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Report No.: 0394/13/ED/0381A

Monthly EM&A Report

August 2019

Client : China International Water & Electric Corporation
Project: Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel
Contract No.: CV/2013/04
Report No.: 0394/13/ED/0381A

Project Proponent:

Civil Engineering & Development Department
101 Princess Margaret Road,
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Prepared by: Wingo So

Reviewed by: Cyrus Lai

Certified by:

A handwritten signature in black ink, appearing to be "Colin Yung", written over a horizontal line.

Colin Yung
Environmental Team Leader for
Fugro Technical Services Limited

Ref.: CEDDWKTBEM00_0_0380L.19

13 September 2019
By Post

Mott MacDonald Hong Kong Ltd.
3/F Mapletree Bay Point,
348 Kwun Tong Road
Kwun Tong, Kowloon

Attention: Mr. C M Howley

Dear Mr. Howley,

**Re: Agreement No. CE 63/2008 (CE)
Dredging Works in Kwai Tsing Container Basin and its Approach Channel
– Investigation, Design and Construction)**

**Contract No. CV/2013/04
Dredging Works in Kwai Tsing Container Basin and its Approach Channel
Verification of Monthly EM&A Report for August 2019**

Reference is made to the Environmental Team's submission of the Monthly Environmental Monitoring & Audit Report for August 2019 (ET's Report No. 0394/13/ED/0381A) received by e-mail on 12 September 2019.

We write to verify the captioned report in accordance with Condition 5.4 of EP-426/2011/A.

Thank you very much for your kind attention and please do not hesitate to contact our Mr. Harris Wong or the undersigned should you have any queries.

Yours faithfully,
For and on behalf of
Ramboll Hong Kong Limited



Y H Hui
Independent Environmental Checker

Cc:	MMHK	Ms. Sunny Zhao	(by post and email)
	Fugro	Mr. Colin Yung	(by email)
	CIWE	Mr. K.O. Leung	(by email)

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EXECUTIVE SUMMARY

- i. This is the Fifty-second Monthly Environmental Monitoring Audit (EM&A) Monthly Report – August 2019 for Contract No. CV/2013/04 – Dredging Works in Kwai Tsing and its Approach Channel (Agreement No. CE63/2008 – Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel). The dredging works commenced on 23 April 2014. This report presents the environmental monitoring and audit works conducted from 23 July 2019 to 22 August 2019.
- ii. Construction Activities for the Reporting Period
During this reporting period, the principal work activities included:
 - Preparation Works of Dredging at Portion A / Zone 2B1, 2B2 and 2C1 in EP
- iii. Water Quality Monitoring
Routine impact water quality monitoring at 9 designated monitoring stations namely C1A, C2A, G2, SR2, SR3, SR4, SR5, SR12, SR13 were conducted during the reporting period. Exceedances of NH3-N (in-situ & lab), UIA (in-situ & lab) and TIN (in-situ & lab) were recorded at various monitoring stations, detail of exceedance are summarized in **Table I and II**. However, investigation indicated these exceedances were not related to the Project works.

Table I Summary of Water Quality Exceedances – Routine Impact Monitoring (In-situ)

Station	Exceedance Level	DO (S&M)		DO (B)		Turbidity		NH3-N		UIA		TIN		Total	
		E	F	E	F	E	F	E	F	E	F	E	F	E	F
SR2	Action	0	0	0	0	0	0	2	2	0	0	-	-	2	2
	Limit	0	0	0	0	0	0	2	2	2	2	-	-	4	4
SR3	Action	0	0	0	0	0	0	3	3	0	0	-	-	3	3
	Limit	0	0	0	0	0	0	2	2	6	4	-	-	8	6
SR4	Action	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	4	4	-	-	4	4
SR5	Action	0	0	0	0	0	0	-	-	-	-	0	0	0	0
	Limit	0	0	0	0	0	0	-	-	-	-	12	12	12	12
SR12	Action	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	6	6	-	-	6	6
SR13	Action	0	0	0	0	0	0	-	-	-	-	-	-	0	0
	Limit	0	0	0	0	0	0	-	-	-	-	-	-	0	0
Total	Action	0	0	0	0	0	0	5	5	0	0	0	0	10	
	Limit	0	0	0	0	0	0	4	4	18	16	12	12	66	

Table II Summary of Water Quality Exceedances – Routine Impact Monitoring (Laboratory Analysis)

Station	Exceedance Level	Suspended Solids		BOD ₅		<i>E. coli</i>		NH ₃ -N		UIA		Synthetic Detergent		TIN		Total	
		E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F
SR2	Action	0	0	-	-	-	-	2	2	0	0	-	-	-	-	2	2
	Limit	0	0	-	-	-	-	2	2	2	2	-	-	-	-	4	4
SR3	Action	0	0	-	-	-	-	3	3	0	0	-	-	-	-	3	3
	Limit	0	0	-	-	-	-	2	2	6	4	-	-	-	-	8	6
SR4	Action	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	4	4	0	0	-	-	4	4
SR5	Action	0	0	-	-	-	-	-	-	-	-	-	-	0	0	0	0
	Limit	0	0	-	-	-	-	-	-	-	-	-	-	12	12	12	12
SR12	Action	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	6	6	0	0	-	-	6	6
SR13	Action	0	0	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	Limit	0	0	-	-	-	-	-	-	-	-	-	-	-	-	0	0
Total	Action	0	0	0	0	0	0	5	5	0	0	0	0	0	0	10	
	Limit	0	0	0	0	0	0	4	4	18	16	0	0	12	12	66	

iv. Among the 9 monitoring stations, supplementary 24-hr water quality monitoring was also conducted at 4 of the stations, which are SR4, SR5, SR12 and SR13. No exceedance was recorded in the reporting month. Number of exceedances recorded in the reporting month at each impact station is summarized in **Table III**.

Table III Summary of the Exceedances Recorded in Reporting Month – 24-hr Monitoring

Station	Exceedance Level	Turbidity	DO	NH ₃ -N	Total
SR4	Action	0	0	0	0
	Limit	0	0	0	0
SR5	Action	0	0	-	0
	Limit	0	0	-	0
SR12	Action	0	0	0	0
	Limit	0	0	0	0
SR13	Action	0	0	-	0
	Limit	0	0	-	0
Total	Action	0	0	0	0
	Limit	0	0	0	0

v. Waste Management

There was no inert or non-inert C&D material related to dredging works. No general refuse were disposed off site in the reporting month.

vi. Non-Compliance, Complaints, Notifications of Summons and Successful Prosecutions
No complaint, notification of prosecutions or summons was received in the reporting period.

vii. Site Inspections and Audit

The Environmental Team conducted 5 site inspections in the reporting period. No particular observation was recorded in the reporting month..

According to Contractor, no archaeological deposit was found during reporting period.

viii. Compliance with Specific EP conditions

Implementation of contractor's mitigation for the associated marine construction works was checked. It was concluded that the marine works are conducted orderly in compliance with the EP requirements on site mitigation measures in general.

ix. Construction Activities for the Coming Reporting Period

During the coming reporting period, the principal work activities included:

- Preparation Works of Dredging at Portion A / Zone 2B1, 2B2 and 2C1 in EP
- Dredging at Portion A/ Zone 2B1, 2B2 and 2C1 in EP

Future Key Issues include:

- Regular inspection on silt curtain deployment
- Regular inspection on silt screen deployment
- Implementation of EM&A Programme
- Maintain dredging below allowable dredging rate in EP.
- Cleaning of excess material from the decks and exposed fittings of barges and dredgers before the vessel is moved.
- Barge loading shall be monitored to ensure material is not lost during transportation.
- Conditions in dumping permit shall be followed strictly.

According to information provided by the Contractor, the upcoming dredging works will only be carried out at sub-zone Z2B1, Z2B2 and Z2C1 will be approximately 5200 m³ (in-situ volume) in total, which is far below than the dredging scale which was mentioned in the EP. Refer to Section 2.1.4 of the EM&A Manual, routine water quality monitoring stations at SR2 (Casam, Gazetted Beach) and SR3 (Approach, Gazetted Beach) were proposed to be removed as according to the *Proposal of Scale down for the Water Quality Monitoring Stations during High Spots Removal at Sub-zone Z2B1, Z2B2 and Z2C1* (Ref.: 0394/13/ED/0370G). The proposal was justified by ET and verified by IEC, also no objection was received from other parties. The proposal was approved by EPD as per EPD's memo (Ref. (6) in Ax(1) to EP2/N3/C/57 Pt.10) dated 20 August 2019. The removal of the water quality monitoring at SR2 and SR3 will be effective from 23 August 2019. The proposal is given in **Appendix M**.

1. INTRODUCTION

1.1 Background

- 1.1.1 The Project objective is to dredge approximately 4.0 million cubic metres of sediment from the seabed of Kwai Tsing Container Basin, as well as portions of Northern Fairway and Western Fairway, to provide sufficient depth of container basin and approach channel to Kwai Tsing Container Terminal (KTCT) for the safe navigation of Ultra Large Container Ships (ULCS).
- 1.1.2 The environmental monitoring and audit works of this Project is governed by Environmental Permit (EP) No. EP-426/2011/A, EM&A Manual (AEIAR-156/2010) and EM&A TIN (EPD Letter Ref: (34) in Ax(1) to EP2/N3/C/57Pt.7)).
- 1.1.3 The project proponent was the Civil Engineering & Development Department, HKSAR (CEDD). The Project General Layout is shown in **Figure 1**.
- 1.1.4 Mott MacDonald Hong Kong Ltd. (MMHK) was commissioned by CEDD as the Engineer for the Project. Ramboll Hong Kong Limited (RHK) was employed as the Independent Environmental Checker (IEC) in the Project.
- 1.1.5 China International Water & Electric Corporation Limited (CIWE) was appointed as the main contractor for the dredging works.
- 1.1.6 Fugro Technical Services Limited (FTS) was appointed as the Environmental Team (ET) to implement the Environmental Monitoring and Audit (EM&A) programme for the Project.
- 1.1.7 The construction phase of the Project under the EP was commenced on 23 April 2014. The impact EM&A programme of the Project commenced on 23 April 2014.

1.2 Purpose of the Report

- 1.2.1 This Fifty-second Monthly EM&A Report is prepared by FTS. This report presents a summary of the environmental monitoring and audit works, list of activities and mitigation measures proposed by the ET for the Project in 23 July 2019 to 22 August 2019.

1.3 Structure of the Report

- 1.3.1 The structure of this report is as follows:

- Section 1: Introduction, including background, purpose and structure of the report
- Section 2: Basic Project Information – summaries background and scope of the Contract, site description, project organization and contract details, construction programme, the construction works undertaken and the status of Environmental Permits/Licenses during the reporting period.
- Section 3: Routine Impact Water Quality Monitoring – summaries the monitoring parameters, monitoring programmes, monitoring methodologies, monitoring frequency,

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- monitoring locations, Action and Limit Levels, monitoring results and Event / Action Plans.
- Section 4: 24-hr Water Quality Monitoring – summaries the monitoring parameters, monitoring programmes, monitoring methodologies, monitoring frequency, monitoring locations, Action and Limit Levels, monitoring results and Event / Action Plans.
- Section 5: Environmental Site Inspection – summaries the audit findings of the weekly site inspections undertaken within the reporting period.
- Section 6: Exceedance of the environmental parameters – summaries any monitoring exceedance within the reporting period.
- Section 7: Non-Compliance, Complaints, notifications of summons and Prosecution – summaries any environmental complaints, environmental summons and successful prosecutions within the reporting period.
- Section 8: Conclusions and Recommendation



2. BASIC PROJECT INFORMATION

2.1 Project Organizations

2.1.1 The Project Organization structure is shown in **Appendix A**. The key personnel contact names and numbers are summarized in **Table 2.1**.

Table 2.1 Key Personnel Contact of the Contract

Party	Position	Name	Telephone	Fax
Engineer's Representative (MMHK)	Resident Engineer	Mr. Jason Chan	2585 8595	2827 1823
	Project Engineer	Ms. Sunny Zhao	2828 5908	2827 1823
Independent Environmental Checker (RHK)	Independent Environmental Checker	Mr. YH Hui	3465 2888	3465 2899
Contractor (CIW&E)	Site Agent	Mr. KO Leung	2508 0983	2508 0987
Environmental Team (FTS)	Environmental Team Leader	Mr. Colin Yung	3565 4114	3565 4160

2.2 Construction Programme

2.2.1 The construction phase of the Project under the EP commenced on 23 April 2014.

2.2.2 The construction programme of the Project is shown in **Appendix B**.

2.2.3 The environmental mitigation measures implementation schedule is presented in **Appendix J**.

2.3 Works undertaken during the month

During this reporting period, the principal work activities included:

- Preparation Works of Dredging at Portion A / Zone 2B1, 2B2 and 2C1 in EP

2.4 Status of Environmental Licences, Notification and Permits

2.4.1 A summary of the relevant permits, licences and/or notifications on environmental protection for this Contract is presented in **Table 2.2**.

Table 2.2 Status of Environmental Licenses, Notification and Permits

Permit / Direction / License	Ref No	Valid From	Valid Till
Notification pursuant to Air Pollution (Control Dust) Regulation	Not Required		
Construction Noise Permit Portion A 0000-2400 hours on general holidays (including Sundays); 0000-0700 and 1900-2400 hours on any day not being a public holiday (including Sunday) but note Condition 3.d.1 below for the hours within which the use of the above listed mechanical powered equipment is allowed.	GW-RW0126-19	12/4/2019	11/10/2019
Waste Producer License	5213-320-C3907-01	27/10/2014	Upon Completion

Note: No dredging work was carried out and no marine sediment was disposed in the reporting month

2.5 Summary of EM&A Programme Requirements

2.5.1 The EM&A programme requires environmental monitoring for water quality and environmental site inspections for air quality, noise, water quality, waste management, landscape and visual impact. The EM&A requirements for each parameter described in the following sections include:

- All monitoring parameters;
- Monitoring schedules for the reporting month and forthcoming month;
- Action and Limit levels for all environmental parameters;
- Event / Action Plan;
- Environmental mitigation measures, as recommended in the Project EIA reports; and
- Environmental requirement in contract documents.

2.6 Construction Activities for the Coming Reporting Period

During the coming reporting period, the principal work activities included:

- Preparation Works of Dredging at Portion A / Zone 2B1, 2B2 and 2C1 in EP
- Dredging at Portion A/ Zone 2B1, 2B2 and 2C1 in EP

Future Key Issues include:

- Regular inspection on silt curtain deployment
- Regular inspection on silt screen deployment
- Implementation of EM&A Programme
- Maintain dredging below allowable dredging rate in EP.
- Cleaning of excess material from the decks and exposed fittings of barges and dredgers before the vessel is moved.



- Barge loading shall be monitored to ensure material is not lost during transportation.
- Conditions in dumping permit shall be followed strictly.

According to information provided by the Contractor, the upcoming dredging works will only be carried out at sub-zone Z2B1, Z2B2 and Z2C1 will be approximately 5200 m³ (in-situ volume) in total, which is far below than the dredging scale which was mentioned in the EP. Refer to Section 2.1.4 of the EM&A Manual, routine water quality monitoring stations at SR2 (Casam, Gazetted Beach) and SR3 (Approach, Gazetted Beach) were proposed to be removed as according to the *Proposal of Scale down for the Water Quality Monitoring Stations during High Spots Removal at Sub-zone Z2B1, Z2B2 and Z2C1* (Ref.: 0394/13/ED/0370G). The proposal was justified by ET and verified by IEC, also no objection was received from other parties. The proposal was approved by EPD as per EPD's memo (Ref. (6) in Ax(1) to EP2/N3/C/57 Pt.10) dated 20 August 2019. The removal of the water quality monitoring at SR2 and SR3 will be effective from 23 August 2019. The proposal is given in **Appendix M**.

3. ROUTINE IMPACT WATER QUALITY MONITORING

3.1 Monitoring Methodology

3.1.1 In-situ measurements and water samples were taken at 3 depths of the water column for each monitoring location, i.e. 1m below the surface, mid-depth, and 1m above the seabed, except where the water depth was less than 6m in which case the mid-depth was omitted and for locations where the water depth was less than 3m only the mid-depth level was monitored.

In-Situ Measurement

3.1.2 Prior to each monitoring day, wet bulb calibration was performed for the DO probes. Zero check in distilled water and calibration with a solution of known NTU were carried out for the turbidity probes. Three-point calibration of pH probes was completed each monitoring day.

3.1.3 At each sampling depth, two consecutive measurements were taken for turbidity, pH, DO, temperature, salinity, and ammonia. Separate deployment of the monitoring instruments was conducted for the consecutive measurements. When the difference between the two measurements for DO or turbidity was higher than 25% of the value of the first reading, the reading would be discarded and further readings would be taken. Three replicates of TIN measurement were performed for each depth at each monitoring location.

Laboratory Analysis

3.1.4 Duplicate water samples were collected at each sampling depth for laboratory measurement of SS, BOD₅ & synthetic detergent, ammonia, and *E.coli* at the required monitoring stations shown in **Table 3.4**. Three replicates were taken for TIN measurements at the specified locations. Samples were stored in high density polythene bottles, packed in ice (cooled to 4°C without being frozen), and delivered to the laboratory on the same day of collection for analysis.

3.1.5 Fugro Technical Services Limited (HOKLAS Reg. No. 015), was appointed to be the laboratory for analysis of water samples in the impact monitoring project. The methods adopted by the laboratories and the reporting limits are detailed in **Table 3.1**.

Table 3.1 Laboratory Measurement/Analysis Methods and Reporting Limits

Analysis Description	Method	Reporting limits
Suspended Solid	APHA 2540D	1 mg/L
Ammonia	APHA 4500NH3:B&C	0.01 mg/L
Nitrite	APHA 4500NO2:B&H	0.01 mg/L
Nitrate	APHA 4500NO3:I	0.01 mg/L
Total Inorganic Nitrogen	By Calculation	0.02 mg/L
5-day Biochemical Oxygen Demand	APHA 5210B	1 mg/L
Synthetic Detergent	As Methylene Blue Active Substance	0.2 mg/L



Analysis Description	Method	Reporting limits
<i>E. coli</i>	DoE Section 7.8 & 7.9 plus in situ urease test	1 cfu/100mL

3.2 Monitoring Equipment

3.2.1 Equipment used for in-situ measurement and water sampling during impact water quality monitoring is summarised in **Table 3.2**. The equipment is in compliance with the requirements set out in the EM&A Manual. All in-situ monitoring instruments were calibrated by a HOKLAS-accredited laboratory or by standard solutions. Calibration of temperature, DO, salinity, pH and turbidity is conducted in three month interval, while QA/QC for in-situ ammonia measurement is carried out at 1-month interval. Calibration certificates for the water quality monitoring equipment are attached in **Appendix D**.

Table 3.2 Water Quality Monitoring and Sampling Equipment

Parameter	Equipment	Model	Range	Equipment Accuracy
Nitrate	Photometer	<ul style="list-style-type: none"> HACH DR900, and Nitrate Reagent Set (Cadmium Reduction Method) 	NO ₃ : 0.01 to 0.50 mg/L	±0.5%
Ammonia, Nitrite	Photometer	<ul style="list-style-type: none"> Lovibond MD600 Maxi Direct, and Ammonia Reagent Set (Indophenol blue / Salicylate); Nitrite Reagent Set (N-(1-Naphthyl)-ethylendiamine) 	NH ₃ -N: 0.02 to 1mg/L; 1 to 50mg/L NO ₂ : 0.01 to 0.5mg/L	±2%
Temperature, Dissolved Oxygen, salinity, pH, Turbidity	Water Quality Monitoring Device	YSI 6920V2-2-M Sonde	Temp: -5 to 50°C DO: 0-50mg/L DO%: 0-500% Sal: 0 to 70 ppt pH: 0 to 14 pH units Turb: 0-1000NTU	Temp: ±0.15°C DO: ±0.1mg/L or 1% (whichever greater) for 0-20mg/L; ±15% for 20-50mg/L Sal: ±1% or 0.1ppt (whichever greater) pH: ±0.2 units Turb: ±2% or 0.3NTU (whichever greater)
		Xylem EXO 3 Sonde	Temp: -5 to 50°C DO: 0-50mg/L DO%: 0-500% Sal: 0 to 175 ppt (By conversion of conductivity) pH: 0 to 14 pH units Turb: 0-4000NTU (FNU)	Temp: ±0.01°C (for -5-35°C) DO: ±0.1mg/L or 1% (whichever greater) for 0-20mg/L; ±15% for 20-50mg/L Sal: ±0.5% or 0.012ppt (for 0-72.7 ppt) (By conversion of conductivity) (whichever greater) pH: ±0.2 units Turb: ±2% or 0.3NTU (FNU) (whichever greater)

Parameter	Equipment	Model	Range	Equipment Accuracy
Water Sampling	Water Sampler	Aquatic Research Transparent PC Horizontal Water Sampler 2.2L / 3L / 5L	NA	NA
Positioning	Global Positioning System (GPS)	Garmin eTrex	NA	±3m
		Garmin GPS72	NA	±3m
Water Depth	Echo Sounder	Garmin ECHO 100	0.6 to 91 m	0.1 m

3.3 Monitoring Parameters

3.3.1 The monitoring parameters and frequency for both in-situ measurement and laboratory analysis are summarised in **Table 3.3**. Parameters for each monitoring station are specified in **Table 3.4**.

Table 3.3 Monitoring Parameters and Frequency

Parameters	Monitoring Frequency
<u>In-situ Measurement</u> Turbidity (in NTU), pH, Dissolved Oxygen (in mg/L and %), Temperature (in °C), Salinity (in ppt), ¹ Ammonia-N (in mg/L-N and UIA); ² TIN: Ammonia-N (in mg/L), Nitrite (in mg/L), Nitrate (in mg/L)	3 days per week, at mid-flood and mid-ebb tides (except ³ detergent which shall be taken one day per month, at mid-flood and mid-ebb)
<u>Laboratory Analysis</u> ¹ Ammonia-N (in mg/L-N and UIA), Suspended Solids (SS), ³ BOD ₅ , ³ <i>E.coli</i> , ³ Synthetic Detergent; ² TIN: Ammonia-N (in mg/L), Nitrite (in mg/L), Nitrate (in mg/L)	36 hours interval was allowed between subsequent sets of measurement.

Notes:

- Ammonia measurements and samples were taken at SR2, SR3, SR4, SR12, C1A, C2A only;
UIA: In-situ unionized ammonia was calculated from in-situ measurement of NH₃-N, temperature, pH and salinity; Laboratory determined unionized ammonia was calculated from analysed NH₃-N from water samples and in-situ measurement of temperature, pH and salinity;
- Total Inorganic Nitrogen (TIN) measurements and samples were taken at SR5, G2, C1A and C2A only;
- BOD₅, *E.coli* and Synthetic Detergent samples were taken at SR4, SR12, C1A, C2A only.

Table 3.4 Water Quality Monitoring Parameters

ID	In-situ Measurement							Laboratory Analysis					
	pH	Temperature	Salinity	Turbidity	Dissolved Oxygen / Dissolved Oxygen%	NH ₃ -N / UIA	TIN (NH ₃ -N, NO ₂ & NO ₃)	Suspended Solids	BOD ₅	E. coli	NH ₃ -N / UIA	Synthetic Detergent	TIN (NH ₃ -N, NO ₂ & NO ₃)
SR2	○	○	○	○	○	○		○			○		
SR3	○	○	○	○	○	○		○			○		
SR4	○	○	○	○	○	○		○	○	○	○	○	
SR5	○	○	○	○	○		○	○					○
SR12	○	○	○	○	○	○		○	○	○	○	○	
SR13	○	○	○	○	○			○					
G2	○	○	○	○	○		○	○					○
C1A	○	○	○	○	○	○	○	○	○	○	○	○	○
C2A	○	○	○	○	○	○	○	○	○	○	○	○	○

Note:

1. UIA: In-situ unionized ammonia was calculated from in-situ measurement of NH₃-N, temperature, pH and salinity; laboratory determined unionized ammonia was calculated from analysed NH₃-N from water samples taken and in-situ measurement of temperature, pH and salinity.

3.4 Monitoring Locations

- 3.4.1 Referring to the Proposal for Temporary Suspension of Impact Water Quality Monitoring (0394_13_ED_0326F) which was submitted to EPD in August 2016 with no objection was received from EPD; removal of routine water quality monitoring stations at SR1 was effective on 24 December 2016.
- 3.4.2 Referring to the *Proposal on Removal of Some Water Quality Monitoring Stations After Resumption of Marine Construction Works (Dredging Works and Marine Works of the Northern Part of Kwai Tsing Container Basin Only)* (0394_13_ED_0332I) which has been submitted to EPD and relevant parties in December 2016 with no objection, removal of routine water quality monitoring stations at SR6, SR7, SR8, SR9, SR10 and SR11 was effective from 23 January 2017. Due to removal of some sensitive receivers in routine water quality monitoring, gradient stations G3, G5 and G6 were also be removed and gradient stations G1 and G4 replaced the previous control stations C1, C2 and C3 as C1A and C2A with reference to the approved proposal (0394_13_ED_0332I) which was effective from 23 January 2017.
- 3.4.3 Impact water quality monitoring was conducted at 9 locations, including 6 sensitive receivers (SR2, SR3, SR4, SR5, SR12, SR13), 1 gradient station (G2) and 2 control stations (C1A, C2A), whose detailed information is summarised in **Table 3.5**. The locations of the stations are also shown in **Figure 2**.

Table 3.5 Locations of Water Quality Monitoring Stations

Water Monitoring Station		Easting	Northing
SR2	Casam, Gazetted Beach	825723.225	825334.784
SR3	Approach, Gazetted Beach	826960.152	825260.726
SR4	Tsuen Wan, WSD Flushing Water Intake	829270.482	825382.994
SR5	Ma Wan, Fish Culture Zone	823758.839	823575.934
SR12	Tsing Yi, WSD Flushing Water Intake	829599.152	823262.269
SR13	EMSD Cooling Water Intake for Kwai Chung Hospital	831397.450	822002.433
G2	Gradient Station	825979.792	824683.158
C1A	Control Station	820626.195	822834.323
C2A	Control Station	830423.070	819431.722

3.5 Monitoring date, time frequency and duration

3.5.1 In the reporting period, impact water quality monitoring was carried out 3 days per week, at mid-flood and mid-ebb tides, from 23 July 2019 to 22 August 2019. Detailed impact monitoring schedule for the reporting month and the coming month is included in **Appendix E**.

3.6 Weather conditions

3.6.1 The weather condition during the impact monitoring is provided in **Appendix L**.

3.7 Results and Observations

3.7.1 Impact water quality monitoring was conducted at all designated monitoring stations in the reporting month. Impact water quality monitoring results and graphical presentations are provided in **Appendix F**.

3.7.2 Due to adverse weather condition and the issuance of Strong Wind Signal No. 3 on 1st August 2019, the impact monitoring for mid-flood and mid-ebb tide on 1st August 2019 was cancelled.

3.7.3 During the monitoring period, some adverse weather conditions, including Rainstorm Warning Signals, Thunderstorm Warning and Tropical Cyclone Warning Signals were reported. Heavy marine traffic (not associated with the Project) was commonly observed nearby the Project site and its vicinity, that the propeller wash from vessels could lead to potential disturbance of seabed sediment and affect the water quality. The above conditions may affect monitoring results. Summary of weather condition is provided in **Appendix L**.

3.7.4 Number of exceedances recorded in the reporting month at each impact station is summarized in **Table 3.6** and **3.7**.



Table 3.6 Summary of Water Quality Exceedance (In-situ Measurement)

Station	Exceedance Level	DO (S&M)		DO (B)		Turbidity		NH3-N		UIA		TIN		Total	
		E	F	E	F	E	F	E	F	E	F	E	F	E	F
SR2	Action	0	0	0	0	0	0	2	2	0	0	-	-	2	2
	Limit	0	0	0	0	0	0	2	2	2	2	-	-	4	4
SR3	Action	0	0	0	0	0	0	3	3	0	0	-	-	3	3
	Limit	0	0	0	0	0	0	2	2	6	4	-	-	8	6
SR4	Action	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	4	4	-	-	4	4
SR5	Action	0	0	0	0	0	0	-	-	-	-	0	0	0	0
	Limit	0	0	0	0	0	0	-	-	-	-	12	12	12	12
SR12	Action	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	6	6	-	-	6	6
SR13	Action	0	0	0	0	0	0	-	-	-	-	-	-	0	0
	Limit	0	0	0	0	0	0	-	-	-	-	-	-	0	0
Total	Action	0	0	0	0	0	0	5	5	0	0	0	0	10	10
	Limit	0	0	0	0	0	0	4	4	18	16	12	12	66	66

Table 3.7 Summary of Water Quality Exceedance (Laboratory Analysis)

Station	Exceedance Level	Suspended Solids		BOD ₅		<i>E. coli</i>		NH ₃ -N		UIA		Synthetic Detergent		TIN		Total	
		E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F
SR2	Action	0	0	-	-	-	-	2	2	0	0	-	-	-	-	2	2
	Limit	0	0	-	-	-	-	2	2	2	2	-	-	-	-	4	4
SR3	Action	0	0	-	-	-	-	3	3	0	0	-	-	-	-	3	3
	Limit	0	0	-	-	-	-	2	2	6	4	-	-	-	-	8	6
SR4	Action	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	4	4	0	0	-	-	4	4
SR5	Action	0	0	-	-	-	-	-	-	-	-	-	-	0	0	0	0
	Limit	0	0	-	-	-	-	-	-	-	-	-	-	12	12	12	12
SR12	Action	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	6	6	0	0	-	-	6	6
SR13	Action	0	0	-	-	-	-	-	-	-	-	-	-	-	-	0	0
	Limit	0	0	-	-	-	-	-	-	-	-	-	-	-	-	0	0
Total	Action	0	0	0	0	0	0	5	5	0	0	0	0	0	0	10	10
	Limit	0	0	0	0	0	0	4	4	18	16	0	0	12	12	66	66

3.7.5 During the reporting period, 10 AL and 8 LL exceedances for NH₃-N (in-situ), 34 LL exceedances for UIA (in-situ), 24 LL exceedances for TIN (in-situ), 10 AL and 8 LL exceedances for NH₃-N (lab), 34 LL exceedances for UIA (lab) and 24 LL exceedances for TIN (lab) were recorded.

3.7.6 A number of exceedances were recorded in the reporting month, however, based on the finding from the investigation on the recorded cases of exceedances, the cause was found not related to the project. The exceedances may be caused by influences in the vicinity of the station or changes of the ambient conditions.

3.7.7 The details of Notification of Exceedance can be referred to **Appendix I**.

3.8 Action and Limit Levels

3.8.1 Referring to the ER Letter ref. (CV/2013/04)/M45/400/1247 dated 19 March 2015, a Revised Baseline Water Quality Monitoring Test Methodology – Review of Action and Limit Levels has been submitted to EPD by ER in March 2015. The Action and Limit Level for the wet season (April – October) was effected and applied to the water quality monitoring data from 1 April 2015. The Action and Limit Level is given in **Appendix C**.

3.9 Event and Action Plan

3.9.1 The Event and Action Plan is given in **Appendix H**.

4. 24-HR WATER QUALITY MONITORING

4.1 Monitoring Methodology

4.1.1 The monitoring probes are set up around the fish rack at the Fish Culture Zone and seawater intake point. Small buoys are placed on the sea surface to indicate the locations of the monitoring probes. Data loggers and wireless modems are placed on a framework or covered places, such as storage house on the fish rack.

4.1.2 The 24 hours water quality monitoring is performed at a depth of 1 to 2m below the water surface. The dissolved oxygen, temperature and turbidity data are logged at 5 minutes interval by the multi-probe, while ammonia data are logged at 20 minutes interval and data are transmitted via the wireless transmission system to the designated computers with the installation of automatic checking programme to detect exceedances at the offices of ET. In case where an action/limit level exceedance is evidenced (a continuous exceedance for any 30 minutes i.e. 6 consecutive monitoring data exceedances for DO, temperature and turbidity; and 3 consecutive exceedances of ammonia data), an email notification will be sent automatically to ET, Contractor, ER, EPD, AFCD and WSD to alert the event for further investigation.

4.2 Monitoring Equipment

4.2.1 The following equipment and facilities will be used for the monitoring of water quality impacts:

Dissolved Oxygen, Turbidity and Temperature Measuring Equipment

A multi probe meter measuring dissolved oxygen, temperature and turbidity is set up at the 24 hours monitoring stations

- A DO level in the range of 0-20 mg/L and 0-200% saturation;
- A temperature of between 0 and 45 degree Celsius;
- A turbidity of between 0-1000NTU

The DO equipment is equipped with built-in salinity compensation.

Ammonia Measuring Equipment

The ammonia measuring equipment is used to monitor seawater ammonia level at WSD flushing water intake on a 24 hours a days 7 days a week during works basis.

Data Acquisition System

The data acquisition system is used to log water quality data at 5 minutes interval by the multi-probe and at 20 min interval by the ammonia sensor. Data will be transmitted via the wireless transmission system to the designated computers at ET office.

Table 4.1 lists out the detail of monitoring equipment.

Table 4.1 24 Hours Water Quality Monitoring Equipment

Parameter	Equipment	Model	Range	Equipment Accuracy
Temperature, Dissolved Oxygen, Turbidity	Water Quality Monitoring Device	•YSI 6920V2-2-M Sonde	Temp: -5 to 50°C DO: 0-50mg/L DO%: 0-500% Turb: 0-1000NTU	<ul style="list-style-type: none"> ▪Temp: ±0.15°C ▪DO: ±0.1mg/L or 1% (whichever greater) for 0-20mg/L; ±15% for 20-50mg/L ▪Turb: ±2% or 0.3NTU (whichever greater)
		•Xylem EXO 3 Sonde	Temp: -5 to 50°C DO: 0-50mg/L DO%: 0-500% Turb: 0-4000NTU (FNU)	<ul style="list-style-type: none"> Temp: ±0.01°C (for -5-35°C) DO: ±0.1mg/L or 1% (whichever greater) for 0-20mg/L; ±15% for 20-50mg/L ▪Turb: ±2% or 0.3NTU (FNU) (whichever greater)
Data Acquisition System	Data Logger	Campbell CR200	NA	NA
	Data Logger	Campbell CR800	NA	NA
	Data Transmitter	NXN GT-511	NA	NA
Ammonia	Photometric Analyzer	Systea S.p.A. Micromac 1000 Ammonia Reagent Set: OPA	N-NH ₃ : 0-2mg/L	N-NH ₃ : <0.01mg/L

4.2.2 Equipment Calibration

In-situ monitoring instruments are checked, calibrated and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme before use, and subsequently re-calibrated at 3 months intervals throughout the water quality monitoring programme.

The monitoring equipment, monitoring probes are cleaned and checked twice a week.

Equipment calibration records are in **Appendix D**.

4.3 Monitoring Parameters

4.3.1 Dissolved oxygen, temperature and turbidity are recorded every 5 minutes, 24 hours a day 7 days a week during dredging works.

4.3.2 In-situ NH₃-N at WSD Flushing Water Intake are measured every 20 minutes, 24 hours a day 7 days a week during works.

4.3.3 The water quality parameters measured at particular locations are shown in **Table 4.2**.

Table 4.2 24-hr Water Quality Monitoring Parameters

ID	Description	Parameters				
		Temperature	Turbidity	DO (mg/L)	DO%	NH ₃ -N
SR4	Tsuen Wan, WSD Flushing Water Intake	○	○	○	○	○
SR5	Ma Wan, Fish Culture Zone	○	○	○	○	
SR12	Tsing Yi, WSD Flushing Water Intake	○	○	○	○	○
SR13	EMSD Cooling Water Intake for Kwai Chung Hospital	○	○	○	○	

4.4 Monitoring Locations

Referring to the *Proposal on Removal of Some Water Quality Monitoring Stations After Resumption of Marine Construction Works (Dredging Works and Marine Works of the Northern Part of Kwai Tsing Container Basin Only)* (0394_13_ED_0332I) which has been submitted to EPD and relevant parties in December 2016 with no objection, removal of 24 hour monitoring stations at SR9, SR10 and SR11 was effective from 23 January 2017. The setups of 24 hour monitoring stations at SR9, SR10 and SR11 were removed on 7 February 2017. The 24 hours water quality monitoring works are performed at the following locations (**Table 4.3**).

Table 4.3 Location of Water Quality Monitoring Station

Water Monitoring Station		Easting	Northing
SR4	Tsuen Wan, WSD Flushing Water Intake	829270.482	825382.994
SR5	Ma Wan, Fish Culture Zone	823758.839	823575.934
SR12	Tsing Yi, WSD Flushing Water Intake	829599.152	823262.269
SR13	EMSD Cooling Water Intake for Kwai Chung Hospital	831397.450	822002.433

Revisions on monitoring locations were proposed in previous submission (Report No. Ref: 0394/13/ED/0103 – WATER QUALITY MONITORING LOCATION) and were agreed among AFCD, EMSD, WSD and EPD.

4.5 Results and Observations

4.5.1 24-hr water quality monitoring was conducted at all designated monitoring stations in the reporting month. Results are provided in **Appendix G**.

4.5.2 During the monitoring period, some adverse weather conditions, including Rainstorm Warning Signal, Thunderstorm Warning and Tropical Cyclone Warning Signals were reported.. Heavy marine traffic (not associated with the Project) was commonly observed nearby the Project site and its vicinity, that the propeller wash from vessels could lead to potential disturbance of



seabed sediment and affect the water quality. The above conditions may affect monitoring results. Furthermore, the fish culturing or other activities occurring on the fish rack may cause adverse impact on the receiving water. Summary of weather conditions is provided in **Appendix L**.

4.5.3 Number of exceedances recorded in the reporting month at each impact station is summarized in **Table 4.4**.

Table 4.4 Summary of Water Quality Exceedance (24-hr Monitoring)

Station	Exceedance Level	Turbidity	DO	NH ₃ -N	Total
SR4	Action	0	0	0	0
	Limit	0	0	0	0
SR5	Action	0	0	-	0
	Limit	0	0	-	0
SR12	Action	0	0	0	0
	Limit	0	0	0	0
SR13	Action	0	0	-	0
	Limit	0	0	-	0
Total	Action	0	0	0	0
	Limit	0	0	0	0

4.6 No exceedance was recorded in the reporting month.

4.7 Action and Limit Levels

4.7.1 Referring to the ER Letter ref. (CV/2013/04)/M45/400/1247 dated 19 March 2015, a Revised Baseline Water Quality Monitoring Test Methodology – Review of Action and Limit Levels has been submitted to EPD by ER in March 2015. The Action and Limit Level for the wet season (April – October) was effected and applied to the water quality monitoring data from 1 April 2015. The Action and Limit Level is given in **Appendix C**.

4.8 Event and Action Plan

4.8.1 The Event and Action Plan is given in **Appendix H**.

5. ENVIRONMENTAL SITE INSPECTION AND AUDIT

5.1 Site Inspections

5.1.1 Site inspections were carried out weekly by ET to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. In the reporting month, 5 site inspections were carried out on 25 July 2019, 1, 8, 15 and 22 August 2019.

5.1.2 No particular observation was recorded in the reporting month.

5.1.3 According to Contractor, no archaeological deposit was found during reporting period.

5.2 Advice on the Solid and Liquid Waste Management Status

5.2.1 According to the Contractor, no general refuse were generated and disposed off site in the reporting period. Monthly summary of waste flow table is detailed in **Appendix K**.

5.3 Dredging and Disposal

5.3.1 Implementation of mitigation measures for dredging works and the associated dredging records were checked and the findings are summarized in **Table 5.1**.

Table 5.1 Compliance with EP Conditions in the Reporting Month

EP Condition	Compliance Status and/or Recommendations
3.1 (e) Silt Curtain Deployment	Silt curtain deployment complied with Silt Curtain Deployment Plan.
3.1 (f) Silt Screen Deployment Plan	Silt screens deployment at WSD1, WSD8 and EMSD1 complied with Silt Screen Deployment Plan.
3.1 (g) 24-hr environmental monitoring and audit	24-hr enhanced environmental monitoring and audit of water quality parameters implemented.

5.3.2 The daily dredging rates, silt curtain deployment and silt screen deployment within the Project area were checked and confirmed to be complied with EP conditions in general.

5.3.3 There was no inert or non-inert C&D material related to dredging works. No general refuse were disposed off site in the reporting month. The details can be referred to the **Table 5.2**.



Table 5.2 Waste Quantities of Dredging Works

Month	Marine Sediment Type	Quantity Generated from 23 July 2019 to 22 August 2019 (m ³)	Cumulative to 22 August 2019 (m ³)	Disposal / Dumping Ground
August 2019	Type 1 – Open Sea Disposal	0	1685700	NA
	Type 2 – Confined Marine Disposal	0	654130	NA
	Type 3 – Special Treatment / Disposal	0	1260	NA

Note:

1. All the Type 3 (Cat. Hf) sediment dredging and disposal was completed on 18 May 2016.
2. No dredging work was carried out and no marine sediment was disposed in the reporting month

5.4 Implementation Status of Environmental Mitigation Measures

A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in **Appendix J**. Most of the necessary mitigation measures were implemented properly.

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6. EXCEEDANCE OF THE ENVIRONMENTAL PARAMETERS

- 6.1.1 Twenty (20) Action Level and one hundred and thirty two (132) Limit Level exceedances were recorded in the routine impact monitoring in the reporting month.
- 6.1.2 No exceedance was recorded in the 24-hr monitoring in the reporting month.
- 6.1.3 Notification of exceedance is provided in **Appendix I**.

7. NON-COMPLIANCE, COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION

7.1.1 No complaint, notification of prosecutions or summons was received in the reporting period.

7.1.2 Cumulative complaint log, summaries of complaints, notification of summons and successful prosecutions are presented in Tables 7.1, 7.2 and 7.3.

Table 7.1 Environmental Complaints Log

Complaint Log No.	Date of Receipt	Received From and Received By	Nature of Complaint	Date Investigated	Outcome	Date of Reply
Nil	-	-	-	-	-	-

Table 7.2 Cumulative Statistics on Complaints

Environmental Parameters	Cumulative No. Brought Forward	No. of Complaints This Month	Cumulative Project-to-Date
Air	0	0	0
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	0	0	0

Table 7.3 Cumulative Statistics on Successful Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Prosecutions This Month	Cumulative Project-to-Date
Air	0	0	0
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	0	0	0

8. CONCLUSIONS

- 8.1.1 The dredging works was commenced on 23 April 2014. The EM&A programme was carried out in accordance with the EM&A Manual requirements. . No dredging work was carried out and no marine sediment was disposed in the reporting month.
- 8.1.2 Twenty (20) Action Level and one hundred and thirty two (132) Limit Level exceedances were recorded in the routine impact monitoring in the reporting month.
- 8.1.3 No complaint, notification of prosecutions or summons was received in the reporting period.
- 8.1.4 Based on the finding from the investigation on the recorded cases of exceedances, the cause was found not related to the project.
- 8.1.5 Environmental site inspections were carried out for 5 times in the reporting month.
- 8.1.6 No environmental complaint was received and followed up by Environmental Team in the reporting period.
- 8.1.7 According to information provided by the Contractor, the upcoming dredging works will only be carried out at sub-zone Z2B1, Z2B2 and Z2C1 will be approximately 5200 m³ (in-situ volume) in total, which is far below than the dredging scale which was mentioned in the EP. Refer to Section 2.1.4 of the EM&A Manual, routine water quality monitoring stations at SR2 (Casam, Gazetted Beach) and SR3 (Approach, Gazetted Beach) were proposed to be removed as according to the *Proposal of Scale down for the Water Quality Monitoring Stations during High Spots Removal at Sub-zone Z2B1, Z2B2 and Z2C1* (Ref.: 0394/13/ED/0370G). The proposal was justified by ET and verified by IEC, also no objection was received from other parties. The proposal was approved by EPD as per EPD's memo (Ref. (6) in Ax(1) to EP2/N3/C/57 Pt.10) dated 20 August 2019. The removal of the water quality monitoring at SR2 and SR3 will be effective from 23 August 2019.

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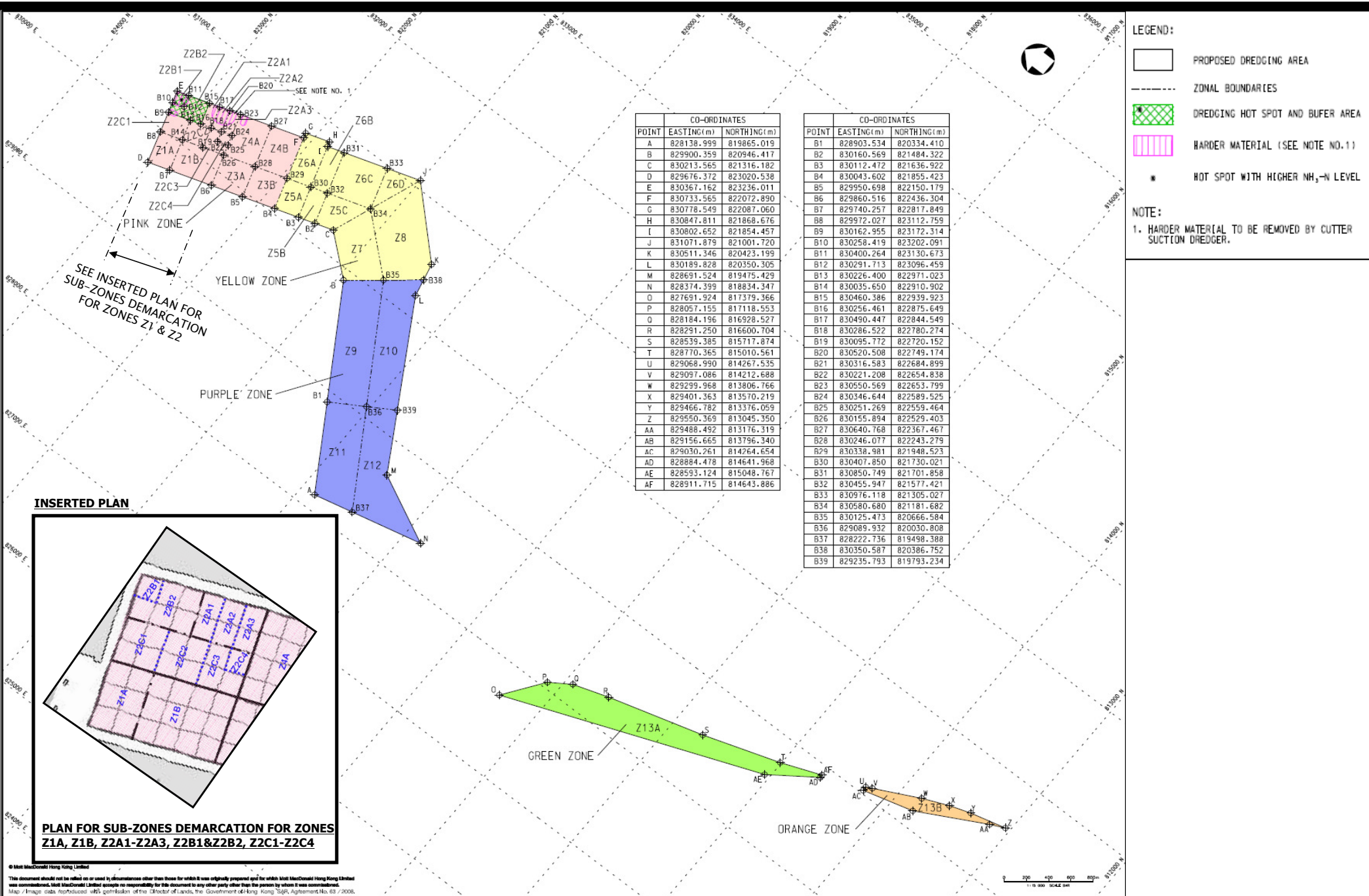
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Figure 1

Project General Layout



Project Title: Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel

Figure 2: Zones and Sub-zone of Dredging Plan Layout (Extracted from Figure 2 of Justification for the Proposed Demarcation of the Dredging Zones)

Environmental Permit No.:

EP-426/2011/A



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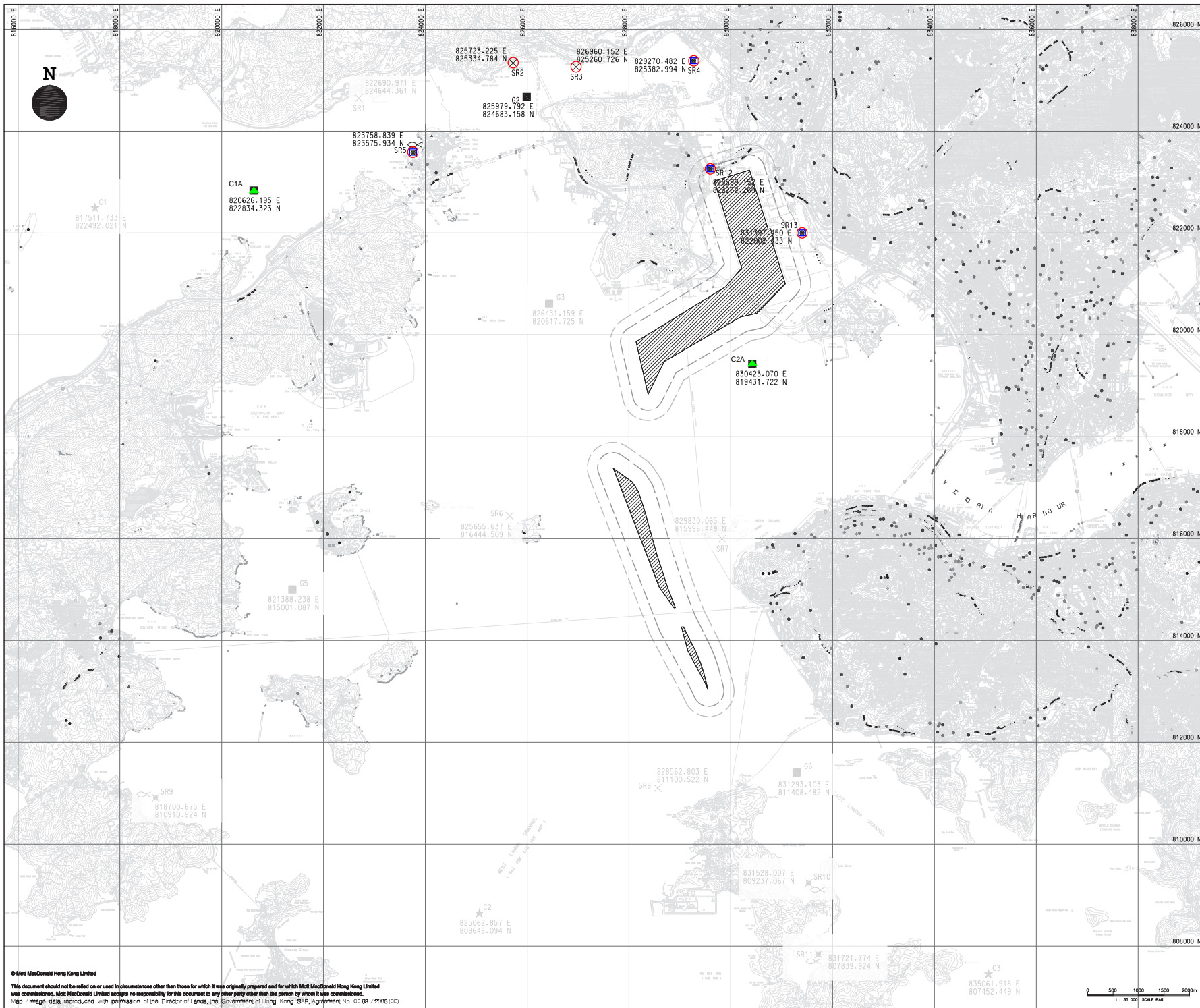
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Figure 2

Locations of Water Quality Monitoring Stations



NOTES:
 1. ALL COORDINATES ARE IN HONG KONG METRIC GRID (1980).
 2. THE CONTRACTOR SHALL REFER TO RELEVANT SECTION(S) AND APPENDICES OF THE PARTICULAR SPECIFICATION REGARDING THE WATER QUALITY MONITORING.

- LEGEND:
-  SITE BOUNDARY
 -  MONITORING STATION
 -  24 HOUR STATION
 -  CONTROL STATION
 -  GRADIENT STATION

Client
 THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION
 CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Project
 CONTRACT NO. : CV/2013/04
 DREDGING WORKS IN KWAI TSING CONTAINER BASIN AND ITS APPROACH CHANNEL

Title
 PROVISIONAL LOCATION OF WATER QUALITY MONITORING STATIONS

Scale at A1	Status	Rev
1:35000	TEN	2

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Figure 2 - Location of Monitoring Stations

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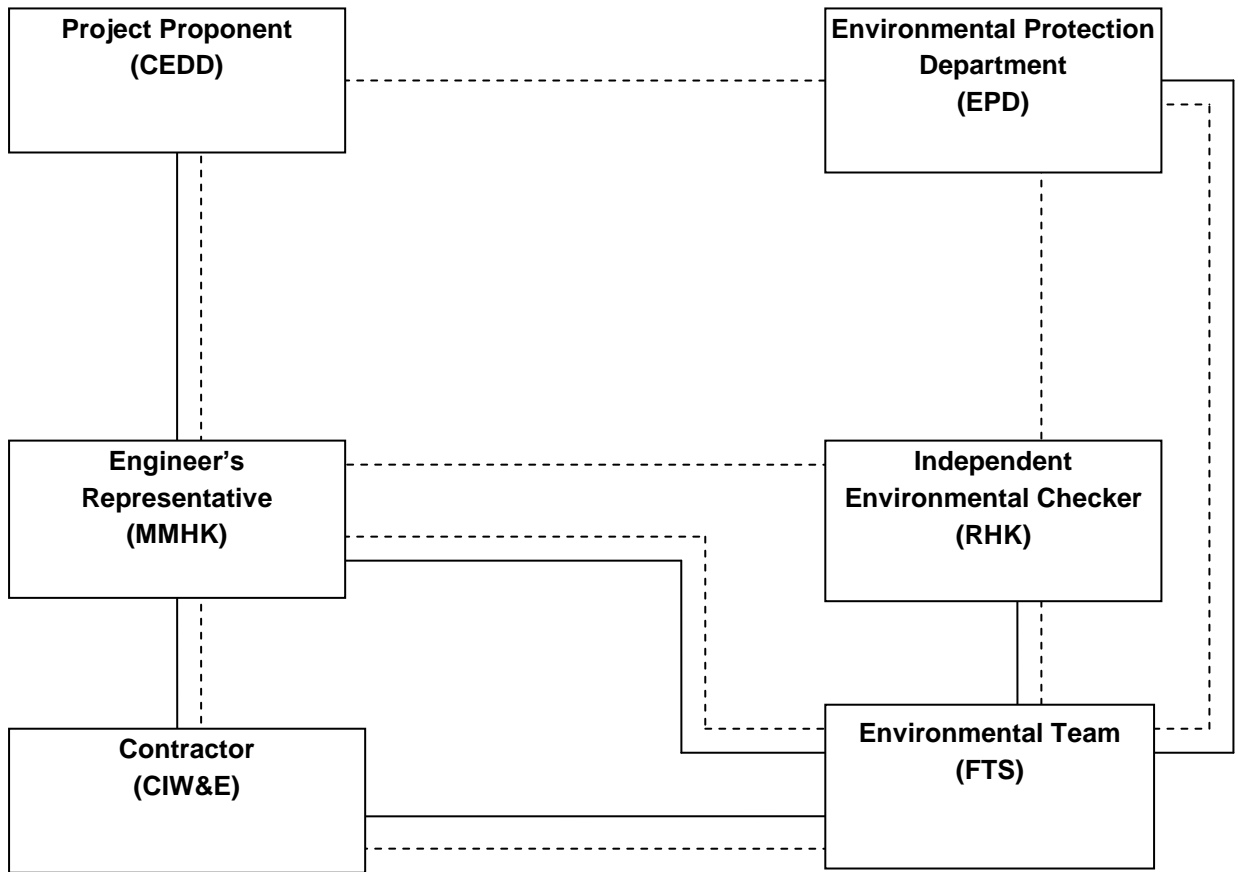
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Appendix A Project Organization Chart



Legend:
 — Line of Reporting
 - - - Line of Communication

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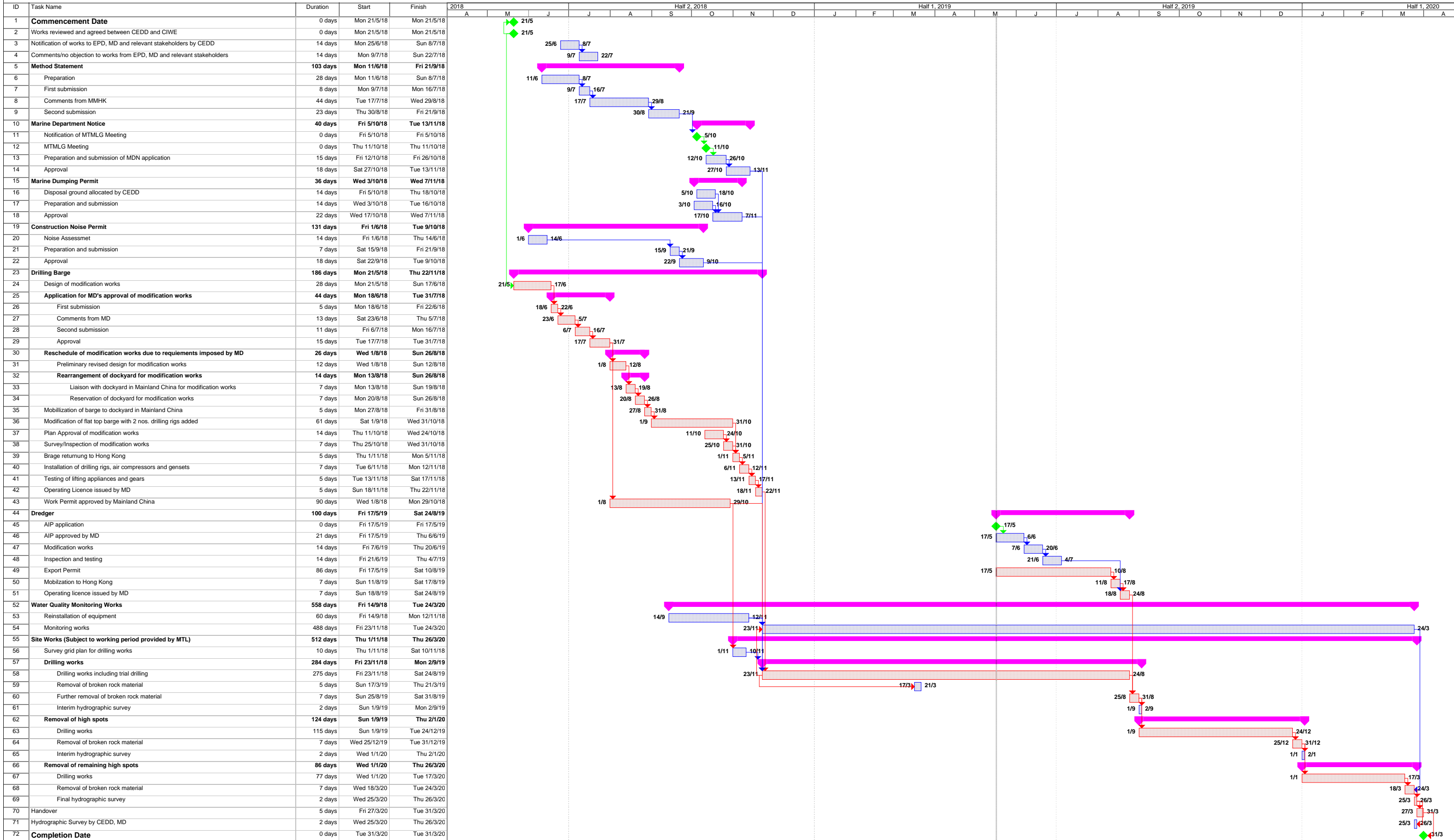
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Appendix B Construction Programme



China International Water & Electric Corp. Task Critical Task Milestone Summary

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Appendix C Action and Limit Levels

Action and Limit Levels for Routine Water Quality Monitoring (Dry Season)

Monitoring Station	DO (mg/L) Surface & Middle		DO (mg/L) Bottom		Turbidity (NTU) Depth-Averaged		Suspended Solids (mg/L) Depth-averaged		BOD5(mg/L) Depth- averaged		E.coli (CFU /100mL) Depth-averaged		NH3-N (mg/L) Depth-averaged		UIA (mg/L) Depth-averaged		Synthetic Detergent as MBAS (mg/L) Depth- averaged		TIN (mg/L) Depth Averaged	
	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL
Seawater Intake																				
SR4	2	2	2	2	<10	<10	<10	<10	<10	<10	<20,000	<20,000	<1	<1	0.021	0.021	<5	<5	NA	NA
SR12																				
Fish Culture Zone																				
SR5	5.45	5.39 [#]	5.43	5.27 ⁺	6.7 or 120% ^{C*}	10.1 or 130% ^{C^}	12 or 120% ^{C*}	19 or 130% ^{C^}	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.36	0.39
Gazetted Beach																				
SR2	5.45	5.39 [#]	5.43	5.27 ⁺	6.7 or 120% ^{C*}	10.1 or 130% ^{C^}	12 or 120% ^{C*}	19 or 130% ^{C^}	NA	NA	NA	NA	0.21 or 120% ^{C*}	0.24 or 130% ^{C^}	0.021	0.021	NA	NA	NA	NA
SR3																				
EMSD Cooling Water Intake																				
SR13	5.31	5.22 [#]	5.29	5.12 ⁺	13.1 or 120% ^{C*}	15.7 or 130% ^{C^}	23 or 120% ^{C*}	38 or 130% ^{C^}	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note:

* Or 120% of upstream control station at the same tide of the day

^ Or 130% of upstream control station at the same tide of the day

According to EM&A Manual, LL of DO (surface & middle) is 5 mg/L or 1 percentile of baseline data in FCZ; 4 mg/L or 1 percentile of baseline data in other impact monitoring stations.

+ According to EM&A Manual, LL of DO (bottom) is 2 mg/L or 1 percentile of baseline data

For DO measurement, non-compliance occurs when monitoring result is lower than the limits;

For TIN, UIA, NH₃-N, SS, BOD₅, E.coli, synthetic detergent and turbidity, non-compliance of water quality results when monitoring results is higher than the limits;

AL/LL of TIN and NH₃-N are determined from laboratory results for better accuracy and reliability. These AL/LL will be applied to both laboratory and in-situ measurements at impact stage.

Dry Season: November to March

Action and Limit Levels for Routine Water Quality Monitoring (Wet Season)

Monitoring Station	DO (mg/L) Surface & Middle		DO (mg/L) Bottom		Turbidity (NTU) Depth-Averaged		Suspended Solids (mg/L) Depth-averaged		BOD5 (mg/L) Depth- averaged		E.coli (CFU /100mL) Depth-averaged		NH3-N (mg/L) Depth-averaged		UIA (mg/L) Depth-averaged		Synthetic Detergent as MBAS (mg/L) Depth-averaged		TIN (mg/L) Depth Averaged	
	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL
Seawater Intake																				
SR4	2	2	2	2	<10	<10	<10	<10	<10	<10	<20,000	<20,000	<1	<1	0.021	0.021	<5	<5	NA	NA
SR12																				
Fish Culture Zone																				
SR5	5.00#	5.00#	4.11	4.04+	10.8 or 120%C*	15.0 or 130%C^	12 or 120%C*	19 or 130%C^	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.45	0.50
Gazetted Beach																				
SR2	4.68	4.62#	4.11	4.04+	10.8 or 120%C*	15.0 or 130%C^	12 or 120%C*	19 or 130%C^	NA	NA	NA	NA	0.21 or 120%C*	0.24 or 130%C^	0.021	0.021	NA	NA	NA	NA
SR3																				
EMSD Cooling Water Intake																				
SR13	4.24	4.17#	3.70	3.58+	13.1 or 120%C*	15.7 or 130%C^	23 or 120%C*	38 or 130%C^	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note:

* Or 120% of upstream control station at the same tide of the day

^ Or 130% of upstream control station at the same tide of the day

According to EM&A Manual, LL of DO (surface & middle) is 5 mg/L or 1 percentile of baseline data in FCZ; 4 mg/L or 1 percentile of baseline data in other impact monitoring stations. (5%ile & 1 %ile determined from wet season baseline data for cluster 1 (4.68mg/L & 4.62mg/L) and cluster 2 (5.00mg/L & 4.82mg/L) are 5mg/L or below, thus 5mg/L was adopted as the AL & LL for the SR in FCZ)

+ According to EM&A Manual, LL of DO (bottom) is 2 mg/L or 1 percentile of baseline data

Referring to the ER Letter ref. (CV/2013/04)/M45/400/1247 dated 19 March 2015, a Revised Baseline Water Quality Monitoring Test Methodology – Review of Action and Limit Levels has been submitted to EPD by ER in March 2015. The Action and Limit Level for the wet season (April – October) was effected and applied to the water quality monitoring data from 1 April 2015.

For DO measurement, non-compliance occurs when monitoring result is lower than the limits;

For TIN, UIA, NH₃-N, SS, BOD₅, E.coli, synthetic detergent and turbidity, non-compliance of water quality results when monitoring results is higher than the limits;

AL/LL of TIN and NH₃-N are determined from laboratory results for better accuracy and reliability. These AL/LL will be applied to both laboratory and in-situ measurements at impact stage.

Wet season: April to October

Action and Limit Levels for 24-hr Water Quality Monitoring (Dry Season)

Monitoring Station	DO (mg/L) Surface		Turbidity (NTU) Surface		Ammonia-N (mg/L) Surface	
	AL	LL	AL	LL	AL	LL
WSD Seawater Intake						
SR4	2	2	<10	<10	<1	<1
SR12						
Fish Culture Zone						
SR5	5.46	5.39	6.0	7.9	NA	NA
EMSD Cooling Water Intake						
SR13	5.28	5.22	11.9	13.3	NA	NA

Note: According to EM&A Manual, LL of DO (surface & middle) is 5 mg/L or 1 percentile of baseline data in FCZ; 4 mg/L or 1 percentile of baseline data in other impact monitoring stations.

Dry Season: November to March.

Action and Limit Levels for 24-hr Water Quality Monitoring (Wet Season)

Monitoring Station	DO (mg/L) Surface		Turbidity (NTU) Surface		Ammonia-N (mg/L) Surface	
	AL	LL	AL	LL	AL	LL
WSD Seawater Intake						
SR4	2	2	<10	<10	<1	<1
SR12						
Fish Culture Zone						
SR5	5.24	5.13	9.7	14.4	NA	NA
EMSD Cooling Water Intake						
SR13	4.23	4.17	11.9	13.3	NA	NA

Note: # According to EM&A Manual, LL of DO (surface & middle) is 5 mg/L or 1 percentile of baseline data in FCZ; 4 mg/L or 1 percentile of baseline data in other impact monitoring stations. (1 %ile determined from wet season baseline data for cluster 2 (4.78mg/L) is below 5mg/L, thus 5mg/L was adopted as the DO (surface) LL for the SR in FCZ in cluster 2 stations)

Referring to the ER Letter ref. (CV/2013/04)/M45/400/1247 dated 19 March 2015, a Revised Baseline Water Quality Monitoring Test Methodology – Review of Action and Limit Levels has been submitted to EPD by ER in March 2015. The Action and Limit Level for the wet season (April – October) was effected and applied to the water quality monitoring data from 1 April 2015.

Wet Season: April to October.

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Report No.: 0394/13/ED/0381A

Appendix D Copies of Calibration Certificates

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Calibration Certificates Impact Monitoring

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MaterialLab

Report No. : 142626WA191640



Page 1 of 3

Report on Calibration of YSI EXO-3 Multi-parameter Water Quality Meter

Information Supplied by Client

Client : Fugro Technical Services Limited (MCL)
Client's address : Rm. 723-726, 7/F, Profit Industrial Building, No. 1-15,
Kwai Fung Crescent, Kwai Chung, N.T.
Sample description : One YSI EXO-3 Multi-parameter Water Quality Meter
Client sample ID : Serial No. 19E100634
Test required : Calibration of the YSI EXO-3 Multi-parameter Water Quality Meter

Laboratory Information

Lab. sample ID : WA191640/1
Date of calibration : 18/06/2019
Next calibration date : 17/09/2019
Test method used : In-house comparison method based on Exo User Manual
(Item# 603789Ref Revision H)

Note : This report refers only to the sample(s) tested.

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Website : www.fugro.com

Materialab

Report No. : 142626WA191640

Page 2 of 3

Results :

A. Conductivity calibration

Conductivity, mhos/cm			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
50	50.00	0.00	± 2.5

B. Dissolved Oxygen calibration

Air-saturated DO, % at 749.7mmHg			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
100	98.6	-1.4	± 10

C. Turbidity calibration

Turbidity, F.N.U.			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
0	0.00	0.00	± 0.5
126	124.00	-2.00	± 6.5

Certified by : 
Approved Signatory : HO Kin Man, John
Assistant General Manager – Laboratories

Date : 6/8/2019

Note : This report refers only to the sample(s) tested.

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Report No. : 142626WA191640

Page 3 of 3

Results :

D. pH calibration

pH reading & mV at 25°C for Q.C. solution(4.00), Q.C. solution(7.00) & Q.C. solution(10.00)					
Theoretical value (pH)	Measured	Deviation	Theoretical value (mV)	Measured	Deviation
4.00	4.00	0.00	177.30	178.80	+1.50
7.00	7.00	0.00	0.00	-7.50	-7.50
10.00	10.00	0.00	-177.30	-182.40	-5.10

E. Chlorophyll calibration

Chlorophyll reading at 25.0°C for Std. solution (0ug/L) and at 25.3°C for Std. solution (62.5ug/L)		
Theoretical (ug/L) (Temp.-compensated)	Measured	Deviation
0.00	0.00	0.00
61.30	62.00	-0.70

Certified by : 

Approved Signatory : HO Kin Man, John
Assistant General Manager – Laboratories

Date

: 6/8/2019

** End of Report **

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Tel : (852)-24508238
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Email : mcl@fugro.com.hk

MaterialLab**Photometer Check Log**

Calibration Date:	12 July 2019		
Parameter:	NO ₃ -N		
Check Solution ID:	0.4 mg/L NO ₃ -N		
Check Solution Prepared by:	Fugro Technical Services Limited		
Check Solution Concentration (mg/L):	0.4 mg/L		
Equipment (Brand & Model, Equipment No.):	HACH DR900 w-09	HACH DR900 w-10	HACH DR900 w-11
Concentration Reading on Photometer:	0.398 mg/L	0.385 mg/L	0.406 mg/L
Next Calibration Date:	11 August 2019		

Prepared by: ASDate: 12 July 2019Checked by: GrDate: 12 July 2019

FUGRO TECHNICAL SERVICES LIMITED

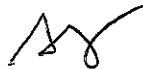
Fugro Development Centre,
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Tai Lam, Tuen Mun, N.T., Hong Kong.

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MaterialLab**Photometer Check Log**

Calibration Date:	9 August 2019		
Parameter:	NH ₃ -N		
Check Solution ID:	0.2 mg/L NH ₃ -N		
Check Solution Prepared by:	Fugro Technical Services Limited		
Check Solution Concentration (mg/L):	0.2 mg/L		
Equipment (Brand & Model, Equipment No.):	Laribond MD600 W-1A	Laribond MD600 W-20	Laribond MD600 W-21
Concentration Reading on Photometer:	0.19 mg/L	0.19 mg/L	0.20 mg/L
Next Calibration Date:	8 September 2019		

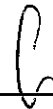
Prepared by: _____



Date: _____

9 August 2019

Checked by: _____



Date: _____

9 August 2019

FUGRO TECHNICAL SERVICES LIMITED

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17 M.S. Castle Peak Road,
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Photometer Check Log

Calibration Date:	9 August 2019		
Parameter:	NO ₂ -N		
Check Solution ID:	0.2 mg/L NO ₂ -N		
Check Solution Prepared by:	Fugro Technical Services Limited		
Check Solution Concentration (mg/L):	0.2 mg/L		
Equipment (Brand & Model, Equipment No.):	Lowbond MD600 W-1A	Lowbond MD600 W-20	Lowbond MD600 W-21
Concentration Reading on Photometer:	0.20 mg/L	0.21 mg/L	0.19 mg/L
Next Calibration Date:	8 September 2019		

Prepared by: AY

Date: 9 August 2019

Checked by: [Signature]

Date: 9 August 2019

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MaterialLab**Photometer Check Log**

Calibration Date:	9 August 2019		
Parameter:	NO ₃ -N		
Check Solution ID:	0.4 mg/L NO ₃ -N		
Check Solution Prepared by:	Fugro Technical Services Limited		
Check Solution Concentration (mg/L):	0.4 mg/L		
Equipment (Brand & Model, Equipment No.):	HACH DR900 w-09	HACH DR900 w-10	HACH DR900 w-11
Concentration Reading on Photometer:	0.407 mg/L	0.413 mg/L	0.392 mg/L
Next Calibration Date:	6 September 2019		

Prepared by: ARDate: 9 August 2019Checked by: GDate: 9 August 2019

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Calibration Certificate 24-hr Monitoring

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Calibration Certificate 24-hr Monitoring – SR4

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MaterialLab

Report No. : 142626WA191088



Page 1 of 3

Report on Calibration of YSI 69201V2-M Multi-parameter Water Quality Meter

Information Supplied by Client

Client : MaterialLab Consultants Limited
Client's address : Rm. 723-726, 7/F, Profit Industrial Building, No. 1-15,
Kwai Fung Crescent, Kwai Chung, N.T.
Sample description : One YSI 69201V2-M Multi-parameter Water Quality Meter
Client sample ID : Serial No. 18L104182
Test required : Calibration of the YSI 69201V2-M Multi-parameter Water Quality
Meter

Laboratory Information

Lab. sample ID : WA191088/1
Date sample received : 24/05/2019
Date of calibration : 24/05/2019
Next calibration date : 23/08/2019
Test method used : In-house comparison method

Note : This report refers only to the sample(s) tested.

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Report No. : 142626WA191088

Page 2 of 3

Results :**A. pH calibration**

pH reading at 24°C for Q.C. solution(6.86) and at 23°C for Q.C. solution(9.18)		
Theoretical	Measured	Deviation
9.18	9.06	-0.12
6.86	6.79	-0.07

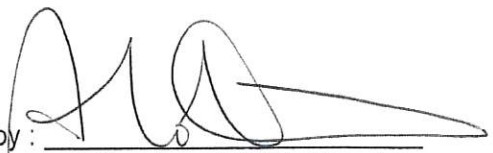
B. Salinity calibration

Salinity, ppt			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
10	10.01	+0.01	± 0.5
20	20.19	+0.19	± 1.0
30	30.01	+0.01	± 1.5
40	39.75	-0.25	± 2.0

C. Dissolved Oxygen calibration

Trial No.	Dissolved oxygen content, mg/L	
	By Titration	By D.O. meter
1	7.82	7.77
2	7.99	7.81
3	8.02	7.82
Average	7.94	7.80

Differences of D.O. Content between Wrinkler Titration and D.O. meter should be less than 0.4 mg/L

Certified by : 
 Approved Signatory : HO Kin Man, John
 Assistant General Manager – Laboratories
 Date : 2/7/2019

Note : This report refers only to the sample(s) tested.

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Report No. : 142626WA191088

Page 3 of 3

Results :

D. Temperature calibration

Thermometer reading, °C	Meter reading, °C
24.4	23.35

E. Turbidity calibration

Turbidity, N.T.U.			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
0	0.2	+0.2	± 0.5
4	3.9	-0.1	± 0.6
8	7.8	-0.2	± 0.8
40	39.3	-0.7	± 3.0
80	80.0	0.0	± 4.0

Certified by : 

Approved Signatory : HO Kin Man, John
Assistant General Manager – Laboratories

Date

: 2/7/2019

** End of Report **

Note : This report refers only to the sample(s) tested.

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Calibration Certificate
24-hr Monitoring – SR5

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MaterialLab

Report No. : 142626WA191408(2)A



Page 1 of 3

Report on Calibration of YSI EXO-3 Multi-parameter Water Quality Meter

Information Supplied by Client

Client : Fugro Technical Services Limited (MCL)
Client's address : Rm. 723-726, 7/F, Profit Industrial Building, No. 1-15,
Kwai Fung Crescent, Kwai Chung, N.T.
Sample description : One YSI EXO-3 Multi-parameter Water Quality Meter
Client sample ID : Serial No. 19E100633
Test required : Calibration of the YSI EXO-3 Multi-parameter Water Quality Meter

Laboratory Information

Lab. sample ID : WA191408/3
Date sample received : 21/06/2019
Date of calibration : 28/06/2019
Next calibration date : 27/09/2019
Test method used : In-house comparison method

Note : This report refers only to the sample(s) tested.

FUGRO TECHNICAL SERVICES LIMITED

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Website : www.fugro.com

MaterialLab

Report No. : 142626WA191408(2)A

Page 2 of 3

Results :

A. pH calibration

pH reading at 22°C for Q.C. solution(6.86) and at 22°C for Q.C. solution(9.18)		
Theoretical	Measured	Deviation
9.18	9.18	0.00
6.86	6.76	-0.10

B. Salinity calibration

Salinity, ppt			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
10	10.1	+0.1	± 0.5
20	20.2	+0.2	± 1.0
30	30.1	+0.1	± 1.5
40	40.4	+0.4	± 2.0

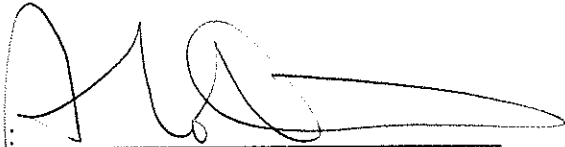
C. Dissolved Oxygen calibration

Trial No.	Dissolved oxygen content, mg/L	
	By Titration	By D.O. meter
1	7.87	7.91
2	8.10	7.96
3	7.83	8.00
Average	7.93	7.96

Differences of D.O. Content between Wrinkler Titration and D.O. meter should be less than 0.2 mg/L

Remark : This report is to supersede our former report #142626WA191408(2).

Certified by :


Approved Signatory : HO Kin Man, John
Assistant General Manager – Laboratories

Date :

6/8/2019

Note : This report refers only to the sample(s) tested.

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MaterialLab

Report No. : 142626WA191408(2)A

Page 3 of 3

Results :

D. Temperature calibration

Thermometer reading, °C	Meter reading, °C
23.0	22.83

E. Turbidity calibration

Turbidity, N.T.U.			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
0	0.0	0.0	± 0.5
4	4.4	+0.4	± 0.6
8	8.2	+0.2	± 0.8
40	41.1	+1.1	± 3.0
80	80.2	+0.2	± 4.0

Remark : This report is to supersede our former report #142626WA191408(2).

Certified by : 
Approved Signatory : HO Kin Man, John
Assistant General Manager – Laboratories

Date : 6/8/2019
** End of Report **

Note : This report refers only to the sample(s) tested.

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Calibration Certificate
24-hr Monitoring – SR12

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MaterialLab

Report No. : 142626WA191408A



Page 1 of 3

Report on Calibration of YSI 69201V2-M Multi-parameter Water Quality Meter

Information Supplied by Client

Client : Fugro Technical Services Limited (MCL)
Client's address : Rm. 723-726, 7/F, Profit Industrial Building, No. 1-15,
Kwai Fung Crescent, Kwai Chung, N.T.
Sample description : One YSI 69201V2-M Multi-parameter Water Quality Meter
Client sample ID : Serial No. 18L104181
Test required : Calibration of the YSI 69201V2-M Multi-parameter Water Quality
Meter

Laboratory Information

Lab. sample ID : WA191408/1
Date sample received : 21/06/2019
Date of calibration : 28/06/2019
Next calibration date : 27/09/2019
Test method used : In-house comparison method

Note : This report refers only to the sample(s) tested.

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MaterialLab

Report No. : 142626WA191408A

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Results :

A. pH calibration

pH reading at 22°C for Q.C. solution(6.86) and at 22°C for Q.C. solution(9.18)		
Theoretical	Measured	Deviation
9.18	9.18	0.00
6.86	6.78	-0.08

B. Salinity calibration

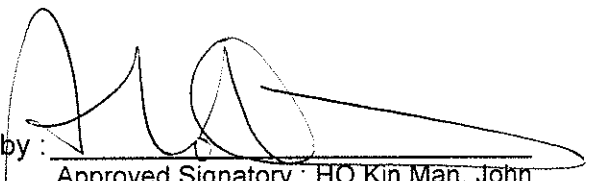
Salinity, ppt			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
10	10.1	+0.1	± 0.5
20	20.3	+0.3	± 1.0
30	30.2	+0.2	± 1.5
40	40.8	+0.8	± 2.0

C. Dissolved Oxygen calibration

Trial No.	Dissolved oxygen content, mg/L	
	By Titration	By D.O. meter
1	8.02	8.20
2	7.99	8.13
3	7.92	8.10
Average	7.98	8.14

Differences of D.O. Content between Wrinkler Titration and D.O. meter should be less than 0.2 mg/L

Remark : This report is to supersede our former report #142626WA191408.

Certified by : 
Approved Signatory : HO Kin Man, John
Assistant General Manager – Laboratories

Date : 6/8/2019

Note : This report refers only to the sample(s) tested.

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Results :

D. Temperature calibration

Thermometer reading, °C	Meter reading, °C
22.2	22.13

E. Turbidity calibration

Turbidity, N.T.U.			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
0	0.0	0.0	± 0.5
4	4.4	+0.4	± 0.6
8	7.6	-0.4	± 0.8
40	39.7	-0.3	± 3.0
80	80.0	0.0	± 4.0

Remark : This report is to supersede our former report #142626WA191408.

Certified by :


Approved Signatory : HO Kin Man, John
Assistant General Manager – Laboratories

Date :

6/8/2019

** End of Report **

Note : This report refers only to the sample(s) tested.

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Calibration Certificate
24-hr Monitoring – SR13

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Report No. : 142626WA191408(1)A



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Report on Calibration of YSI 69201V2-M Multi-parameter Water Quality Meter

Information Supplied by Client

Client : Fugro Technical Services Limited (MCL)
Client's address : Rm. 723-726, 7/F, Profit Industrial Building, No. 1-15,
Kwai Fung Crescent, Kwai Chung, N.T.
Sample description : One YSI 69201V2-M Multi-parameter Water Quality Meter
Client sample ID : Serial No. 14A102907
Test required : Calibration of the YSI 69201V2-M Multi-parameter Water Quality
Meter

Laboratory Information

Lab. sample ID : WA191408/2
Date sample received : 21/06/2019
Date of calibration : 28/06/2019
Next calibration date : 27/09/2019
Test method used : In-house comparison method

Note : This report refers only to the sample(s) tested.

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Report No. : 142626WA191408(1)A

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Results :**A. Salinity calibration**

Salinity, ppt			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
10	10.2	+0.2	± 0.5
20	20.9	+0.9	± 1.0
30	30.0	0.0	± 1.5
40	40.5	+0.5	± 2.0


B. Dissolved Oxygen calibration

Trial No.	Dissolved oxygen content, mg/L	
	By Titration	By D.O. meter
1	8.04	7.85
2	8.11	8.28
3	8.14	8.27
Average	8.10	8.13

Differences of D.O. Content between Wrinkler Titration and D.O. meter should be less than 0.2 mg/L

Remark : This report is to supersede our former report #142626WA191408(1).

Certified by :


Approved Signatory : HO Kin Man, John
Assistant General Manager – Laboratories

Date :

6/18/2019

Note : This report refers only to the sample(s) tested.

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Results :

C. Temperature calibration

Thermometer reading, °C	Meter reading, °C
23.5	23.38

D. Turbidity calibration

Turbidity, N.T.U.			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
0	0.0	0.0	± 0.5
4	4.5	+0.5	± 0.6
8	7.7	-0.3	± 0.8
40	40.7	+0.7	± 3.0
80	80.4	+0.4	± 4.0

Remark : This report is to supersede our former report #142626WA191408(1).

Certified by : 

Approved Signatory : HO Kin Man, John
Assistant General Manager – Laboratories

Date :

** End of Report **

6/8/2019

Note : This report refers only to the sample(s) tested.

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Calibration Certificate

24-hr Monitoring – Micromac 1000

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Report No.: 0394/13/ED/0381A

Appendix E Schedules for Routine Impact Water Quality Monitoring

Water Quality Monitoring Schedule (Present Reporting Period)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
		23 July 2019 Routine WQM Mid-Flood (09:41) Mid-Ebb (16:10)	24	25 Routine WQM Mid-Ebb (06:28) Mid-Flood (11:59)	26	27 Routine WQM Mid-Ebb (08:26) Mid-Flood (14:50)
28	29	30 Routine WQM Mid-Ebb (10:53) Mid-Flood (18:00)	31	1 August 2019 Routine WQM (Cancelled) Mid-Flood (05:33) Mid-Ebb (12:29)	2	3 Routine WQM Mid-Flood (07:18) Mid-Ebb (14:02)
4	5	6 Routine WQM Mid-Flood (09:59) Mid-Ebb (16:26)	7	8 Routine WQM Mid-Ebb (06:29) Mid-Flood (12:49)	9	10 Routine WQM Mid-Ebb (08:56) Mid-Flood (16:04)
11	12	13 Routine WQM Mid-Ebb (11:16) Mid-Flood (18:35)	14	15 Routine WQM Mid-Flood (05:32) Mid-Ebb (12:27)	16	17 Routine WQM Mid-Flood (06:51) Mid-Ebb (13:30)
18	19	20 Routine WQM Mid-Flood (08:48) Mid-Ebb (15:06)	21	22 Routine WQM Mid-Flood (10:22) Mid-Ebb (16:20)		

Remarks

1. According to the approved proposal (0394_13_ED_0332I), routine impact water quality monitoring locations were SR2, SR3, SR4, SR5, SR12, SR13, G2, C1A and C2A.
2. Due to adverse weather condition and the issuance of Strong Wind Signal No. 3 on 1st August 2019, the impact monitoring for mid-flood and mid-ebb tide on 1st August 2019 was cancelled.

Water Quality Monitoring Schedule (Next Reporting Period)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
					23 August 2019	24 Routine WQM Mid-Ebb (06:31) Mid-Flood (13:09)
25	26	27 Routine WQM Mid-Ebb (09:41) Mid-Flood (17:07)	28	29 Routine WQM Mid-Ebb (11:23) Mid-Flood (18:25)	30	31 Routine WQM Mid-Flood (06:21) Mid-Ebb (12:57)
1	2	3 Routine WQM Mid-Flood (08:55) Mid-Ebb (15:13)	4	5 Routine WQM Mid-Flood (11:08) Mid-Ebb (17:04)	6	7 Routine WQM Mid-Ebb (06:51) Mid-Flood (14:46)
8	9	10 Routine WQM Mid-Ebb (10:14) Mid-Flood (17:39)	11	12 Routine WQM Mid-Flood (04:43) Mid-Ebb (11:29)	13	14 Routine WQM Mid-Flood (06:02) Mid-Ebb (12:33)
15	16	17 Routine WQM Mid-Flood (07:59) Mid-Ebb (14:08)	18	19 Routine WQM Mid-Flood (09:23) Mid-Ebb (15:17)	20	21 Routine WQM Mid-Flood (11:29) Mid-Ebb (16:50)
22						

Remarks

1. Actual monitoring will be subjected to change due to any safety concern or adverse weather condition.
2. According to the approved proposal (Ref: 0394/13ED/0370G), routine impact water quality monitoring locations will be SR4, SR5, SR12, SR13, G2, C1A and C2A, effective from 23 August 2019.

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Report No.: 0394/13/ED/0381A

Appendix F

Water Quality Monitoring Results and Graphical Presentation – Routine Impact Monitoring

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																									
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)		
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value
C1A	23/7/2019	Mid-Flood	Cloudy	Moderate	11:53	28	S	1	1	8.07	8.08	26.62	26.64	26.03	26.03	84.4	84.2	5.92	5.91	1.4	1.5	2.4	0.12	0.12	0.13	0.007	0.007	0.008	0.12	0.61	0.04	0.77	0.76		
C1A	23/7/2019	Mid-Flood	Cloudy	Moderate	11:53	28	S	1	2	8.08	8.08	26.65	26.64	26.02	26.03	84.0	84.2	5.89	5.91	1.6	1.5	2.4	0.12	0.12	0.13	0.007	0.007	0.008	0.12	0.60	0.04	0.76	0.76		
C1A	23/7/2019	Mid-Flood	Cloudy	Moderate	11:53	28	M	14	1	8.12	8.13	26.92	26.94	25.83	25.84	80.1	79.9	5.62	5.61	2.3	2.4	2.4	0.13	0.13	0.13	0.008	0.007	0.008	0.13	0.60	0.04	0.77	0.77		
C1A	23/7/2019	Mid-Flood	Cloudy	Moderate	11:53	28	M	14	2	8.13	8.13	26.95	26.94	25.84	25.84	79.7	79.9	5.60	5.61	2.4	2.4	2.4	0.12	0.12	0.13	0.007	0.007	0.008	0.12	0.61	0.04	0.77	0.77		
C1A	23/7/2019	Mid-Flood	Cloudy	Moderate	11:53	28	M	14	3	8.13	8.13	26.95	26.94	25.84	25.84	79.7	79.9	5.60	5.61	2.4	2.4	2.4	0.12	0.12	0.13	0.007	0.007	0.008	0.12	0.60	0.04	0.76	0.77		
C1A	23/7/2019	Mid-Flood	Cloudy	Moderate	11:53	28	B	27	1	8.15	8.16	27.11	27.10	25.68	25.69	74.2	74.4	5.20	5.21	3.3	3.4	3.4	0.13	0.13	0.13	0.009	0.009	0.009	0.13	0.61	0.04	0.78	0.78		
C1A	23/7/2019	Mid-Flood	Cloudy	Moderate	11:53	28	B	27	2	8.16	8.16	27.08	27.10	25.69	25.69	74.5	74.4	5.22	5.21	3.5	3.4	3.4	0.13	0.13	0.13	0.009	0.009	0.009	0.13	0.61	0.04	0.78	0.78		
C1A	23/7/2019	Mid-Flood	Cloudy	Moderate	11:53	28	B	27	3	8.16	8.16	27.08	27.10	25.69	25.69	74.5	74.4	5.22	5.21	3.5	3.4	3.4	0.13	0.13	0.13	0.009	0.009	0.009	0.13	0.61	0.04	0.78	0.78		
C2A	23/7/2019	Mid-Flood	Cloudy	Moderate	9:00	13	S	1	1	8.01	8.02	29.79	29.77	25.60	25.60	83.3	83.2	5.81	5.80	1.7	1.8	1.8	0.70	0.70	0.70	0.033	0.033	0.033	0.70	0.23	0.02	0.95	0.95		
C2A	23/7/2019	Mid-Flood	Cloudy	Moderate	9:00	13	S	1	2	8.02	8.02	29.74	29.77	25.59	25.60	83.0	83.2	5.79	5.80	1.8	1.8	1.8	0.70	0.70	0.70	0.033	0.033	0.033	0.70	0.23	0.02	0.95	0.95		
C2A	23/7/2019	Mid-Flood	Cloudy	Moderate	9:00	13	S	1	3	8.02	8.02	29.74	29.77	25.59	25.60	83.0	83.2	5.79	5.80	1.8	1.8	1.8	0.70	0.70	0.70	0.033	0.033	0.033	0.70	0.23	0.02	0.96	0.95		
C2A	23/7/2019	Mid-Flood	Cloudy	Moderate	9:00	13	M	6.5	1	8.03	8.04	29.96	29.99	25.43	25.44	79.2	79.3	5.53	5.54	2.6	2.6	2.6	0.72	0.72	0.72	0.035	0.035	0.035	0.72	0.22	0.03	0.97	0.97		
C2A	23/7/2019	Mid-Flood	Cloudy	Moderate	9:00	13	M	6.5	2	8.04	8.04	30.01	29.99	25.44	25.44	79.4	79.3	5.54	5.54	2.5	2.6	2.6	0.71	0.71	0.71	0.035	0.035	0.035	0.71	0.23	0.03	0.97	0.97		
C2A	23/7/2019	Mid-Flood	Cloudy	Moderate	9:00	13	M	6.5	3	8.04	8.04	30.01	29.99	25.44	25.44	79.4	79.3	5.54	5.54	2.5	2.6	2.6	0.71	0.71	0.71	0.035	0.035	0.035	0.71	0.23	0.03	0.97	0.97		
C2A	23/7/2019	Mid-Flood	Cloudy	Moderate	9:00	13	B	12	1	8.04	8.04	30.27	30.29	25.30	25.31	76.0	75.9	5.30	5.29	3.3	3.4	3.4	0.72	0.73	0.73	0.035	0.035	0.035	0.72	0.23	0.03	0.98	0.98		
C2A	23/7/2019	Mid-Flood	Cloudy	Moderate	9:00	13	B	12	2	8.04	8.04	30.31	30.29	25.31	25.31	75.7	75.9	5.28	5.29	3.5	3.4	3.4	0.73	0.73	0.73	0.036	0.035	0.035	0.73	0.22	0.03	0.98	0.98		
C2A	23/7/2019	Mid-Flood	Cloudy	Moderate	9:00	13	B	12	3	8.04	8.04	30.31	30.29	25.31	25.31	75.7	75.9	5.28	5.29	3.5	3.4	3.4	0.73	0.73	0.73	0.036	0.035	0.035	0.73	0.23	0.03	0.99	0.98		
G2	23/7/2019	Mid-Flood	Cloudy	Moderate	10:50	12	S	1	1	8.20	8.20	24.21	24.23	27.08	27.08	82.3	82.2	5.74	5.73	0.7	0.9	0.9	NA	NA	NA	NA	NA	NA	0.19	0.51	0.03	0.73	0.72		
G2	23/7/2019	Mid-Flood	Cloudy	Moderate	10:50	12	S	1	2	8.19	8.20	24.25	24.23	27.07	27.08	82.1	82.2	5.72	5.73	1.1	0.9	0.9	NA	NA	NA	NA	NA	NA	0.18	0.51	0.03	0.72	0.72		
G2	23/7/2019	Mid-Flood	Cloudy	Moderate	10:50	12	S	1	3	8.19	8.20	24.25	24.23	27.07	27.08	82.1	82.2	5.72	5.73	1.1	0.9	0.9	NA	NA	NA	NA	NA	NA	0.18	0.51	0.03	0.72	0.72		
G2	23/7/2019	Mid-Flood	Cloudy	Moderate	10:50	12	M	6	1	8.19	8.20	24.58	24.60	26.89	26.90	78.0	77.8	5.44	5.43	1.7	1.8	1.8	NA	NA	NA	NA	NA	0.18	0.52	0.03	0.73	0.73			
G2	23/7/2019	Mid-Flood	Cloudy	Moderate	10:50	12	M	6	2	8.20	8.20	24.61	24.60	26.90	26.90	77.6	77.8	5.41	5.43	1.8	1.8	1.8	NA	NA	NA	NA	NA	0.17	0.52	0.03	0.72	0.73			
G2	23/7/2019	Mid-Flood	Cloudy	Moderate	10:50	12	M	6	3	8.20	8.20	24.61	24.60	26.90	26.90	77.6	77.8	5.41	5.43	1.8	1.8	1.8	NA	NA	NA	NA	NA	0.18	0.52	0.03	0.73	0.73			
G2	23/7/2019	Mid-Flood	Cloudy	Moderate	10:50	12	B	11	1	8.21	8.22	24.98	25.01	26.36	26.37	71.4	71.6	4.98	5.00	2.6	2.6	2.6	NA	NA	NA	NA	NA	0.18	0.53	0.04	0.75	0.74			
G2	23/7/2019	Mid-Flood	Cloudy	Moderate	10:50	12	B	11	2	8.22	8.22	25.03	25.01	26.37	26.37	71.8	71.6	5.01	5.00	2.5	2.6	2.6	NA	NA	NA	NA	NA	0.18	0.52	0.04	0.74	0.74			
G2	23/7/2019	Mid-Flood	Cloudy	Moderate	10:50	12	B	11	3	8.22	8.22	25.03	25.01	26.37	26.37	71.8	71.6	5.01	5.00	2.5	2.6	2.6	NA	NA	NA	NA	NA	0.18	0.52	0.04	0.74	0.74			
SR2	23/7/2019	Mid-Flood	Cloudy	Moderate	11:09	9	S	1	1	8.12	8.12	26.39	26.41	27.08	27.08	86.6	86.5	6.06	6.06	0.7	0.7	0.7	0.20	0.20	0.20	0.013	0.013	0.013	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Flood	Cloudy	Moderate	11:09	9	S	1	2	8.11	8.12	26.43	26.41	27.07	27.08	86.4	86.5	6.05	6.06	0.6	0.7	0.7	0.20	0.20	0.20	0.013	0.013	0.013	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Flood	Cloudy	Moderate	11:09	9	S	1	3	8.11	8.12	26.43	26.41	27.07	27.08	86.4	86.5	6.05	6.06	0.6	0.7	0.7	0.20	0.20	0.20	0.013	0.013	0.013	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Flood	Cloudy	Moderate	11:09	9	M	4.5	1	8.13	8.13	26.82	26.81	26.89	26.89	82.1	82.0	5.74	5.73	1.4	1.3	1.3	0.21	0.21	0.21	0.014	0.014	0.014	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Flood	Cloudy	Moderate	11:09	9	M	4.5	2	8.13	8.13	26.79	26.81	26.89	26.89	81.8	82.0	5.72	5.73	1.2	1.3	1.3	0.20	0.20	0.20	0.014	0.014	0.014	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Flood	Cloudy	Moderate	11:09	9	M	4.5	3	8.13	8.13	26.79	26.81	26.89	26.89	81.8	82.0	5.72	5.73	1.2	1.3	1.3	0.20	0.20	0.20	0.014	0.014	0.014	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Flood	Cloudy	Moderate	11:09	9	B	8	1	8.15	8.16	27.09	27.08	26.65	26.65	79.6	79.8	5.56	5.57	2.7	2.7	2.7	0.19	0.19	0.19	0.013	0.013	0.013	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Flood	Cloudy	Moderate	11:09	9	B	8	2	8.16	8.16	27.06	27.08	26.64	26.65	79.9	79.8	5.58	5.57	2.6	2.7	2.7	0.19	0.19	0.19	0.013	0.013	0.013	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Flood	Cloudy	Moderate	11:09	9	B	8	3	8.16	8.16	27.06	27.08	26.64	26.65	79.9	79.8	5.58	5.57	2.6	2.7	2.7	0.19	0.19	0.19	0.013	0.013	0.013	NA	NA	NA	NA	NA		
SR3	23/7/2019	Mid-Flood	Cloudy	Moderate	10:31	8	S	1	1	8.16	8.16	23.66	23.64	26.82	26.82	85.8	85.7	6.04	6.03	0.8	0.9	0.9	0.18	0.19	0.19	0.013	0.013	0.013	NA	NA	NA	NA			

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																										
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	S	1	1	8.17	8.18	25.49	25.51	26.17	26.18	83.3	83.5	5.86	5.88	5.87	1.2	1.3	2.2	0.12	0.12	0.12	0.009	0.009	0.009	0.12	0.59	0.04	0.75	0.75		
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	S	1	3																											
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	M	14	1	8.18	8.18	25.89	25.91	25.82	25.82	78.8	78.6	5.54	5.53	5.54	2.2	2.2	2.2	0.12	0.12	0.12	0.008	0.008	0.008	0.12	0.58	0.03	0.73	0.73		
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	M	14	2	8.18	8.18	25.92	25.91	25.82	25.82	78.6	78.7	5.53	5.54	5.54	2.1	2.2	2.2	0.12	0.12	0.12	0.008	0.008	0.008	0.12	0.58	0.03	0.73	0.73		
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	M	14	3																											
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	B	27	1	8.19	8.19	26.33	26.35	25.44	25.44	73.0	73.2	5.13	5.15	5.14	3.1	3.2	3.2	0.12	0.13	0.13	0.008	0.009	0.009	0.12	0.60	0.04	0.76	0.76		
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	B	27	2	8.18	8.19	26.36	26.35	25.43	25.44	73.3	73.2	5.15	5.14	5.14	3.3	3.2	3.2	0.13	0.13	0.13	0.009	0.009	0.009	0.13	0.60	0.04	0.77	0.76		
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	B	27	3																											
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	S	1	1	8.04	8.05	29.31	29.33	26.33	26.34	80.4	80.2	5.63	5.61	5.62	1.5	1.5	1.5	0.76	0.76	0.76	0.041	0.041	0.041	0.76	0.22	0.02	1.00	1.00		
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	S	1	2	8.05	8.05	29.34	29.33	26.34	26.34	80.0	80.2	5.61	5.61	5.62	1.4	1.5	1.5	0.76	0.76	0.76	0.041	0.041	0.041	0.76	0.22	0.02	1.00	1.00		
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	S	1	3																											
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	M	6.5	1	8.05	8.06	29.59	29.61	26.23	26.23	75.3	75.2	5.27	5.26	5.27	2.6	2.5	2.5	0.77	0.78	0.78	0.042	0.042	0.042	0.77	0.23	0.03	1.03	1.03		
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	M	6.5	2	8.06	8.06	29.62	29.61	26.23	26.23	75.1	75.2	5.26	5.26	5.27	2.3	2.5	2.5	0.78	0.78	0.78	0.042	0.042	0.042	0.78	0.23	0.03	1.04	1.03		
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	M	6.5	3																											
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	B	12	1	8.06	8.06	29.88	29.87	26.10	26.10	71.0	70.9	4.97	4.95	4.96	3.3	3.2	3.2	0.77	0.77	0.77	0.042	0.042	0.042	0.77	0.22	0.03	1.02	1.03		
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	B	12	2	8.06	8.06	29.85	29.87	26.09	26.10	70.7	70.9	4.95	4.95	4.96	3.1	3.2	3.2	0.77	0.77	0.77	0.042	0.042	0.042	0.77	0.23	0.03	1.03	1.03		
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	B	12	3																											
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	S	1	1	8.19	8.20	24.69	24.65	27.13	27.13	83.4	83.3	5.87	5.85	5.86	1.1	1.2	1.2	NA	NA	NA	NA	NA	NA	0.19	0.51	0.03	0.73	0.73		
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	S	1	2	8.20	8.20	24.60	24.65	27.13	27.13	83.1	83.3	5.85	5.85	5.86	1.3	1.2	1.2	NA	NA	NA	NA	NA	NA	0.19	0.50	0.03	0.72	0.73		
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	S	1	3																											
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	M	6	1	8.20	8.20	24.95	24.97	26.82	26.83	79.2	79.1	5.58	5.57	5.58	1.7	1.8	1.8	NA	NA	NA	NA	NA	NA	0.19	0.51	0.03	0.73	0.73		
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	M	6	2	8.19	8.20	24.98	24.97	26.83	26.83	79.0	79.1	5.57	5.57	5.58	1.9	1.8	1.8	NA	NA	NA	NA	NA	NA	0.19	0.51	0.03	0.73	0.73		
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	M	6	3																											
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	B	11	1	8.21	8.21	25.16	25.15	26.56	26.56	74.3	74.1	5.23	5.20	5.22	2.7	2.7	2.7	NA	NA	NA	NA	NA	0.20	0.50	0.04	0.74	0.75			
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	B	11	2	8.20	8.21	25.13	25.15	26.55	26.56	73.9	74.1	5.20	5.20	5.22	2.6	2.7	2.7	NA	NA	NA	NA	NA	0.20	0.50	0.05	0.75	0.75			
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	B	11	3																											
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	S	1	1	8.18	8.18	25.68	25.66	26.27	26.28	85.2	85.4	5.96	5.99	5.98	0.7	0.9	0.9	0.20	0.20	0.20	0.014	0.014	0.014	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	S	1	2	8.17	8.18	25.63	25.66	26.28	26.28	85.6	85.4	5.99	5.99	5.98	1.1	0.9	0.9	0.20	0.20	0.20	0.014	0.014	0.014	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	S	1	3																											
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	M	4.5	1	8.18	8.19	25.92	25.95	25.82	25.82	81.2	81.4	5.68	5.71	5.70	1.6	1.7	1.7	0.20	0.20	0.20	0.014	0.014	0.014	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	M	4.5	2	8.19	8.19	25.97	25.95	25.81	25.82	81.6	81.4	5.71	5.71	5.70	1.7	1.7	1.7	0.20	0.20	0.20	0.014	0.014	0.014	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	M	4.5	3																											
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	B	8	1	8.20	8.20	26.26	26.24	25.40	25.39	78.5	78.2	5.49	5.47	5.48	2.4	2.4	2.4	0.22	0.21	0.21	0.016	0.015	0.015	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	B	8	2	8.19	8.20	26.22	26.24	25.39	25.40	78.2	78.4	5.47	5.47	5.48	2.3	2.4	2.4	0.21	0.21	0.21	0.015	0.015	0.015	NA	NA	NA	NA	NA		
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	B	8	3																											
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	S	1	1	8.17	8.17	24.31	24.32	27.03	27.04	86.0	85.9	5.99	5.97	5.98	0.7	0.9	0.9	0.20	0.20	0.20	0.015	0.015	0.015	NA	NA	NA	NA	NA		
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	S	1	2	8.16	8.17	24.33	24.32	27.04	27.04	85.7	85.9	5.97	5.97	5.98	1.0	0.9	0.9	0.20	0.20	0.20	0.015	0.015	0.015	NA	NA	NA	NA	NA		
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	S	1	3																											
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	M	4	1	8.17	8.18	24.52	24.54	26.88	26.88	81.0	80.8	5.64	5.61	5.63	1.6	1.7	1.7	0.18	0.18	0.18	0.014	0.014	0.014	NA	NA	NA	NA	NA		
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	M	4	2	8.																										

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	S	1	1	3	0.12			0.009			0.12	0.58	0.04	0.74				50			NA			<1			
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	S	1	2	3	0.12	0.12		0.009	0.009		0.12	0.58	0.03	0.73	0.73			71	60		NA	NA		<1	1		
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	S	1	3							0.12	0.57	0.03	0.72								NA	NA					
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	M	14	1	2	0.11			0.008			0.11	0.58	0.03	0.72				57			NA			1			
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	M	14	2	3	0.12	0.12	0.12	0.008	0.008		0.12	0.58	0.03	0.73	0.73	0.73		43	50	44	NA	NA		<1	1	1	
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	M	14	3							0.12	0.58	0.03	0.73								NA						
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	B	27	1	3	0.11			0.008			0.11	0.58	0.04	0.73				45			NA			1			
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	B	27	2	3	0.11	0.11		0.008	0.008		0.11	0.58	0.03	0.72	0.72			18	28		NA	NA		1	1		
C1A	23/7/2019	Mid-Ebb	Cloudy	Moderate	12:40	28	B	27	3							0.12	0.57	0.03	0.72								NA						
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	S	1	1	4	0.74			0.039			0.74	0.21	0.02	0.97				2500			NA			2			
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	S	1	2	4	0.76	0.75		0.041	0.040		0.76	0.21	0.02	0.99	0.98			2600	2550		NA	NA		1	1		
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	S	1	3							0.76	0.21	0.02	0.99								NA						
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	M	6.5	1	3	0.77			0.042			0.77	0.21	0.02	1.00				910			NA			1			
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	M	6.5	2	3	0.78	0.78	0.76	0.042	0.042		0.78	0.21	0.02	1.01	1.00	0.99		1600	1207	962	NA	NA		1	1	1	
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	M	6.5	3							0.77	0.21	0.02	1.00								NA						
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	B	12	1	4	0.77			0.042			0.77	0.21	0.02	1.00				1400			NA			1			
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	B	12	2	4	0.71	0.74		0.038	0.040		0.71	0.21	0.02	0.94	0.98			60	290		NA	NA		2	1		
C2A	23/7/2019	Mid-Ebb	Fine	Moderate	15:27	13	B	12	3							0.78	0.21	0.02	1.01								NA						
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	S	1	1	2	NA			NA	NA		0.18	0.50	0.03	0.71				NA			NA			NA			
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	S	1	2	2	NA	NA		NA	NA		0.18	0.49	0.03	0.70	0.71			NA	NA		NA	NA		NA	NA		
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	S	1	3							0.20	0.50	0.03	0.73								NA						
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	M	6	1	2	NA			NA	NA		0.19	0.49	0.03	0.71				NA	NA		NA	NA		NA	NA		
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	M	6	2	2	NA	NA	NA	NA	NA		0.18	0.49	0.03	0.70	0.71	0.72		NA	NA	NA	NA	NA		NA	NA		
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	M	6	3							0.19	0.51	0.03	0.73								NA						
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	B	11	1	2	NA			NA	NA		0.19	0.50	0.03	0.72				NA	NA		NA	NA		NA	NA		
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	B	11	2	2	NA	NA		NA	NA		0.18	0.50	0.03	0.71	0.72			NA	NA		NA	NA		NA	NA		
G2	23/7/2019	Mid-Ebb	Fine	Moderate	13:46	12	B	11	3							0.19	0.51	0.03	0.73								NA						
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	S	1	1	2	0.19	0.19		0.014	0.014		NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	S	1	2	2	0.19	0.19		0.014	0.014		NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	S	1	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	M	4.5	1	1	0.19			0.014			NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	M	4.5	2	2	0.17	0.18	0.19	0.013	0.013		NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	M	4.5	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	B	8	1	<1	0.18			0.013			NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	B	8	2	2	0.20	0.19		0.014	0.013		NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR2	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:27	9	B	8	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	S	1	1	2	0.19	0.19		0.014	0.014		NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	S	1	2	1	0.19	0.19		0.014	0.014		NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	S	1	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	M	4	1	2	0.24			0.018			NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	M	4	2	2	0.18	0.21	0.21	0.014	0.016	0.016	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA		NA	NA	
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	M	4	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	B	7	1	2	0.23			0.018			NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	B	7	2	3	0.20	0.22		0.016	0.017		NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	
SR3	23/7/2019	Mid-Ebb	Fine	Moderate	13:59	8	B	7	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA	

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	23/7/2019	Mid-Ebb	Fine	Moderate	14:18	4	S	1	1	3	0.22	0.22	0.017	0.017	0.017	NA	NA	NA	NA	NA	NA	200	110	148	NA	NA	NA	<1	<1	1	1		
SR4	23/7/2019	Mid-Ebb	Fine	Moderate	14:18	4	S	1	2	3	0.22	0.22	0.017	0.017	0.017	NA	NA	NA	NA	NA	NA	110	148	133	NA	NA	NA	<1	<1	1	1		
SR4	23/7/2019	Mid-Ebb	Fine	Moderate	14:18	4	S	1	3	3	0.22	0.22	0.017	0.017	0.017	NA	NA	NA	NA	NA	NA	110	148	133	NA	NA	NA	<1	<1	1	1		
SR4	23/7/2019	Mid-Ebb	Fine	Moderate	14:18	4	M	1	1	1	NA	NA	0.22	0.22	0.017	NA	NA	NA	NA	NA	NA	NA	NA	133	NA	NA	NA	NA	NA	NA	NA		
SR4	23/7/2019	Mid-Ebb	Fine	Moderate	14:18	4	M	2	2	2	NA	NA	0.22	0.22	0.017	NA	NA	NA	NA	NA	NA	NA	NA	130	NA	NA	NA	NA	NA	NA	NA		
SR4	23/7/2019	Mid-Ebb	Fine	Moderate	14:18	4	B	3	2	3	0.22	0.22	0.017	0.017	0.017	NA	NA	NA	NA	NA	NA	110	120	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	23/7/2019	Mid-Ebb	Fine	Moderate	14:18	4	B	3	3	3	0.21	0.22	0.017	0.017	0.017	NA	NA	NA	NA	NA	NA	110	120	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:02	11	S	1	1	2	NA	NA	NA	NA	NA	0.12	0.57	0.04	0.73	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:02	11	S	1	2	3	NA	NA	NA	NA	NA	0.11	0.57	0.03	0.71	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:02	11	S	1	3	3	NA	NA	NA	NA	NA	0.11	0.57	0.03	0.71	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:02	11	M	5.5	1	2	NA	NA	NA	NA	NA	0.11	0.57	0.03	0.71	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:02	11	M	5.5	2	3	NA	NA	NA	NA	NA	0.15	0.56	0.04	0.75	0.72	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:02	11	M	5.5	3	3	NA	NA	NA	NA	NA	0.11	0.57	0.03	0.71	0.72	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:02	11	B	10	1	3	NA	NA	NA	NA	NA	0.12	0.56	0.04	0.72	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:02	11	B	10	2	3	NA	NA	NA	NA	NA	0.11	0.57	0.03	0.71	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	23/7/2019	Mid-Ebb	Cloudy	Moderate	13:02	11	B	10	3	3	NA	NA	NA	NA	NA	0.11	0.57	0.04	0.72	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	23/7/2019	Mid-Ebb	Fine	Moderate	14:40	15	S	1	1	3	0.27	0.26	0.019	0.017	0.018	NA	NA	NA	NA	NA	NA	650	700	675	NA	NA	NA	<1	<1	1	1		
SR12	23/7/2019	Mid-Ebb	Fine	Moderate	14:40	15	S	1	2	3	0.25	0.26	0.017	0.017	0.018	NA	NA	NA	NA	NA	NA	700	675	499	NA	NA	NA	<1	<1	1	1		
SR12	23/7/2019	Mid-Ebb	Fine	Moderate	14:40	15	S	1	3	3	0.27	0.26	0.019	0.017	0.018	NA	NA	NA	NA	NA	NA	330	460	390	NA	NA	NA	1	1	1	1		
SR12	23/7/2019	Mid-Ebb	Fine	Moderate	14:40	15	M	7.5	1	3	0.27	0.24	0.019	0.015	0.017	NA	NA	NA	NA	NA	NA	460	390	499	NA	NA	NA	1	1	1	1		
SR12	23/7/2019	Mid-Ebb	Fine	Moderate	14:40	15	M	7.5	3	3	0.21	0.24	0.015	0.017	0.018	NA	NA	NA	NA	NA	NA	390	499	499	NA	NA	NA	1	1	1	1		
SR12	23/7/2019	Mid-Ebb	Fine	Moderate	14:40	15	B	14	1	3	0.27	0.26	0.019	0.018	0.018	NA	NA	NA	NA	NA	NA	420	530	472	NA	NA	NA	1	1	1	1		
SR12	23/7/2019	Mid-Ebb	Fine	Moderate	14:40	15	B	14	2	3	0.25	0.26	0.018	0.018	0.018	NA	NA	NA	NA	NA	NA	530	472	472	NA	NA	NA	1	1	1	1		
SR12	23/7/2019	Mid-Ebb	Fine	Moderate	14:40	15	B	14	3	3	0.25	0.26	0.018	0.018	0.018	NA	NA	NA	NA	NA	NA	472	472	472	NA	NA	NA	1	1	1	1		
SR13	23/7/2019	Mid-Ebb	Fine	Moderate	15:02	14	S	1	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	23/7/2019	Mid-Ebb	Fine	Moderate	15:02	14	S	1	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	23/7/2019	Mid-Ebb	Fine	Moderate	15:02	14	S	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	23/7/2019	Mid-Ebb	Fine	Moderate	15:02	14	M	7	1	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	23/7/2019	Mid-Ebb	Fine	Moderate	15:02	14	M	7	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	23/7/2019	Mid-Ebb	Fine	Moderate	15:02	14	M	7	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	23/7/2019	Mid-Ebb	Fine	Moderate	15:02	14	B	13	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	23/7/2019	Mid-Ebb	Fine	Moderate	15:02	14	B	13	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	23/7/2019	Mid-Ebb	Fine	Moderate	15:02	14	B	13	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	23/7/2019	Mid-Ebb	Fine	Moderate	15:02	14	B	13	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																												
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)							
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.			
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	S	1	1	8.32	8.32	17.61	17.62	28.30	28.31	99.1	99.0	7.07	7.06	7.07	1.9	1.9	1.9	0.12	0.13	0.13	0.014	0.015	0.015	0.12	0.13	0.13	0.06	0.06	0.06	0.92	0.92	0.92
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	S	1	3												6.81	1.6	1.6	0.12	0.12	0.12	0.014	0.014	0.014	0.12	0.12	0.12	0.06	0.06	0.06	0.92	0.92	0.92
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	M	14.5	1	8.31	8.31	18.18	18.19	28.12	28.13	92.7	92.6	6.56	6.55	6.56	1.6	1.6	1.6	0.12	0.12	0.12	0.014	0.014	0.014	0.12	0.12	0.12	0.06	0.06	0.06	0.92	0.92	0.92
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	M	14.5	2	8.31	8.31	18.20	18.19	28.14	28.13	92.6	92.6	6.55	6.56	6.56	1.6	1.6	1.6	0.12	0.12	0.12	0.014	0.014	0.014	0.12	0.12	0.12	0.06	0.06	0.06	0.92	0.92	0.92
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	M	14.5	3																													
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	B	28	1	8.25	8.25	21.80	21.81	27.56	27.57	79.6	79.5	5.56	5.55	5.56	1.3	1.3	1.3	0.11	0.11	0.11	0.010	0.010	0.010	0.11	0.11	0.11	0.07	0.07	0.07	0.92	0.92	0.92
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	B	28	2	8.25	8.25	21.82	21.81	27.58	27.57	79.5	79.6	5.55	5.56	5.56	1.3	1.3	1.3	0.11	0.11	0.11	0.010	0.010	0.010	0.11	0.11	0.11	0.07	0.07	0.07	0.92	0.92	0.92
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	B	28	3																													
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	S	1	1	8.45	8.45	25.36	25.37	27.41	27.42	118.4	118.3	8.05	8.04	8.05	1.4	1.4	1.4	0.16	0.17	0.17	0.022	0.023	0.022	0.16	0.17	0.17	0.02	0.02	0.02	0.39	0.40	0.40
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	S	1	2	8.44	8.45	25.38	25.37	27.42	27.42	118.3	118.4	8.04	8.05	8.05	1.4	1.4	1.4	0.16	0.17	0.17	0.022	0.023	0.022	0.16	0.17	0.17	0.02	0.02	0.02	0.39	0.40	0.40
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	S	1	3																													
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	M	7	1	8.27	8.27	27.50	27.51	26.48	26.48	79.2	79.1	5.38	5.37	5.38	2.1	2.1	2.1	0.15	0.15	0.15	0.013	0.013	0.013	0.15	0.15	0.15	0.03	0.03	0.03	0.36	0.36	0.36
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	M	7	2	8.27	8.27	27.52	27.51	26.48	26.48	79.1	79.2	5.37	5.38	5.38	2.1	2.1	2.1	0.15	0.15	0.15	0.013	0.013	0.013	0.15	0.15	0.15	0.03	0.03	0.03	0.36	0.36	0.36
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	M	7	3																													
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	B	13	1	8.25	8.25	30.08	30.09	25.48	25.49	56.3	56.4	3.89	3.90	3.90	3.2	3.2	3.2	0.17	0.17	0.17	0.013	0.013	0.013	0.17	0.17	0.17	0.03	0.03	0.03	0.32	0.32	0.32
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	B	13	2	8.24	8.25	30.10	30.09	25.50	25.49	56.4	56.3	3.90	3.89	3.90	3.2	3.2	3.2	0.17	0.17	0.17	0.013	0.013	0.013	0.17	0.17	0.17	0.03	0.03	0.03	0.32	0.32	0.32
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	B	13	3																													
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	S	1	1	8.31	8.31	20.35	20.36	27.87	27.88	92.5	92.6	6.48	6.49	6.49	1.6	1.6	1.6	NA	NA	NA	NA	NA	NA	0.12	0.12	0.12	0.40	0.40	0.40	0.57	0.57	0.57
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	S	1	2	8.31	8.31	20.37	20.36	27.88	27.88	92.6	92.6	6.49	6.49	6.49	1.6	1.6	1.6	NA	NA	NA	NA	NA	NA	0.12	0.12	0.12	0.40	0.40	0.40	0.57	0.57	0.57
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	S	1	3																													
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	M	6.5	1	8.31	8.31	21.21	21.22	27.65	27.66	89.3	89.2	6.24	6.23	6.24	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	0.12	0.12	0.12	0.45	0.45	0.45	0.63	0.62	0.62
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	M	6.5	2	8.31	8.31	21.22	21.22	27.66	27.66	89.2	89.3	6.23	6.24	6.24	1.6	1.6	1.6	NA	NA	NA	NA	NA	NA	0.12	0.12	0.12	0.45	0.45	0.45	0.62	0.63	0.63
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	M	6.5	3																													
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	B	12	1	8.28	8.28	23.70	23.71	27.38	27.39	84.3	84.2	5.95	5.94	5.95	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	0.12	0.12	0.12	0.46	0.46	0.46	0.64	0.64	0.64
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	B	12	2	8.28	8.28	23.72	23.71	27.39	27.39	84.2	84.3	5.94	5.95	5.95	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	0.12	0.12	0.12	0.45	0.45	0.45	0.63	0.63	0.63
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	B	12	3																													
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	S	1	1	8.31	8.31	19.86	19.87	28.01	28.02	94.1	94.0	6.59	6.58	6.59	1.4	1.4	1.4	0.13	0.13	0.13	0.014	0.014	0.014	0.13	0.13	0.13	0.06	0.06	0.06	NA	NA	NA
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	S	1	2	8.31	8.31	19.87	19.87	28.02	28.02	94.0	94.1	6.58	6.59	6.59	1.4	1.4	1.4	0.13	0.13	0.13	0.014	0.014	0.014	0.13	0.13	0.13	0.06	0.06	0.06	NA	NA	NA
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	S	1	3																													
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	M	5	1	8.30	8.30	20.87	20.87	27.70	27.71	89.0	89.1	6.24	6.23	6.24	1.5	1.5	1.5	0.13	0.13	0.13	0.014	0.014	0.014	0.13	0.13	0.13	0.06	0.06	0.06	NA	NA	NA
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	M	5	2	8.30	8.30	20.87	20.87	27.72	27.71	89.1	89.0	6.23	6.24	6.24	1.5	1.5	1.5	0.13	0.13	0.13	0.014	0.014	0.014	0.13	0.13	0.13	0.06	0.06	0.06	NA	NA	NA
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	M	5	3																													
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	B	9	1	8.29	8.29	21.01	21.02	27.65	27.66	87.3	87.2	6.11	6.09	6.10	1.5	1.5	1.5	0.13	0.13	0.13	0.013	0.013	0.013	0.13	0.13	0.13	0.06	0.06	0.06	NA	NA	NA
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	B	9	2	8.29	8.29	21.03	21.02	27.67	27.66	87.2	87.3	6.09	6.10	6.10	1.5	1.5	1.5	0.13	0.13	0.13	0.013	0.013	0.013	0.13	0.13	0.13	0.06	0.06	0.06	NA	NA	NA
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	B	9	3																													
SR3	25/7/2019	Mid-Flood	Fine	Moderate	10:27	9	S	1	1	8.27	8.27	19.84	19.85	27.99	27.98	91.0	91.1																					

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																									
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)		
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	S	1	1	8.31	23.27	23.28	27.30	27.31	90.7	90.6	6.31	6.31	1.3	1.3	0.15	0.15	0.15	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA			
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	S	1	2	8.31	23.28	23.28	27.32	27.31	90.6	90.7	6.30	6.31	1.3	1.3	0.15	0.15	0.15	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA			
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	S	1	3																	NA	NA	NA	NA	NA	NA				
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	M		1																	NA	NA	NA	NA	NA	NA				
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	M		2																	NA	NA	NA	NA	NA	NA				
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	M		3																	NA	NA	NA	NA	NA	NA				
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	B	4	1	8.30	23.51	23.52	27.27	27.28	90.0	90.1	6.33	6.34	1.3	1.3	0.16	0.16	0.16	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA			
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	B	4	2	8.30	23.53	23.52	27.28	27.28	90.1	90.1	6.34	6.34	1.4	1.3	0.16	0.16	0.16	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA			
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	B	4	3																	NA	NA	NA	NA	NA	NA				
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	S	1	1	8.31	16.93	16.94	28.49	28.50	100.7	100.6	7.12	7.11	1.7	1.8	1.7	1.7	1.7	NA	NA	NA	0.09	0.52	0.06	0.67	0.67				
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	S	1	2	8.31	16.95	16.94	28.51	28.50	100.6	100.6	7.11	7.12	1.8	1.7	1.7	1.7	1.7	NA	NA	NA	0.09	0.52	0.06	0.67	0.67				
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	S	1	3																	NA	NA	NA	NA	NA	NA				
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	M	6	1	8.27	18.02	18.03	28.19	28.20	93.1	93.1	6.57	6.57	1.7	1.7	1.7	1.7	1.7	NA	NA	NA	0.09	0.53	0.06	0.68	0.68				
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	M	6	2	8.27	18.04	18.03	28.20	28.20	93.0	93.1	6.56	6.57	1.7	1.7	1.7	1.7	1.7	NA	NA	NA	0.09	0.53	0.06	0.68	0.68				
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	M	6	3																	NA	NA	NA	NA	NA	NA				
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	B	11	1	8.24	21.66	21.67	27.50	27.51	78.9	78.8	5.52	5.51	1.2	1.2	1.2	1.2	1.2	NA	NA	NA	0.10	0.53	0.07	0.70	0.71				
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	B	11	2	8.24	21.68	21.67	27.51	27.51	78.8	78.8	5.51	5.51	1.2	1.2	1.2	1.2	1.2	NA	NA	NA	0.11	0.54	0.07	0.72	0.72				
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	B	11	3																	NA	NA	NA	NA	NA	NA				
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	S	1	1	8.28	24.68	24.69	27.10	27.11	86.5	86.5	6.03	6.02	1.3	1.3	1.3	1.3	1.3	0.015	0.015	0.015	NA	NA	NA	NA	NA				
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	S	1	2	8.28	24.70	24.69	27.12	27.11	86.4	86.5	6.02	6.03	1.3	1.3	1.3	1.3	1.3	0.015	0.015	0.015	NA	NA	NA	NA	NA	NA			
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	S	1	3																	NA	NA	NA	NA	NA	NA				
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	M	8	1	8.27	25.02	25.03	26.08	26.09	81.2	81.2	5.60	5.59	1.3	1.3	1.3	1.3	1.3	0.014	0.014	0.014	NA	NA	NA	NA	NA	NA			
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	M	8	2	8.26	25.04	25.03	26.09	26.09	81.1	81.2	5.59	5.60	1.3	1.3	1.3	1.3	1.3	0.014	0.014	0.014	NA	NA	NA	NA	NA	NA			
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	M	8	3																	NA	NA	NA	NA	NA	NA				
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	B	15	1	8.24	27.25	27.26	26.23	26.24	76.2	76.2	5.22	5.21	1.4	1.4	1.4	1.4	1.4	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA			
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	B	15	2	8.23	27.27	27.26	26.24	26.24	76.1	76.2	5.21	5.22	1.4	1.4	1.4	1.4	1.4	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA			
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	B	15	3																	NA	NA	NA	NA	NA	NA				
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	S	1	1	8.27	26.16	26.22	27.03	27.04	86.2	86.2	5.86	5.85	1.2	1.2	1.2	1.2	1.2	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	S	1	2	8.27	26.28	26.22	27.05	27.04	86.1	86.2	5.85	5.86	1.2	1.2	1.2	1.2	1.2	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	S	1	3																	NA	NA	NA	NA	NA	NA				
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	M	7.5	1	8.27	28.19	28.20	26.29	26.30	74.1	74.1	5.26	5.25	1.5	1.6	1.6	1.6	1.6	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	M	7.5	2	8.27	28.21	28.20	26.30	26.30	74.0	74.1	5.25	5.26	1.6	1.6	1.6	1.6	1.6	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	M	7.5	3																	NA	NA	NA	NA	NA	NA				
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	B	14	1	8.20	29.41	29.42	25.62	25.63	58.5	58.6	4.11	4.12	1.8	1.8	1.8	1.8	1.8	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	B	14	2	8.21	29.43	29.42	25.64	25.63	58.6	58.6	4.12	4.12	1.8	1.8	1.8	1.8	1.8	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	B	14	3																	NA	NA	NA	NA	NA	NA				

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	S	1	1	5	0.09			0.011			0.09	0.74	0.06	0.89				43			NA			2			
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	S	1	2	5	0.14	0.12		0.016	0.013		0.14	0.72	0.06	0.92	0.90			60	51		NA	NA	2	2			
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	S	1	3							0.09	0.73	0.06	0.88							NA	NA						
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	M	14.5	1	4	0.12			0.014			0.12	0.74	0.06	0.92	0.91			58			NA		2				
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	M	14.5	2	4	0.11	0.12		0.012			0.11	0.73	0.06	0.90	0.90			46	52		NA	NA	2	2			
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	M	14.5	3							0.11	0.74	0.06	0.91							NA							
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	B	28	1	5	0.10			0.009			0.10	0.74	0.05	0.89						NA		1					
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	B	28	2	6	0.10	0.10		0.009	0.009		0.10	0.74	0.06	0.90	0.90			52	55		NA	NA	2	1			
C1A	25/7/2019	Mid-Flood	Fine	Moderate	9:16	29	B	28	3							0.10	0.74	0.06	0.90							NA							
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	S	1	1	7	0.16			0.022			0.16	0.21	0.02	0.39						NA		2					
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	S	1	2	7	0.16	0.16		0.022	0.022		0.16	0.20	0.02	0.38	0.38			210	220		NA	NA	2	2			
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	S	1	3							0.15	0.20	0.02	0.37							NA							
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	M	7	1	6	0.14			0.012			0.14	0.17	0.02	0.33						NA		2					
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	M	7	2	6	0.16	0.15		0.014	0.013		0.16	0.15	0.02	0.33	0.32			46			NA		2				
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	M	7	3							0.16	0.15	0.02	0.30							NA		2	2				
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	B	13	1	7	0.16			0.012			0.16	0.13	0.02	0.31						NA		2					
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	B	13	2	6	0.16	0.16		0.012	0.012		0.16	0.11	0.02	0.29	0.28			420	361		NA	NA	2	2			
C2A	25/7/2019	Mid-Flood	Fine	Moderate	11:36	14	B	13	3							0.13	0.08	0.02	0.23							NA							
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	S	1	1	5	NA	NA		NA	NA		0.11	0.39	0.05	0.55	0.56			NA	NA	NA	NA	NA	NA	NA			
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	S	1	2	5	NA	NA		NA	NA		0.10	0.40	0.05	0.55						NA	NA	NA	NA	NA			
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	S	1	3							0.11	0.41	0.05	0.57							NA	NA	NA	NA	NA			
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	M	6.5	1	5	NA	NA		NA	NA		0.11	0.43	0.05	0.59	0.60			NA	NA	NA	NA	NA	NA	NA			
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	M	6.5	2	4	NA	NA		NA	NA		0.11	0.45	0.05	0.61						NA	NA	NA	NA	NA			
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	M	6.5	3							0.11	0.44	0.05	0.60							NA	NA	NA	NA	NA			
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	B	12	1	5	NA	NA		NA	NA		0.12	0.43	0.05	0.60	0.63			NA	NA	NA	NA	NA	NA	NA			
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	B	12	2	5	NA	NA		NA	NA		0.10	0.45	0.05	0.60						NA	NA	NA	NA	NA			
G2	25/7/2019	Mid-Flood	Fine	Moderate	10:13	13	B	12	3							0.11	0.57	<0.01	0.68							NA	NA	NA	NA	NA			
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	S	1	1	4	0.12			0.013			NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	S	1	2	4	0.12	0.12		0.013	0.013		NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	S	1	3							NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	M	5	1	4	0.12			0.013			NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	M	5	2	5	0.13	0.13		0.014	0.013		NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	M	5	3							NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	B	9	1	5	0.12			0.012			NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	B	9	2	4	0.12	0.12		0.012	0.012		NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR2	25/7/2019	Mid-Flood	Fine	Moderate	9:58	10	B	9	3							NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR3	25/7/2019	Mid-Flood	Fine	Moderate	10:27	9	S	1	1	4	0.15			0.015			NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR3	25/7/2019	Mid-Flood	Fine	Moderate	10:27	9	S	1	2	5	0.13	0.14		0.013	0.014		NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR3	25/7/2019	Mid-Flood	Fine	Moderate	10:27	9	S	1	3							NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR3	25/7/2019	Mid-Flood	Fine	Moderate	10:27	9	M	4.5	1	5	0.13			0.012			NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR3	25/7/2019	Mid-Flood	Fine	Moderate	10:27	9	M	4.5	2	5	0.14	0.14		0.013	0.013		NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR3	25/7/2019	Mid-Flood	Fine	Moderate	10:27	9	M	4.5	3							NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR3	25/7/2019	Mid-Flood	Fine	Moderate	10:27	9	B	8	1	5	0.15			0.014			NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR3	25/7/2019	Mid-Flood	Fine	Moderate	10:27	9	B	8	2	5	0.16	0.16		0.014	0.014		NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			
SR3	25/7/2019	Mid-Flood	Fine	Moderate	10:27	9	B	8	3							NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA			

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	S	1	1	5	0.15	0.15	0.15	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA	370	475	481	NA	NA	NA	1	1	1		
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	S	1	2	5	0.15	0.15	0.15	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA	610	475	481	NA	NA	NA	1	1	1		
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	S	1	3	5	0.15	0.15	0.15	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA	610	475	481	NA	NA	NA	1	1	1		
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	M	1	1	5	0.15	0.15	0.15	0.015	0.015	0.015	NA	NA	NA	NA	NA	NA	NA	NA	481	NA	NA	NA	NA	NA	1	1	
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	M	2	2	5	0.15	0.15	0.15	0.015	0.015	0.015	NA	NA	NA	NA	NA	NA	NA	NA	481	NA	NA	NA	NA	NA	1	1	
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	M	3	3	5	0.15	0.15	0.15	0.015	0.015	0.015	NA	NA	NA	NA	NA	NA	NA	NA	481	NA	NA	NA	NA	NA	1	1	
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	B	4	1	5	0.15	0.15	0.15	0.015	0.015	0.015	NA	NA	NA	NA	NA	NA	440	487	481	NA	NA	NA	1	1	1		
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	B	4	2	5	0.15	0.15	0.15	0.015	0.015	0.015	NA	NA	NA	NA	NA	NA	540	487	481	NA	NA	NA	1	1	1		
SR4	25/7/2019	Mid-Flood	Fine	Moderate	10:40	5	B	4	3	5	0.15	0.15	0.15	0.015	0.015	0.015	NA	NA	NA	NA	NA	NA	540	487	481	NA	NA	NA	1	1	1		
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	S	1	1	6	NA	NA	NA	NA	NA	NA	0.09	0.50	0.06	0.65	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	S	1	2	6	NA	NA	NA	NA	NA	NA	0.09	0.52	0.06	0.67	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	S	1	3	6	NA	NA	NA	NA	NA	NA	0.08	0.53	0.06	0.67	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	M	6	1	6	NA	NA	NA	NA	NA	NA	0.11	0.52	0.06	0.69	0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	M	6	2	6	NA	NA	NA	NA	NA	NA	0.08	0.52	0.06	0.66	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	M	6	3	6	NA	NA	NA	NA	NA	NA	0.11	0.53	0.06	0.70	0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	B	11	1	5	NA	NA	NA	NA	NA	NA	0.10	0.52	0.06	0.68	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	B	11	2	5	NA	NA	NA	NA	NA	NA	0.10	0.53	0.06	0.69	0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	25/7/2019	Mid-Flood	Fine	Moderate	9:37	12	B	11	3	5	NA	NA	NA	NA	NA	NA	0.08	0.54	0.06	0.68	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	S	1	1	4	0.14	0.15	0.15	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	560	417	566	NA	NA	NA	1	1	1		
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	S	1	2	3	0.16	0.15	0.15	0.015	0.014	0.014	NA	NA	NA	NA	NA	NA	310	417	566	NA	NA	NA	1	1	1		
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	S	1	3	4	0.16	0.15	0.15	0.014	0.013	0.013	NA	NA	NA	NA	NA	NA	680	577	566	NA	NA	NA	1	1	1		
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	M	8	1	4	0.14	0.15	0.15	0.012	0.013	0.013	NA	NA	NA	NA	NA	NA	490	577	566	NA	NA	NA	1	1	1		
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	M	8	2	4	0.16	0.15	0.15	0.014	0.013	0.013	NA	NA	NA	NA	NA	NA	680	577	566	NA	NA	NA	1	1	1		
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	M	8	3	4	0.16	0.15	0.15	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	680	577	566	NA	NA	NA	1	1	1		
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	B	15	1	3	0.16	0.16	0.16	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	570	755	755	NA	NA	NA	1	1	1		
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	B	15	2	3	0.16	0.16	0.16	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	1000	755	755	NA	NA	NA	2	1	1		
SR12	25/7/2019	Mid-Flood	Fine	Moderate	11:05	16	B	15	3	3	0.16	0.16	0.16	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	1000	755	755	NA	NA	NA	2	1	1		
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	S	1	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	S	1	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	S	1	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	M	7.5	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	M	7.5	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	M	7.5	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	B	14	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	B	14	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	25/7/2019	Mid-Flood	Fine	Moderate	11:18	15	B	14	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																										
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)					
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	S	1	1	8.34	8.34	17.40	17.41	28.41	28.42	98.4	98.3	98.4	98.4	6.93	6.92	6.93	1.7	1.6	1.6	0.11	0.11	0.11	0.014	0.014	0.014	0.11	0.55	0.06	0.72	0.72
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	S	1	3	8.34	8.34	17.41	17.41	28.43	28.42	98.3	98.4	98.3	98.4	6.93	6.92	6.93	1.6	1.6	1.6	0.11	0.11	0.11	0.014	0.014	0.014	0.11	0.54	0.06	0.71	0.72
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	S	1	3	8.34	8.34	17.41	17.41	28.43	28.42	98.3	98.4	98.3	98.4	6.93	6.92	6.93	1.6	1.6	1.6	0.11	0.11	0.11	0.014	0.014	0.014	0.11	0.56	0.06	0.74	0.74
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	M	14	1	8.30	8.30	17.83	17.84	28.25	28.26	91.6	91.6	91.5	91.6	6.45	6.44	6.45	1.8	1.8	1.8	0.11	0.12	0.12	0.012	0.013	0.013	0.12	0.57	0.06	0.75	0.74
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	M	14	2	8.30	8.30	17.85	17.84	28.26	28.26	91.5	91.6	91.5	91.6	6.44	6.44	6.45	1.8	1.8	1.8	0.11	0.12	0.12	0.012	0.013	0.013	0.12	0.57	0.06	0.75	0.74
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	M	14	3	8.30	8.30	17.85	17.84	28.26	28.26	91.5	91.6	91.5	91.6	6.44	6.44	6.45	1.8	1.8	1.8	0.11	0.12	0.12	0.012	0.013	0.013	0.12	0.57	0.06	0.75	0.74
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	B	27	1	8.28	8.28	21.12	21.13	27.87	27.88	80.8	80.8	80.7	80.8	5.67	5.66	5.67	1.2	1.2	1.2	0.12	0.12	0.12	0.012	0.012	0.012	0.12	0.57	0.07	0.76	0.75
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	B	27	2	8.28	8.28	21.14	21.13	27.88	27.88	80.7	80.8	80.7	80.8	5.66	5.66	5.67	1.2	1.2	1.2	0.11	0.12	0.12	0.011	0.012	0.012	0.11	0.57	0.07	0.75	0.75
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	B	27	3	8.28	8.28	21.14	21.13	27.88	27.88	80.7	80.8	80.7	80.8	5.66	5.66	5.67	1.2	1.2	1.2	0.11	0.12	0.12	0.011	0.012	0.012	0.11	0.57	0.07	0.75	0.75
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	S	1	1	8.48	8.48	25.34	25.35	27.54	27.57	120.4	120.4	120.3	120.4	8.25	8.24	8.25	1.5	1.5	1.5	0.16	0.16	0.16	0.023	0.023	0.023	0.16	0.12	0.02	0.30	0.29
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	S	1	2	8.47	8.48	25.34	25.35	27.60	27.57	120.3	120.4	120.3	120.4	8.24	8.25	8.25	1.5	1.5	1.5	0.16	0.16	0.16	0.023	0.023	0.023	0.16	0.11	0.02	0.29	0.29
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	S	1	3	8.48	8.48	25.34	25.35	27.60	27.57	120.3	120.4	120.3	120.4	8.24	8.25	8.25	1.5	1.5	1.5	0.16	0.16	0.16	0.023	0.023	0.023	0.16	0.10	0.02	0.28	0.27
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	M	6.5	1	8.26	8.26	27.41	27.42	26.52	26.54	81.2	81.2	81.2	81.2	5.58	5.58	5.53	2.1	2.1	2.1	0.17	0.18	0.18	0.015	0.015	0.015	0.17	0.07	0.03	0.27	0.27
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	M	6.5	2	8.25	8.26	27.42	27.42	26.56	26.54	81.1	81.2	81.1	81.2	5.48	5.48	5.53	2.1	2.1	2.1	0.18	0.18	0.18	0.015	0.015	0.015	0.18	0.07	0.03	0.28	0.27
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	M	6.5	3	8.26	8.26	27.42	27.42	26.56	26.54	81.1	81.2	81.1	81.2	5.48	5.48	5.53	2.1	2.1	2.1	0.18	0.18	0.18	0.015	0.015	0.015	0.18	0.07	0.03	0.28	0.27
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	B	12	1	8.24	8.24	30.12	30.13	25.44	25.45	54.3	54.3	54.3	54.3	3.69	3.68	3.69	3.3	3.3	3.3	0.16	0.16	0.16	0.012	0.012	0.012	0.16	0.06	0.03	0.25	0.25
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	B	12	2	8.23	8.24	30.14	30.13	25.46	25.45	54.2	54.3	54.2	54.3	3.68	3.68	3.69	3.3	3.3	3.3	0.16	0.16	0.16	0.012	0.012	0.012	0.16	0.07	0.03	0.26	0.25
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	B	12	3	8.24	8.24	30.14	30.13	25.46	25.45	54.2	54.3	54.2	54.3	3.68	3.68	3.69	3.3	3.3	3.3	0.16	0.16	0.16	0.012	0.012	0.012	0.15	0.06	0.03	0.24	0.24
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	S	1	1	8.31	8.41	19.88	19.88	28.46	28.47	100.3	100.3	100.2	100.3	7.05	7.04	7.05	1.6	1.6	1.6	NA	NA	NA	NA	NA	NA	0.14	0.33	0.05	0.52	0.52
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	S	1	2	8.50	8.41	19.87	19.88	28.48	28.47	100.2	100.3	100.2	100.3	7.04	7.04	7.05	1.6	1.6	1.6	NA	NA	NA	NA	NA	NA	0.13	0.34	0.05	0.52	0.52
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	S	1	3	8.50	8.41	19.87	19.88	28.48	28.47	100.2	100.3	100.2	100.3	7.04	7.04	7.05	1.6	1.6	1.6	NA	NA	NA	NA	NA	NA	0.13	0.33	0.05	0.51	0.51
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	M	6	1	8.31	8.31	19.85	19.71	28.74	28.75	96.3	96.3	96.2	96.3	6.71	6.70	6.71	1.4	1.4	1.4	NA	NA	NA	NA	NA	NA	0.15	0.36	0.05	0.54	0.54
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	M	6	2	8.31	8.31	19.56	19.71	28.76	28.75	96.2	96.2	96.2	96.3	6.70	6.70	6.71	1.4	1.4	1.4	NA	NA	NA	NA	NA	NA	0.13	0.36	0.05	0.54	0.54
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	M	6	3	8.31	8.31	19.56	19.71	28.76	28.75	96.2	96.2	96.2	96.3	6.70	6.70	6.71	1.4	1.4	1.4	NA	NA	NA	NA	NA	NA	0.13	0.36	0.05	0.54	0.54
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	B	11	1	8.31	8.31	21.58	21.59	27.55	27.56	87.9	87.9	87.9	87.9	6.15	6.14	6.15	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	0.13	0.37	0.06	0.56	0.57
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	B	11	2	8.31	8.31	21.60	21.59	27.56	27.56	87.8	87.8	87.8	87.9	6.14	6.14	6.15	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	0.14	0.37	0.06	0.57	0.57
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	B	11	3	8.31	8.31	21.60	21.59	27.56	27.56	87.8	87.8	87.8	87.9	6.14	6.14	6.15	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	0.14	0.37	0.06	0.57	0.57
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	S	1	1	8.31	8.31	19.87	19.88	25.02	25.02	94.0	94.1	94.1	94.1	6.56	6.59	6.58	1.5	1.5	1.5	0.13	0.13	0.13	0.012	0.012	0.012	NA	NA	NA	NA	NA
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	S	1	2	8.31	8.31	19.88	19.88	25.01	25.02	94.1	94.1	94.1	94.1	6.59	6.59	6.58	1.5	1.5	1.5	0.13	0.13	0.13	0.012	0.012	0.012	NA	NA	NA	NA	NA
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	S	1	3	8.31	8.31	19.88	19.88	25.01	25.02	94.1	94.1	94.1	94.1	6.59	6.59	6.58	1.5	1.5	1.5	0.13	0.13	0.13	0.012	0.012	0.012	NA	NA	NA	NA	NA
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	M	4.5	1	8.31	8.31	20.69	20.70	27.76	27.76	89.5	89.5	89.5	89.5	6.26	6.25	6.26	1.4	1.4	1.4	0.13	0.13	0.13	0.014	0.014	0.014	NA	NA	NA	NA	NA
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	M	4.5	2	8.31	8.31	20.70	20.70	27.75	27.76	89.4	89.5	89.4	89.5	6.25	6.25	6.26	1.4	1.4	1.4	0.13	0.13	0.13	0.014	0.014	0.014	NA	NA	NA	NA	NA
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	M	4.5	3	8.31	8.31	20.70	20.70	27.75	27.76	89.4	89.5	89.4	89.5	6.25	6.25	6.26	1.4	1.4	1.4	0.13	0.13	0.13								

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																								
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)		Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)		
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	S	1	1	8.31	22.65	27.56	89.9	6.25	1.2	0.16	0.017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	S	1	2	8.31	22.67	27.58	89.8	6.24	1.2	0.16	0.017	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	S	1	3									NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	M		1									NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	M		2									NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	M		3									NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	B	3	1	8.31	22.81	27.40	89.3	6.22	1.3	0.15	0.016	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	B	3	2	8.31	22.83	27.42	89.2	6.12	1.3	0.15	0.016	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	B	3	3									NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	S	1	1	8.34	16.22	28.91	100.9	7.13	1.8	NA	NA	NA	NA	NA	NA	0.11	0.41	0.06	0.58									
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	S	1	2	8.34	16.24	28.92	100.8	7.12	1.8	NA	NA	NA	NA	NA	NA	0.12	0.41	0.06	0.59	0.59								
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	S	1	3									NA	NA	NA	NA	0.11	0.42	0.06	0.59									
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	M	5.5	1	8.33	17.71	28.31	95.7	6.75	1.6	NA	NA	NA	NA	NA	NA	0.13	0.43	0.07	0.63									
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	M	5.5	2	8.33	17.72	28.32	95.6	6.74	1.6	NA	NA	NA	NA	NA	NA	0.12	0.44	0.06	0.62	0.62								
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	M	5.5	3									NA	NA	NA	NA	0.12	0.43	0.06	0.61									
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	B	10	1	8.30	19.82	27.95	80.5	5.63	1.3	NA	NA	NA	NA	NA	NA	0.12	0.45	0.06	0.63	0.63								
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	B	10	2	8.30	19.84	27.96	80.4	5.62	1.3	NA	NA	NA	NA	NA	NA	0.12	0.45	0.06	0.63									
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	B	10	3									NA	NA	NA	NA	0.12	0.45	0.06	0.63									
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	S	1	1	8.31	24.41	27.08	85.5	5.93	1.2	0.17	0.017	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	S	1	2	8.30	24.43	27.09	85.4	5.92	1.3	0.17	0.017	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	S	1	3									NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	M	7.5	1	8.29	24.99	26.09	82.2	5.70	1.3	0.16	0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	M	7.5	2	8.29	25.01	26.11	82.1	5.69	1.3	0.16	0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	M	7.5	3									NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	B	14	1	8.27	25.34	26.78	78.2	5.42	1.4	0.16	0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	B	14	2	8.27	25.36	26.79	78.1	5.41	1.4	0.16	0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	B	14	3									NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	S	1	1	8.29	26.28	27.05	88.2	6.06	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	S	1	2	8.29	26.30	27.07	88.1	6.05	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	S	1	3									NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	M	7	1	8.29	28.38	26.26	75.1	5.16	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	M	7	2	8.28	28.40	26.28	75.0	5.15	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	M	7	3									NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	B	13	1	8.21	29.21	25.72	56.5	3.90	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	B	13	2	8.20	29.23	25.74	56.4	3.89	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	B	13	3									NA	NA	NA	NA	NA	NA	NA	NA	NA								

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	S	1	1	3	0.11			0.014			0.11	0.53	0.06	0.70				43			NA			1			
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	S	1	2	3	0.09	0.10		0.011	0.012		0.09	0.55	0.06	0.70	0.72			110	69		NA	NA	2	1			
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	S	1	3								0.17	0.53	0.06	0.76													
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	M	14	1	4	0.11			0.012			0.11	0.56	0.06	0.73				56			NA			2			
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	M	14	2	3	0.11	0.11	0.11	0.012	0.012	0.012	0.11	0.57	0.06	0.74	0.73			120	82	95	NA	NA	1	1		2	
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	M	14	3								0.11	0.56	0.06	0.73													
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	B	27	1	4	0.12			0.012			0.12	0.55	0.06	0.73				120			NA			2			
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	B	27	2	4	0.10	0.11		0.010	0.011		0.10	0.57	0.06	0.73	0.73			190	151		NA	NA	2	2			
C1A	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:11	28	B	27	3	4							0.10	0.57	0.06	0.73													
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	S	1	1	4	0.15			0.022			0.15	0.13	0.02	0.30				220			NA			2			
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	S	1	2	4	0.16	0.16		0.023	0.023		0.16	0.10	0.02	0.28	0.29			330	269		NA	NA	2	2			
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	S	1	3								0.19	0.07	0.02	0.28													
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	M	6.5	1	5	0.16			0.014			0.16	0.06	0.02	0.24				280			NA			2			
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	M	6.5	2	4	0.18	0.17	0.16	0.015	0.015	0.016	0.18	0.05	0.02	0.25	0.23			370	322	254	NA	NA	2	2		2	
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	M	6.5	3								0.15	0.04	0.02	0.21													
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	B	12	1	5	0.15			0.011			0.15	0.05	0.02	0.22				190			NA			2			
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	B	12	2	4	0.14	0.15		0.011	0.011		0.14	0.03	0.02	0.19	0.20			190	190		NA	NA	2	2			
C2A	25/7/2019	Mid-Ebb	Cloudy	Moderate	6:36	13	B	12	3								0.15	0.03	0.02	0.20													
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	S	1	1	5	NA			NA			0.14	0.32	0.05	0.51				NA			NA			NA			
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	S	1	2	5	NA	NA		NA	NA		0.12	0.32	0.05	0.49	0.50			NA	NA		NA	NA		NA	NA		
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	S	1	3								0.12	0.34	0.05	0.51													
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	M	6	1	4	NA			NA			0.14	0.35	0.05	0.54				NA			NA	NA		NA	NA		
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	M	6	2	4	NA	NA	NA	NA	NA		0.13	0.35	0.05	0.53	0.53			NA	NA	NA	NA	NA		NA	NA		
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	M	6	3								0.12	0.35	0.05	0.52													
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	B	11	1	5	NA			NA			0.12	0.36	0.05	0.53				NA			NA	NA		NA	NA		
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	B	11	2	5	NA	NA		NA	NA		0.14	0.36	0.05	0.55	0.54			NA	NA		NA	NA		NA	NA		
G2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:09	12	B	11	3								0.13	0.37	0.05	0.55													
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	S	1	1	4	0.12			0.011			NA	NA	NA	NA				NA			NA	NA		NA	NA		
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	S	1	2	4	0.12	0.12		0.011	0.011		NA	NA	NA	NA	NA			NA	NA	NA	NA	NA		NA	NA		
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	S	1	3								NA	NA	NA	NA													
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	M	4.5	1	4	0.12			0.013			NA	NA	NA	NA				NA			NA	NA		NA	NA		
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	M	4.5	2	5	0.14	0.13	0.13	0.013	0.014	0.013	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA		NA	NA		
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	M	4.5	3								NA	NA	NA	NA													
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	B	8	1	5	0.13			0.014			NA	NA	NA	NA				NA			NA	NA		NA	NA		
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	B	8	2	5	0.13	0.13		0.014	0.014		NA	NA	NA	NA	NA			NA	NA	NA	NA	NA		NA	NA		
SR2	25/7/2019	Mid-Ebb	Cloudy	Moderate	8:33	9	B	8	3								NA	NA	NA	NA													
SR3	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:54	8	S	1	1	5	0.14			0.016			NA	NA	NA	NA				NA			NA	NA		NA	NA		
SR3	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:54	8	S	1	2	5	0.14	0.14		0.016	0.016		NA	NA	NA	NA	NA			NA	NA	NA	NA	NA		NA	NA		
SR3	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:54	8	S	1	3								NA	NA	NA	NA													
SR3	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:54	8	M	4	1	4	0.16			0.014			NA	NA	NA	NA				NA			NA	NA		NA	NA		
SR3	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:54	8	M	4	2	5	0.15	0.16	0.15	0.013	0.013	0.014	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA		NA	NA		
SR3	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:54	8	M	4	3								NA	NA	NA	NA													
SR3	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:54	8	B	7	1	4	0.15			0.014			NA	NA	NA	NA				NA			NA	NA		NA	NA		
SR3	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:54	8	B	7	2	4	0.14	0.15		0.013	0.013		NA	NA	NA	NA	NA			NA	NA	NA	NA		NA	NA			
SR3	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:54	8	B	7	3								NA	NA	NA	NA													

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	S	1	1	4	0.16	0.15	0.017	0.015	0.016	NA	NA	NA	NA	NA	NA	520	549	250	NA	NA	NA	1	1	1			
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	S	1	2	3	0.13	0.15	0.014	0.015	0.016	NA	NA	NA	NA	NA	NA	580	549	250	NA	NA	NA	1	1	1			
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	S	1	3	4	0.16	0.15	0.017	0.015	0.016	NA	NA	NA	NA	NA	NA	580	549	250	NA	NA	NA	1	1	1			
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	M	1	1	1	0.16	0.15	0.017	0.015	0.016	NA	NA	NA	NA	NA	NA	580	549	250	NA	NA	NA	1	1	1			
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	M	2	2	2	0.16	0.15	0.017	0.015	0.016	NA	NA	NA	NA	NA	NA	580	549	250	NA	NA	NA	1	1	1			
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	M	3	3	3	0.16	0.15	0.017	0.015	0.016	NA	NA	NA	NA	NA	NA	580	549	250	NA	NA	NA	1	1	1			
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	B	3	1	4	0.14	0.15	0.015	0.016	0.016	NA	NA	NA	NA	NA	NA	29	114	250	NA	NA	NA	1	1	1			
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	B	3	2	4	0.16	0.15	0.017	0.016	0.016	NA	NA	NA	NA	NA	NA	450	114	250	NA	NA	NA	1	1	1			
SR4	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:40	4	B	3	3	3	0.16	0.15	0.017	0.016	0.016	NA	NA	NA	NA	NA	NA	450	114	250	NA	NA	NA	1	1	1			
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	S	1	1	5	NA	NA	NA	NA	NA	0.11	0.40	0.06	0.57	0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	S	1	2	4	NA	NA	NA	NA	NA	0.11	0.40	0.06	0.57	0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	S	1	3	3	NA	NA	NA	NA	NA	0.10	0.41	0.06	0.57	0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	M	5.5	1	5	NA	NA	NA	NA	NA	0.11	0.43	0.06	0.60	0.60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	M	5.5	2	5	NA	NA	NA	NA	NA	0.13	0.43	0.06	0.62	0.60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	M	5.5	3	3	NA	NA	NA	NA	NA	0.10	0.43	0.06	0.59	0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	B	10	1	4	NA	NA	NA	NA	NA	0.11	0.44	0.06	0.61	0.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	B	10	2	5	NA	NA	NA	NA	NA	0.11	0.44	0.05	0.60	0.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	25/7/2019	Mid-Ebb	Cloudy	Moderate	9:03	11	B	10	3	3	NA	NA	NA	NA	NA	0.11	0.45	0.06	0.62	0.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	S	1	1	4	0.14	0.16	0.014	0.016	0.014	NA	NA	NA	NA	NA	NA	500	458	567	NA	NA	NA	1	1	1			
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	S	1	2	3	0.17	0.16	0.017	0.016	0.014	NA	NA	NA	NA	NA	NA	420	458	567	NA	NA	NA	1	1	1			
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	S	1	3	3	0.16	0.16	0.016	0.014	0.014	NA	NA	NA	NA	NA	NA	590	806	567	NA	NA	NA	2	2	2			
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	M	7.5	1	4	0.15	0.16	0.014	0.014	0.014	NA	NA	NA	NA	NA	NA	1100	806	567	NA	NA	NA	2	2	2			
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	M	7.5	2	4	0.16	0.16	0.015	0.014	0.014	NA	NA	NA	NA	NA	NA	1100	806	567	NA	NA	NA	2	2	2			
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	M	7.5	3	3	0.16	0.15	0.015	0.014	0.014	NA	NA	NA	NA	NA	NA	1100	806	567	NA	NA	NA	2	2	2			
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	B	14	1	5	0.16	0.15	0.015	0.014	0.014	NA	NA	NA	NA	NA	NA	420	494	567	NA	NA	NA	3	3	3			
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	B	14	2	5	0.14	0.15	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	580	494	567	NA	NA	NA	3	3	3			
SR12	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:23	15	B	14	3	3	0.14	0.15	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	580	494	567	NA	NA	NA	3	3	3			
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	S	1	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	S	1	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	S	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	M	7	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	M	7	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	M	7	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	B	13	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	B	13	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	25/7/2019	Mid-Ebb	Cloudy	Moderate	7:05	14	B	13	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																									
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)		
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	S	1	1	8.22	8.22	28.36	28.36	25.95	25.96	78.2	78.2	5.42	5.41	5.37	2.5	2.5	3.1	0.27	0.27	0.27	0.021	0.021	0.020	0.27	0.16	0.03	0.46	0.46	
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	S	1	2	8.22	8.22	28.36	28.36	25.96	25.96	78.2	78.2	5.40	5.41	5.37	2.5	2.5	3.1	0.27	0.27	0.27	0.021	0.021	0.020	0.27	0.17	0.03	0.47	0.46	
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	S	1	3											5.37			3.1	0.27	0.27	0.27	0.021	0.021	0.020	0.27	0.16	0.03	0.46	0.46	
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	M	14	1	8.19	8.19	30.07	30.07	25.27	25.28	76.6	76.6	5.33	5.33	5.37	2.5	2.5	3.1	0.27	0.28	0.28	0.018	0.019	0.019	0.27	0.11	0.04	0.42	0.44	
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	M	14	2	8.19	8.19	30.07	30.07	25.28	25.28	76.6	76.6	5.33	5.33	5.37	2.5	2.5	3.1	0.27	0.28	0.28	0.018	0.019	0.019	0.27	0.13	0.04	0.45	0.44	
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	M	14	3											5.37			3.1	0.27	0.28	0.28	0.018	0.019	0.019	0.27	0.13	0.04	0.45	0.44	
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	B	27	1	8.18	8.18	30.42	30.42	25.02	25.03	74.6	74.6	5.17	5.17	5.37	4.5	4.5	3.1	0.31	0.31	0.31	0.020	0.020	0.020	0.31	0.17	0.04	0.52	0.51	
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	B	27	2	8.18	8.18	30.42	30.42	25.03	25.03	74.5	74.6	5.16	5.17	5.37	4.5	4.5	3.1	0.30	0.30	0.30	0.020	0.020	0.020	0.30	0.17	0.04	0.51	0.51	
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	B	27	3											5.37			3.1	0.30	0.30	0.30	0.020	0.020	0.020	0.30	0.16	0.04	0.51	0.51	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	S	1	1	8.39	8.39	26.06	26.06	28.19	28.19	110.4	110.4	7.70	7.70	5.65	2.0	2.0	2.4	0.27	0.26	0.27	0.034	0.033	0.034	0.27	0.16	0.04	0.47	0.46	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	S	1	2	8.39	8.39	26.04	26.05	28.19	28.19	110.4	110.4	7.70	7.70	5.65	2.0	2.0	2.4	0.26	0.26	0.27	0.033	0.033	0.034	0.26	0.15	0.04	0.45	0.46	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	S	1	3											5.65			2.4	0.26	0.26	0.27	0.033	0.033	0.034	0.26	0.15	0.04	0.46	0.46	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	M	6.5	1	8.29	8.29	28.68	28.70	25.73	25.73	52.4	52.5	3.60	3.61	5.65	2.5	2.5	2.4	0.25	0.25	0.25	0.022	0.022	0.022	0.25	0.15	0.04	0.44	0.45	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	M	6.5	2	8.29	8.29	28.71	28.70	25.73	25.73	52.5	52.5	3.61	3.61	5.65	2.5	2.5	2.4	0.25	0.25	0.25	0.022	0.022	0.022	0.25	0.16	0.04	0.45	0.45	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	M	6.5	3											5.65			2.4	0.25	0.25	0.25	0.022	0.022	0.022	0.25	0.16	0.04	0.45	0.45	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	B	12	1	8.17	8.17	31.28	31.30	25.09	25.10	40.3	40.3	2.81	2.81	5.65	2.8	2.8	2.4	0.27	0.27	0.27	0.017	0.017	0.017	0.27	0.15	0.04	0.46	0.45	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	B	12	2	8.17	8.17	31.32	31.30	25.10	25.10	40.3	40.3	2.81	2.81	5.65	2.8	2.8	2.4	0.27	0.27	0.27	0.017	0.017	0.017	0.27	0.14	0.04	0.45	0.45	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	B	12	3											5.65			2.4	0.27	0.27	0.27	0.017	0.017	0.017	0.27	0.14	0.04	0.45	0.45	
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	S	1	1	8.58	8.58	20.22	20.22	28.63	28.63	79.4	79.4	5.33	5.34	5.35	3.3	3.3	3.6	NA	NA	NA	NA	NA	NA	0.17	0.45	0.05	0.67	0.67	
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	S	1	2	8.58	8.58	20.22	20.22	28.63	28.63	79.4	79.4	5.35	5.34	5.35	3.3	3.3	3.6	NA	NA	NA	NA	NA	NA	0.18	0.45	0.04	0.67	0.67	
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	S	1	3											5.35			3.6	NA	NA	NA	NA	NA	0.18	0.45	0.05	0.68	0.67		
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	M	6	1	8.48	8.48	20.58	20.59	28.35	28.36	77.3	77.3	5.36	5.36	5.36	3.6	3.5	3.6	NA	NA	NA	NA	NA	0.21	0.48	0.06	0.73	0.72		
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	M	6	2	8.47	8.48	20.59	20.59	28.36	28.36	77.3	77.3	5.36	5.36	5.36	3.6	3.5	3.6	NA	NA	NA	NA	NA	0.20	0.48	0.05	0.71	0.72		
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	M	6	3											5.35			3.6	NA	NA	NA	NA	NA	0.20	0.48	0.06	0.73	0.73		
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	B	11	1	8.36	8.36	22.12	22.14	28.11	28.11	75.4	75.4	5.21	5.21	5.21	3.8	3.8	3.8	NA	NA	NA	NA	NA	0.19	0.48	0.06	0.73	0.73		
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	B	11	2	8.36	8.36	22.15	22.14	28.11	28.11	75.3	75.4	5.21	5.21	5.21	3.8	3.8	3.8	NA	NA	NA	NA	NA	0.20	0.48	0.06	0.74	0.73		
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	B	11	3											5.35			3.8	NA	NA	NA	NA	NA	0.19	0.47	0.06	0.72	0.72		
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	S	1	1	8.27	8.27	28.74	28.74	26.13	26.14	79.6	79.6	5.54	5.54	5.49	3.1	3.1	2.5	0.15	0.15	0.15	0.013	0.013	0.013	NA	NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	S	1	2	8.27	8.27	28.74	28.74	26.15	26.14	79.6	79.6	5.54	5.54	5.49	3.1	3.1	2.5	0.15	0.15	0.15	0.013	0.013	0.013	NA	NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	S	1	3											5.49			2.5	0.15	0.15	0.15	0.013	0.013	0.013	NA	NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	M	4.5	1	8.24	8.24	29.19	29.19	25.75	25.76	78.4	78.4	5.44	5.44	5.49	1.8	1.9	2.5	0.15	0.15	0.15	0.012	0.012	0.012	NA	NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	M	4.5	2	8.24	8.24	29.18	29.19	25.76	25.76	78.4	78.4	5.44	5.44	5.49	1.9	1.9	2.5	0.15	0.15	0.15	0.012	0.012	0.012	NA	NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	M	4.5	3											5.49			2.5	0.15	0.15	0.15	0.012	0.012	0.012	NA	NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	B	8	1	8.20	8.20	29.59	29.60	25.08	25.07	76.1	76.1	5.26	5.26	5.49	2.6	2.6	2.5	0.17	0.17	0.17	0.012	0.012	0.012	NA	NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	B	8	2	8.20	8.20	29.61	29.60	25.05	25.07	76.1	76.1	5.26	5.26	5.49	2.7	2.6	2.5	0.17	0.17	0.17	0.012	0.012	0.012	NA	NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	B	8	3											5.49			2.5	0.17	0.17	0.17	0.012	0.012	0.012	NA	NA	NA	NA	NA	
SR3	27/7/2019	Mid-Flood	Fine	Moderate	13:04	8	S	1	1	8.57	8.57	17.83	17.84	28.92	28.92	79.4	79.4	5.55	5.55	5.45	2.6	2.6	2.7	0.17	0.16	0.17	0.033	0.031	0.032	NA	NA	NA	NA	NA	
SR3	27/7/2019	Mid-Flood	Fine	Moderate	13:04	8	S	1																											

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	S	1	1	7	0.30			0.023			0.023			0.30	0.27	0.03	0.60				NA			3			
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	S	1	2	7	0.25	0.28		0.019	0.021				0.25	0.07	0.03	0.35	0.47			580	565		NA	NA	3	3	
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	S	1	3										0.27	0.16	0.04	0.47				550			NA	NA			
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	M	14	1	7	0.27			0.018					0.27	0.03	0.04	0.34	0.42			1000			NA	NA	3		
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	M	14	2	7	0.31	0.29		0.021	0.020				0.31	0.11	0.03	0.45	0.42			380	616	559	NA	NA	3	3	
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	M	14	3										0.29	0.14	0.04	0.47							NA	NA			
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	B	27	1	6	0.30			0.020					0.30	0.14	0.04	0.48	0.42			550			NA	NA	3		
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	B	27	2	7	0.32	0.31		0.021	0.020				0.32	0.17	0.04	0.53	0.50			460	503		NA	NA	4	4	
C1A	27/7/2019	Mid-Flood	Fine	Moderate	11:55	28	B	27	3										0.29	0.16	0.03	0.48							NA	NA			
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	S	1	1	8	0.27			0.034					0.27	0.17	0.03	0.47	0.41			380			NA	NA	4		
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	S	1	2	7	0.24	0.26		0.030	0.032				0.24	0.11	0.04	0.39	0.41			360	370		NA	NA	4	4	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	S	1	3										0.23	0.12	0.03	0.38							NA	NA			
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	M	6.5	1	7	0.24			0.021					0.24	0.15	0.03	0.42	0.43			360			NA	NA	4		
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	M	6.5	2	7	0.21	0.23		0.018	0.020	0.023			0.21	0.16	0.03	0.40	0.43			580	457	410	NA	NA	4	4	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	M	6.5	3										0.28	0.16	0.04	0.48							NA	NA			
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	B	12	1	7	0.27			0.017					0.27	0.14	0.04	0.45	0.42			440			NA	NA	5		
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	B	12	2	7	0.26	0.27		0.017	0.017				0.26	0.09	0.04	0.39	0.42			380	409		NA	NA	4	4	
C2A	27/7/2019	Mid-Flood	Fine	Moderate	14:13	13	B	12	3										0.27	0.11	0.04	0.42							NA	NA			
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	S	1	1	8	NA	NA		NA	NA				0.16	0.45	0.05	0.66	0.67			NA	NA		NA	NA	NA	NA	
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	S	1	2	8	NA	NA		NA	NA				0.16	0.44	0.05	0.65	0.67			NA	NA		NA	NA	NA	NA	
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	S	1	3										0.19	0.45	0.05	0.69							NA	NA			
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	M	6	1	7	NA	NA		NA	NA				0.20	0.46	0.05	0.71	0.71			NA	NA		NA	NA	NA	NA	
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	M	6	2	7	NA	NA		NA	NA				0.19	0.46	0.05	0.70	0.71			NA	NA		NA	NA	NA	NA	
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	M	6	3										0.19	0.48	0.05	0.72							NA	NA			
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	B	11	1	8	NA	NA		NA	NA				0.17	0.47	0.05	0.69	0.70			NA	NA		NA	NA	NA	NA	
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	B	11	2	8	NA	NA		NA	NA				0.17	0.47	0.05	0.69	0.70			NA	NA		NA	NA	NA	NA	
G2	27/7/2019	Mid-Flood	Fine	Moderate	12:50	12	B	11	3										0.18	0.48	0.05	0.71							NA	NA			
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	S	1	1	8	0.15	0.14		0.013					NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	S	1	2	8	0.13			0.011	0.012				NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	S	1	3										NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	M	4.5	1	8	0.15			0.012					NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	M	4.5	2	8	0.17	0.16		0.013	0.013	0.012			NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	M	4.5	3										NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	B	8	1	8	0.17			0.012					NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	B	8	2	8	0.13	0.15		0.009	0.010				NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR2	27/7/2019	Mid-Flood	Fine	Moderate	12:35	9	B	8	3										NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR3	27/7/2019	Mid-Flood	Fine	Moderate	13:04	8	S	1	1	6	0.17	0.17		0.033					NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR3	27/7/2019	Mid-Flood	Fine	Moderate	13:04	8	S	1	2	6	0.17			0.033					NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR3	27/7/2019	Mid-Flood	Fine	Moderate	13:04	8	S	1	3										NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR3	27/7/2019	Mid-Flood	Fine	Moderate	13:04	8	M	4	1	6	0.17			0.025					NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR3	27/7/2019	Mid-Flood	Fine	Moderate	13:04	8	M	4	2	6	0.18	0.18		0.026	0.025	0.027			NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR3	27/7/2019	Mid-Flood	Fine	Moderate	13:04	8	M	4	3										NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR3	27/7/2019	Mid-Flood	Fine	Moderate	13:04	8	B	7	1	6	0.18			0.022					NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR3	27/7/2019	Mid-Flood	Fine	Moderate	13:04	8	B	7	2	6	0.19	0.19		0.023	0.023				NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	
SR3	27/7/2019	Mid-Flood	Fine	Moderate	13:04	8	B	7	3										NA	NA	NA	NA	NA			NA	NA		NA	NA	NA	NA	

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	27/7/2019	Mid-Flood	Fine	Moderate	13:17	4	S	1	1	7	0.19	0.19	0.17	0.034	0.033	0.028	NA	NA	NA	NA	NA	100	75	71	NA	NA	NA	3	3	3			
SR4	27/7/2019	Mid-Flood	Fine	Moderate	13:17	4	S	1	2	6	0.18	0.19	0.17	0.032	0.033	0.028	NA	NA	NA	NA	NA	56	75	71	NA	NA	NA	3	3	3			
SR4	27/7/2019	Mid-Flood	Fine	Moderate	13:17	4	S	1	3	7	0.18	0.19	0.17	0.032	0.033	0.028	NA	NA	NA	NA	NA	56	75	71	NA	NA	NA	3	3	3			
SR4	27/7/2019	Mid-Flood	Fine	Moderate	13:17	4	M	1	1	7	0.18	0.19	0.17	0.032	0.033	0.028	NA	NA	NA	NA	NA	56	75	71	NA	NA	NA	3	3	3			
SR4	27/7/2019	Mid-Flood	Fine	Moderate	13:17	4	M	2	2	7	0.18	0.19	0.17	0.032	0.033	0.028	NA	NA	NA	NA	NA	56	75	71	NA	NA	NA	3	3	3			
SR4	27/7/2019	Mid-Flood	Fine	Moderate	13:17	4	M	3	3	7	0.18	0.19	0.17	0.032	0.033	0.028	NA	NA	NA	NA	NA	56	75	71	NA	NA	NA	3	3	3			
SR4	27/7/2019	Mid-Flood	Fine	Moderate	13:17	4	B	3	1	7	0.17	0.16	0.15	0.024	0.022	0.022	NA	NA	NA	NA	NA	41	67	71	NA	NA	NA	3	3	3			
SR4	27/7/2019	Mid-Flood	Fine	Moderate	13:17	4	B	3	2	7	0.15	0.16	0.15	0.021	0.022	0.022	NA	NA	NA	NA	NA	110	67	71	NA	NA	NA	4	3	3			
SR4	27/7/2019	Mid-Flood	Fine	Moderate	13:17	4	B	3	3	7	0.15	0.16	0.15	0.021	0.022	0.022	NA	NA	NA	NA	NA	110	67	71	NA	NA	NA	4	3	3			
SR5	27/7/2019	Mid-Flood	Fine	Moderate	12:16	11	S	1	1	7	NA	NA	NA	NA	NA	NA	0.17	0.49	0.05	0.71	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	27/7/2019	Mid-Flood	Fine	Moderate	12:16	11	S	1	2	7	NA	NA	NA	NA	NA	NA	0.17	0.48	0.05	0.70	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	27/7/2019	Mid-Flood	Fine	Moderate	12:16	11	S	1	3	7	NA	NA	NA	NA	NA	NA	0.20	0.50	0.05	0.75	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	27/7/2019	Mid-Flood	Fine	Moderate	12:16	11	M	5.5	1	8	NA	NA	NA	NA	NA	NA	0.18	0.48	0.05	0.71	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	27/7/2019	Mid-Flood	Fine	Moderate	12:16	11	M	5.5	2	7	NA	NA	NA	NA	NA	NA	0.17	0.49	0.05	0.71	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	27/7/2019	Mid-Flood	Fine	Moderate	12:16	11	M	5.5	3	7	NA	NA	NA	NA	NA	NA	0.16	0.50	0.05	0.71	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	27/7/2019	Mid-Flood	Fine	Moderate	12:16	11	B	10	1	8	NA	NA	NA	NA	NA	NA	0.16	0.50	0.05	0.71	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	27/7/2019	Mid-Flood	Fine	Moderate	12:16	11	B	10	2	7	NA	NA	NA	NA	NA	NA	0.18	0.51	0.05	0.74	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	27/7/2019	Mid-Flood	Fine	Moderate	12:16	11	B	10	3	8	NA	NA	NA	NA	NA	NA	0.17	0.52	0.04	0.73	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR12	27/7/2019	Mid-Flood	Fine	Moderate	13:42	15	S	1	1	6	0.19	0.19	0.19	0.025	0.025	0.022	NA	NA	NA	NA	NA	640	625	896	NA	NA	NA	3	3	3			
SR12	27/7/2019	Mid-Flood	Fine	Moderate	13:42	15	S	1	2	6	0.18	0.19	0.19	0.024	0.025	0.022	NA	NA	NA	NA	NA	610	625	896	NA	NA	NA	3	3	3			
SR12	27/7/2019	Mid-Flood	Fine	Moderate	13:42	15	S	1	3	6	0.18	0.19	0.19	0.024	0.025	0.022	NA	NA	NA	NA	NA	610	625	896	NA	NA	NA	3	3	3			
SR12	27/7/2019	Mid-Flood	Fine	Moderate	13:42	15	M	7.5	1	6	0.23	0.20	0.19	0.027	0.023	0.022	NA	NA	NA	NA	NA	1600	1152	896	NA	NA	NA	3	3	3			
SR12	27/7/2019	Mid-Flood	Fine	Moderate	13:42	15	M	7.5	2	6	0.17	0.20	0.19	0.020	0.023	0.022	NA	NA	NA	NA	NA	830	1152	896	NA	NA	NA	3	3	3			
SR12	27/7/2019	Mid-Flood	Fine	Moderate	13:42	15	M	7.5	3	6	0.17	0.20	0.19	0.020	0.023	0.022	NA	NA	NA	NA	NA	830	1152	896	NA	NA	NA	3	3	3			
SR12	27/7/2019	Mid-Flood	Fine	Moderate	13:42	15	B	14	1	5	0.20	0.19	0.19	0.019	0.018	0.018	NA	NA	NA	NA	NA	770	1000	896	NA	NA	NA	3	3	3			
SR12	27/7/2019	Mid-Flood	Fine	Moderate	13:42	15	B	14	2	6	0.18	0.19	0.19	0.017	0.018	0.018	NA	NA	NA	NA	NA	1300	1000	896	NA	NA	NA	4	3	3			
SR12	27/7/2019	Mid-Flood	Fine	Moderate	13:42	15	B	14	3	6	0.18	0.19	0.19	0.017	0.018	0.018	NA	NA	NA	NA	NA	1300	1000	896	NA	NA	NA	4	3	3			
SR13	27/7/2019	Mid-Flood	Fine	Moderate	13:55	14	S	1	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	27/7/2019	Mid-Flood	Fine	Moderate	13:55	14	S	1	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	27/7/2019	Mid-Flood	Fine	Moderate	13:55	14	S	1	3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	27/7/2019	Mid-Flood	Fine	Moderate	13:55	14	M	7	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	27/7/2019	Mid-Flood	Fine	Moderate	13:55	14	M	7	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	27/7/2019	Mid-Flood	Fine	Moderate	13:55	14	M	7	3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	27/7/2019	Mid-Flood	Fine	Moderate	13:55	14	B	13	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	27/7/2019	Mid-Flood	Fine	Moderate	13:55	14	B	13	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	27/7/2019	Mid-Flood	Fine	Moderate	13:55	14	B	13	3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	27/7/2019	Mid-Ebb	Fine	Moderate	10:15	4	S	1	1	7	0.19	0.17	0.038	0.033	0.030	NA	NA	NA	NA	NA	NA	140	130	136	NA	NA	NA	3	2	2	3		
SR4	27/7/2019	Mid-Ebb	Fine	Moderate	10:15	4	S	1	2	7	0.14	0.17	0.028	0.033	0.030	NA	NA	NA	NA	NA	NA	120	130	136	NA	NA	NA	2	2	2	3		
SR4	27/7/2019	Mid-Ebb	Fine	Moderate	10:15	4	S	1	3	7	0.14	0.17	0.028	0.033	0.030	NA	NA	NA	NA	NA	NA	120	130	136	NA	NA	NA	2	2	2	3		
SR4	27/7/2019	Mid-Ebb	Fine	Moderate	10:15	4	M	1	1	7	0.14	0.17	0.028	0.033	0.030	NA	NA	NA	NA	NA	NA	120	130	136	NA	NA	NA	2	2	2	3		
SR4	27/7/2019	Mid-Ebb	Fine	Moderate	10:15	4	M	2	2	7	0.14	0.17	0.028	0.033	0.030	NA	NA	NA	NA	NA	NA	120	130	136	NA	NA	NA	2	2	2	3		
SR4	27/7/2019	Mid-Ebb	Fine	Moderate	10:15	4	M	3	3	7	0.14	0.17	0.028	0.033	0.030	NA	NA	NA	NA	NA	NA	120	130	136	NA	NA	NA	2	2	2	3		
SR4	27/7/2019	Mid-Ebb	Fine	Moderate	10:15	4	B	3	1	7	0.14	0.17	0.026	0.027	0.030	NA	NA	NA	NA	NA	NA	170	143	136	NA	NA	NA	4	3	3	3		
SR4	27/7/2019	Mid-Ebb	Fine	Moderate	10:15	4	B	3	2	6	0.15	0.15	0.028	0.027	0.030	NA	NA	NA	NA	NA	120	143	136	NA	NA	NA	3	3	3	3			
SR4	27/7/2019	Mid-Ebb	Fine	Moderate	10:15	4	B	3	3	7	0.15	0.15	0.028	0.027	0.030	NA	NA	NA	NA	NA	120	143	136	NA	NA	NA	3	3	3	3			
SR5	27/7/2019	Mid-Ebb	Fine	Moderate	11:21	11	S	1	1	7	NA	NA	NA	NA	NA	0.15	0.49	0.05	0.69	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	27/7/2019	Mid-Ebb	Fine	Moderate	11:21	11	S	1	2	7	NA	NA	NA	NA	NA	0.17	0.50	0.05	0.72	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	27/7/2019	Mid-Ebb	Fine	Moderate	11:21	11	S	1	3	7	NA	NA	NA	NA	NA	0.19	0.49	0.05	0.73	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	27/7/2019	Mid-Ebb	Fine	Moderate	11:21	11	M	5.5	1	8	NA	NA	NA	NA	NA	0.16	0.49	0.05	0.70	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	27/7/2019	Mid-Ebb	Fine	Moderate	11:21	11	M	5.5	2	7	NA	NA	NA	NA	NA	0.16	0.53	0.05	0.74	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	27/7/2019	Mid-Ebb	Fine	Moderate	11:21	11	M	5.5	3	7	NA	NA	NA	NA	NA	0.17	0.50	0.05	0.72	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	27/7/2019	Mid-Ebb	Fine	Moderate	11:21	11	B	10	1	7	NA	NA	NA	NA	NA	0.14	0.50	0.05	0.69	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	27/7/2019	Mid-Ebb	Fine	Moderate	11:21	11	B	10	2	7	NA	NA	NA	NA	NA	0.13	0.53	0.05	0.71	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	27/7/2019	Mid-Ebb	Fine	Moderate	11:21	11	B	10	3	7	NA	NA	NA	NA	NA	0.15	0.53	0.05	0.73	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR12	27/7/2019	Mid-Ebb	Fine	Moderate	9:59	15	S	1	1	6	0.16	0.16	0.026	0.026	0.024	NA	NA	NA	NA	NA	1000	1000	844	NA	NA	NA	4	4	4	3			
SR12	27/7/2019	Mid-Ebb	Fine	Moderate	9:59	15	S	1	2	6	0.16	0.16	0.026	0.026	0.024	NA	NA	NA	NA	NA	1000	1000	844	NA	NA	NA	4	4	4	3			
SR12	27/7/2019	Mid-Ebb	Fine	Moderate	9:59	15	S	1	3	6	0.16	0.16	0.026	0.026	0.024	NA	NA	NA	NA	NA	1000	1000	844	NA	NA	NA	4	4	4	3			
SR12	27/7/2019	Mid-Ebb	Fine	Moderate	9:59	15	M	7.5	1	6	0.17	0.16	0.027	0.025	0.024	NA	NA	NA	NA	NA	950	909	844	NA	NA	NA	3	3	3	3			
SR12	27/7/2019	Mid-Ebb	Fine	Moderate	9:59	15	M	7.5	2	6	0.15	0.16	0.024	0.025	0.024	NA	NA	NA	NA	NA	870	909	844	NA	NA	NA	4	3	3	3			
SR12	27/7/2019	Mid-Ebb	Fine	Moderate	9:59	15	M	7.5	3	6	0.15	0.16	0.024	0.025	0.024	NA	NA	NA	NA	NA	870	909	844	NA	NA	NA	4	3	3	3			
SR12	27/7/2019	Mid-Ebb	Fine	Moderate	9:59	15	B	14	1	6	0.16	0.17	0.018	0.019	0.024	NA	NA	NA	NA	NA	510	662	844	NA	NA	NA	3	3	3	3			
SR12	27/7/2019	Mid-Ebb	Fine	Moderate	9:59	15	B	14	2	6	0.18	0.17	0.020	0.019	0.024	NA	NA	NA	NA	NA	860	662	844	NA	NA	NA	3	3	3	3			
SR12	27/7/2019	Mid-Ebb	Fine	Moderate	9:59	15	B	14	3	6	0.18	0.17	0.020	0.019	0.024	NA	NA	NA	NA	NA	860	662	844	NA	NA	NA	3	3	3	3			
SR13	27/7/2019	Mid-Ebb	Fine	Moderate	9:41	14	S	1	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2019	Mid-Ebb	Fine	Moderate	9:41	14	S	1	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2019	Mid-Ebb	Fine	Moderate	9:41	14	S	1	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2019	Mid-Ebb	Fine	Moderate	9:41	14	M	7	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2019	Mid-Ebb	Fine	Moderate	9:41	14	M	7	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2019	Mid-Ebb	Fine	Moderate	9:41	14	M	7	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2019	Mid-Ebb	Fine	Moderate	9:41	14	B	13	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2019	Mid-Ebb	Fine	Moderate	9:41	14	B	13	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2019	Mid-Ebb	Fine	Moderate	9:41	14	B	13	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																											
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)				
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	S	1	1	8.37	8.37	28.41	28.41	27.27	27.27	92.5	92.5	6.45	6.45	6.45	6.45	3.4	3.4	3.9	0.12	0.12	0.12	0.014	0.014	0.014	0.12	0.32	0.05	0.49	0.49		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	S	1	2	8.37	8.37	28.41	28.41	27.26	27.27	92.5	92.5	6.45	6.45	6.45	6.45	3.4	3.4	3.9	0.12	0.12	0.12	0.014	0.014	0.014	0.12	0.32	0.05	0.49	0.49		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	S	1	3																												
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	M	14	1	8.29	8.29	30.15	30.15	25.32	25.32	70.6	70.7	4.87	4.88	4.88	4.88	3.6	3.6	3.9	0.12	0.12	0.12	0.010	0.010	0.010	0.12	0.31	0.05	0.48	0.48		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	M	14	2	8.29	8.29	30.15	30.15	25.32	25.32	70.8	70.7	4.89	4.88	4.88	4.88	3.6	3.6	3.9	0.12	0.12	0.12	0.010	0.010	0.010	0.12	0.31	0.05	0.48	0.48		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	M	14	3																												
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	B	27	1	8.20	8.20	30.66	30.66	25.01	25.02	51.4	51.4	3.53	3.53	3.53	3.53	4.6	4.6	3.9	0.13	0.13	0.13	0.009	0.009	0.009	0.13	0.29	0.06	0.48	0.48		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	B	27	2	8.20	8.20	30.68	30.67	25.02	25.02	51.4	51.4	3.53	3.53	3.53	3.53	4.5	4.6	3.9	0.13	0.13	0.13	0.009	0.009	0.009	0.13	0.29	0.06	0.48	0.48		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	B	27	3																												
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	S	1	1	8.45	8.45	26.75	26.74	27.93	27.94	111.3	111.4	7.62	7.63	7.63	7.63	1.4	1.4	2.1	0.14	0.14	0.14	0.020	0.020	0.020	0.14	0.14	0.03	0.31	0.31		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	S	1	2	8.45	8.45	26.73	26.74	27.94	27.94	111.4	111.4	7.63	7.63	7.63	7.63	1.4	1.4	2.1	0.14	0.14	0.14	0.020	0.020	0.020	0.14	0.15	0.03	0.32	0.31		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	S	1	3																												
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	M	6.5	1	8.25	8.25	29.33	29.45	25.81	25.81	56.8	56.8	3.92	3.92	3.92	3.92	2.5	2.5	2.1	0.16	0.17	0.16	0.013	0.014	0.013	0.16	0.13	0.03	0.32	0.32		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	M	6.5	2	8.25	8.25	29.57	29.45	25.81	25.81	56.8	56.8	3.92	3.92	3.92	3.92	2.5	2.5	2.1	0.17	0.17	0.16	0.014	0.013	0.014	0.17	0.13	0.03	0.33	0.32		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	M	6.5	3																												
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	B	12	1	8.17	8.17	31.43	31.42	25.01	25.01	37.5	37.5	2.62	2.62	2.62	2.62	2.4	2.4	2.1	0.16	0.17	0.16	0.010	0.010	0.010	0.16	0.12	0.04	0.32	0.33		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	B	12	2	8.17	8.17	31.41	31.42	25.01	25.01	37.4	37.5	2.61	2.61	2.61	2.61	2.4	2.4	2.1	0.17	0.17	0.16	0.011	0.010	0.011	0.17	0.12	0.04	0.33	0.33		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	B	12	3																												
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	S	1	1	8.47	8.47	23.67	23.67	27.43	27.43	97.4	97.4	6.76	6.76	6.76	6.76	3.2	3.2	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	S	1	2	8.47	8.47	23.67	23.67	27.43	27.43	97.4	97.4	6.76	6.76	6.76	6.76	3.2	3.2	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	S	1	3																												
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	M	6	1	8.43	8.43	24.55	24.56	27.15	27.15	88.4	88.5	6.14	6.15	6.15	6.15	4.1	4.1	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	M	6	2	8.43	8.43	24.57	24.56	27.14	27.15	88.5	88.5	6.15	6.15	6.15	6.15	4.1	4.1	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	M	6	3																												
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	B	11	1	8.39	8.39	25.13	25.13	26.87	26.87	81.7	81.7	5.66	5.66	5.66	5.66	4.5	4.4	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	B	11	2	8.39	8.39	25.12	25.13	26.87	26.87	81.7	81.7	5.66	5.66	5.66	5.66	4.4	4.4	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	B	11	3																												
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	S	1	1	8.43	8.43	23.40	23.41	27.45	27.45	91.4	91.5	6.34	6.36	6.35	6.35	3.6	3.6	3.6	0.15	0.15	0.15	0.020	0.020	0.020	NA	NA	NA	NA	NA	NA	
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	S	1	2	8.43	8.43	23.42	23.41	27.45	27.45	91.6	91.5	6.36	6.35	6.35	6.35	3.6	3.6	3.6	0.15	0.15	0.15	0.020	0.020	0.020	NA	NA	NA	NA	NA	NA	
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	S	1	3																												
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	M	4.5	1	8.34	8.34	23.92	23.93	27.08	27.08	76.4	76.4	5.32	5.32	5.32	5.32	3.8	3.8	3.6	0.21	0.21	0.18	0.023	0.023	0.023	0.020	0.023	0.023	0.020	NA	NA	
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	M	4.5	2	8.34	8.34	23.93	23.93	27.07	27.08	76.4	76.4	5.32	5.32	5.32	5.32	3.8	3.8	3.6	0.21	0.21	0.18	0.023	0.023	0.023	0.020	0.023	0.023	0.020	NA	NA	
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	M	4.5	3																												
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	B	8	1	8.32	8.32	24.15	24.15	27.04	27.03	72.1	72.2	5.02	5.03	5.03	5.03	3.3	3.3	3.6	0.18	0.18	0.18	0.019	0.019	0.019	NA	NA	NA	NA	NA	NA	
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	B	8	2	8.32	8.32	24.14	24.15	27.02	27.03	72.2	72.2	5.03	5.03	5.03	5.03	3.3	3.3	3.6	0.18	0.18	0.18	0.019	0.019	0.019	NA	NA	NA	NA	NA	NA	
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	B	8	3																												
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	S	1	1	8.45	8.45	23.92	23.94	27.35	27.36	97.9	97.9	6.79	6.79	6.79	6.79	3.3	3.3	3.5	0.18	0.18	0.18	0.025	0.025	0.025	NA	NA	NA	NA	NA	NA	
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	S	1	2	8.45	8.45	23.96	23.94	27.36	27.36	97.9	97.9	6.79	6.79	6.79	6.79	3.3	3.3	3.5	0.18	0.18	0.18	0.025	0.025	0.025	NA	NA	NA	NA	NA	NA	
SR3																																					

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	S	1	1	9	0.12	0.12	0.12	0.014	0.014	0.011	0.12	0.32	0.05	0.49	0.49	20	23	20	NA	NA	NA	<1	<1	1	1		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	S	1	2	9	0.12	0.12	0.12	0.014	0.014	0.011	0.12	0.32	0.05	0.49	0.49	20	23	20	NA	NA	NA	<1	<1	1	1		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	S	1	3	9	0.12	0.12	0.12	0.010	0.010	0.011	0.12	0.33	0.05	0.50	0.45	18	18	20	NA	NA	NA	1	<1	1	1		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	M	14	1	9	0.12	0.12	0.12	0.010	0.010	0.011	0.12	0.29	0.05	0.46	0.45	18	18	20	NA	NA	NA	1	<1	1	1		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	M	14	2	10	0.12	0.12	0.12	0.010	0.010	0.011	0.12	0.29	0.05	0.46	0.45	18	18	20	NA	NA	NA	1	<1	1	1		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	M	14	3	9	0.12	0.12	0.12	0.010	0.010	0.011	0.12	0.25	0.05	0.42	0.39	18	20	20	NA	NA	NA	1	<1	1	1		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	B	27	1	7	0.13	0.12	0.12	0.009	0.008	0.011	0.12	0.23	0.05	0.41	0.39	23	20	20	NA	NA	NA	1	<1	1	1		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	B	27	2	7	0.11	0.12	0.12	0.007	0.008	0.011	0.11	0.23	0.05	0.39	0.39	18	20	20	NA	NA	NA	1	<1	1	1		
C1A	30/7/2019	Mid-Flood	Fine	Rough	14:40	28	B	27	3	7	0.12	0.12	0.12	0.010	0.010	0.011	0.12	0.20	0.05	0.37	0.39	18	20	20	NA	NA	NA	1	<1	1	1		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	S	1	1	5	0.17	0.16	0.17	0.024	0.022	0.015	0.17	0.13	0.03	0.33	0.30	12	12	14	NA	NA	NA	2	2	2	2		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	S	1	2	6	0.14	0.16	0.17	0.020	0.022	0.015	0.14	0.12	0.03	0.29	0.30	12	12	14	NA	NA	NA	2	2	2	2		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	S	1	3	6	0.18	0.18	0.17	0.014	0.014	0.015	0.13	0.13	0.03	0.29	0.30	6	13	14	NA	NA	NA	2	<1	1	2		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	M	6.5	1	5	0.18	0.18	0.17	0.014	0.014	0.015	0.18	0.12	0.03	0.33	0.30	6	13	14	NA	NA	NA	2	<1	1	2		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	M	6.5	2	6	0.17	0.18	0.17	0.014	0.014	0.015	0.17	0.12	0.03	0.32	0.30	30	13	14	NA	NA	NA	<1	<1	1	2		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	M	6.5	3	6	0.17	0.18	0.17	0.014	0.014	0.015	0.16	0.12	0.03	0.31	0.30	30	13	14	NA	NA	NA	<1	<1	1	2		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	B	12	1	6	0.20	0.17	0.17	0.013	0.011	0.015	0.20	0.10	0.03	0.33	0.30	12	16	14	NA	NA	NA	1	2	2	2		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	B	12	2	6	0.14	0.17	0.17	0.009	0.011	0.015	0.14	0.10	0.03	0.27	0.30	22	16	14	NA	NA	NA	2	2	2	2		
C2A	30/7/2019	Mid-Flood	Fine	Rough	16:53	13	B	12	3	6	0.14	0.17	0.17	0.009	0.011	0.015	0.15	0.11	0.04	0.30	0.30	12	16	14	NA	NA	NA	2	2	2	2		
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	S	1	1	7	NA	NA	NA	NA	NA	NA	0.14	0.29	0.05	0.48	0.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	S	1	2	7	NA	NA	NA	NA	NA	NA	0.13	0.31	0.05	0.49	0.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	S	1	3	7	NA	NA	NA	NA	NA	NA	0.14	0.31	0.05	0.50	0.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	M	6	1	6	NA	NA	NA	NA	NA	NA	0.14	0.29	0.05	0.48	0.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	M	6	2	7	NA	NA	NA	NA	NA	NA	0.13	0.31	0.05	0.49	0.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	M	6	3	7	NA	NA	NA	NA	NA	NA	0.13	0.32	0.05	0.50	0.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	B	11	1	8	NA	NA	NA	NA	NA	NA	0.13	0.32	0.05	0.50	0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	B	11	2	8	NA	NA	NA	NA	NA	NA	0.12	0.32	0.05	0.49	0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	30/7/2019	Mid-Flood	Fine	Rough	15:37	12	B	11	3	8	NA	NA	NA	NA	NA	NA	0.13	0.32	0.05	0.50	0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	S	1	1	8	0.16	0.17	0.18	0.021	0.023	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	S	1	2	8	0.18	0.19	0.18	0.024	0.023	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	S	1	3	8	0.20	0.19	0.18	0.022	0.021	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	M	4.5	1	6	0.16	0.17	0.17	0.017	0.017	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	M	4.5	2	7	0.17	0.17	0.17	0.018	0.017	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	M	4.5	3	8	0.16	0.17	0.17	0.017	0.017	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	B	8	1	8	0.16	0.17	0.17	0.017	0.017	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	B	8	2	8	0.17	0.17	0.17	0.018	0.017	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	30/7/2019	Mid-Flood	Fine	Rough	15:22	9	B	8	3	8	0.17	0.17	0.17	0.018	0.017	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	S	1	1	8	0.17	0.17	0.17	0.023	0.023	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	S	1	2	9	0.16	0.17	0.17	0.022	0.023	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	S	1	3	9	0.16	0.17	0.17	0.022	0.023	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	M	4	1	8	0.19	0.19	0.19	0.025	0.024	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	M	4	2	7	0.18	0.19	0.19	0.023	0.024	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	M	4	3	8	0.18	0.19	0.19	0.023	0.024	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	M	4	3	8	0.18	0.19	0.19	0.023	0.024	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	B	7	1	8	0.21	0.21	0.21	0.025	0.025	0.025	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	B	7	2	8	0.20	0.21	0.21	0.024	0.025	0.025	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	30/7/2019	Mid-Flood	Fine	Rough	15:51	8	B	7	3	8	0.20	0.21	0.21	0.024	0.025	0.025	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	30/7/2019	Mid-Flood	Fine	Rough	16:04	4	S	1	1	8	0.23	0.19	0.21	0.028	0.023	0.025	NA	NA	NA	NA	NA	NA	510	350	422	NA	NA	NA	<1	<1	1	1	
SR4	30/7/2019	Mid-Flood	Fine	Rough	16:04	4	S	1	2	10	0.23	0.19	0.21	0.028	0.023	0.025	NA	NA	NA	NA	NA	NA	350	422	430	NA	NA	NA	<1	<1	1	1	
SR4	30/7/2019	Mid-Flood	Fine	Rough	16:04	4	S	1	3	NA	0.23	0.19	0.21	0.028	0.023	0.025	NA	NA	NA	NA	NA	NA	NA	NA	430	NA	NA	<1	<1	1	1		
SR4	30/7/2019	Mid-Flood	Fine	Rough	16:04	4	M	1	1	NA	0.23	0.19	0.21	0.028	0.023	0.025	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	1	1		
SR4	30/7/2019	Mid-Flood	Fine	Rough	16:04	4	M	2	2	NA	0.23	0.19	0.21	0.028	0.023	0.025	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	1	1		
SR4	30/7/2019	Mid-Flood	Fine	Rough	16:04	4	M	3	3	NA	0.23	0.19	0.21	0.028	0.023	0.025	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	1	1		
SR4	30/7/2019	Mid-Flood	Fine	Rough	16:04	4	B	3	1	10	0.22	0.19	0.21	0.026	0.022	0.024	NA	NA	NA	NA	NA	480	400	438	NA	NA	NA	<1	<1	1	1		
SR4	30/7/2019	Mid-Flood	Fine	Rough	16:04	4	B	3	2	9	0.22	0.19	0.21	0.026	0.022	0.024	NA	NA	NA	NA	NA	400	438	NA	NA	NA	<1	<1	1	1			
SR4	30/7/2019	Mid-Flood	Fine	Rough	16:04	4	B	3	3	NA	0.22	0.19	0.21	0.026	0.022	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	1	1			
SR5	30/7/2019	Mid-Flood	Fine	Rough	15:01	11	S	1	1	7	NA	NA	NA	NA	NA	NA	0.13	0.26	0.05	0.44	0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	30/7/2019	Mid-Flood	Fine	Rough	15:01	11	S	1	2	7	NA	NA	NA	NA	NA	NA	0.13	0.21	0.05	0.39	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	30/7/2019	Mid-Flood	Fine	Rough	15:01	11	S	1	3	7	NA	NA	NA	NA	NA	NA	0.13	0.19	0.05	0.37	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	30/7/2019	Mid-Flood	Fine	Rough	15:01	11	M	5.5	1	7	NA	NA	NA	NA	NA	NA	0.12	0.16	0.05	0.33	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	30/7/2019	Mid-Flood	Fine	Rough	15:01	11	M	5.5	2	7	NA	NA	NA	NA	NA	NA	0.13	0.15	0.05	0.33	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	30/7/2019	Mid-Flood	Fine	Rough	15:01	11	M	5.5	3	7	NA	NA	NA	NA	NA	NA	0.13	0.14	0.05	0.32	0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	30/7/2019	Mid-Flood	Fine	Rough	15:01	11	B	10	1	7	NA	NA	NA	NA	NA	NA	0.14	0.13	0.05	0.32	0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	30/7/2019	Mid-Flood	Fine	Rough	15:01	11	B	10	2	7	NA	NA	NA	NA	NA	NA	0.13	0.13	0.05	0.31	0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	30/7/2019	Mid-Flood	Fine	Rough	15:01	11	B	10	3	7	NA	NA	NA	NA	NA	NA	0.13	0.13	0.05	0.31	0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR12	30/7/2019	Mid-Flood	Fine	Rough	16:22	15	S	1	1	9	0.21	0.20	0.21	0.023	0.022	0.023	NA	NA	NA	NA	NA	1100	1800	1407	NA	NA	NA	<1	<1	1	1		
SR12	30/7/2019	Mid-Flood	Fine	Rough	16:22	15	S	1	2	9	0.21	0.20	0.21	0.023	0.022	0.023	NA	NA	NA	NA	NA	NA	1407	1214	NA	NA	NA	<1	<1	1	1		
SR12	30/7/2019	Mid-Flood	Fine	Rough	16:22	15	S	1	3	9	0.21	0.20	0.21	0.023	0.022	0.023	NA	NA	NA	NA	NA	NA	1214	949	NA	NA	NA	<1	<1	1	1		
SR12	30/7/2019	Mid-Flood	Fine	Rough	16:22	15	M	7.5	1	9	0.23	0.20	0.22	0.023	0.020	0.021	NA	NA	NA	NA	NA	1000	900	949	NA	NA	NA	<1	<1	1	1		
SR12	30/7/2019	Mid-Flood	Fine	Rough	16:22	15	M	7.5	2	8	0.23	0.20	0.22	0.023	0.020	0.021	NA	NA	NA	NA	NA	900	949	1214	NA	NA	NA	<1	<1	1	1		
SR12	30/7/2019	Mid-Flood	Fine	Rough	16:22	15	M	7.5	3	9	0.23	0.20	0.22	0.023	0.020	0.021	NA	NA	NA	NA	NA	NA	1214	949	NA	NA	NA	<1	<1	1	1		
SR12	30/7/2019	Mid-Flood	Fine	Rough	16:22	15	B	14	1	10	0.20	0.21	0.21	0.019	0.020	0.019	NA	NA	NA	NA	NA	1200	1500	1342	NA	NA	NA	<1	<1	1	1		
SR12	30/7/2019	Mid-Flood	Fine	Rough	16:22	15	B	14	2	9	0.21	0.21	0.21	0.019	0.020	0.019	NA	NA	NA	NA	NA	1500	1342	NA	NA	NA	<1	<1	1	1			
SR12	30/7/2019	Mid-Flood	Fine	Rough	16:22	15	B	14	3	10	0.21	0.21	0.21	0.019	0.020	0.019	NA	NA	NA	NA	NA	NA	1342	NA	NA	NA	NA	<1	<1	1	1		
SR13	30/7/2019	Mid-Flood	Fine	Rough	16:35	14	S	1	1	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	30/7/2019	Mid-Flood	Fine	Rough	16:35	14	S	1	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	30/7/2019	Mid-Flood	Fine	Rough	16:35	14	S	1	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	30/7/2019	Mid-Flood	Fine	Rough	16:35	14	M	7	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	30/7/2019	Mid-Flood	Fine	Rough	16:35	14	M	7	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	30/7/2019	Mid-Flood	Fine	Rough	16:35	14	M	7	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	30/7/2019	Mid-Flood	Fine	Rough	16:35	14	B	13	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	30/7/2019	Mid-Flood	Fine	Rough	16:35	14	B	13	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	30/7/2019	Mid-Flood	Fine	Rough	16:35	14	B	13	3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	30/7/2019	Mid-Ebb	Fine	Rough	14:35	28	S	1	1	8	0.12			0.014	0.014		0.12	0.20	0.05	0.37	22			NA	NA	NA	3						
C1A	30/7/2019	Mid-Ebb	Fine	Rough	14:35	28	S	1	2	9	0.12	0.12		0.014	0.014		0.12	0.24	0.05	0.41	16	19		NA	NA	NA	3	3					
C1A	30/7/2019	Mid-Ebb	Fine	Rough	14:35	28	S	1	3								0.13	0.18	0.05	0.36													
C1A	30/7/2019	Mid-Ebb	Fine	Rough	14:35	28	M	14	1	9	0.13			0.011	0.011		0.13	0.15	0.05	0.33	28			NA	NA	NA	<1						
C1A	30/7/2019	Mid-Ebb	Fine	Rough	14:35	28	M	14	2	8	0.13	0.13	0.13	0.011	0.011	0.011	0.13	0.13	0.05	0.31	20	24	22	NA	NA	NA	<1	1	2				
C1A	30/7/2019	Mid-Ebb	Fine	Rough	14:35	28	M	14	3								0.13	0.13	0.05	0.31													
C1A	30/7/2019	Mid-Ebb	Fine	Rough	14:35	28	B	27	1	9	0.13			0.009	0.009		0.13	0.14	0.05	0.32	26			NA	NA	NA	<1						
C1A	30/7/2019	Mid-Ebb	Fine	Rough	14:35	28	B	27	2	9	0.12	0.13		0.008	0.008		0.12	0.09	0.05	0.26	21	23		NA	NA	NA	<1	1					
C1A	30/7/2019	Mid-Ebb	Fine	Rough	14:35	28	B	27	3							0.12	0.10	0.05	0.27														
C2A	30/7/2019	Mid-Ebb	Fine	Rough	12:04	13	S	1	1	8	0.17			0.026	0.026		0.17	0.08	0.03	0.28	6			NA	NA	NA	1						
C2A	30/7/2019	Mid-Ebb	Fine	Rough	12:04	13	S	1	2	7	0.14	0.16		0.022	0.024		0.14	0.08	0.03	0.25	22	11		NA	NA	NA	1	1					
C2A	30/7/2019	Mid-Ebb	Fine	Rough	12:04	13	S	1	3								0.15	0.09	0.03	0.27													
C2A	30/7/2019	Mid-Ebb	Fine	Rough	12:04	13	M	6.5	1	6	0.21			0.017	0.017		0.21	0.09	0.03	0.33	7			NA	NA	NA	1						
C2A	30/7/2019	Mid-Ebb	Fine	Rough	12:04	13	M	6.5	2	5	0.20	0.21	0.18	0.016	0.017	0.017	0.20	0.08	0.03	0.31	7	7	11	NA	NA	NA	2	1	1				
C2A	30/7/2019	Mid-Ebb	Fine	Rough	12:04	13	M	6.5	3								0.15	0.09	0.03	0.27													
C2A	30/7/2019	Mid-Ebb	Fine	Rough	12:04	13	B	12	1	6	0.16			0.010	0.010		0.16	0.09	0.03	0.28	23			NA	NA	NA	1						
C2A	30/7/2019	Mid-Ebb	Fine	Rough	12:04	13	B	12	2	6	0.20	0.18		0.013	0.012		0.20	0.08	0.03	0.31	11	16		NA	NA	NA	2	1					
C2A	30/7/2019	Mid-Ebb	Fine	Rough	12:04	13	B	12	3							0.14	0.09	0.03	0.26														
G2	30/7/2019	Mid-Ebb	Fine	Rough	13:30	12	S	1	1	7	NA	NA		NA	NA		0.15	0.26	0.05	0.46				NA	NA	NA	NA	NA					
G2	30/7/2019	Mid-Ebb	Fine	Rough	13:30	12	S	1	2	7	NA	NA		NA	NA		0.15	0.26	0.05	0.46	NA	NA		NA	NA	NA	NA	NA					
G2	30/7/2019	Mid-Ebb	Fine	Rough	13:30	12	S	1	3								0.13	0.27	0.05	0.45													
G2	30/7/2019	Mid-Ebb	Fine	Rough	13:30	12	M	6	1	7	NA	NA		NA	NA		0.14	0.27	0.05	0.46	NA	NA		NA	NA	NA	NA	NA					
G2	30/7/2019	Mid-Ebb	Fine	Rough	13:30	12	M	6	2	8	NA	NA		NA	NA		0.15	0.27	0.05	0.47	NA	NA		NA	NA	NA	NA	NA					
G2	30/7/2019	Mid-Ebb	Fine	Rough	13:30	12	M	6	3								0.13	0.27	0.05	0.45													
G2	30/7/2019	Mid-Ebb	Fine	Rough	13:30	12	B	11	1	7	NA	NA		NA	NA		0.16	0.27	0.05	0.48	NA	NA		NA	NA	NA	NA	NA					
G2	30/7/2019	Mid-Ebb	Fine	Rough	13:30	12	B	11	2	7	NA	NA		NA	NA		0.13	0.27	0.05	0.45	NA	NA		NA	NA	NA	NA	NA					
G2	30/7/2019	Mid-Ebb	Fine	Rough	13:30	12	B	11	3							0.13	0.27	0.05	0.45														
SR2	30/7/2019	Mid-Ebb	Fine	Rough	13:45	9	S	1	1	9	0.18	0.17		0.024	0.022		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR2	30/7/2019	Mid-Ebb	Fine	Rough	13:45	9	S	1	2	9	0.15	0.16		0.020	0.022		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR2	30/7/2019	Mid-Ebb	Fine	Rough	13:45	9	S	1	3								NA	NA	NA	NA				NA	NA	NA	NA	NA					
SR2	30/7/2019	Mid-Ebb	Fine	Rough	13:45	9	M	4.5	1	9	0.17			0.018	0.018		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR2	30/7/2019	Mid-Ebb	Fine	Rough	13:45	9	M	4.5	2	9	0.15	0.16	0.17	0.016	0.017	0.020	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR2	30/7/2019	Mid-Ebb	Fine	Rough	13:45	9	M	4.5	3								NA	NA	NA	NA				NA	NA	NA	NA	NA					
SR2	30/7/2019	Mid-Ebb	Fine	Rough	13:45	9	B	8	1	8	0.19			0.020	0.020		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR2	30/7/2019	Mid-Ebb	Fine	Rough	13:45	9	B	8	2	8	0.20	0.20		0.021	0.020		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR2	30/7/2019	Mid-Ebb	Fine	Rough	13:45	9	B	8	3								NA	NA	NA	NA				NA	NA	NA	NA	NA					
SR3	30/7/2019	Mid-Ebb	Fine	Rough	13:16	8	S	1	1	8	0.16	0.19		0.022	0.025		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR3	30/7/2019	Mid-Ebb	Fine	Rough	13:16	8	S	1	2	8	0.21			0.029	0.025		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR3	30/7/2019	Mid-Ebb	Fine	Rough	13:16	8	S	1	3								NA	NA	NA	NA				NA	NA	NA	NA	NA					
SR3	30/7/2019	Mid-Ebb	Fine	Rough	13:16	8	M	4	1	9	0.18			0.024	0.024		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR3	30/7/2019	Mid-Ebb	Fine	Rough	13:16	8	M	4	2	9	0.17	0.18	0.18	0.022	0.023	0.024	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR3	30/7/2019	Mid-Ebb	Fine	Rough	13:16	8	M	4	3								NA	NA	NA	NA				NA	NA	NA	NA	NA					
SR3	30/7/2019	Mid-Ebb	Fine	Rough	13:16	8	B	7	1	9	0.20			0.024	0.024		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR3	30/7/2019	Mid-Ebb	Fine	Rough	13:16	8	B	7	2	9	0.17	0.19		0.020	0.022		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA					
SR3	30/7/2019	Mid-Ebb	Fine	Rough	13:16	8	B	7	3								NA	NA	NA	NA				NA	NA	NA	NA	NA					

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	30/7/2019	Mid-Ebb	Fine	Rough	12:59	4	S	1	1	9	0.18	0.20	0.022	0.023	0.023	NA	NA	NA	NA	NA	NA	140	218	248	NA	NA	NA	<1	1	1			
SR4	30/7/2019	Mid-Ebb	Fine	Rough	12:59	4	S	1	2	9	0.21	0.20	0.025	0.023	0.023	NA	NA	NA	NA	NA	NA	340	218	248	NA	NA	NA	<1	1	1			
SR4	30/7/2019	Mid-Ebb	Fine	Rough	12:59	4	S	1	3	9						NA	NA	NA	NA	NA	NA				NA	NA	NA						
SR4	30/7/2019	Mid-Ebb	Fine	Rough	12:59	4	M			11						NA	NA	NA	NA	NA	NA				NA	NA	NA						
SR4	30/7/2019	Mid-Ebb	Fine	Rough	12:59	4	M			11						NA	NA	NA	NA	NA	NA				NA	NA	NA						
SR4	30/7/2019	Mid-Ebb	Fine	Rough	12:59	4	M			11						NA	NA	NA	NA	NA	NA				NA	NA	NA						
SR4	30/7/2019	Mid-Ebb	Fine	Rough	12:59	4	B	3	1	10	0.18	0.19	0.021	0.022	0.023	NA	NA	NA	NA	NA	NA	500	283	248	NA	NA	NA	<1	1	1			
SR4	30/7/2019	Mid-Ebb	Fine	Rough	12:59	4	B	3	2	11	0.20	0.19	0.023	0.022	0.023	NA	NA	NA	NA	NA	NA	160	283	248	NA	NA	NA	<1	1	1			
SR4	30/7/2019	Mid-Ebb	Fine	Rough	12:59	4	B	3	3	11						NA	NA	NA	NA	NA	NA				NA	NA	NA						
SR5	30/7/2019	Mid-Ebb	Fine	Rough	14:09	11	S	1	1	7	NA	NA	NA	NA	NA	0.13	0.19	0.05	0.37	0.34	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	30/7/2019	Mid-Ebb	Fine	Rough	14:09	11	S	1	2	7	NA	NA	NA	NA	NA	0.14	0.15	0.05	0.34	0.34	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	30/7/2019	Mid-Ebb	Fine	Rough	14:09	11	S	1	3	7	NA	NA	NA	NA	NA	0.13	0.14	0.05	0.32	0.34	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	30/7/2019	Mid-Ebb	Fine	Rough	14:09	11	M	5.5	1	7	NA	NA	NA	NA	NA	0.13	0.13	0.05	0.31	0.31	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	30/7/2019	Mid-Ebb	Fine	Rough	14:09	11	M	5.5	2	6	NA	NA	NA	NA	NA	0.14	0.12	0.05	0.31	0.31	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	30/7/2019	Mid-Ebb	Fine	Rough	14:09	11	M	5.5	3	7	NA	NA	NA	NA	NA	0.14	0.11	0.05	0.30	0.31	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	30/7/2019	Mid-Ebb	Fine	Rough	14:09	11	B	10	1	8	NA	NA	NA	NA	NA	0.13	0.12	0.05	0.30	0.30	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	30/7/2019	Mid-Ebb	Fine	Rough	14:09	11	B	10	2	7	NA	NA	NA	NA	NA	0.13	0.11	0.05	0.29	0.30	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	30/7/2019	Mid-Ebb	Fine	Rough	14:09	11	B	10	3	8	NA	NA	NA	NA	NA	0.14	0.11	0.05	0.30	0.30	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	30/7/2019	Mid-Ebb	Fine	Rough	12:41	15	S	1	1	8	0.18	0.18	0.020	0.020	0.019	NA	NA	NA	NA	NA	NA	880	785	1100	NA	NA	NA	1	1	1			
SR12	30/7/2019	Mid-Ebb	Fine	Rough	12:41	15	S	1	2	9	0.19	0.19	0.021	0.020	0.019	NA	NA	NA	NA	NA	NA	700	785	1100	NA	NA	NA	<1	1	1			
SR12	30/7/2019	Mid-Ebb	Fine	Rough	12:41	15	S	1	3	9						NA	NA	NA	NA	NA	NA				NA	NA	NA						
SR12	30/7/2019	Mid-Ebb	Fine	Rough	12:41	15	M	7.5	1	8	0.18	0.18	0.018	0.018	0.019	NA	NA	NA	NA	NA	NA	1900	1572	1100	NA	NA	NA	<1	1	1			
SR12	30/7/2019	Mid-Ebb	Fine	Rough	12:41	15	M	7.5	2	8	0.18	0.18	0.018	0.018	0.019	NA	NA	NA	NA	NA	NA	1300	1572	1100	NA	NA	NA	<1	1	1			
SR12	30/7/2019	Mid-Ebb	Fine	Rough	12:41	15	M	7.5	3	8						NA	NA	NA	NA	NA	NA				NA	NA	NA						
SR12	30/7/2019	Mid-Ebb	Fine	Rough	12:41	15	B	14	1	7	0.18	0.19	0.018	0.018	0.018	NA	NA	NA	NA	NA	NA	970	1079	1100	NA	NA	NA	<1	1	1			
SR12	30/7/2019	Mid-Ebb	Fine	Rough	12:41	15	B	14	2	8	0.19	0.19	0.019	0.018	0.018	NA	NA	NA	NA	NA	NA	1200	1079	1100	NA	NA	NA	1	1	1			
SR12	30/7/2019	Mid-Ebb	Fine	Rough	12:41	15	B	14	3	8						NA	NA	NA	NA	NA	NA				NA	NA	NA						
SR13	30/7/2019	Mid-Ebb	Fine	Rough	12:23	14	S	1	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	30/7/2019	Mid-Ebb	Fine	Rough	12:23	14	S	1	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	30/7/2019	Mid-Ebb	Fine	Rough	12:23	14	S	1	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	30/7/2019	Mid-Ebb	Fine	Rough	12:23	14	M	7	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	30/7/2019	Mid-Ebb	Fine	Rough	12:23	14	M	7	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	30/7/2019	Mid-Ebb	Fine	Rough	12:23	14	M	7	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	30/7/2019	Mid-Ebb	Fine	Rough	12:23	14	B	13	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	30/7/2019	Mid-Ebb	Fine	Rough	12:23	14	B	13	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	30/7/2019	Mid-Ebb	Fine	Rough	12:23	14	B	13	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	3/8/2019	Mid-Flood	Cloudy	Moderate	10:02	28	S	1	1	10	0.30			0.022			0.30	0.04	0.04	0.38			270			<0.5			<1				
C1A	3/8/2019	Mid-Flood	Cloudy	Moderate	10:02	28	S	1	2	9	0.29	0.30		0.021	0.021		0.29	0.05	0.04	0.38	0.38		3500	972		<0.5	0.50		<1	1			
C1A	3/8/2019	Mid-Flood	Cloudy	Moderate	10:02	28	S	1	3							0.30	0.05	0.04	0.39														
C1A	3/8/2019	Mid-Flood	Cloudy	Moderate	10:02	28	M	14	1	9	0.29			0.017			0.29	0.05	0.04	0.38			320			<0.5			<1				
C1A	3/8/2019	Mid-Flood	Cloudy	Moderate	10:02	28	M	14	2	9	0.25	0.27	0.28	0.015	0.016	0.016	0.25	0.04	0.04	0.33	0.36	0.37	330	325	997	<0.5	0.50	0.50	<1	1	1		
C1A	3/8/2019	Mid-Flood	Cloudy	Moderate	10:02	28	M	14	3							0.28	0.05	0.04	0.37														
C1A	3/8/2019	Mid-Flood	Cloudy	Moderate	10:02	28	B	27	1	8	0.27			0.011			0.27	0.05	0.04	0.36			2900			<0.5			<1				
C1A	3/8/2019	Mid-Flood	Cloudy	Moderate	10:02	28	B	27	2	9	0.26	0.27		0.011	0.011		0.26	0.04	0.04	0.34	0.37		3400	3140		<0.5	0.50		<1	1			
C1A	3/8/2019	Mid-Flood	Cloudy	Moderate	10:02	28	B	27	3							0.32	0.04	0.04	0.40														
C2A	3/8/2019	Mid-Flood	Cloudy	Moderate	8:30	13	S	1	1	3	0.64			0.042			0.64	0.04	0.03	0.71			4100			<0.5			2				
C2A	3/8/2019	Mid-Flood	Cloudy	Moderate	8:30	13	S	1	2	3	0.68	0.66		0.044	0.043		0.68	0.04	0.03	0.75	0.73		4300	4199		<0.5	0.50		2	2			
C2A	3/8/2019	Mid-Flood	Cloudy	Moderate	8:30	13	S	1	3							0.65	0.04	0.03	0.72														
C2A	3/8/2019	Mid-Flood	Cloudy	Moderate	8:30	13	M	6.5	1	3	0.64			0.034			0.64	0.04	0.03	0.71			4000			<0.5			<1				
C2A	3/8/2019	Mid-Flood	Cloudy	Moderate	8:30	13	M	6.5	2	3	0.65	0.65	0.64	0.034	0.034	0.029	0.65	0.04	0.03	0.72	0.70	0.71	2500	3162	3990	<0.5	0.50	0.50	<1	1	1		
C2A	3/8/2019	Mid-Flood	Cloudy	Moderate	8:30	13	M	6.5	3							0.61	0.04	0.03	0.68														
C2A	3/8/2019	Mid-Flood	Cloudy	Moderate	8:30	13	B	12	1	4	0.66			0.010			0.66	0.04	0.03	0.73			4400			<0.5			<1				
C2A	3/8/2019	Mid-Flood	Cloudy	Moderate	8:30	13	B	12	2	3	0.56	0.61		0.008	0.009		0.56	0.04	0.03	0.63	0.70		5200	4783		<0.5	0.50		<1	1			
C2A	3/8/2019	Mid-Flood	Cloudy	Moderate	8:30	13	B	12	3							0.66	0.04	0.03	0.73														
G2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:27	12	S	1	1	4	NA			NA			0.39	0.05	0.05	0.49			NA			NA	NA		NA	NA			
G2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:27	12	S	1	2	4	NA	NA		NA	NA		0.39	0.05	0.05	0.49	0.49		NA	NA		NA	NA		NA	NA			
G2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:27	12	S	1	3							0.39	0.05	0.05	0.49														
G2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:27	12	M	6	1	4	NA			NA			0.38	0.06	0.05	0.49			NA			NA	NA		NA	NA			
G2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:27	12	M	6	2	4	NA	NA		NA	NA		0.40	0.05	0.05	0.50	0.49	0.49	NA	NA	NA	NA	NA		NA	NA			
G2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:27	12	M	6	3							0.38	0.05	0.05	0.48														
G2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:27	12	B	11	1	3	NA			NA			0.40	0.05	0.05	0.50			NA			NA	NA		NA	NA			
G2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:27	12	B	11	2	3	NA	NA		NA	NA		0.41	0.05	0.05	0.51	0.50		NA	NA		NA	NA		NA	NA			
G2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:27	12	B	11	3							0.38	0.06	0.05	0.49														
SR2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:33	9	S	1	1	3	0.41			0.028			NA	NA	NA	NA			NA			NA	NA		NA	NA			
SR2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:33	9	S	1	2	3	0.41	0.41		0.028	0.028		NA	NA	NA	NA	NA		NA			NA	NA		NA	NA			
SR2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:33	9	S	1	3							NA	NA	NA	NA														
SR2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:33	9	M	4.5	1	3	0.46			0.025			NA	NA	NA	NA			NA			NA	NA		NA	NA			
SR2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:33	9	M	4.5	2	4	0.40	0.43	0.41	0.022	0.023	0.023	NA	NA	NA	NA	NA		NA			NA	NA		NA	NA			
SR2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:33	9	M	4.5	3							NA	NA	NA	NA														
SR2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:33	9	B	8	1	4	0.40			0.018			NA	NA	NA	NA			NA			NA	NA		NA	NA			
SR2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:33	9	B	8	2	4	0.39	0.40		0.017	0.018		NA	NA	NA	NA	NA		NA			NA	NA		NA	NA			
SR2	3/8/2019	Mid-Flood	Cloudy	Moderate	9:33	9	B	8	3							NA	NA	NA	NA														
SR3	3/8/2019	Mid-Flood	Cloudy	Moderate	9:19	8	S	1	1	7	0.43			0.031			NA	NA	NA	NA			NA			NA	NA		NA	NA			
SR3	3/8/2019	Mid-Flood	Cloudy	Moderate	9:19	8	S	1	2	7	0.42	0.43		0.030	0.030		NA	NA	NA	NA	NA		NA			NA	NA		NA	NA			
SR3	3/8/2019	Mid-Flood	Cloudy	Moderate	9:19	8	S	1	3							NA	NA	NA	NA														
SR3	3/8/2019	Mid-Flood	Cloudy	Moderate	9:19	8	M	4	1	4	0.48			0.029			NA	NA	NA	NA			NA			NA	NA		NA	NA			
SR3	3/8/2019	Mid-Flood	Cloudy	Moderate	9:19	8	M	4	2	4	0.45	0.47	0.43	0.027	0.028	0.026	NA	NA	NA	NA	NA		NA			NA	NA		NA	NA			
SR3	3/8/2019	Mid-Flood	Cloudy	Moderate	9:19	8	M	4	3							NA	NA	NA	NA														
SR3	3/8/2019	Mid-Flood	Cloudy	Moderate	9:19	8	B	7	1	5	0.41			0.020			NA	NA	NA	NA			NA			NA	NA		NA	NA			
SR3	3/8/2019	Mid-Flood	Cloudy	Moderate	9:19	8	B	7	2	5	0.37	0.39		0.018	0.019		NA	NA	NA	NA	NA		NA			NA	NA		NA	NA			
SR3	3/8/2019	Mid-Flood	Cloudy	Moderate	9:19	8	B	7	3							NA	NA	NA	NA														

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																										
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)					
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.			
SR4	3/8/2019	Mid-Flood	Cloudy	Moderate	9:07	4	S	1	1	6	0.41	0.43	0.44	0.028	0.029	0.030	0.025	NA	NA	NA	NA	NA	NA	8700	9783	11000	<0.5	<0.5	0.50	1	<1	1	1			
SR4	3/8/2019	Mid-Flood	Cloudy	Moderate	9:07	4	S	1	2	7	0.44	0.43	0.44	0.028	0.029	0.030	0.025	NA	NA	NA	NA	NA	NA	8700	9783	11000	<0.5	<0.5	0.50	1	<1	1	1			
SR4	3/8/2019	Mid-Flood	Cloudy	Moderate	9:07	4	S	1	3	NA	NA	NA	0.025	0.025	0.025	0.025	0.025	NA	NA	NA	NA	NA	NA	8956	8956	8956	<0.5	<0.5	0.50	NA	NA	NA	NA	1		
SR4	3/8/2019	Mid-Flood	Cloudy	Moderate	9:07	4	M	2	2	NA	NA	NA	0.025	0.025	0.025	0.025	0.025	NA	NA	NA	NA	NA	NA	8956	8956	8956	<0.5	<0.5	0.50	NA	NA	NA	NA	1		
SR4	3/8/2019	Mid-Flood	Cloudy	Moderate	9:07	4	M	3	3	NA	NA	NA	0.025	0.025	0.025	0.025	0.025	NA	NA	NA	NA	NA	NA	8956	8956	8956	<0.5	<0.5	0.50	NA	NA	NA	NA	1		
SR4	3/8/2019	Mid-Flood	Cloudy	Moderate	9:07	4	B	3	1	6	0.43	0.46	0.48	0.019	0.020	0.021	0.020	NA	NA	NA	NA	NA	NA	8100	8199	8300	<0.5	<0.5	0.50	<1	<1	1	1			
SR4	3/8/2019	Mid-Flood	Cloudy	Moderate	9:07	4	B	3	2	6	0.48	0.46	0.48	0.019	0.020	0.021	0.020	NA	NA	NA	NA	NA	NA	8100	8199	8300	<0.5	<0.5	0.50	<1	<1	1	1			
SR4	3/8/2019	Mid-Flood	Cloudy	Moderate	9:07	4	B	3	3	NA	NA	NA	0.020	0.020	0.020	0.020	0.020	NA	NA	NA	NA	NA	NA	8199	8199	8199	<0.5	<0.5	0.50	NA	NA	NA	NA	1		
SR5	3/8/2019	Mid-Flood	Cloudy	Moderate	9:46	11	S	1	1	4	NA	NA	NA	NA	NA	NA	NA	0.42	0.05	0.05	0.52	0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	3/8/2019	Mid-Flood	Cloudy	Moderate	9:46	11	S	1	2	4	NA	NA	NA	NA	NA	NA	NA	0.44	0.05	0.05	0.54	0.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	3/8/2019	Mid-Flood	Cloudy	Moderate	9:46	11	S	1	3	NA	NA	NA	NA	NA	NA	NA	NA	0.45	0.05	0.05	0.55	0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2019	Mid-Flood	Cloudy	Moderate	9:46	11	M	5.5	1	5	NA	NA	NA	NA	NA	NA	NA	0.46	0.06	0.05	0.57	0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2019	Mid-Flood	Cloudy	Moderate	9:46	11	M	5.5	2	6	NA	NA	NA	NA	NA	NA	NA	0.41	0.05	0.05	0.51	0.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2019	Mid-Flood	Cloudy	Moderate	9:46	11	M	5.5	3	NA	NA	NA	NA	NA	NA	NA	NA	0.45	0.06	0.05	0.56	0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2019	Mid-Flood	Cloudy	Moderate	9:46	11	B	10	1	4	NA	NA	NA	NA	NA	NA	NA	0.43	0.05	0.05	0.53	0.53	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2019	Mid-Flood	Cloudy	Moderate	9:46	11	B	10	2	4	NA	NA	NA	NA	NA	NA	NA	0.44	0.05	0.05	0.54	0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2019	Mid-Flood	Cloudy	Moderate	9:46	11	B	10	3	NA	NA	NA	NA	NA	NA	NA	NA	0.47	0.05	0.05	0.57	0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2019	Mid-Flood	Cloudy	Moderate	8:57	15	S	1	1	5	0.50	0.49	0.48	0.043	0.043	0.042	0.043	NA	NA	NA	NA	NA	NA	3300	3723	4200	<0.5	<0.5	0.50	2	2	2	2	2		
SR12	3/8/2019	Mid-Flood	Cloudy	Moderate	8:57	15	S	1	2	6	0.48	0.49	0.48	0.043	0.043	0.042	0.043	NA	NA	NA	NA	NA	NA	3300	3723	4200	<0.5	<0.5	0.50	2	2	2	2	2		
SR12	3/8/2019	Mid-Flood	Cloudy	Moderate	8:57	15	S	1	3	NA	NA	NA	0.032	0.032	0.032	0.032	0.032	NA	NA	NA	NA	NA	NA	3100	2784	2500	<0.5	<0.5	0.50	0.50	2	2	2	2		
SR12	3/8/2019	Mid-Flood	Cloudy	Moderate	8:57	15	M	7.5	1	4	0.48	0.47	0.45	0.030	0.030	0.029	0.030	NA	NA	NA	NA	NA	NA	3100	2784	2500	<0.5	<0.5	0.50	0.50	2	2	2	2		
SR12	3/8/2019	Mid-Flood	Cloudy	Moderate	8:57	15	M	7.5	3	NA	NA	NA	0.032	0.032	0.032	0.032	0.032	NA	NA	NA	NA	NA	NA	2500	2784	3278	<0.5	<0.5	0.50	0.50	2	2	2	2		
SR12	3/8/2019	Mid-Flood	Cloudy	Moderate	8:57	15	B	14	1	6	0.44	0.46	0.48	0.023	0.024	0.023	0.024	NA	NA	NA	NA	NA	NA	3300	3399	3500	<0.5	<0.5	0.50	1	1	1	1	1		
SR12	3/8/2019	Mid-Flood	Cloudy	Moderate	8:57	15	B	14	2	7	0.48	0.46	0.48	0.023	0.024	0.023	0.024	NA	NA	NA	NA	NA	NA	3300	3399	3500	<0.5	<0.5	0.50	1	1	1	1	1		
SR12	3/8/2019	Mid-Flood	Cloudy	Moderate	8:57	15	B	14	3	NA	NA	NA	0.024	0.024	0.024	0.024	0.024	NA	NA	NA	NA	NA	NA	3500	3399	3500	<0.5	<0.5	0.50	1	1	1	1	1		
SR13	3/8/2019	Mid-Flood	Cloudy	Moderate	8:46	14	S	1	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Flood	Cloudy	Moderate	8:46	14	S	1	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Flood	Cloudy	Moderate	8:46	14	S	1	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Flood	Cloudy	Moderate	8:46	14	M	7	1	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Flood	Cloudy	Moderate	8:46	14	M	7	2	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Flood	Cloudy	Moderate	8:46	14	M	7	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Flood	Cloudy	Moderate	8:46	14	B	13	1	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Flood	Cloudy	Moderate	8:46	14	B	13	2	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	3/8/2019	Mid-Flood	Cloudy	Moderate	8:46	14	B	13	3	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																										
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	S	1	1	8.20	8.20	28.41	28.41	27.23	27.23	90.7	90.7	6.27	6.27	6.27	2.2	2.2	2.2	0.26	0.26	0.26	0.021	0.021	0.021	0.26	0.05	0.05	0.36	0.36		
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	S	1	2	8.20	8.20	28.41	28.41	27.23	27.23	90.7	90.7	6.27	6.27	6.27	2.2	2.2	2.2	0.27	0.27	0.27	0.021	0.021	0.021	0.27	0.05	0.05	0.37	0.36		
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	S	1	3																											
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	M	14	1	8.17	8.17	28.74	28.74	26.51	26.51	71.2	71.2	4.91	4.91	4.91	2.3	2.3	2.3	0.28	0.28	0.28	0.020	0.020	0.020	0.28	0.05	0.05	0.38	0.38		
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	M	14	2	8.17	8.17	28.74	28.74	26.51	26.51	71.2	71.2	4.91	4.91	4.91	2.3	2.3	2.3	0.28	0.28	0.28	0.020	0.020	0.020	0.28	0.05	0.05	0.38	0.38		
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	M	14	3																											
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	B	27	1	8.11	8.11	29.14	29.14	25.81	25.81	52.0	52.0	3.56	3.56	3.56	2.6	2.6	2.6	0.29	0.29	0.29	0.017	0.017	0.017	0.29	0.05	0.05	0.40	0.40		
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	B	27	2	8.11	8.11	29.14	29.14	25.81	25.81	52.0	52.0	3.56	3.56	3.56	2.6	2.6	2.6	0.30	0.30	0.30	0.018	0.018	0.018	0.30	0.05	0.05	0.41	0.40		
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	B	27	3																											
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	S	1	1	8.24	8.24	28.11	28.11	27.11	27.11	111.1	111.1	7.60	7.60	7.60	1.4	1.4	1.4	0.49	0.49	0.49	0.042	0.042	0.042	0.49	0.04	0.03	0.56	0.56		
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	S	1	2	8.24	8.24	28.11	28.11	27.11	27.11	111.1	111.1	7.60	7.60	7.60	1.4	1.4	1.4	0.49	0.49	0.49	0.042	0.042	0.042	0.49	0.04	0.03	0.56	0.56		
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	S	1	3																											
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	M	6.5	1	8.12	8.13	28.51	28.51	26.82	26.82	57.1	57.1	3.94	3.94	3.94	1.6	1.6	1.6	0.54	0.54	0.54	0.036	0.036	0.036	0.54	0.04	0.04	0.62	0.62		
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	M	6.5	2	8.14	8.13	28.52	28.52	26.82	26.82	57.0	57.1	3.93	3.94	3.94	1.6	1.6	1.6	0.53	0.53	0.53	0.035	0.035	0.035	0.53	0.04	0.04	0.61	0.62		
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	M	6.5	3																											
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	B	12	1	8.05	8.05	29.12	29.12	26.32	26.32	37.6	37.6	3.01	3.02	3.02	1.5	1.5	1.5	0.57	0.57	0.57	0.031	0.031	0.031	0.57	0.04	0.04	0.65	0.66		
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	B	12	2	8.05	8.05	29.12	29.12	26.33	26.33	37.6	37.6	3.03	3.02	3.02	1.5	1.5	1.5	0.60	0.60	0.60	0.032	0.032	0.032	0.60	0.04	0.04	0.68	0.66		
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	B	12	3																											
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	S	1	1	8.24	8.24	28.65	28.65	27.18	27.18	98.1	98.1	6.40	6.40	6.40	2.4	2.4	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	S	1	2	8.24	8.24	28.65	28.65	27.18	27.18	98.2	98.2	6.41	6.41	6.41	2.4	2.4	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	S	1	3																											
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	M	6	1	8.19	8.19	28.79	28.79	26.80	26.80	90.2	90.2	6.24	6.24	6.24	2.7	2.7	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	M	6	2	8.18	8.19	28.79	28.79	26.80	26.80	90.2	90.2	6.24	6.24	6.24	2.7	2.7	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	M	6	3																											
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	B	11	1	8.11	8.11	29.10	29.10	26.41	26.41	82.4	82.4	5.70	5.70	5.70	2.8	2.8	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	B	11	2	8.10	8.11	29.10	29.10	26.41	26.41	82.4	82.4	5.70	5.70	5.70	2.8	2.8	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	B	11	3																											
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	S	1	1	8.03	8.03	28.46	28.46	27.20	27.20	92.1	92.1	6.39	6.39	6.39	2.4	2.4	2.4	0.42	0.42	0.42	0.023	0.023	0.023	NA	NA	NA	NA	NA	NA	
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	S	1	2	8.03	8.03	28.46	28.46	27.20	27.20	92.1	92.1	6.39	6.39	6.39	2.4	2.4	2.4	0.42	0.42	0.42	0.023	0.023	0.023	NA	NA	NA	NA	NA	NA	
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	S	1	3																											
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	M	4.5	1	8.17	8.18	28.72	28.72	26.80	26.80	77.0	77.1	5.37	5.38	5.38	2.5	2.5	2.5	0.41	0.41	0.41	0.029	0.029	0.029	NA	NA	NA	NA	NA	NA	
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	M	4.5	2	8.18	8.18	28.72	28.72	26.00	26.40	77.1	77.1	5.38	5.38	5.38	2.5	2.5	2.5	0.41	0.41	0.41	0.029	0.029	0.029	NA	NA	NA	NA	NA	NA	
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	M	4.5	3																											
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	B	8	1	8.11	8.11	29.12	29.12	26.41	26.41	72.4	72.4	5.03	5.03	5.03	2.2	2.2	2.2	0.39	0.39	0.39	0.024	0.024	0.024	NA	NA	NA	NA	NA	NA	
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	B	8	2	8.10	8.11	29.12	29.12	26.41	26.41	72.4	72.4	5.03	5.03	5.03	2.2	2.2	2.2	0.39	0.39	0.39	0.024	0.024	0.024	NA	NA	NA	NA	NA	NA	
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	B	8	3																											
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	S	1	1	8.25	8.25	26.31	26.31	27.17	27.17	97.9	97.9	6.38	6.38	6.38	2.2	2.2	2.2	0.45	0.45	0.45	0.040	0.040	0.040	NA	NA	NA	NA	NA	NA	
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	S	1	2	8.25	8.25	26.31	26.31	27.17	27.17	97.9	97.9	6.38	6.38	6.38	2.2	2.2	2.2	0.45	0.45	0.45	0.040	0.040	0.040	NA	NA	NA	NA	NA	NA	
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	S	1	3																											
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	M	4	1	8.16	8.16	26.71	26.71	26.78																						

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																											
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)				
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.		
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	S	1	1	8.23	28.44	28.44	27.16	27.16	86.4	86.5	5.97	5.98	5.98	2.1	2.1	2.1	0.42	0.42	0.42	0.035	0.035	0.035	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	S	1	3	8.23	28.44	28.44	27.16	27.16	86.6	86.5	5.98	5.98	5.98	2.1	2.1	2.1	0.42	0.42	0.42	0.035	0.035	0.035	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	S	1	3	8.23	28.44	28.44	27.16	27.16	86.6	86.5	5.98	5.98	5.98	2.1	2.1	2.1	0.42	0.42	0.42	0.035	0.035	0.035	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	M	1	3	8.23	28.44	28.44	27.16	27.16	86.6	86.5	5.98	5.98	5.98	2.1	2.1	2.1	0.42	0.42	0.42	0.035	0.035	0.035	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	M	1	3	8.23	28.44	28.44	27.16	27.16	86.6	86.5	5.98	5.98	5.98	2.1	2.1	2.1	0.42	0.42	0.42	0.035	0.035	0.035	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	M	1	3	8.23	28.44	28.44	27.16	27.16	86.6	86.5	5.98	5.98	5.98	2.1	2.1	2.1	0.42	0.42	0.42	0.035	0.035	0.035	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	B	3	1	8.18	28.98	28.99	26.42	26.43	82.6	82.6	5.70	5.70	5.70	2.2	2.2	2.2	0.43	0.43	0.43	0.031	0.031	0.031	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	B	3	2	8.19	28.99	28.99	26.43	26.43	82.6	82.6	5.70	5.70	5.70	2.2	2.2	2.2	0.43	0.43	0.43	0.031	0.031	0.031	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	B	3	3	8.19	28.99	28.99	26.43	26.43	82.6	82.6	5.70	5.70	5.70	2.2	2.2	2.2	0.43	0.43	0.43	0.031	0.031	0.031	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	S	1	1	8.24	28.42	28.42	27.18	27.18	91.9	92.0	6.38	6.39	6.39	2.3	2.3	2.3	NA	NA	NA	NA	NA	NA	0.46	0.05	0.05	0.56	0.56	0.56	0.56	0.56	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	S	1	2	8.24	28.42	28.42	27.18	27.18	92.0	92.0	6.38	6.39	6.39	2.3	2.3	2.3	NA	NA	NA	NA	NA	NA	0.45	0.05	0.05	0.55	0.55	0.55	0.55	0.55	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	S	1	3	8.24	28.42	28.42	27.18	27.18	92.0	92.0	6.38	6.39	6.39	2.3	2.3	2.3	NA	NA	NA	NA	NA	NA	0.46	0.05	0.05	0.56	0.56	0.56	0.56	0.56	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	M	5.5	1	8.16	28.74	28.74	26.82	26.82	75.8	75.8	5.28	5.28	5.28	2.3	2.3	2.3	NA	NA	NA	NA	NA	NA	0.43	0.05	0.05	0.53	0.53	0.53	0.53	0.53	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	M	5.5	2	8.16	28.74	28.74	26.82	26.82	75.8	75.8	5.28	5.28	5.28	2.3	2.3	2.3	NA	NA	NA	NA	NA	NA	0.44	0.05	0.05	0.54	0.54	0.54	0.54	0.54	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	M	5.5	3	8.16	28.74	28.74	26.82	26.82	75.8	75.8	5.28	5.28	5.28	2.3	2.3	2.3	NA	NA	NA	NA	NA	NA	0.45	0.05	0.05	0.55	0.55	0.55	0.55	0.55	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	B	10	1	8.07	29.11	29.11	26.44	26.44	71.7	71.7	4.97	4.97	4.97	2.3	2.3	2.3	NA	NA	NA	NA	NA	NA	0.45	0.05	0.06	0.56	0.56	0.56	0.56	0.56	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	B	10	2	8.07	29.11	29.11	26.44	26.44	71.7	71.7	4.97	4.97	4.97	2.3	2.3	2.3	NA	NA	NA	NA	NA	NA	0.45	0.05	0.06	0.56	0.56	0.56	0.56	0.56	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	B	10	3	8.07	29.11	29.11	26.44	26.44	71.7	71.7	4.97	4.97	4.97	2.3	2.3	2.3	NA	NA	NA	NA	NA	NA	0.44	0.05	0.06	0.55	0.55	0.55	0.55	0.55	
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	S	1	1	8.24	28.51	28.51	27.12	27.12	76.4	76.5	5.28	5.29	5.29	2.4	2.4	2.4	0.45	0.45	0.45	0.039	0.039	0.039	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	S	1	2	8.24	28.51	28.51	27.12	27.12	76.5	76.5	5.29	5.29	5.29	2.4	2.4	2.4	0.45	0.45	0.45	0.039	0.039	0.039	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	S	1	3	8.24	28.51	28.51	27.12	27.12	76.5	76.5	5.29	5.29	5.29	2.4	2.4	2.4	0.45	0.45	0.45	0.039	0.039	0.039	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	M	7.5	1	8.15	28.77	28.78	26.84	26.84	73.0	73.0	5.04	5.04	5.04	2.2	2.2	2.2	0.46	0.46	0.46	0.032	0.032	0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	M	7.5	2	8.15	28.78	28.78	26.84	26.84	73.0	73.0	5.04	5.04	5.04	2.2	2.2	2.2	0.46	0.46	0.46	0.032	0.032	0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	M	7.5	3	8.15	28.78	28.78	26.84	26.84	73.0	73.0	5.04	5.04	5.04	2.2	2.2	2.2	0.46	0.46	0.46	0.032	0.032	0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	B	14	1	8.04	29.22	29.22	26.35	26.35	71.0	71.0	4.91	4.92	4.92	2.6	2.6	2.6	0.46	0.46	0.46	0.024	0.024	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	B	14	2	8.04	29.22	29.22	26.35	26.35	71.0	71.0	4.92	4.92	4.92	2.6	2.6	2.6	0.46	0.46	0.46	0.024	0.024	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	B	14	3	8.04	29.22	29.22	26.35	26.35	71.0	71.0	4.92	4.92	4.92	2.6	2.6	2.6	0.46	0.46	0.46	0.024	0.024	0.024	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	S	1	1	8.26	28.20	28.20	27.07	27.07	66.0	66.0	4.55	4.55	4.55	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	S	1	2	8.26	28.20	28.20	27.07	27.07	66.0	66.0	4.55	4.55	4.55	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	S	1	3	8.26	28.20	28.20	27.07	27.07	66.0	66.0	4.55	4.55	4.55	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	M	7	1	8.18	28.61	28.62	26.78	26.78	52.6	52.6	5.65	5.65	5.65	1.6	1.6	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	M	7	2	8.17	28.63	28.62	26.78	26.78	52.5	52.6	5.64	5.65	5.65	1.7	1.6	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	M	7	3	8.17	28.63	28.62	26.78	26.78	52.5	52.6	5.64	5.65	5.65	1.7	1.6	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	B	13	1	8.06	29.14	29.14	26.37	26.37	50.7	50.8	5.50	5.51	5.51	1.6	1.6	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	B	13	2	8.05																											

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	S	1	1		0.26			0.021			0.26	0.04	0.04	0.34				280			<0.5			<1			
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	S	1	2	6	0.28	0.27		0.022	0.021		0.28	0.05	0.04	0.37	0.35		280	280		<0.5	0.50		<1	1			
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	S	1	3							0.25	0.05	0.04	0.34														
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	M	14	1	7	0.27			0.019			0.27	0.04	0.04	0.35			290			<0.5			<1				
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	M	14	2	7	0.28	0.28	0.28	0.020	0.019		0.28	0.04	0.04	0.36	0.36	0.36	290	253	274	<0.5	0.50	0.50	<1	1	1		
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	M	14	3							0.28	0.05	0.04	0.37														
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	B	27	1	9	0.27			0.016			0.27	0.05	0.04	0.36			350			<0.5			<1				
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	B	27	2	9	0.29	0.28		0.017	0.017		0.29	0.05	0.04	0.38	0.37		240	290		<0.5	0.50		<1	1			
C1A	3/8/2019	Mid-Ebb	Fine	Rough	11:35	28	B	27	3							0.29	0.05	0.04	0.38														
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	S	1	1	3	0.48			0.041			0.48	0.04	0.03	0.55			4600			<0.5			<1				
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	S	1	2	3	0.49	0.49		0.042	0.041		0.49	0.04	0.03	0.56	0.58		4400	4499		<0.5	0.50		<1	1			
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	S	1	3							0.55	0.04	0.03	0.62														
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	M	6.5	1	3	0.56			0.037			0.56	0.04	0.03	0.63			3700			<0.5			<1				
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	M	6.5	2	3	0.65	0.61	0.56	0.043	0.040	0.038	0.65	0.04	0.03	0.72	0.63	0.61	3400	3547	3803	<0.5	0.50	0.50	<1	1	1		
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	M	6.5	3							0.48	0.04	0.03	0.55														
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	B	12	1	2	0.57			0.031			0.57	0.04	0.03	0.64			4100			<0.5			2				
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	B	12	2	3	0.60	0.59		0.032	0.032		0.60	0.04	0.03	0.67	0.62		2900	3448		<0.5	0.50		2	2			
C2A	3/8/2019	Mid-Ebb	Cloudy	Moderate	13:03	13	B	12	3							0.47	0.04	0.03	0.54														
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	S	1	1	5	NA	NA		NA	NA		0.41	0.05	0.05	0.51			NA	NA		NA	NA		NA	NA			
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	S	1	2	4	NA	NA		NA	NA		0.40	0.05	0.05	0.50	0.50		NA	NA		NA	NA		NA	NA			
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	S	1	3							0.38	0.05	0.05	0.48														
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	M	6	1	12	NA	NA	NA	NA	NA		0.42	0.05	0.05	0.52			NA	NA		NA	NA		NA	NA			
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	M	6	2	12	NA	NA	NA	NA	NA		0.38	0.05	0.05	0.48	0.54	0.51	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	M	6	3							0.53	0.05	0.05	0.63														
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	B	11	1	4	NA	NA		NA	NA		0.36	0.05	0.05	0.46			NA	NA		NA	NA		NA	NA			
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	B	11	2	4	NA	NA	NA	NA	NA		0.41	0.05	0.05	0.51	0.49		NA	NA		NA	NA		NA	NA			
G2	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:06	12	B	11	3							0.39	0.05	0.05	0.49														
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	S	1	1	4	0.42			0.023			NA	NA	NA	NA			NA	NA		NA	NA		NA	NA			
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	S	1	2	4	0.41	0.42		0.023	0.023		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	S	1	3							NA	NA	NA	NA														
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	M	4.5	1	4	0.40			0.028			NA	NA	NA	NA			NA	NA		NA	NA		NA	NA			
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	M	4.5	2	5	0.38	0.39	0.40	0.028	0.028	0.025	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	M	4.5	3							NA	NA	NA	NA														
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	B	8	1	4	0.39			0.024			NA	NA	NA	NA			NA	NA		NA	NA		NA	NA			
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	B	8	2	4	0.41	0.40		0.025	0.024		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR2	3/8/2019	Mid-Ebb	Fine	Rough	11:59	9	B	8	3							NA	NA	NA	NA														
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	S	1	1	4	0.47			0.042			NA	NA	NA	NA			NA	NA		NA	NA		NA	NA			
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	S	1	2	5	0.43	0.45		0.038	0.040		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	S	1	3							NA	NA	NA	NA														
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	M	4	1	5	0.43			0.030			NA	NA	NA	NA			NA	NA		NA	NA		NA	NA			
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	M	4	2	5	0.41	0.42	0.44	0.029	0.030	0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	M	4	3							NA	NA	NA	NA														
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	B	7	1	5	0.43			0.026			NA	NA	NA	NA			NA	NA		NA	NA		NA	NA			
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	B	7	2	5	0.44	0.44		0.027	0.027		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR3	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:15	8	B	7	3							NA	NA	NA	NA														

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																									
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)				
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.		
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	S	1	1	6	0.40	0.44	0.42	0.034	0.037	0.035	NA	NA	NA	NA	NA	7900	8888	NA	8480	<0.5	<0.5	0.50	2	1	1	1			
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	S	1	2	5	0.44	0.42	0.42	0.037	0.035	0.035	NA	NA	NA	NA	NA	10000	8888	NA	8480	<0.5	<0.5	0.50	1	1	1	1			
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	S	1	3	3	0.44	0.42	0.42	0.037	0.035	0.035	NA	NA	NA	NA	NA	10000	8888	NA	8480	<0.5	<0.5	0.50	1	1	1	1			
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	M	1	1	6	0.44	0.42	0.42	0.037	0.035	0.035	NA	NA	NA	NA	NA	10000	8888	NA	8480	<0.5	<0.5	0.50	1	1	1	1			
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	M	2	2	5	0.44	0.42	0.42	0.037	0.035	0.035	NA	NA	NA	NA	NA	10000	8888	NA	8480	<0.5	<0.5	0.50	1	1	1	1			
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	M	3	3	3	0.44	0.42	0.42	0.037	0.035	0.035	NA	NA	NA	NA	NA	10000	8888	NA	8480	<0.5	<0.5	0.50	1	1	1	1			
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	B	3	1	7	0.43	0.43	0.43	0.031	0.031	0.031	NA	NA	NA	NA	NA	8500	8090	NA	8480	<0.5	<0.5	0.50	1	1	1	1			
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	B	3	2	6	0.42	0.43	0.43	0.031	0.031	0.031	NA	NA	NA	NA	NA	7700	8090	NA	8480	<0.5	<0.5	0.50	1	1	1	1			
SR4	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:26	4	B	3	3	3	0.42	0.43	0.43	0.031	0.031	0.031	NA	NA	NA	NA	NA	7700	8090	NA	8480	<0.5	<0.5	0.50	1	1	1	1			
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	S	1	1	4	NA	NA	NA	NA	NA	NA	0.56	0.06	0.05	0.67	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	S	1	2	3	NA	NA	NA	NA	NA	NA	0.45	0.05	0.05	0.55	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	S	1	3	3	NA	NA	NA	NA	NA	NA	0.43	0.05	0.05	0.53	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	M	5.5	1	3	NA	NA	NA	NA	NA	NA	0.43	0.05	0.05	0.53	0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	M	5.5	2	4	NA	NA	NA	NA	NA	NA	0.44	0.05	0.05	0.54	0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	M	5.5	3	3	NA	NA	NA	NA	NA	NA	0.44	0.05	0.05	0.54	0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	B	10	1	4	NA	NA	NA	NA	NA	NA	0.45	0.05	0.05	0.55	0.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	B	10	2	4	NA	NA	NA	NA	NA	NA	0.45	0.06	0.05	0.56	0.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2019	Mid-Ebb	Fine	Rough	11:47	11	B	10	3	3	NA	NA	NA	NA	NA	NA	0.44	0.05	0.05	0.54	0.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	S	1	1	5	0.47	0.43	0.45	0.040	0.037	0.039	NA	NA	NA	NA	NA	2000	2000	NA	2602	<0.5	<0.5	0.50	1	<1	1	1	1		
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	S	1	2	4	0.43	0.45	0.45	0.037	0.039	0.039	NA	NA	NA	NA	NA	2000	2000	NA	2602	<0.5	<0.5	0.50	<1	<1	1	1	1		
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	S	1	3	3	0.43	0.45	0.45	0.037	0.039	0.039	NA	NA	NA	NA	NA	2000	2000	NA	2602	<0.5	<0.5	0.50	<1	<1	1	1	1	1	
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	M	7.5	1	6	0.46	0.46	0.46	0.032	0.032	0.031	NA	NA	NA	NA	NA	2300	2755	2602	2602	<0.5	<0.5	0.50	<1	<1	1	1	1	1	
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	M	7.5	2	7	0.46	0.46	0.46	0.032	0.032	0.031	NA	NA	NA	NA	NA	2300	2755	2602	2602	<0.5	<0.5	0.50	<1	<1	1	1	1	1	
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	M	7.5	3	3	0.46	0.46	0.46	0.032	0.032	0.031	NA	NA	NA	NA	NA	2300	2755	2602	2602	<0.5	<0.5	0.50	<1	<1	1	1	1	1	
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	B	14	1	7	0.45	0.46	0.46	0.024	0.024	0.024	NA	NA	NA	NA	NA	3300	3198	NA	2602	<0.5	<0.5	0.50	<1	<1	1	1	1	1	
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	B	14	2	6	0.46	0.46	0.46	0.024	0.024	0.024	NA	NA	NA	NA	NA	3100	3198	NA	2602	<0.5	<0.5	0.50	<1	<1	1	1	1	1	
SR12	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:37	15	B	14	3	3	0.46	0.46	0.46	0.024	0.024	0.024	NA	NA	NA	NA	NA	3100	3198	NA	2602	<0.5	<0.5	0.50	<1	<1	1	1	1	1	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	S	1	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	S	1	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	S	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	M	7	1	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	M	7	2	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	M	7	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	B	13	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	B	13	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2019	Mid-Ebb	Cloudy	Moderate	12:49	14	B	13	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																										
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)				
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	S	1	1	8.27	25.23	25.28	27.60	27.61	27.60	68.5	68.6	4.69	4.69	3.0	3.0	4.0	0.16	0.16	0.17	0.015	0.015	0.016	0.16	0.52	0.15	0.83				
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	S	1	2	8.26	25.28	25.26	27.61	27.60	68.6	68.6	4.69	4.69	3.0	3.0	4.0	0.16	0.16	0.17	0.015	0.015	0.016	0.16	0.53	0.15	0.84	0.84				
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	S	1	3																											
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	M	14	1	8.28	25.89	25.89	27.55	27.55	67.8	67.7	4.64	4.63	3.8	3.8	4.0	0.16	0.17	0.17	0.015	0.016	0.016	0.16	0.54	0.15	0.85					
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	M	14	2	8.26	25.88	25.89	27.54	27.55	67.5	67.7	4.62	4.63	3.8	3.8	4.0	0.16	0.17	0.17	0.015	0.016	0.016	0.16	0.54	0.15	0.86	0.86				
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	M	14	3																											
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	B	27	1	8.28	26.92	26.93	27.39	27.39	65.7	65.8	4.48	4.48	5.2	5.2	4.0	0.18	0.17	0.18	0.017	0.016	0.017	0.18	0.56	0.16	0.90					
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	B	27	2	8.28	26.93	26.93	27.39	27.39	65.8	65.8	4.48	4.48	5.2	5.2	4.0	0.17	0.18	0.18	0.016	0.017	0.017	0.17	0.57	0.16	0.90	0.90				
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	B	27	3																											
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	S	1	1	8.15	27.02	27.04	27.54	27.53	67.0	66.9	4.54	4.54	2.6	2.6	2.7	0.43	0.43	0.43	0.032	0.032	0.032	0.43	0.28	0.05	0.76					
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	S	1	2	8.16	27.05	27.04	27.53	27.53	66.7	66.9	4.53	4.54	2.6	2.6	2.7	0.43	0.43	0.43	0.032	0.032	0.032	0.43	0.28	0.05	0.76	0.76				
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	S	1	3																											
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	M	6.5	1	8.20	27.29	27.29	27.48	27.48	65.2	65.2	4.42	4.42	2.1	2.1	2.7	0.42	0.43	0.43	0.035	0.035	0.035	0.42	0.27	0.06	0.75					
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	M	6.5	2	8.21	27.28	27.29	27.48	27.48	65.2	65.2	4.42	4.42	2.0	2.1	2.7	0.43	0.43	0.43	0.035	0.035	0.035	0.43	0.28	0.06	0.77	0.75	0.75			
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	M	6.5	3																											
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	B	12	1	8.22	27.71	27.72	27.47	27.47	61.9	61.9	4.19	4.19	3.3	3.4	2.7	0.42	0.42	0.42	0.035	0.035	0.035	0.42	0.26	0.06	0.74					
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	B	12	2	8.21	27.72	27.72	27.47	27.47	61.8	61.9	4.18	4.19	3.4	3.4	2.7	0.42	0.42	0.42	0.035	0.035	0.035	0.42	0.27	0.06	0.75	0.74	0.74			
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	B	12	3																											
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	S	1	1	8.23	23.14	23.15	27.83	27.83	73.1	72.8	5.03	5.01	2.3	2.3	3.2	NA	NA	NA	NA	NA	NA	NA	0.18	0.51	0.13	0.82				
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	S	1	2	8.22	23.15	23.15	27.84	27.83	72.8	73.0	4.99	5.01	2.3	2.3	3.2	NA	NA	NA	NA	NA	NA	NA	0.18	0.50	0.13	0.81	0.81			
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	S	1	3																											
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	M	6	1	8.25	25.49	25.47	27.50	27.50	64.9	64.9	4.44	4.44	3.8	3.8	3.2	NA	NA	NA	NA	NA	NA	NA	0.18	0.50	0.14	0.82				
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	M	6	2	8.26	25.45	25.47	27.50	27.50	64.8	64.9	4.44	4.44	3.8	3.8	3.2	NA	NA	NA	NA	NA	NA	NA	0.19	0.49	0.14	0.82	0.82			
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	M	6	3																											
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	B	11	1	8.27	26.81	26.82	27.40	27.40	64.5	64.5	4.39	4.40	3.4	3.4	3.2	NA	NA	NA	NA	NA	NA	NA	0.18	0.52	0.16	0.86				
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	B	11	2	8.27	26.82	26.82	27.40	27.40	64.5	64.5	4.40	4.40	3.4	3.4	3.2	NA	NA	NA	NA	NA	NA	NA	0.18	0.51	0.15	0.84	0.86			
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	B	11	3																											
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	S	1	1	8.22	23.52	23.51	27.73	27.73	71.1	71.2	4.85	4.86	2.0	2.0	2.8	0.19	0.19	0.19	0.017	0.017	0.017	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	S	1	2	8.23	23.50	23.51	27.74	27.73	71.2	71.2	4.86	4.86	2.0	2.0	2.8	0.19	0.19	0.19	0.017	0.017	0.017	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	S	1	3																											
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	M	4.5	1	8.23	26.03	26.05	27.46	27.46	68.3	68.3	4.66	4.66	3.3	3.3	2.8	0.18	0.18	0.18	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	M	4.5	2	8.23	26.07	26.05	27.46	27.46	68.2	68.3	4.65	4.66	3.3	3.3	2.8	0.18	0.18	0.18	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	M	4.5	3																											
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	B	8	1	8.28	27.45	27.46	27.37	27.37	64.3	64.2	4.38	4.37	3.1	3.1	2.8	0.18	0.18	0.18	0.017	0.017	0.017	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	B	8	2	8.28	27.46	27.46	27.37	27.37	64.1	64.2	4.35	4.37	3.1	3.1	2.8	0.18	0.18	0.18	0.017	0.017	0.017	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	B	8	3																											
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	S	1	1	8.23	23.06	23.07	27.83	27.83	73.5	73.5	5.07	5.07	1.9	1.9	2.8	0.22	0.22	0.22	0.020	0.020	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	S	1	2	8.23	23.08	23.07	27.83	27.83	73.4	73.5	5.06	5.07	1.9	1.9	2.8	0.22	0.22	0.22	0.020	0.020	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	S	1	3																											
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	M	4	1	8.23	24.68	24.69	27.58	27.58	68.1	67.3	4.67	4.64	2.6	2.6	2.8	0.21	0.21													

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																													
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)			TIN-Nitrate (mg/L-N)			TIN-Nitrite (mg/L-N)			Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.			
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	S	1	1	4	0.16			0.015	0.015		0.16	0.50	0.14	0.80				360			NA			<1									
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	S	1	2	5	0.16	0.16		0.015	0.015		0.16	0.54	0.14	0.84	0.83			380	370		NA	NA		<1	1								
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	S	1	3																		NA	NA											
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	M	14	1	3	0.16			0.015	0.015		0.16	0.55	0.15	0.85				440			NA			<1									
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	M	14	2	4	0.16	0.16	0.17	0.015	0.015	0.016	0.16	0.55	0.15	0.86	0.86	0.85		460	450	384	NA	NA	NA	<1	1	1							
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	M	14	3																		NA	NA											
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	B	27	1	3	0.19			0.018	0.018		0.19	0.56	0.15	0.90				340			NA			<1									
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	B	27	2	4	0.16	0.18		0.015	0.017		0.16	0.55	0.15	0.86	0.87			340	340		NA	NA		<1	1								
C1A	6/8/2019	Mid-Flood	Fine	Moderate	13:00	28	B	27	3																		NA	NA											
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	S	1	1	6	0.43			0.032	0.032		0.43	0.27	0.05	0.75	0.75			12000	11489		NA	NA		<1									
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	S	1	2	5	0.42	0.43		0.031	0.032		0.42	0.27	0.05	0.74						NA	NA		<1	1									
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	S	1	3																		NA	NA											
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	M	6.5	1	5	0.42			0.035	0.035		0.42	0.26	0.05	0.73				11000			NA			<1									
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	M	6.5	2	4	0.41	0.42	0.42	0.034	0.034	0.034	0.41	0.27	0.05	0.73	0.73	0.74		11000	11000	11800	NA	NA	NA	<1	1	1							
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	M	6.5	3																		NA	NA											
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	B	12	1	5	0.44			0.037	0.037		0.44	0.27	0.05	0.76				13000			NA			1									
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	B	12	2	5	0.42	0.43		0.035	0.036		0.42	0.27	0.05	0.74	0.74			13000	13000		NA	NA		<1	1								
C2A	6/8/2019	Mid-Flood	Fine	Moderate	11:31	13	B	12	3																		NA	NA											
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	S	1	1	4	NA			NA	NA		0.17	0.48	0.13	0.78						NA	NA		NA	NA									
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	S	1	2	4	NA	NA		NA	NA		0.18	0.50	0.13	0.81	0.80			NA	NA		NA	NA		NA	NA								
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	S	1	3																		NA	NA											
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	M	6	1	4	NA			NA	NA		0.17	0.50	0.14	0.81						NA	NA		NA	NA									
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	M	6	2	5	NA	NA		NA	NA		0.17	0.49	0.15	0.81	0.82	0.82		NA	NA	NA	NA	NA		NA	NA								
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	M	6	3																		NA	NA											
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	B	11	1	5	NA			NA	NA		0.18	0.51	0.14	0.83						NA	NA		NA	NA									
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	B	11	2	4	NA	NA		NA	NA		0.18	0.51	0.14	0.83	0.84			NA	NA		NA	NA		NA	NA								
G2	6/8/2019	Mid-Flood	Fine	Moderate	12:28	12	B	11	3																		NA	NA											
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	S	1	1	4	0.19			0.017	0.017		0.19	0.52	0.14	0.87						NA	NA		NA	NA									
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	S	1	2	4	0.17	0.18		0.015	0.016		0.17	0.48	0.13	0.78				NA	NA		NA	NA		NA	NA								
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	S	1	3																		NA	NA											
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	M	4.5	1	4	0.17			0.015	0.015		0.17	0.49	0.15	0.81				NA	NA		NA	NA		NA	NA								
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	M	4.5	2	3	0.18	0.18	0.18	0.016	0.015	0.016	0.18	0.50	0.14	0.81	0.82			NA	NA	NA	NA	NA		NA	NA								
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	M	4.5	3																		NA	NA											
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	B	8	1	4	0.17			0.016	0.016		0.17	0.48	0.13	0.78				NA	NA		NA	NA		NA	NA								
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	B	8	2	4	0.18	0.18		0.017	0.017		0.18	0.50	0.14	0.81	0.84			NA	NA		NA	NA		NA	NA								
SR2	6/8/2019	Mid-Flood	Fine	Moderate	12:33	9	B	8	3																		NA	NA											
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	S	1	1	3	0.22			0.020	0.020		0.22	0.52	0.14	0.87						NA	NA		NA	NA									
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	S	1	2	3	0.19	0.21		0.017	0.019		0.19	0.48	0.13	0.78				NA	NA		NA	NA		NA	NA								
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	S	1	3																		NA	NA											
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	M	4	1	3	0.17			0.015	0.015		0.17	0.48	0.13	0.78				NA	NA		NA	NA		NA	NA								
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	M	4	2	3	0.20	0.19	0.20	0.018	0.016	0.018	0.20	0.50	0.14	0.81				NA	NA	NA	NA	NA		NA	NA								
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	M	4	3																		NA	NA											
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	B	7	1	2	0.22			0.019	0.019		0.22	0.52	0.14	0.87				NA	NA		NA	NA		NA	NA								
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	B	7	2	3	0.20	0.21		0.017	0.018		0.20	0.50	0.14	0.81	0.84			NA	NA		NA	NA		NA	NA								
SR3	6/8/2019	Mid-Flood	Fine	Moderate	12:20	8	B	7	3																		NA	NA											

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																														
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)								
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.					
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	S	1	1	8.27	25.20	25.21	27.60	27.60	68.4	68.4	4.67	4.66	4.67	3.0	3.0	4.0	0.16	0.17	0.17	0.015	0.016	0.016	0.16	0.17	0.17	0.15	0.15	0.82	0.82	0.83				
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	S	1	2	8.27	25.21	25.21	27.60	27.60	68.3	68.4	4.66	4.67	4.67	3.0	3.0	4.0	0.17	0.17	0.17	0.016	0.016	0.016	0.17	0.49	0.15	0.81	0.16	0.51	0.15	0.82	0.82	0.83		
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	M	14	1	8.25	25.88	25.87	27.55	27.55	67.5	67.5	4.62	4.62	4.62	3.7	3.7	4.0	0.17	0.17	0.17	0.016	0.016	0.016	0.17	0.51	0.16	0.84	0.17	0.52	0.15	0.84	0.84	0.83		
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	M	14	2	8.25	25.86	25.87	27.55	27.55	67.5	67.5	4.62	4.62	4.62	3.7	3.7	4.0	0.17	0.17	0.17	0.016	0.016	0.016	0.17	0.52	0.15	0.84	0.17	0.52	0.15	0.84	0.84	0.83		
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	M	14	3																															
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	B	27	1	8.29	26.99	27.01	27.38	27.39	65.9	65.8	4.50	4.44	4.47	5.2	5.2	4.0	0.16	0.18	0.17	0.015	0.017	0.016	0.16	0.52	0.15	0.83	0.18	0.52	0.15	0.85	0.84	0.83		
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	B	27	2	8.28	27.02	27.01	27.39	27.39	65.6	65.8	4.44	4.47	4.47	5.2	5.2	4.0	0.18	0.17	0.17	0.017	0.016	0.016	0.18	0.52	0.15	0.85	0.18	0.52	0.15	0.85	0.84	0.83		
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	B	27	3																															
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	S	1	1	8.22	26.98	26.97	27.53	27.53	65.6	65.6	4.45	4.45	4.45	2.2	2.2	2.5	0.42	0.42	0.42	0.035	0.035	0.035	0.42	0.25	0.06	0.73	0.42	0.25	0.06	0.73	0.72	0.74		
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	S	1	2	8.21	26.95	26.97	27.53	27.53	65.5	65.6	4.45	4.45	4.45	2.2	2.2	2.5	0.42	0.42	0.42	0.035	0.035	0.035	0.42	0.25	0.06	0.73	0.42	0.25	0.06	0.73	0.72	0.74		
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	S	1	3																															
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	M	6.5	1	8.23	27.24	27.25	27.48	27.48	64.2	64.1	4.36	4.35	4.35	1.9	1.9	2.5	0.42	0.42	0.42	0.036	0.036	0.036	0.42	0.26	0.07	0.75	0.42	0.27	0.06	0.75	0.75	0.74		
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	M	6.5	2	8.21	27.26	27.25	27.48	27.48	64.0	64.1	4.34	4.35	4.35	1.9	1.9	2.5	0.42	0.42	0.42	0.036	0.036	0.036	0.42	0.27	0.06	0.75	0.41	0.26	0.07	0.74	0.75	0.74		
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	M	6.5	3																															
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	B	12	1	8.22	27.66	27.68	27.47	27.47	62.4	62.4	4.22	4.22	4.22	3.5	3.5	2.5	0.40	0.41	0.41	0.033	0.034	0.034	0.40	0.27	0.08	0.75	0.41	0.28	0.08	0.77	0.76	0.76		
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	B	12	2	8.21	27.69	27.68	27.47	27.47	62.4	62.4	4.22	4.22	4.22	3.5	3.5	2.5	0.41	0.41	0.41	0.034	0.034	0.034	0.41	0.28	0.08	0.77	0.41	0.28	0.08	0.77	0.76	0.76		
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	B	12	3																															
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	S	1	1	8.22	23.13	23.14	27.83	27.84	72.8	72.7	4.99	4.98	4.98	2.3	2.3	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.83	
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	S	1	2	8.23	23.15	23.14	27.84	27.84	72.5	72.7	4.96	4.98	4.98	2.3	2.3	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.83
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	S	1	3																															
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	M	6	1	8.25	25.48	25.49	27.50	27.50	64.9	65.0	4.46	4.47	4.47	3.8	3.8	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82	
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	M	6	2	8.25	25.49	25.49	27.50	27.50	65.0	65.0	4.48	4.47	4.47	3.8	3.8	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82	
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	M	6	3																															
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	B	11	1	8.27	26.82	26.83	27.40	27.40	64.3	64.3	4.38	4.38	4.38	3.4	3.4	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.85	
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	B	11	2	8.27	26.83	26.83	27.40	27.40	64.2	64.3	4.38	4.38	4.38	3.4	3.4	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.85	
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	B	11	3																															
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	S	1	1	8.23	23.51	23.52	27.74	27.74	72.1	72.1	4.85	4.86	4.86	2.0	2.0	2.8	0.18	0.18	0.18	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	S	1	2	8.23	23.52	23.52	27.74	27.74	72.0	72.1	4.87	4.86	4.86	2.0	2.0	2.8	0.18	0.18	0.18	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	S	1	3																															
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	M	4.5	1	8.22	26.05	26.06	27.46	27.46	66.5	66.6	4.66	4.65	4.65	3.3	3.3	2.8	0.18	0.18	0.18	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	M	4.5	2	8.23	26.06	26.06	27.46	27.46	66.7	66.6	4.64	4.65	4.65	3.3	3.3	2.8	0.18	0.18	0.18	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	M	4.5	3																															
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	B	8	1	8.28	27.45	27.46	27.37	27.36	65.0	64.9	4.44	4.45	4.45	3.1	3.1	2.8	0.19	0.19	0.19	0.018	0.018	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	B	8	2	8.28	27.46	27.46	27.36	27.36	64.9	65.0	4.45	4.45	4.45	3.1	3.1	2.8	0.19	0.19	0.19	0.018	0.018	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	B	8	3																															
SR3	6/8/2019	Mid-Ebb	Fine	Moderate	14:30	8	S	1	1	8.22	23.05	23.07	27.83	27.83	73.3	73.4	5.04	5.05	5.05	1.9	1.9	2.8	0.21	0.20	0.21	0.019	0.018	0.018	NA	NA	NA	NA	NA							

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																							
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)		
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	S	1	1	8.23	24.28	27.71	70.1	4.82	2.3	0.23	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	S	1	2	8.24	24.27	27.37	70.2	4.83	2.3	0.23	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	S	1	3																								
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	M		1																								
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	M		2																								
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	M		3																								
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	B	3	1	8.23	24.58	27.63	67.0	4.60	2.6	0.23	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	B	3	2	8.22	24.59	27.64	67.0	4.60	2.6	0.23	0.020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	B	3	3																								
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	S	1	1	8.24	23.44	27.93	73.5	5.12	3.0	NA	NA	NA	NA	NA	NA	0.16	0.53	0.14	0.83								
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	S	1	2	8.24	23.42	27.93	73.3	5.10	3.0	NA	NA	NA	NA	NA	NA	0.16	0.54	0.14	0.84		0.83						
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	S	1	3													0.16	0.54	0.13	0.83								
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	M	5.5	1	8.25	26.47	27.47	68.4	4.90	4.8	NA	NA	NA	NA	NA	NA	0.17	0.54	0.14	0.85								
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	M	5.5	2	8.25	26.45	27.47	68.2	4.92	4.7	NA	NA	NA	NA	NA	NA	0.17	0.54	0.15	0.86		0.86						
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	M	5.5	3													0.17	0.54	0.15	0.86								
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	B	10	1	8.29	25.19	27.39	65.6	4.45	5.8	NA	NA	NA	NA	NA	NA	0.18	0.55	0.14	0.87		0.87						
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	B	10	2	8.28	25.17	27.39	65.5	4.44	5.7	NA	NA	NA	NA	NA	NA	0.17	0.54	0.15	0.86								
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	B	10	3													0.17	0.55	0.15	0.87								
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	S	1	1	8.26	26.38	27.50	64.7	4.41	2.7	0.28	0.026	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	S	1	2	8.26	26.39	27.50	64.6	4.40	2.7	0.28	0.026	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	S	1	3																								
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	M	7.5	1	8.25	27.09	27.40	62.6	4.26	3.1	0.29	0.026	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	M	7.5	2	8.26	27.08	27.40	62.5	4.25	3.1	0.28	0.025	0.026	0.026	0.026	0.026	NA	NA	NA	NA	NA	NA						
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	M	7.5	3													NA	NA	NA	NA	NA	NA						
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	B	14	1	8.27	27.57	27.34	61.7	4.19	4.1	0.29	0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	B	14	2	8.27	27.56	27.33	61.7	4.19	4.1	0.29	0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	B	14	3													NA	NA	NA	NA	NA	NA						
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	S	1	1	8.22	26.13	27.59	65.5	4.44	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	S	1	2	8.23	26.12	27.60	65.3	4.42	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	S	1	3																								
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	M	7	1	8.22	26.66	27.47	62.5	4.25	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	M	7	2	8.22	26.69	27.48	62.5	4.25	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	M	7	3																								
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	B	13	1	8.24	26.82	27.45	62.3	4.24	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	B	13	2	8.24	26.85	27.44	62.1	4.23	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																													
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)			TIN-Nitrate (mg/L-N)			TIN-Nitrite (mg/L-N)			Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.			
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	S	1	1	5	0.16			0.015			0.16	0.40	0.15	0.71				390			NA			1									
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	S	1	2	5	0.19	0.18		0.018	0.017		0.19	0.49	0.14	0.82	0.78		430	410		NA	NA		1	1									
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	S	1	3							0.16	0.50	0.15	0.81							NA	NA												
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	M	14	1	5	0.17			0.016			0.17	0.51	0.14	0.82			510			NA			1										
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	M	14	2	4	0.16	0.17	0.17	0.015	0.016		0.16	0.52	0.14	0.82	0.82	0.81	410	457	406	NA	NA		1	1	1								
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	M	14	3							0.15	0.51	0.15	0.81						NA			<1											
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	B	27	1	5	0.15			0.015			0.15	0.51	0.15	0.81			470			NA			<1										
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	B	27	2	6	0.16	0.16		0.015	0.015		0.16	0.52	0.15	0.83	0.83		270	356		NA	NA		<1		1								
C1A	6/8/2019	Mid-Ebb	Fine	Moderate	13:50	28	B	27	3							0.18	0.52	0.14	0.84						NA														
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	S	1	1	5	0.41			0.035			0.41	0.25	0.05	0.71			13000			NA			<1										
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	S	1	2	5	0.40	0.41		0.034	0.034		0.40	0.25	0.05	0.70	0.70		10000	11402		NA	NA		<1	1									
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	S	1	3							0.39	0.25	0.05	0.69						NA														
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	M	6.5	1	5	0.41			0.035			0.41	0.25	0.05	0.71			12000			NA			<1										
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	M	6.5	2	4	0.41	0.41	0.41	0.035	0.035	0.034	0.41	0.25	0.05	0.71	0.71	0.71	11000	11489	11614	NA	NA		<1	1	1								
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	M	6.5	3							0.41	0.25	0.05	0.71						NA														
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	B	12	1	5	0.41			0.034			0.41	0.25	0.05	0.71			13000			NA			<1										
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	B	12	2	5	0.41	0.41		0.034	0.034		0.41	0.26	0.05	0.72	0.71		11000	11958		NA	NA		<1	1									
C2A	6/8/2019	Mid-Ebb	Fine	Moderate	15:18	13	B	12	3							0.41	0.25	0.05	0.71						NA														
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	S	1	1	4	NA			NA			0.18	0.44	0.14	0.76						NA			NA										
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	S	1	2	4	NA	NA		NA	NA		0.19	0.49	0.13	0.81	0.79		NA	NA		NA	NA		NA	NA									
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	S	1	3							0.18	0.49	0.13	0.80						NA														
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	M	6	1	4	NA			NA			0.17	0.48	0.13	0.78			NA			NA			NA	NA									
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	M	6	2	4	NA	NA		NA	NA		0.17	0.48	0.14	0.79	0.79	0.79	NA	NA	NA	NA	NA		NA	NA									
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	M	6	3							0.18	0.49	0.13	0.80						NA														
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	B	11	1	4	NA			NA			0.18	0.48	0.13	0.79			NA			NA			NA	NA									
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	B	11	2	4	NA	NA		NA	NA		0.18	0.49	0.13	0.80	0.80		NA	NA		NA	NA		NA	NA									
G2	6/8/2019	Mid-Ebb	Fine	Moderate	14:21	12	B	11	3							0.18	0.49	0.13	0.80						NA														
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	S	1	1	5	0.17			0.015			NA	NA	NA	NA			NA			NA			NA	NA									
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	S	1	2	4	0.18	0.18		0.016	0.016		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA									
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	S	1	3							NA	NA	NA	NA						NA														
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	M	4.5	1	4	0.18			0.015			NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA									
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	M	4.5	2	4	0.17	0.18	0.18	0.015	0.015	0.016	NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA									
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	M	4.5	3							NA	NA	NA	NA						NA														
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	B	8	1	5	0.18			0.017			NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA									
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	B	8	2	6	0.18	0.18		0.017	0.017		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA									
SR2	6/8/2019	Mid-Ebb	Fine	Moderate	14:14	9	B	8	3							NA	NA	NA	NA						NA														
SR3	6/8/2019	Mid-Ebb	Fine	Moderate	14:30	8	S	1	1	4	0.20			0.018			NA	NA	NA	NA	NA		NA			NA			NA	NA									
SR3	6/8/2019	Mid-Ebb	Fine	Moderate	14:30	8	S	1	2	3	0.20	0.20		0.018	0.018		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA									
SR3	6/8/2019	Mid-Ebb	Fine	Moderate	14:30	8	S	1	3							NA	NA	NA	NA						NA														
SR3	6/8/2019	Mid-Ebb	Fine	Moderate	14:30	8	M	4	1	5	0.19			0.017			NA	NA	NA	NA	NA		NA			NA			NA	NA									
SR3	6/8/2019	Mid-Ebb	Fine	Moderate	14:30	8	M	4	2	4	0.21	0.20	0.20	0.019	0.018	0.018	NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA									
SR3	6/8/2019	Mid-Ebb	Fine	Moderate	14:30	8	M	4	3							NA	NA	NA	NA						NA														
SR3	6/8/2019	Mid-Ebb	Fine	Moderate	14:30	8	B	7	1	4	0.20			0.017			NA	NA	NA	NA	NA		NA			NA			NA	NA									
SR3	6/8/2019	Mid-Ebb	Fine	Moderate	14:30	8	B	7	2	3	0.21	0.21		0.018	0.018		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA									
SR3	6/8/2019	Mid-Ebb	Fine	Moderate	14:30	8	B	7	3							NA	NA	NA	NA						NA														

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																								
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)			
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	S	1	1	4	0.23	0.24	0.24	0.021	0.021	0.021	NA	NA	NA	NA	NA	3200	3098	3172	NA	NA	NA	NA	<1	<1	1	1		
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	S	1	2	3	0.24	0.24	0.24	0.021	0.021	0.021	NA	NA	NA	NA	NA	3000	3098	3172	NA	NA	NA	NA	<1	<1	1	1		
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	S	1	3	4	0.24	0.24	0.24	0.021	0.021	0.021	NA	NA	NA	NA	NA	3000	3098	3172	NA	NA	NA	NA	<1	<1	1	1		
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	M	2	1	1	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA	3100	3247	3172	NA	NA	NA	NA	<1	<1	1	1		
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	M	2	2	2	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA	3100	3247	3172	NA	NA	NA	NA	<1	<1	1	1		
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	B	3	1	3	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA	3400	3247	3172	NA	NA	NA	NA	<1	<1	1	1		
SR4	6/8/2019	Mid-Ebb	Fine	Moderate	14:41	4	B	3	3	3	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA	3400	3247	3172	NA	NA	NA	NA	<1	<1	1	1		
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	S	1	1	5	NA	NA	NA	NA	NA	NA	0.16	0.54	0.14	0.84	0.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	S	1	2	4	NA	NA	NA	NA	NA	NA	0.18	0.54	0.14	0.86	0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	S	1	3	3	NA	NA	NA	NA	NA	NA	0.16	0.53	0.14	0.83	0.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	M	5.5	1	4	NA	NA	NA	NA	NA	NA	0.17	0.54	0.14	0.85	0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	M	5.5	2	4	NA	NA	NA	NA	NA	NA	0.17	0.54	0.14	0.85	0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	M	5.5	3	3	NA	NA	NA	NA	NA	NA	0.17	0.53	0.15	0.85	0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	B	10	1	9	NA	NA	NA	NA	NA	NA	0.17	0.54	0.14	0.85	0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	B	10	2	10	NA	NA	NA	NA	NA	NA	0.17	0.54	0.15	0.86	0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	6/8/2019	Mid-Ebb	Fine	Moderate	14:02	11	B	10	3	3	NA	NA	NA	NA	NA	NA	0.17	0.55	0.14	0.86	0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	S	1	1	3	0.27	0.28	0.28	0.025	0.026	0.026	NA	NA	NA	NA	NA	5300	4991	3982	NA	NA	NA	NA	<1	<1	1	1		
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	S	1	2	3	0.28	0.28	0.28	0.025	0.026	0.026	NA	NA	NA	NA	NA	4700	4991	3982	NA	NA	NA	NA	<1	<1	1	1		
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	S	1	3	3	0.28	0.28	0.28	0.025	0.025	0.025	NA	NA	NA	NA	NA	4700	4170	3982	NA	NA	NA	NA	<1	<1	1	1		
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	M	7.5	1	3	0.28	0.28	0.28	0.025	0.025	0.025	NA	NA	NA	NA	NA	3700	4170	3982	NA	NA	NA	NA	<1	<1	1	1		
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	M	7.5	3	3	0.28	0.28	0.28	0.025	0.025	0.025	NA	NA	NA	NA	NA	3700	4170	3982	NA	NA	NA	NA	<1	<1	1	1		
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	B	14	1	3	0.28	0.29	0.29	0.026	0.027	0.027	NA	NA	NA	NA	NA	4000	3033	3033	NA	NA	NA	NA	<1	<1	1	1		
SR12	6/8/2019	Mid-Ebb	Fine	Moderate	14:52	15	B	14	3	3	0.29	0.29	0.29	0.026	0.027	0.027	NA	NA	NA	NA	NA	2300	3033	3033	NA	NA	NA	NA	<1	<1	1	1		
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	S	1	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	S	1	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	S	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	M	7	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	M	7	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	M	7	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	B	13	1	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	B	13	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	6/8/2019	Mid-Ebb	Fine	Moderate	15:04	14	B	13	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																										
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	S	1	1	8.25	21.37	21.37	28.14	28.14	76.8	76.6	5.27	5.27	3.1	3.0	3.0	0.12	0.13	0.13	0.012	0.013	0.013	0.012	0.013	0.013	0.12	0.26	0.18	0.56	0.56	0.48
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	S	1	3	8.25	21.37	21.37	28.14	28.14	76.4	76.6	5.26	5.27	3.0	3.0	3.0	0.13	0.13	0.13	0.012	0.013	0.013	0.012	0.013	0.013	0.13	0.25	0.18	0.56	0.56	0.48
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	M	14	1	8.23	21.42	21.42	28.56	28.56	75.4	75.6	5.21	5.21	2.9	2.8	2.9	0.13	0.13	0.13	0.013	0.013	0.013	0.013	0.013	0.13	0.15	0.18	0.46	0.46	0.45	
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	M	14	2	8.23	21.42	21.42	28.56	28.56	75.4	75.6	5.18	5.20	2.9	2.8	2.9	0.13	0.13	0.13	0.013	0.013	0.013	0.013	0.013	0.13	0.15	0.18	0.46	0.46	0.45	
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	M	14	3	8.23	21.42	21.42	28.56	28.56	75.4	75.6	5.18	5.20	2.9	2.8	2.9	0.13	0.13	0.13	0.013	0.013	0.013	0.013	0.013	0.13	0.15	0.18	0.46	0.46	0.45	
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	B	27	1	8.22	21.58	21.58	28.47	28.47	74.8	74.9	5.16	5.17	3.0	3.0	3.0	0.13	0.13	0.13	0.012	0.012	0.012	0.012	0.012	0.13	0.13	0.18	0.44	0.44	0.44	
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	B	27	2	8.22	21.58	21.58	28.47	28.47	75.0	74.9	5.18	5.17	3.1	3.1	3.1	0.13	0.13	0.13	0.012	0.012	0.012	0.012	0.012	0.13	0.13	0.18	0.44	0.44	0.44	
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	B	27	3	8.22	21.58	21.58	28.47	28.47	75.0	74.9	5.18	5.17	3.1	3.1	3.1	0.13	0.13	0.13	0.012	0.012	0.012	0.012	0.012	0.13	0.13	0.18	0.44	0.44	0.44	
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	S	1	1	8.17	27.72	27.72	27.76	27.76	64.6	64.4	4.34	4.32	4.1	4.0	4.0	0.23	0.23	0.23	0.018	0.018	0.018	0.018	0.018	0.23	0.13	0.07	0.43	0.43	0.44	
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	S	1	2	8.17	27.72	27.72	27.76	27.76	64.2	64.4	4.30	4.32	4.0	4.0	4.0	0.23	0.23	0.23	0.018	0.018	0.018	0.018	0.018	0.23	0.13	0.07	0.43	0.43	0.44	
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	S	1	3	8.17	27.72	27.72	27.76	27.76	64.2	64.4	4.30	4.32	4.0	4.0	4.0	0.23	0.23	0.23	0.018	0.018	0.018	0.018	0.018	0.23	0.13	0.07	0.43	0.43	0.44	
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	M	6.5	1	8.23	28.35	28.35	27.67	27.67	62.6	62.4	4.21	4.20	4.0	3.9	3.9	0.23	0.23	0.23	0.020	0.020	0.020	0.020	0.020	0.23	0.16	0.08	0.47	0.47	0.47	
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	M	6.5	2	8.23	28.35	28.35	27.67	27.67	62.2	62.4	4.18	4.20	3.9	3.9	3.6	0.23	0.23	0.23	0.020	0.020	0.020	0.020	0.020	0.23	0.16	0.08	0.47	0.47	0.47	
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	M	6.5	3	8.23	28.35	28.35	27.67	27.67	62.2	62.4	4.18	4.20	3.9	3.9	3.6	0.23	0.23	0.23	0.020	0.020	0.020	0.020	0.020	0.23	0.16	0.08	0.47	0.47	0.47	
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	B	12	1	8.25	28.88	28.88	27.57	27.57	62.5	62.4	4.20	4.19	2.9	2.9	2.9	0.24	0.24	0.24	0.022	0.022	0.022	0.022	0.022	0.24	0.18	0.08	0.50	0.50	0.50	
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	B	12	2	8.25	28.88	28.88	27.57	27.57	62.2	62.4	4.17	4.19	2.9	2.9	2.9	0.24	0.24	0.24	0.022	0.022	0.022	0.022	0.022	0.24	0.18	0.08	0.50	0.50	0.50	
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	B	12	3	8.25	28.88	28.88	27.57	27.57	62.2	62.4	4.17	4.19	2.9	2.9	2.9	0.24	0.24	0.24	0.022	0.022	0.022	0.022	0.022	0.24	0.18	0.08	0.50	0.50	0.50	
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	S	1	1	8.26	22.73	22.73	28.46	28.46	76.6	76.8	5.24	5.25	2.6	2.6	2.6	NA	NA	NA	NA	NA	NA	NA	0.11	0.44	0.18	0.73	0.73	0.74		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	S	1	2	8.26	22.73	22.73	28.46	28.46	76.9	76.8	5.26	5.25	2.6	2.6	2.6	NA	NA	NA	NA	NA	NA	NA	0.11	0.44	0.18	0.73	0.73	0.74		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	S	1	3	8.26	22.73	22.73	28.46	28.46	76.9	76.8	5.26	5.25	2.6	2.6	2.6	NA	NA	NA	NA	NA	NA	NA	0.11	0.44	0.18	0.73	0.73	0.74		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	M	6	1	8.25	22.79	22.79	28.40	28.40	75.9	76.1	5.20	5.21	2.6	2.6	2.6	NA	NA	NA	NA	NA	NA	NA	0.12	0.45	0.18	0.74	0.74	0.75		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	M	6	2	8.25	22.79	22.79	28.40	28.40	76.3	76.1	5.22	5.21	2.6	2.6	2.6	NA	NA	NA	NA	NA	NA	NA	0.11	0.45	0.18	0.74	0.74	0.75		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	M	6	3	8.25	22.79	22.79	28.40	28.40	76.3	76.1	5.22	5.21	2.6	2.6	2.6	NA	NA	NA	NA	NA	NA	NA	0.12	0.45	0.18	0.74	0.74	0.75		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	B	11	1	8.24	22.89	22.89	28.34	28.34	74.7	74.8	5.12	5.13	2.7	2.7	2.7	NA	NA	NA	NA	NA	NA	NA	0.11	0.45	0.18	0.74	0.74	0.74		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	B	11	2	8.24	22.89	22.89	28.34	28.34	74.9	74.8	5.13	5.13	2.7	2.7	2.7	NA	NA	NA	NA	NA	NA	NA	0.11	0.45	0.18	0.74	0.74	0.74		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	B	11	3	8.24	22.89	22.89	28.34	28.34	74.9	74.8	5.13	5.13	2.7	2.7	2.7	NA	NA	NA	NA	NA	NA	NA	0.11	0.45	0.18	0.74	0.74	0.74		
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	S	1	1	8.27	23.42	23.42	28.20	28.20	76.1	76.4	5.20	5.22	2.6	2.6	2.6	0.08	0.08	0.08	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	S	1	2	8.27	23.42	23.42	28.20	28.20	76.6	76.4	5.23	5.22	2.6	2.6	2.6	0.08	0.08	0.08	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	S	1	3	8.27	23.42	23.42	28.20	28.20	76.6	76.4	5.23	5.22	2.6	2.6	2.6	0.08	0.08	0.08	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	M	4.5	1	8.25	23.42	23.42	28.40	28.40	76.1	76.4	5.20	5.22	2.6	2.6	2.6	0.08	0.08	0.08	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	M	4.5	2	8.28	23.42	23.42	28.40	28.40	76.6	76.4	5.23	5.22	2.6	2.6	2.6	0.08	0.08	0.08	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	M	4.5	3	8.27	23.42	23.42	28.40	28.40	76.6	76.4	5.23	5.22	2.6	2.6	2.6	0.08	0.08	0.08	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	B	8	1	8.24	23.99	23.99	28.15	28.15	71.0	71.2	4.85	4.88	4.5	4.5	4.5	0.08	0.08	0.08	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	B	8	2	8.24	23.99	23.99	28.15	28.15	71.4	71.2	4.9																			

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																								
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			Total Inorganic Nitrogen (mg/L-N)				E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)					
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	S	1	1	5	0.12			0.012	0.012		0.12	0.35	0.18	0.65				7			NA	NA	NA	<1				
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	S	1	2	4	0.13	0.13		0.013	0.012		0.13	0.27	0.17	0.57	0.57				11	9		NA	NA	NA	1	1		
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	S	1	3								0.11	0.21	0.18	0.50														
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	M	14	1	4	0.15			0.014			0.15	0.15	0.18	0.48				5			NA	NA	NA	1				
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	M	14	2	4	0.12	0.14	0.13	0.012	0.013	0.012	0.12	0.15	0.18	0.45	0.45	0.48		8	6	7	NA	NA	NA	1	1	1		
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	M	14	3								0.11	0.14	0.17	0.42														
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	B	27	1	5	0.13			0.012			0.13	0.13	0.18	0.44				5			NA	NA	NA	<1				
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	B	27	2	5	0.12	0.13		0.011	0.012		0.12	0.13	0.18	0.43	0.43				8	6		NA	NA	NA	<1	1		
C1A	8/8/2019	Mid-Flood	Fine	Moderate	9:20	28	B	27	3								0.12	0.12	0.18	0.42														
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	S	1	1	9	0.23			0.018			0.23	0.13	0.07	0.43				460			NA	NA	NA	<1				
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	S	1	2	9	0.22	0.23		0.017	0.017		0.22	0.15	0.07	0.44	0.45			390	424		NA	NA	NA	<1	1			
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	S	1	3								0.23	0.16	0.08	0.47														
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	M	6.5	1	8	0.23			0.020			0.23	0.17	0.08	0.48				290			NA	NA	NA	<1				
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	M	6.5	2	8	0.23	0.23	0.23	0.020	0.020	0.019	0.23	0.17	0.08	0.48	0.49	0.47		180	228	192	NA	NA	NA	<1	1	1		
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	M	6.5	3								0.23	0.19	0.08	0.50														
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	B	12	1	8	0.23			0.021			0.23	0.18	0.08	0.49				18			NA	NA	NA	<1				
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	B	12	2	8	0.23	0.23		0.021	0.021		0.23	0.18	0.08	0.49	0.48			300	73		NA	NA	NA	<1	1			
C2A	8/8/2019	Mid-Flood	Fine	Moderate	7:30	13	B	12	3								0.21	0.19	0.07	0.47														
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	S	1	1	4	NA			NA			0.1	0.42	0.19	0.71				NA	NA	NA	NA	NA	NA	NA	NA			
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	S	1	2	4	NA	NA		NA	NA		0.1	0.44	0.18	0.72	0.72			NA	NA		NA	NA	NA	NA	NA	NA		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	S	1	3								0.1	0.45	0.18	0.73														
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	M	6	1	4	NA			NA			0.1	0.44	0.18	0.72				NA	NA		NA	NA	NA	NA	NA	NA		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	M	6	2	5	NA	NA	NA	NA	NA	NA	0.1	0.45	0.18	0.73	0.73	0.72		NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	M	6	3								0.1	0.45	0.18	0.73														
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	B	11	1	4	NA			NA			0.09	0.45	0.17	0.71				NA	NA		NA	NA	NA	NA	NA	NA		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	B	11	2	4	NA	NA		NA	NA		0.09	0.45	0.18	0.72	0.72			NA	NA		NA	NA	NA	NA	NA	NA		
G2	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	B	11	3								0.09	0.45	0.18	0.72														
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	S	1	1	4	0.08			0.008			NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	S	1	2	5	0.07	0.08		0.007	0.008		NA	NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	S	1	3								NA	NA	NA	NA	NA	NA												
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	M	4.5	1	4	0.08			0.008			NA	NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	M	4.5	2	4	0.07	0.08	0.08	0.008	0.008	0.008	NA	NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	M	4.5	3								NA	NA	NA	NA	NA	NA												
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	B	8	1	4	0.08			0.008			NA	NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	B	8	2	4	0.08	0.08		0.008	0.008		NA	NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR2	8/8/2019	Mid-Flood	Fine	Moderate	9:00	9	B	8	3								NA	NA	NA	NA	NA	NA												
SR3	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	S	1	1	5	0.05			0.005			NA	NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR3	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	S	1	2	5	0.07	0.06		0.007	0.006		NA	NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR3	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	S	1	3								NA	NA	NA	NA	NA	NA												
SR3	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	M	6	1	6	0.06			0.006			NA	NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR3	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	M	6	2	5	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR3	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	M	6	3								NA	NA	NA	NA	NA	NA												
SR3	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	B	11	1	5	0.06			0.006			NA	NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR3	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	B	11	2	5	0.05	0.06		0.005	0.005		NA	NA	NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR3	8/8/2019	Mid-Flood	Fine	Moderate	8:49	12	B	11	3								NA	NA	NA	NA	NA	NA												

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	8/8/2019	Mid-Flood	Fine	Moderate	8:22	4	S	1	1	5	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	6	4	5	NA	NA	NA	1	1	1			
SR4	8/8/2019	Mid-Flood	Fine	Moderate	8:22	4	S	1	2	5	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	4	5	5	NA	NA	NA	1	1	1			
SR4	8/8/2019	Mid-Flood	Fine	Moderate	8:22	4	S	1	3	5	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	4	5	5	NA	NA	NA	1	1	1			
SR4	8/8/2019	Mid-Flood	Fine	Moderate	8:22	4	M	1	1	1	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR4	8/8/2019	Mid-Flood	Fine	Moderate	8:22	4	M	2	2	2	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR4	8/8/2019	Mid-Flood	Fine	Moderate	8:22	4	M	3	3	3	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR4	8/8/2019	Mid-Flood	Fine	Moderate	8:22	4	B	3	1	5	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	ND	NA	5	NA	NA	NA	<1	1	1			
SR4	8/8/2019	Mid-Flood	Fine	Moderate	8:22	4	B	3	2	5	0.07	0.07	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	25	5	5	NA	NA	NA	<1	1	1			
SR4	8/8/2019	Mid-Flood	Fine	Moderate	8:22	4	B	3	3	3	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Flood	Fine	Moderate	9:12	11	S	1	1	4	NA	NA	NA	NA	NA	NA	0.09	0.52	0.18	0.79	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Flood	Fine	Moderate	9:12	11	S	1	2	4	NA	NA	NA	NA	NA	NA	0.08	0.52	0.18	0.78	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Flood	Fine	Moderate	9:12	11	S	1	3	4	NA	NA	NA	NA	NA	NA	0.1	0.52	0.19	0.81	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Flood	Fine	Moderate	9:12	11	M	5.5	1	4	NA	NA	NA	NA	NA	NA	0.05	0.52	0.19	0.76	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Flood	Fine	Moderate	9:12	11	M	5.5	2	4	NA	NA	NA	NA	NA	NA	0.07	0.53	0.18	0.78	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Flood	Fine	Moderate	9:12	11	M	5.5	3	3	NA	NA	NA	NA	NA	NA	0.06	0.56	0.16	0.78	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Flood	Fine	Moderate	9:12	11	B	10	1	5	NA	NA	NA	NA	NA	NA	0.06	0.53	0.19	0.78	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Flood	Fine	Moderate	9:12	11	B	10	2	5	NA	NA	NA	NA	NA	NA	0.07	0.53	0.19	0.79	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Flood	Fine	Moderate	9:12	11	B	10	3	3	NA	NA	NA	NA	NA	NA	0.07	0.53	0.19	0.79	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR12	8/8/2019	Mid-Flood	Fine	Moderate	8:05	15	S	1	1	4	0.08	0.08	0.08	0.008	0.008	0.008	NA	NA	NA	NA	NA	32	43	37	NA	NA	NA	3	3	3			
SR12	8/8/2019	Mid-Flood	Fine	Moderate	8:05	15	S	1	2	4	0.08	0.08	0.08	0.008	0.008	0.008	NA	NA	NA	NA	NA	44	36	40	NA	NA	NA	<1	1	2			
SR12	8/8/2019	Mid-Flood	Fine	Moderate	8:05	15	M	7.5	1	4	0.09	0.08	0.08	0.009	0.007	0.008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	1	2			
SR12	8/8/2019	Mid-Flood	Fine	Moderate	8:05	15	M	7.5	2	4	0.07	0.08	0.08	0.007	0.007	0.008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	1	2			
SR12	8/8/2019	Mid-Flood	Fine	Moderate	8:05	15	M	7.5	3	3	0.07	0.08	0.08	0.007	0.007	0.007	NA	NA	NA	NA	NA	100	57	75	NA	NA	NA	<1	1	2			
SR12	8/8/2019	Mid-Flood	Fine	Moderate	8:05	15	B	14	1	4	0.07	0.07	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	1	2			
SR12	8/8/2019	Mid-Flood	Fine	Moderate	8:05	15	B	14	2	3	0.07	0.07	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	1	2			
SR12	8/8/2019	Mid-Flood	Fine	Moderate	8:05	15	B	14	3	3	0.07	0.07	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	1	2			
SR13	8/8/2019	Mid-Flood	Fine	Moderate	7:49	14	S	1	1	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Flood	Fine	Moderate	7:49	14	S	1	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Flood	Fine	Moderate	7:49	14	S	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Flood	Fine	Moderate	7:49	14	M	7	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Flood	Fine	Moderate	7:49	14	M	7	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Flood	Fine	Moderate	7:49	14	M	7	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Flood	Fine	Moderate	7:49	14	B	13	1	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Flood	Fine	Moderate	7:49	14	B	13	2	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Flood	Fine	Moderate	7:49	14	B	13	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																												
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)						
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.			
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	S	1	1	8.23	21.23	21.23	28.64	28.64	77.3	77.5	5.32	5.34	5.33	2.8	2.9	3.0	0.12	0.11	0.12	0.012	0.011	0.011	0.012	0.011	0.011	0.12	0.14	0.17	0.43	0.43	0.43	
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	S	1	3	8.23	21.23	21.23	28.64	28.64	77.6	77.5	5.34	5.33	5.29	3.0	2.9	3.0	0.11	0.11	0.12	0.011	0.011	0.011	0.012	0.011	0.011	0.11	0.14	0.17	0.42	0.43	0.43	
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	M	14	1	8.23	21.37	21.37	28.54	28.54	76.0	76.1	5.23	5.25	5.24	3.1	3.1	3.1	0.11	0.12	0.12	0.011	0.012	0.011	0.012	0.011	0.11	0.13	0.17	0.41	0.41	0.41		
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	M	14	2	8.23	21.37	21.37	28.54	28.54	76.2	76.1	5.25	5.24	5.24	3.1	3.1	3.0	0.12	0.12	0.12	0.012	0.012	0.011	0.012	0.011	0.12	0.13	0.17	0.42	0.41	0.42		
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	M	14	3	8.23	21.37	21.37	28.54	28.54	76.2	76.1	5.25	5.24	5.24	3.1	3.1	3.0	0.12	0.12	0.12	0.012	0.012	0.011	0.012	0.011	0.12	0.13	0.17	0.42	0.41	0.42		
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	B	27	1	8.22	21.55	21.55	28.47	28.47	74.7	74.6	5.14	5.12	5.13	2.9	2.9	2.9	0.13	0.13	0.12	0.012	0.012	0.011	0.012	0.011	0.13	0.13	0.17	0.43	0.42	0.43		
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	B	27	2	8.22	21.55	21.55	28.47	28.47	74.5	74.6	5.12	5.13	5.13	2.9	2.9	2.9	0.10	0.10	0.12	0.009	0.009	0.011	0.010	0.10	0.13	0.17	0.40	0.40	0.42	0.42		
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	B	27	3	8.22	21.55	21.55	28.47	28.47	74.5	74.6	5.12	5.13	5.13	2.9	2.9	2.9	0.10	0.10	0.12	0.009	0.009	0.011	0.010	0.10	0.13	0.17	0.40	0.40	0.42	0.42		
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	S	1	1	8.26	27.85	27.85	27.53	27.53	66.6	66.4	4.51	4.49	4.49	3.9	3.9	3.9	0.13	0.13	0.13	0.012	0.012	0.012	0.012	0.012	0.13	0.13	0.08	0.34	0.35	0.35		
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	S	1	2	8.26	27.85	27.85	27.53	27.53	66.1	66.4	4.46	4.49	4.49	3.9	3.9	3.9	0.13	0.13	0.13	0.012	0.012	0.012	0.012	0.012	0.13	0.14	0.08	0.35	0.35	0.35		
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	S	1	3	8.26	27.85	27.85	27.53	27.53	66.1	66.4	4.46	4.49	4.49	3.9	3.9	3.9	0.13	0.13	0.13	0.012	0.012	0.012	0.012	0.012	0.13	0.14	0.08	0.35	0.35	0.35		
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	M	6.5	1	8.28	28.80	28.80	27.59	27.59	62.4	62.1	4.19	4.17	4.17	3.2	3.1	3.1	0.13	0.13	0.13	0.012	0.012	0.012	0.012	0.13	0.15	0.08	0.36	0.37	0.37			
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	M	6.5	2	8.28	28.80	28.80	27.59	27.59	61.8	62.1	4.14	4.17	4.17	3.1	3.1	3.1	0.13	0.13	0.13	0.012	0.012	0.012	0.012	0.13	0.16	0.08	0.37	0.37	0.37			
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	M	6.5	3	8.28	28.80	28.80	27.59	27.59	61.8	62.1	4.14	4.17	4.17	3.1	3.1	3.1	0.13	0.13	0.13	0.012	0.012	0.012	0.012	0.13	0.16	0.08	0.37	0.37	0.37			
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	B	12	1	8.28	29.22	29.22	27.50	27.50	63.4	63.5	4.25	4.26	4.26	3.0	3.1	3.1	0.14	0.14	0.14	0.013	0.013	0.013	0.013	0.14	0.17	0.09	0.40	0.40	0.40			
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	B	12	2	8.28	29.22	29.22	27.50	27.50	63.6	63.5	4.27	4.26	4.26	3.1	3.1	3.1	0.14	0.14	0.14	0.013	0.013	0.013	0.013	0.14	0.17	0.09	0.40	0.40	0.40			
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	B	12	3	8.28	29.22	29.22	27.50	27.50	63.6	63.5	4.27	4.26	4.26	3.1	3.1	3.1	0.14	0.14	0.14	0.013	0.013	0.013	0.013	0.14	0.17	0.09	0.41	0.41	0.41			
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	S	1	1	8.24	22.78	22.78	28.41	28.41	76.2	76.1	5.22	5.21	5.21	2.5	2.5	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	S	1	2	8.24	22.78	22.78	28.41	28.41	76.0	76.1	5.20	5.21	5.21	2.4	2.5	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	S	1	3	8.24	22.78	22.78	28.41	28.41	76.0	76.1	5.20	5.21	5.21	2.4	2.5	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	M	6	1	8.24	22.81	22.81	28.38	28.38	75.5	75.4	5.17	5.16	5.16	2.6	2.7	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	M	6	2	8.24	22.81	22.81	28.38	28.38	75.2	75.4	5.14	5.16	5.16	2.7	2.7	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	M	6	3	8.24	22.81	22.81	28.38	28.38	75.2	75.4	5.14	5.16	5.16	2.7	2.7	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	B	11	1	8.24	22.91	22.91	28.33	28.33	74.5	74.7	5.10	5.12	5.12	2.6	2.6	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	B	11	2	8.24	22.91	22.91	28.33	28.33	74.9	74.7	5.13	5.12	5.12	2.6	2.6	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	B	11	3	8.24	22.91	22.91	28.33	28.33	74.9	74.7	5.13	5.12	5.12	2.6	2.6	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	S	1	1	8.25	23.09	23.09	28.46	28.46	76.9	76.7	5.25	5.24	5.24	2.6	2.5	2.5	0.04	0.04	0.04	0.004	0.004	0.004	0.004	0.004	0.04	0.04	0.04	NA	NA	NA	NA	
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	S	1	2	8.25	23.09	23.09	28.46	28.46	76.5	76.7	5.22	5.24	5.24	2.5	2.5	2.5	0.04	0.04	0.04	0.004	0.004	0.004	0.004	0.004	0.04	0.04	0.04	NA	NA	NA	NA	NA
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	S	1	3	8.25	23.09	23.09	28.46	28.46	76.5	76.7	5.22	5.24	5.24	2.5	2.5	2.5	0.04	0.04	0.04	0.004	0.004	0.004	0.004	0.004	0.04	0.04	0.04	NA	NA	NA	NA	NA
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	M	4.5	1	8.24	23.40	23.40	28.30	28.30	73.6	73.4	5.02	5.02	5.02	3.4	3.4	3.4	0.04	0.04	0.04	0.004	0.004	0.004	0.004	0.004	0.04	0.04	0.04	NA	NA	NA	NA	NA
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	M	4.5	2	8.24	23.40	23.40	28.30	28.30	73.2	73.4	5.49	5.26	5.26	3.3	3.4	3.4	0.04	0.04	0.04	0.004	0.004	0.004	0.004	0.004	0.04	0.04	0.04	NA	NA	NA	NA	NA
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	M	4.5	3	8.24	23.40	23.40	28.30	28.30	73.2	73.4	5.49	5.26	5.26	3.3	3.4	3.4	0.04	0.04	0.04	0.004	0.004	0.004	0.004	0.004	0.04	0.04	0.04	NA	NA	NA	NA	NA
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	B	8	1	8.24	23.85	23.85	28.16	28.16	70.9	71.1	4.85	4.87	4.87	4.0	4.0	4.0	0.04	0.04	0.04	0.004	0.004	0.004	0.004	0.004	0.04	0.04	0.04	NA	NA	NA	NA	NA
SR2	8/8/2019	Mid-Ebb	Fine																																			

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																													
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)			TIN-Nitrate (mg/L-N)			TIN-Nitrite (mg/L-N)			Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.			
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	S	1	1	5	0.11			0.011			0.11	0.26	0.17	0.54				11			NA			<1									
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	S	1	2	5	0.12	0.12		0.012	0.011		0.12	0.18	0.17	0.47				2	5		NA	NA		<1	1								
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	S	1	3							0.10	0.14	0.17	0.41																				
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	M	14	1	4	0.09			0.009			0.09	0.13	0.18	0.40				9			NA			1									
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	M	14	2	3	0.10			0.010			0.10	0.13	0.17	0.40				10	9		NA	NA		<1	1	1							
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	M	14	3							0.07	0.13	0.17	0.37																				
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	B	27	1	4	0.07			0.007			0.07	0.12	0.17	0.36				7			NA			<1									
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	B	27	2	3	0.08	0.08		0.008	0.007		0.08	0.11	0.18	0.37				6	6		NA	NA		<1	1								
C1A	8/8/2019	Mid-Ebb	Fine	Moderate	9:28	28	B	27	3							0.08	0.12	0.17	0.37																				
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	S	1	1	7	0.16			0.015			0.16	0.13	0.08	0.37				150			NA			<1									
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	S	1	2	7	0.13	0.15		0.012	0.013		0.13	0.14	0.08	0.35				500	274		NA	NA		<1	1								
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	S	1	3							0.13	0.15	0.08	0.36																				
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	M	6.5	1	7	0.12			0.012			0.12	0.16	0.08	0.36				360			NA			<1									
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	M	6.5	2	7	0.13	0.13	0.13	0.012	0.012	0.013	0.13	0.16	0.08	0.37				31	106	202	NA	NA		<1	1	1							
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	M	6.5	3							0.12	0.17	0.07	0.36																				
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	B	12	1	7	0.14			0.013			0.14	0.17	0.08	0.39				450			NA			1									
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	B	12	2	7	0.12	0.13		0.011	0.012		0.12	0.17	0.08	0.37				180	285		NA	NA		<1	1								
C2A	8/8/2019	Mid-Ebb	Fine	Moderate	11:22	13	B	12	3							0.12	0.18	0.08	0.38																				
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	S	1	1	5	NA			NA			0.05	0.39	0.18	0.62				NA			NA			NA									
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	S	1	2	6	NA	NA		NA	NA		0.05	0.41	0.18	0.64				NA	NA		NA	NA		NA	NA								
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	S	1	3							0.05	0.43	0.18	0.66																				
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	M	6	1	4	NA			NA			0.04	0.42	0.18	0.64				NA			NA			NA	NA								
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	M	6	2	4	NA	NA		NA	NA		0.05	0.42	0.18	0.65				NA	NA		NA	NA		NA	NA								
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	M	6	3							0.04	0.42	0.18	0.64																				
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	B	11	1	5	NA			NA			0.04	0.42	0.19	0.65				NA			NA			NA	NA								
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	B	11	2	5	NA	NA		NA	NA		0.05	0.42	0.18	0.65				NA	NA		NA			NA	NA								
G2	8/8/2019	Mid-Ebb	Fine	Moderate	10:10	12	B	11	3							0.06	0.42	0.18	0.66																				
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	S	1	1	6	0.04			0.004			NA	NA	NA	NA				NA			NA			NA	NA								
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	S	1	2	5	0.04	0.04		0.004	0.004		NA	NA	NA	NA				NA			NA			NA	NA								
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	S	1	3							NA	NA	NA	NA																				
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	M	4.5	1	3	0.04			0.004			NA	NA	NA	NA				NA			NA			NA	NA								
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	M	4.5	2	4	0.04	0.04	0.04	0.004	0.004	0.004	NA	NA	NA	NA				NA	NA		NA			NA	NA								
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	M	4.5	3							NA	NA	NA	NA																				
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	B	8	1	4	0.04			0.004			NA	NA	NA	NA				NA			NA			NA	NA								
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	B	8	2	4	0.03	0.04		0.003	0.003		NA	NA	NA	NA				NA	NA		NA			NA	NA								
SR2	8/8/2019	Mid-Ebb	Fine	Moderate	9:59	9	B	8	3							NA	NA	NA	NA																				
SR3	8/8/2019	Mid-Ebb	Fine	Moderate	10:24	8	S	1	1	3	0.03			0.003			NA	NA	NA	NA				NA			NA			NA	NA								
SR3	8/8/2019	Mid-Ebb	Fine	Moderate	10:24	8	S	1	2	4	0.04	0.04		0.003	0.003		NA	NA	NA	NA				NA			NA			NA	NA								
SR3	8/8/2019	Mid-Ebb	Fine	Moderate	10:24	8	S	1	3							NA	NA	NA	NA																				
SR3	8/8/2019	Mid-Ebb	Fine	Moderate	10:24	8	M	4	1	4	0.03			0.003			NA	NA	NA	NA				NA			NA			NA	NA								
SR3	8/8/2019	Mid-Ebb	Fine	Moderate	10:24	8	M	4	2	5	0.04	0.04	0.04	0.003	0.003	0.003	NA	NA	NA	NA				NA	NA		NA			NA	NA								
SR3	8/8/2019	Mid-Ebb	Fine	Moderate	10:24	8	M	4	3							NA	NA	NA	NA																				
SR3	8/8/2019	Mid-Ebb	Fine	Moderate	10:24	8	B	7	1	5	0.04			0.004			NA	NA	NA	NA				NA			NA			NA	NA								
SR3	8/8/2019	Mid-Ebb	Fine	Moderate	10:24	8	B	7	2	5	0.03	0.04		0.003	0.003		NA	NA	NA	NA				NA	NA		NA			NA	NA								
SR3	8/8/2019	Mid-Ebb	Fine	Moderate	10:24	8	B	7	3							NA	NA	NA	NA																				

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	8/8/2019	Mid-Ebb	Fine	Moderate	10:39	4	S	1	1	4	0.05	0.05	0.06	0.005	0.005	0.005	NA	NA	NA	NA	NA	16	55	14	NA	NA	NA	<1	1	1			
SR4	8/8/2019	Mid-Ebb	Fine	Moderate	10:39	4	S	1	2	4	0.05	0.05	0.06	0.005	0.005	0.005	NA	NA	NA	NA	NA	190	55	14	NA	NA	NA	<1	1	1			
SR4	8/8/2019	Mid-Ebb	Fine	Moderate	10:39	4	S	1	3	4	0.05	0.05	0.06	0.005	0.005	0.005	NA	NA	NA	NA	NA	190	55	14	NA	NA	NA	<1	1	1			
SR4	8/8/2019	Mid-Ebb	Fine	Moderate	10:39	4	M	1	1	4	0.05	0.05	0.06	0.005	0.005	0.005	NA	NA	NA	NA	NA	190	55	14	NA	NA	NA	<1	1	1			
SR4	8/8/2019	Mid-Ebb	Fine	Moderate	10:39	4	M	2	2	4	0.05	0.05	0.06	0.005	0.005	0.005	NA	NA	NA	NA	NA	190	55	14	NA	NA	NA	<1	1	1			
SR4	8/8/2019	Mid-Ebb	Fine	Moderate	10:39	4	M	3	3	4	0.05	0.05	0.06	0.005	0.005	0.005	NA	NA	NA	NA	NA	190	55	14	NA	NA	NA	<1	1	1			
SR4	8/8/2019	Mid-Ebb	Fine	Moderate	10:39	4	B	3	1	4	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	12	3	14	NA	NA	NA	<1	1	1			
SR4	8/8/2019	Mid-Ebb	Fine	Moderate	10:39	4	B	3	2	4	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	ND	3	14	NA	NA	NA	<1	1	1			
SR4	8/8/2019	Mid-Ebb	Fine	Moderate	10:39	4	B	3	3	4	0.06	0.06	0.06	0.006	0.006	0.006	NA	NA	NA	NA	NA	ND	3	14	NA	NA	NA	<1	1	1			
SR5	8/8/2019	Mid-Ebb	Fine	Moderate	9:42	11	S	1	1	5	NA	NA	NA	NA	NA	NA	0.05	0.49	0.19	0.73	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Ebb	Fine	Moderate	9:42	11	S	1	2	6	NA	NA	NA	NA	NA	NA	0.05	0.50	0.19	0.74	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Ebb	Fine	Moderate	9:42	11	S	1	3	6	NA	NA	NA	NA	NA	NA	0.04	0.48	0.17	0.69	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Ebb	Fine	Moderate	9:42	11	M	5.5	1	5	NA	NA	NA	NA	NA	NA	0.01	0.49	0.19	0.69	0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Ebb	Fine	Moderate	9:42	11	M	5.5	2	5	NA	NA	NA	NA	NA	NA	0.02	0.49	0.19	0.70	0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Ebb	Fine	Moderate	9:42	11	M	5.5	3	5	NA	NA	NA	NA	NA	NA	0.03	0.50	0.19	0.72	0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Ebb	Fine	Moderate	9:42	11	B	10	1	5	NA	NA	NA	NA	NA	NA	0.03	0.50	0.20	0.73	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Ebb	Fine	Moderate	9:42	11	B	10	2	4	NA	NA	NA	NA	NA	NA	0.10	0.46	0.18	0.74	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	8/8/2019	Mid-Ebb	Fine	Moderate	9:42	11	B	10	3	5	NA	NA	NA	NA	NA	NA	0.08	0.50	0.19	0.77	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR12	8/8/2019	Mid-Ebb	Fine	Moderate	10:53	15	S	1	1	3	0.07	0.08	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	51	34	33	NA	NA	NA	<1	1	1			
SR12	8/8/2019	Mid-Ebb	Fine	Moderate	10:53	15	S	1	2	4	0.08	0.08	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	23	34	33	NA	NA	NA	<1	1	1			
SR12	8/8/2019	Mid-Ebb	Fine	Moderate	10:53	15	S	1	3	4	0.07	0.07	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	48	37	33	NA	NA	NA	1	1	1			
SR12	8/8/2019	Mid-Ebb	Fine	Moderate	10:53	15	M	7.5	1	3	0.07	0.07	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	29	37	33	NA	NA	NA	<1	1	1			
SR12	8/8/2019	Mid-Ebb	Fine	Moderate	10:53	15	M	7.5	3	4	0.07	0.07	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	29	37	33	NA	NA	NA	<1	1	1			
SR12	8/8/2019	Mid-Ebb	Fine	Moderate	10:53	15	B	14	1	4	0.07	0.07	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	31	29	33	NA	NA	NA	<1	1	1			
SR12	8/8/2019	Mid-Ebb	Fine	Moderate	10:53	15	B	14	2	4	0.07	0.07	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	27	29	33	NA	NA	NA	<1	1	1			
SR12	8/8/2019	Mid-Ebb	Fine	Moderate	10:53	15	B	14	3	4	0.07	0.07	0.07	0.007	0.007	0.007	NA	NA	NA	NA	NA	27	29	33	NA	NA	NA	<1	1	1			
SR13	8/8/2019	Mid-Ebb	Fine	Moderate	11:07	14	S	1	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Ebb	Fine	Moderate	11:07	14	S	1	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Ebb	Fine	Moderate	11:07	14	S	1	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Ebb	Fine	Moderate	11:07	14	M	7	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Ebb	Fine	Moderate	11:07	14	M	7	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Ebb	Fine	Moderate	11:07	14	M	7	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Ebb	Fine	Moderate	11:07	14	B	13	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Ebb	Fine	Moderate	11:07	14	B	13	2	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	8/8/2019	Mid-Ebb	Fine	Moderate	11:07	14	B	13	3	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																													
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)						
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.				
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	S	1	1	8.12	8.13	25.24	25.22	29.01	29.00	95.0	94.8	94.9	6.60	6.60	1.4	1.5	1.5	0.24	0.24	0.24	0.019	0.019	0.019	NA	NA	NA	NA	NA	NA				
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	S	1	3																														
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	M		1																														
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	M		2																														
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	M		3																														
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	B	3	1	8.16	8.16	25.44	25.43	28.94	29.01	94.0	93.7	93.9	6.53	6.51	6.52	2.0	1.8	1.9	0.24	0.24	0.24	0.020	0.020	0.020	NA	NA	NA	NA	NA	NA			
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	B	3	2	8.15	8.16	25.41	25.43	29.93	29.44	93.7	93.9	93.9	6.51	6.52	6.52	1.8	1.9	1.9	0.24	0.24	0.24	0.020	0.020	0.020	NA	NA	NA	NA	NA	NA			
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	B	3	3																														
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	S	1	1	8.16	8.16	26.19	26.21	29.02	29.02	78.4	78.6	78.6	5.48	5.50	5.49	1.2	1.0	1.1	NA	NA	NA	NA	NA	NA	0.25	0.53	0.11	0.89	0.89				
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	S	1	2	8.15	8.16	26.23	26.21	29.01	29.02	78.7	78.6	78.6	5.50	5.49	5.49	1.0	1.1	1.1	NA	NA	NA	NA	NA	NA	0.25	0.53	0.11	0.89	0.89				
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	S	1	3																														
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	M	5.5	1	8.17	8.18	26.52	26.51	28.86	28.86	73.3	73.5	73.5	5.12	5.14	5.13	1.6	1.7	1.7	NA	NA	NA	NA	NA	NA	0.25	0.53	0.11	0.89	0.89				
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	M	5.5	2	8.18	8.18	26.49	26.51	28.85	28.86	73.6	73.5	73.5	5.14	5.13	5.13	1.8	1.7	1.7	NA	NA	NA	NA	NA	NA	0.25	0.53	0.11	0.89	0.89				
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	M	5.5	3																														
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	B	10	1	8.20	8.20	26.86	26.85	28.60	28.60	66.9	66.7	66.7	4.67	4.64	4.66	2.3	2.5	2.4	NA	NA	NA	NA	NA	NA	0.26	0.54	0.12	0.92	0.92				
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	B	10	2	8.20	8.20	26.83	26.85	28.59	28.60	66.5	66.7	66.7	4.64	4.64	4.66	2.5	2.5	2.4	NA	NA	NA	NA	NA	NA	0.26	0.54	0.12	0.92	0.92				
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	B	10	3																														
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	S	1	1	8.17	8.17	25.23	25.25	28.76	28.76	88.2	88.3	88.3	6.12	6.14	6.13	1.6	1.8	1.7	0.22	0.22	0.22	0.018	0.018	0.018	NA	NA	NA	NA	NA	NA			
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	S	1	2	8.16	8.17	25.26	25.25	28.75	28.76	88.4	88.3	88.3	6.14	6.13	6.13	1.8	1.7	1.7	0.22	0.22	0.22	0.018	0.018	0.018	NA	NA	NA	NA	NA	NA	NA		
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	S	1	3																														
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	M	7.5	1	8.18	8.19	25.64	25.66	28.50	28.50	82.6	82.8	82.8	5.74	5.76	5.75	2.1	2.3	2.2	0.24	0.24	0.24	0.020	0.020	0.020	NA	NA	NA	NA	NA	NA	NA		
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	M	7.5	2	8.19	8.19	25.68	25.66	28.49	28.50	82.9	82.8	82.8	5.76	5.75	5.75	2.3	2.3	2.2	0.24	0.24	0.24	0.020	0.020	0.020	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	M	7.5	3																														
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	B	14	1	8.21	8.22	25.98	26.00	28.26	28.27	76.4	76.6	76.6	5.30	5.32	5.31	2.7	2.9	2.8	0.24	0.24	0.24	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	B	14	2	8.22	8.22	26.01	26.00	28.27	28.27	76.7	76.6	76.6	5.32	5.31	5.31	2.9	2.9	2.8	0.24	0.24	0.24	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	B	14	3																														
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	S	1	1	8.12	8.13	26.36	26.34	28.42	28.41	78.4	78.3	78.3	5.47	5.44	5.46	1.7	1.9	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	S	1	2	8.13	8.13	26.32	26.34	28.40	28.41	78.1	78.3	78.3	5.44	5.44	5.46	1.9	1.9	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	S	1	3																														
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	M	7	1	8.15	8.16	26.73	26.74	28.04	28.04	70.2	70.4	70.4	4.90	4.92	4.91	2.7	2.5	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	M	7	2	8.16	8.16	26.75	26.74	28.04	28.04	70.5	70.4	70.4	4.92	4.92	4.91	2.5	2.5	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	M	7	3																														
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	B	13	1	8.19	8.19	27.04	27.06	27.91	27.91	61.4	61.3	61.3	4.28	4.26	4.27	3.3	3.4	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	B	13	2	8.19	8.19	27.07	27.06	27.90	27.91	61.2	61.3	61.3	4.26	4.26	4.27	3.4	3.4	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	10/8/2019	Mid-Flood	Cloudy	Moderate	12:40	28	S	1	1	3	0.22			0.017			0.22	0.45	0.10	0.77				NA			2						
C1A	10/8/2019	Mid-Flood	Cloudy	Moderate	12:40	28	S	1	2	3	0.23	0.23		0.018	0.018		0.23	0.50	0.10	0.83	0.81			25	23		2	2					
C1A	10/8/2019	Mid-Flood	Cloudy	Moderate	12:40	28	S	1	3							0.22	0.51	0.10	0.83				NA	NA									
C1A	10/8/2019	Mid-Flood	Cloudy	Moderate	12:40	28	M	14	1	3	0.24			0.020			0.24	0.51	0.10	0.85				NA	NA		2						
C1A	10/8/2019	Mid-Flood	Cloudy	Moderate	12:40	28	M	14	2	3	0.23	0.24	0.23	0.020	0.020		0.23	0.51	0.10	0.84	0.84	0.83		31	33	28	1	1	1				
C1A	10/8/2019	Mid-Flood	Cloudy	Moderate	12:40	28	M	14	3							0.21	0.52	0.10	0.83				NA	NA									
C1A	10/8/2019	Mid-Flood	Cloudy	Moderate	12:40	28	B	27	1	3	0.28			0.025			0.28	0.52	0.10	0.90				34			1						
C1A	10/8/2019	Mid-Flood	Cloudy	Moderate	12:40	28	B	27	2	3	0.20	0.24		0.018	0.022		0.20	0.51	0.11	0.82	0.85			26	30		2	1					
C1A	10/8/2019	Mid-Flood	Cloudy	Moderate	12:40	28	B	27	3							0.22	0.51	0.10	0.83				NA	NA									
C2A	10/8/2019	Mid-Flood	Cloudy	Moderate	15:19	13	S	1	1	3	0.54			0.039			0.54	0.30	0.09	0.93				530			2						
C2A	10/8/2019	Mid-Flood	Cloudy	Moderate	15:19	13	S	1	2	2	0.51	0.53		0.037	0.038		0.51	0.30	0.09	0.90	0.89			420	472		2	2					
C2A	10/8/2019	Mid-Flood	Cloudy	Moderate	15:19	13	S	1	3							0.47	0.29	0.09	0.85				NA	NA									
C2A	10/8/2019	Mid-Flood	Cloudy	Moderate	15:19	13	M	6.5	1	3	0.52			0.039			0.52	0.29	0.09	0.90				760			2						
C2A	10/8/2019	Mid-Flood	Cloudy	Moderate	15:19	13	M	6.5	2	3	0.49	0.51	0.52	0.036	0.037	0.039	0.49	0.29	0.09	0.87	0.90	0.89		260	445	561	2	2	2				
C2A	10/8/2019	Mid-Flood	Cloudy	Moderate	15:19	13	M	6.5	3							0.55	0.30	0.08	0.93				NA	NA									
C2A	10/8/2019	Mid-Flood	Cloudy	Moderate	15:19	13	B	12	1	3	0.53			0.042			0.53	0.29	0.09	0.91				710			2						
C2A	10/8/2019	Mid-Flood	Cloudy	Moderate	15:19	13	B	12	2	2	0.50	0.52		0.040	0.041		0.50	0.30	0.09	0.89	0.89			1000	843		2	2					
C2A	10/8/2019	Mid-Flood	Cloudy	Moderate	15:19	13	B	12	3							0.48	0.30	0.09	0.87				NA	NA									
G2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:42	12	S	1	1	4	NA	NA		NA	NA		0.23	0.48	0.10	0.81				NA	NA		NA	NA					
G2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:42	12	S	1	2	4	NA	NA		NA	NA		0.24	0.51	0.10	0.85	0.84			NA	NA		NA	NA					
G2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:42	12	S	1	3							0.25	0.51	0.10	0.86				NA	NA									
G2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:42	12	M	6	1	4	NA	NA		NA	NA		0.24	0.51	0.11	0.86				NA	NA		NA	NA					
G2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:42	12	M	6	2	3	NA	NA		NA	NA		0.22	0.52	0.10	0.84	0.85	0.85		NA	NA		NA	NA					
G2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:42	12	M	6	3							0.22	0.52	0.10	0.84				NA	NA									
G2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:42	12	B	11	1	4	NA	NA		NA	NA		0.25	0.51	0.10	0.86				NA	NA		NA	NA					
G2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:42	12	B	11	2	5	NA	NA		NA	NA		0.22	0.52	0.10	0.84	0.85			NA	NA		NA	NA					
G2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:42	12	B	11	3							0.24	0.51	0.10	0.85				NA	NA									
SR2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:24	9	S	1	1	4	0.19			0.015			NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:24	9	S	1	2	5	0.22	0.21		0.018	0.017		NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:24	9	S	1	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:24	9	M	4.5	1	3	0.20			0.016			NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:24	9	M	4.5	2	5	0.21	0.21	0.21	0.017	0.017	0.017	NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:24	9	M	4.5	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:24	9	B	8	1	4	0.22			0.019			NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:24	9	B	8	2	5	0.19	0.21		0.016	0.017		NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR2	10/8/2019	Mid-Flood	Cloudy	Moderate	13:24	9	B	8	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR3	10/8/2019	Mid-Flood	Cloudy	Moderate	14:00	8	S	1	1	4	0.26			0.022			NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR3	10/8/2019	Mid-Flood	Cloudy	Moderate	14:00	8	S	1	2	4	0.24	0.25		0.020	0.021		NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR3	10/8/2019	Mid-Flood	Cloudy	Moderate	14:00	8	S	1	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR3	10/8/2019	Mid-Flood	Cloudy	Moderate	14:00	8	M	4	1	4	0.22			0.019			NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR3	10/8/2019	Mid-Flood	Cloudy	Moderate	14:00	8	M	4	2	5	0.24	0.23	0.24	0.021	0.020	0.021	NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR3	10/8/2019	Mid-Flood	Cloudy	Moderate	14:00	8	M	4	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR3	10/8/2019	Mid-Flood	Cloudy	Moderate	14:00	8	B	7	1	4	0.24			0.021			NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR3	10/8/2019	Mid-Flood	Cloudy	Moderate	14:00	8	B	7	2	4	0.24	0.24		0.021	0.021		NA	NA	NA	NA	NA				NA	NA		NA	NA				
SR3	10/8/2019	Mid-Flood	Cloudy	Moderate	14:00	8	B	7	3							NA	NA	NA	NA	NA	NA				NA	NA		NA	NA				

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	S	1	1	3	0.28	0.26	0.27	0.022	0.020	0.021	NA	NA	NA	NA	NA	180	194	200	NA	NA	NA	1	2	1	2		
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	S	1	2	3	0.24	0.24	0.24	0.020	0.020	0.020	NA	NA	NA	NA	NA	210	205	200	NA	NA	NA	2	2	2	2		
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	M	1	1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	M	2	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	M	3	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	B	3	1	2	0.24	0.24	0.24	0.020	0.020	0.020	NA	NA	NA	NA	NA	210	205	200	NA	NA	NA	2	2	2	2		
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	B	3	2	2	0.24	0.24	0.24	0.020	0.020	0.020	NA	NA	NA	NA	NA	200	205	200	NA	NA	NA	2	2	2	2		
SR4	10/8/2019	Mid-Flood	Cloudy	Moderate	14:21	4	B	3	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	S	1	1	4	NA	NA	NA	NA	NA	NA	0.25	0.53	0.10	0.88	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	S	1	2	5	NA	NA	NA	NA	NA	NA	0.23	0.53	0.10	0.86	0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	S	1	3	3	NA	NA	NA	NA	NA	NA	0.25	0.53	0.11	0.89	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	M	5.5	1	4	NA	NA	NA	NA	NA	NA	0.24	0.53	0.11	0.88	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	M	5.5	2	3	NA	NA	NA	NA	NA	NA	0.25	0.52	0.10	0.87	0.87	0.87	0.87	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	M	5.5	3	3	NA	NA	NA	NA	NA	NA	0.24	0.52	0.10	0.86	0.86	0.86	0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	B	10	1	5	NA	NA	NA	NA	NA	NA	0.23	0.52	0.10	0.85	0.85	0.85	0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	B	10	2	5	NA	NA	NA	NA	NA	NA	0.23	0.52	0.10	0.85	0.85	0.85	0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	10/8/2019	Mid-Flood	Cloudy	Moderate	13:02	11	B	10	3	3	NA	NA	NA	NA	NA	NA	0.26	0.52	0.10	0.88	0.88	0.88	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	S	1	1	3	0.21	0.22	0.22	0.017	0.018	0.018	NA	NA	NA	NA	NA	360	570	453	NA	NA	NA	2	2	2	2		
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	S	1	2	3	0.22	0.22	0.22	0.018	0.018	0.018	NA	NA	NA	NA	NA	360	400	379	433	NA	NA	NA	1	2	2	2	
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	S	1	3	3	0.24	0.23	0.24	0.020	0.020	0.020	NA	NA	NA	NA	NA	360	400	379	433	NA	NA	NA	2	2	2	2	
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	M	7.5	1	2	0.23	0.23	0.23	0.020	0.020	0.020	NA	NA	NA	NA	NA	360	400	379	433	NA	NA	NA	2	2	2	2	
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	M	7.5	3	3	0.23	0.23	0.23	0.020	0.020	0.020	NA	NA	NA	NA	NA	360	400	379	433	NA	NA	NA	2	2	2	2	
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	B	14	1	2	0.23	0.24	0.24	0.020	0.021	0.021	NA	NA	NA	NA	NA	530	420	472	NA	NA	NA	2	2	2	2		
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	B	14	2	3	0.24	0.24	0.24	0.021	0.021	0.021	NA	NA	NA	NA	NA	420	472	NA	NA	NA	2	2	2	2	2		
SR12	10/8/2019	Mid-Flood	Cloudy	Moderate	14:36	15	B	14	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	S	1	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	S	1	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	S	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	M	7	1	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	M	7	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	M	7	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	B	13	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	B	13	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	B	13	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	10/8/2019	Mid-Flood	Cloudy	Moderate	14:58	14	B	13	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																										
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)					
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	S	1	1	8.13	8.14	25.49	25.51	29.02	29.02	82.4	82.6	5.68	5.69	1.2	1.3	2.2	0.23	0.23	0.24	0.018	0.018	0.020	0.020	0.020	0.23	0.49	0.10	0.82	0.83	0.84
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	S	1	2	8.14	8.14	25.52	25.51	29.01	29.02	82.7	82.6	5.70	5.69	1.4	1.3	2.2	0.23	0.23	0.24	0.018	0.018	0.020	0.020	0.020	0.23	0.50	0.10	0.83	0.83	0.84
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	M	14	1	8.16	8.17	25.93	25.95	28.82	28.81	76.5	76.4	5.27	5.26	2.1	2.2	2.2	0.24	0.24	0.24	0.020	0.020	0.020	0.020	0.24	0.52	0.10	0.86	0.86	0.84	
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	M	14	2	8.17	8.17	25.96	25.95	28.80	28.81	76.2	76.4	5.25	5.26	2.3	2.2	2.2	0.24	0.24	0.24	0.020	0.020	0.020	0.020	0.24	0.52	0.10	0.86	0.86	0.84	
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	M	14	3	8.17	8.17	25.96	25.95	28.80	28.81	76.2	76.4	5.25	5.26	2.3	2.2	2.2	0.24	0.24	0.24	0.020	0.020	0.020	0.020	0.24	0.52	0.10	0.86	0.86	0.84	
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	B	27	1	8.20	8.21	26.23	26.25	28.53	28.53	71.0	71.2	4.89	4.91	3.0	3.0	3.0	0.25	0.25	0.25	0.022	0.022	0.022	0.022	0.25	0.46	0.11	0.82	0.82	0.84	
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	B	27	2	8.21	8.21	26.26	26.25	28.52	28.53	71.3	71.2	4.92	4.91	2.9	3.0	3.0	0.25	0.25	0.25	0.022	0.022	0.022	0.022	0.25	0.46	0.11	0.82	0.82	0.84	
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	B	27	3	8.21	8.21	26.26	26.25	28.52	28.53	71.3	71.2	4.92	4.91	2.9	3.0	3.0	0.25	0.25	0.25	0.022	0.022	0.022	0.022	0.25	0.46	0.11	0.82	0.82	0.84	
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	1	8.10	8.10	27.11	27.10	28.45	28.45	80.5	80.7	5.38	5.40	1.4	1.4	1.8	0.52	0.52	0.52	0.036	0.036	0.036	0.036	0.52	0.24	0.08	0.84	0.84	0.82	
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	2	8.09	8.10	27.08	27.10	28.44	28.45	80.8	80.7	5.41	5.40	1.3	1.4	1.8	0.52	0.52	0.52	0.036	0.036	0.036	0.036	0.52	0.24	0.08	0.84	0.84	0.82	
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	3	8.10	8.10	27.08	27.10	28.44	28.45	80.8	80.7	5.41	5.40	1.3	1.4	1.8	0.52	0.52	0.52	0.036	0.036	0.036	0.036	0.52	0.24	0.08	0.84	0.84	0.82	
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	1	8.14	8.15	27.46	27.48	28.28	28.28	76.0	76.2	5.08	5.09	1.7	1.7	1.8	0.46	0.46	0.46	0.035	0.035	0.035	0.037	0.46	0.24	0.08	0.78	0.78	0.82	
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	2	8.15	8.15	27.49	27.48	28.28	28.28	76.3	76.2	5.10	5.09	1.6	1.7	1.8	0.46	0.46	0.46	0.035	0.035	0.035	0.037	0.46	0.24	0.08	0.78	0.78	0.82	
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	3	8.15	8.15	27.49	27.48	28.28	28.28	76.3	76.2	5.10	5.09	1.6	1.7	1.8	0.46	0.46	0.46	0.035	0.035	0.035	0.037	0.46	0.24	0.08	0.78	0.78	0.82	
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	1	8.17	8.17	27.92	27.94	28.09	28.10	71.1	71.0	4.75	4.74	2.2	2.3	2.3	0.50	0.51	0.51	0.039	0.040	0.040	0.040	0.50	0.24	0.09	0.83	0.84	0.82	
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	2	8.16	8.17	27.96	27.94	28.10	28.10	70.8	71.0	4.72	4.74	2.3	2.3	2.3	0.51	0.51	0.51	0.040	0.040	0.040	0.040	0.51	0.24	0.09	0.84	0.84	0.82	
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	3	8.17	8.17	27.96	27.94	28.10	28.10	70.8	71.0	4.72	4.74	2.3	2.3	2.3	0.51	0.51	0.51	0.040	0.040	0.040	0.040	0.51	0.24	0.09	0.84	0.84	0.82	
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	S	1	1	8.17	8.17	23.58	23.57	29.23	29.23	96.3	96.2	6.55	6.54	1.8	1.9	1.9	NA	NA	NA	NA	NA	NA	NA	0.25	0.40	0.10	0.75	0.76	0.77	
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	S	1	2	8.16	8.17	23.56	23.57	29.22	29.23	96.0	96.2	6.52	6.54	1.9	1.9	1.9	NA	NA	NA	NA	NA	NA	NA	0.25	0.42	0.10	0.77	0.76	0.77	
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	S	1	3	8.17	8.17	23.56	23.57	29.22	29.23	96.0	96.2	6.52	6.54	1.9	1.9	1.9	NA	NA	NA	NA	NA	NA	NA	0.25	0.41	0.10	0.76	0.76	0.77	
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	M	6	1	8.19	8.10	24.10	24.10	29.10	29.10	91.2	91.3	6.20	6.21	2.6	2.7	2.7	NA	NA	NA	NA	NA	NA	NA	0.24	0.45	0.11	0.80	0.80	0.77	
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	M	6	2	8.00	8.10	24.09	24.10	29.10	29.10	91.4	91.3	6.22	6.21	2.8	2.7	2.7	NA	NA	NA	NA	NA	NA	NA	0.24	0.45	0.11	0.80	0.80	0.77	
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	M	6	3	8.10	8.10	24.09	24.10	29.10	29.10	91.4	91.3	6.22	6.21	2.8	2.7	2.7	NA	NA	NA	NA	NA	NA	NA	0.24	0.45	0.11	0.80	0.80	0.77	
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	B	11	1	8.22	8.23	24.39	24.41	29.00	29.00	84.3	84.5	5.73	5.74	3.3	3.2	3.2	NA	NA	NA	NA	NA	NA	NA	0.24	0.39	0.11	0.74	0.75	0.75	
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	B	11	2	8.23	8.23	24.42	24.41	28.99	29.00	84.6	84.5	5.75	5.74	3.1	3.2	3.2	NA	NA	NA	NA	NA	NA	NA	0.24	0.40	0.11	0.75	0.75	0.75	
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	B	11	3	8.23	8.23	24.42	24.41	28.99	29.00	84.6	84.5	5.75	5.74	3.1	3.2	3.2	NA	NA	NA	NA	NA	NA	NA	0.24	0.40	0.11	0.75	0.75	0.75	
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	S	1	1	8.13	8.14	23.42	23.45	28.88	28.89	82.3	82.2	5.72	5.71	1.0	1.1	1.1	0.21	0.21	0.21	0.017	0.017	0.017	0.017	0.21	0.40	0.10	0.75	NA	NA	
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	S	1	2	8.14	8.14	23.47	23.45	28.89	28.89	82.0	82.2	5.70	5.71	1.2	1.1	1.1	0.21	0.21	0.21	0.017	0.017	0.017	0.017	0.21	0.40	0.10	0.75	NA	NA	
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	S	1	3	8.14	8.14	23.47	23.45	28.89	28.89	82.0	82.2	5.70	5.71	1.2	1.1	1.1	0.21	0.21	0.21	0.017	0.017	0.017	0.017	0.21	0.40	0.10	0.75	NA	NA	
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	M	4.5	1	8.16	8.16	23.69	23.71	28.69	28.70	73.6	73.8	5.12	5.13	1.7	1.8	1.8	0.21	0.21	0.21	0.017	0.017	0.017	0.017	0.21	0.40	0.10	0.75	NA	NA	
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	M	4.5	2	8.15	8.16	23.72	23.71	28.70	28.70	73.9	73.8	5.14	5.13	1.9	1.8	1.8	0.21	0.21	0.21	0.017	0.017	0.017	0.017	0.21	0.40	0.10	0.75	NA	NA	
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	M	4.5	3	8.16	8.16	23.72	23.71	28.70	28.70	73.9	73.8	5.14	5.13	1.9	1.8	1.8	0.21	0.21	0.21	0.017	0.017	0.017	0.017	0.21	0.40	0.10	0.75	NA	NA	
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	B	8	1	8.17	8.17	23.98	24.00	28.52	28.53	70.2	70.1	4.88	4.87	2.4	2.5	2.5	0.21	0.21	0.21	0.017	0.017	0.017	0.017	0.21	0.40	0.10	0.75	NA	NA	
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	B	8	2	8.16	8.17	24.01	24.00	28.53	28.53	69.9	70.1	4.85	4.87																	

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																													
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)			TIN-Nitrate (mg/L-N)			TIN-Nitrite (mg/L-N)			Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.			
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	S	1	1	4	0.21			0.017			0.21	0.49	0.10	0.80				17			NA			2									
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	S	1	2	3	0.25	0.23		0.020	0.018		0.25	0.49	0.10	0.84	0.84			35	24		NA	NA		2	2								
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	S	1	3							0.26	0.51	0.10	0.87								NA												
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	M	14	1	3	0.21			0.017			0.21	0.52	0.10	0.83				41			NA			2									
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	M	14	2	2	0.25	0.23		0.021	0.019		0.25	0.52	0.10	0.87	0.85			58	49	31	NA	NA		2	2	2							
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	M	14	3							0.25	0.50	0.10	0.85								NA												
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	B	27	1	3	0.25			0.022			0.25	0.46	0.10	0.81				30			NA			2									
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	B	27	2	4	0.20	0.23		0.018	0.020		0.20	0.45	0.10	0.75	0.78			23	26		NA	NA		2	2								
C1A	10/8/2019	Mid-Ebb	Cloudy	Moderate	12:03	28	B	27	3							0.25	0.44	0.10	0.79								NA												
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	1	3	0.52			0.036			0.52	0.24	0.08	0.84				560			NA			2									
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	2	3	0.50	0.51		0.035	0.035		0.50	0.24	0.08	0.82	0.84			670	613		NA	NA		1	2								
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	3							0.53	0.24	0.08	0.85								NA												
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	1	2	0.46			0.035			0.46	0.23	0.08	0.77				700			NA			2									
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	2	3	0.45	0.46	0.48	0.034	0.035	0.035	0.45	0.23	0.08	0.76	0.79			360	502	550	NA	NA		2	2	2							
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	3							0.52	0.23	0.08	0.83								NA												
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	1	2	0.46			0.036			0.46	0.23	0.08	0.77				540			NA			2									
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	2	3	0.47	0.47		0.037	0.036		0.47	0.23	0.08	0.78	0.81			540	540		NA	NA		2	2								
C2A	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	3							0.56	0.23	0.08	0.87								NA												
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	S	1	1	3	NA			NA			0.24	0.40	0.10	0.74				NA			NA			NA									
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	S	1	2	3	NA	NA		NA	NA		0.25	0.44	0.10	0.79	0.78			NA	NA		NA	NA		NA	NA								
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	S	1	3							0.24	0.46	0.10	0.80								NA												
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	M	6	1	3	NA			NA			0.23	0.46	0.10	0.79				NA			NA			NA	NA								
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	M	6	2	4	NA	NA		NA	NA		0.23	0.42	0.10	0.75	0.75			NA	NA	NA	NA	NA		NA	NA								
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	M	6	3							0.22	0.39	0.10	0.71								NA												
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	B	11	1	2	NA			NA			0.24	0.39	0.10	0.73	0.72			NA	NA		NA			NA	NA								
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	B	11	2	3	NA	NA		NA	NA		0.24	0.39	0.10	0.73				NA	NA		NA			NA	NA								
G2	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:58	12	B	11	3							0.21	0.38	0.10	0.69								NA												
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	S	1	1	3	0.20			0.016			NA	NA	NA	NA	NA				NA			NA			NA	NA							
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	S	1	2	3	0.20	0.20		0.016	0.016		NA	NA	NA	NA	NA	NA			NA	NA	NA	NA		NA	NA								
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	S	1	3							NA	NA	NA	NA	NA	NA				NA			NA			NA	NA							
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	M	4.5	1	3	0.18			0.015			NA	NA	NA	NA	NA	NA			NA			NA			NA	NA							
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	M	4.5	2	3	0.21	0.20	0.20	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA		NA	NA								
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	M	4.5	3							NA	NA	NA	NA	NA	NA				NA			NA			NA	NA							
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	B	8	1	3	0.20			0.017			NA	NA	NA	NA	NA	NA			NA			NA			NA	NA							
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	B	8	2	3	0.20	0.20		0.017	0.017		NA	NA	NA	NA	NA	NA			NA			NA			NA	NA							
SR2	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:14	9	B	8	3							NA	NA	NA	NA	NA	NA				NA			NA			NA	NA							
SR3	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	S	1	1	3	0.26			0.023			NA	NA	NA	NA	NA	NA			NA			NA			NA	NA							
SR3	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	S	1	2	3	0.25	0.26		0.022	0.022		NA	NA	NA	NA	NA	NA			NA			NA			NA	NA							
SR3	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	S	1	3							NA	NA	NA	NA	NA	NA				NA			NA			NA	NA							
SR3	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	M	4	1	3	0.23			0.021			NA	NA	NA	NA	NA	NA			NA			NA			NA	NA							
SR3	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	M	4	2	2	0.23	0.23	0.24	0.021	0.021	0.022	NA	NA	NA	NA	NA	NA			NA			NA			NA	NA							
SR3	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	M	4	3							NA	NA	NA	NA	NA	NA				NA			NA			NA	NA							
SR3	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	B	7	1	2	0.24			0.023			NA	NA	NA	NA	NA	NA			NA			NA			NA	NA							
SR3	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	B	7	2	2	0.23	0.24		0.022	0.022		NA	NA	NA	NA	NA	NA			NA			NA			NA	NA							
SR3	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	B	7	3							NA	NA	NA	NA	NA	NA				NA			NA			NA	NA							

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																								
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)			
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	
SR4	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:25	4	S	1	1	3	0.27	0.25	0.26	0.020	0.018	0.019	NA	NA	NA	NA	NA	NA	130	130	151	NA	NA	NA	2	1	1	1		
SR4	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:25	4	S	1	2	3	0.25	0.26	0.26	0.018	0.019	0.019	NA	NA	NA	NA	NA	NA	130	130	151	NA	NA	NA	1	1	1	1		
SR4	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:25	4	S	1	3	3	0.25	0.26	0.26	0.018	0.019	0.019	NA	NA	NA	NA	NA	NA	130	130	151	NA	NA	NA	1	1	1	1		
SR4	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:25	4	M	1	1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	
SR4	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:25	4	M	2	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	
SR4	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:25	4	B	3	2	2	0.28	0.26	0.26	0.021	0.020	0.020	NA	NA	NA	NA	NA	NA	160	174	151	NA	NA	NA	1	1	1	1		
SR4	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:25	4	B	3	2	2	0.24	0.26	0.26	0.018	0.020	0.020	NA	NA	NA	NA	NA	NA	190	174	151	NA	NA	NA	1	1	1	1		
SR4	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:25	4	B	3	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	
SR5	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:39	11	S	1	1	3	NA	NA	NA	NA	NA	NA	0.22	0.39	0.10	0.71	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:39	11	S	1	2	2	NA	NA	NA	NA	NA	NA	0.24	0.39	0.10	0.73	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:39	11	S	1	3	3	NA	NA	NA	NA	NA	NA	0.27	0.40	0.10	0.77	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:39	11	M	5.5	1	2	NA	NA	NA	NA	NA	NA	0.23	0.42	0.10	0.75	0.81	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:39	11	M	5.5	2	3	NA	NA	NA	NA	NA	NA	0.26	0.48	0.10	0.84	0.81	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:39	11	M	5.5	3	3	NA	NA	NA	NA	NA	NA	0.26	0.48	0.10	0.84	0.81	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:39	11	B	10	1	2	NA	NA	NA	NA	NA	NA	0.23	0.48	0.11	0.82	0.82	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:39	11	B	10	2	3	NA	NA	NA	NA	NA	NA	0.25	0.49	0.10	0.84	0.82	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	10/8/2019	Mid-Ebb	Cloudy	Moderate	11:39	11	B	10	3	3	NA	NA	NA	NA	NA	NA	0.21	0.50	0.10	0.81	0.82	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:04	15	S	1	1	3	0.23	0.23	0.23	0.020	0.020	0.020	NA	NA	NA	NA	NA	NA	560	461	536	NA	NA	NA	2	1	1	1		
SR12	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:04	15	S	1	2	2	0.22	0.23	0.23	0.019	0.020	0.020	NA	NA	NA	NA	NA	NA	380	461	536	NA	NA	NA	<1	1	1	1		
SR12	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:04	15	S	1	3	3	0.21	0.23	0.23	0.020	0.021	0.020	NA	NA	NA	NA	NA	NA	490	577	536	NA	NA	NA	1	1	1	1		
SR12	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:04	15	M	7.5	1	3	0.24	0.23	0.23	0.022	0.021	0.020	NA	NA	NA	NA	NA	NA	680	577	536	NA	NA	NA	1	1	1	1		
SR12	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:04	15	M	7.5	3	3	0.21	0.23	0.23	0.020	0.021	0.020	NA	NA	NA	NA	NA	NA	680	577	536	NA	NA	NA	1	1	1	1		
SR12	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:04	15	B	14	1	4	0.20	0.21	0.21	0.019	0.019	0.019	NA	NA	NA	NA	NA	NA	590	580	536	NA	NA	NA	2	2	2	2		
SR12	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:04	15	B	14	2	3	0.22	0.21	0.21	0.020	0.019	0.019	NA	NA	NA	NA	NA	NA	570	580	536	NA	NA	NA	2	2	2	2		
SR12	10/8/2019	Mid-Ebb	Cloudy	Moderate	10:04	15	B	14	3	3	0.22	0.21	0.21	0.020	0.019	0.019	NA	NA	NA	NA	NA	NA	570	580	536	NA	NA	NA	2	2	2	2		
SR13	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:50	14	S	1	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:50	14	S	1	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:50	14	S	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:50	14	M	7	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:50	14	M	7	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:50	14	M	7	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:50	14	B	13	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:50	14	B	13	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	10/8/2019	Mid-Ebb	Cloudy	Moderate	9:50	14	B	13	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																											
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)				
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	S	1	1	8.39	27.28	27.28	30.51	30.52	98.9	98.9	6.75	6.75	6.75	5.51	2.9	2.9	3.5	0.09	0.09	0.09	0.013	0.013	0.013	0.09	1.11	0.12	1.32				
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	S	1	2	8.39	27.28	27.28	30.52	30.52	98.9	98.9	6.75	6.75	6.75	5.51	2.9	2.9	3.5	0.09	0.09	0.09	0.013	0.013	0.013	0.09	1.12	0.12	1.33	1.33			
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	S	1	3											5.51			3.5	0.09	0.09	0.09	0.008	0.008	0.008	0.09	1.13	0.12	1.34				
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	M	14	1	8.25	28.75	28.76	28.20	28.19	63.1	63.2	4.26	4.27	4.27	5.51	3.4	3.4	3.5	0.09	0.09	0.09	0.008	0.008	0.009	0.09	1.21	0.12	1.42	1.42			
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	M	14	2	8.25	28.77	28.76	28.18	28.19	63.2	63.2	4.26	4.27	4.27	5.51	3.4	3.4	3.5	0.09	0.09	0.09	0.008	0.008	0.009	0.09	1.22	0.12	1.43	1.42			
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	M	14	3											5.51			3.5	0.09	0.09	0.09	0.007	0.007	0.007	0.09	1.21	0.12	1.42				
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	B	27	1	8.20	30.39	30.39	26.95	26.95	52.9	52.9	3.65	3.65	3.65	5.51	4.3	4.3	3.5	0.09	0.09	0.09	0.007	0.007	0.007	0.09	1.23	0.13	1.45	1.45			
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	B	27	2	8.20	30.39	30.39	26.95	26.95	52.9	52.9	3.65	3.65	3.65	5.51	4.3	4.3	3.5	0.09	0.09	0.09	0.007	0.007	0.007	0.09	1.23	0.13	1.45	1.46			
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	B	27	3											5.51			3.5	0.09	0.09	0.09	0.007	0.007	0.007	0.10	1.24	0.13	1.47				
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	S	1	1	8.37	25.29	25.34	29.52	29.54	111.1	111.1	7.42	7.42	7.42	6.84	1.7	1.7	1.9	0.18	0.18	0.18	0.024	0.024	0.024	0.18	0.41	0.06	0.65	0.65			
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	S	1	2	8.37	25.34	25.34	29.54	29.54	111.0	111.0	7.41	7.42	7.42	6.84	1.7	1.7	1.9	0.18	0.18	0.18	0.024	0.024	0.024	0.18	0.41	0.06	0.65	0.65			
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	S	1	3											6.84			1.9	0.18	0.18	0.18	0.022	0.022	0.022	0.18	0.42	0.06	0.66				
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	M	6.5	1	8.35	25.58	25.58	29.09	29.10	93.9	95.9	6.27	6.27	6.27	6.84	1.9	1.9	1.9	0.18	0.18	0.18	0.022	0.022	0.022	0.18	0.41	0.07	0.66	0.66			
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	M	6.5	2	8.35	25.58	25.58	29.11	29.10	97.9	95.9	6.27	6.27	6.27	6.84	1.9	1.9	1.9	0.18	0.18	0.18	0.022	0.022	0.022	0.18	0.41	0.07	0.66	0.66			
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	M	6.5	3											6.84			1.9	0.18	0.18	0.18	0.022	0.022	0.022	0.18	0.41	0.07	0.66				
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	B	12	1	8.26	25.83	25.82	28.73	28.74	84.2	84.1	5.62	5.61	5.61	6.84	2.1	2.1	2.1	0.19	0.19	0.19	0.019	0.019	0.019	0.19	0.42	0.07	0.68	0.68			
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	B	12	2	8.26	25.81	25.82	28.74	28.74	83.9	84.1	5.59	5.61	5.61	6.84	2.2	2.1	2.1	0.19	0.19	0.19	0.019	0.019	0.019	0.19	0.42	0.07	0.68	0.68			
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	B	12	3											6.84			2.1	0.19	0.19	0.19	0.019	0.019	0.019	0.19	0.43	0.06	0.68				
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	S	1	1	8.39	19.71	19.72	30.08	30.10	94.6	94.7	6.42	6.43	6.43	6.30	2.6	2.6	2.8	NA	NA	NA	NA	NA	NA	0.11	0.65	0.10	0.86	0.86			
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	S	1	2	8.39	19.73	19.72	30.12	30.10	94.8	94.7	6.44	6.43	6.43	6.30	2.5	2.5	2.8	NA	NA	NA	NA	NA	NA	0.11	0.65	0.10	0.86	0.86			
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	S	1	3											6.30			2.8	NA	NA	NA	NA	NA	NA	0.12	0.66	0.11	0.89				
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	M	6	1	8.37	20.24	20.25	29.83	29.83	90.7	90.7	6.16	6.16	6.16	6.30	2.8	2.8	2.8	NA	NA	NA	NA	NA	NA	0.12	0.67	0.11	0.90	0.89			
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	M	6	2	8.37	20.25	20.25	29.82	29.83	90.7	90.7	6.16	6.16	6.16	6.30	2.8	2.8	2.8	NA	NA	NA	NA	NA	NA	0.12	0.67	0.11	0.90	0.89			
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	M	6	3											6.30			2.8	NA	NA	NA	NA	NA	0.11	0.66	0.11	0.88					
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	B	11	1	8.35	21.24	21.25	28.53	28.53	82.4	82.4	5.57	5.57	5.57	6.30	3.1	3.1	3.1	NA	NA	NA	NA	NA	0.12	0.67	0.11	0.90	0.90				
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	B	11	2	8.35	21.25	21.25	28.53	28.53	82.3	82.4	5.56	5.57	5.57	6.30	3.2	3.1	3.1	NA	NA	NA	NA	NA	0.12	0.67	0.11	0.90	0.90				
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	B	11	3											6.30			3.1	NA	NA	NA	NA	NA	0.12	0.67	0.11	0.90					
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	S	1	1	8.39	19.96	19.96	29.93	29.94	92.8	92.8	6.30	6.30	6.30	6.22	2.7	2.7	2.9	0.12	0.12	0.12	0.018	0.018	0.018	NA	NA	NA	NA	NA			
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	S	1	2	8.39	19.96	19.96	29.94	29.94	92.8	92.8	6.30	6.30	6.30	6.22	2.6	2.6	2.9	0.12	0.12	0.12	0.018	0.018	0.018	NA	NA	NA	NA	NA			
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	S	1	3											6.22			2.9	0.13	0.13	0.13	0.019	0.019	0.019	NA	NA	NA	NA	NA			
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	M	4.5	1	8.38	20.07	20.08	29.86	29.86	90.3	90.4	6.13	6.14	6.14	6.22	2.7	2.7	2.9	0.13	0.13	0.13	0.019	0.019	0.019	NA	NA	NA	NA	NA			
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	M	4.5	2	8.38	20.09	20.08	29.85	29.86	90.4	90.4	6.14	6.14	6.14	6.22	2.7	2.7	2.9	0.13	0.13	0.13	0.019	0.019	0.019	NA	NA	NA	NA	NA			
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	M	4.5	3											6.22			2.9	0.13	0.13	0.13	0.017	0.017	0.017	NA	NA	NA	NA	NA			
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	B	8	1	8.36	20.71	20.71	29.62	29.62	84.3	84.2	5.71	5.71	5.71	6.22	3.5	3.5	3.0	0.13	0.13	0.13	0.017	0.017	0.017	NA	NA	NA	NA	NA			
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	B	8	2	8.36	20.71	20.71	29.62	29.62	84.1	84.2	5.70	5.71	5.71	6.22	3.5	3.5	3.0	0.13	0.13	0.13	0.017	0.017	0.017	NA	NA	NA	NA	NA			
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	B	8	3											6.22			3.0	0.13	0.13	0.13	0.017	0.017	0.017	NA	NA						

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																													
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)			TIN-Nitrate (mg/L-N)			TIN-Nitrite (mg/L-N)			Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.			
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	S	1	1	4	0.09			0.013	0.012		0.09	0.99	0.12	1.20				9			NA			1									
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	S	1	2	4	0.08	0.09		0.012	0.012		0.08	1.10	0.12	1.30	1.27			7	8		NA	NA		1	1								
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	S	1	3							0.08	1.10	0.12	1.30								NA	NA											
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	M	14	1	5	0.08			0.007			0.08	1.20	0.12	1.40	1.37			11			NA			<1									
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	M	14	2	4	0.08	0.08	0.08	0.007	0.007		0.08	1.20	0.12	1.40	1.37			7	9		NA	NA		1	1	1							
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	M	14	3							0.08	1.10	0.12	1.30							NA			<1										
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	B	27	1	3	0.08			0.006			0.08	1.20	0.12	1.40				9			NA												
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	B	27	2	4	0.09	0.09		0.007	0.007		0.09	0.95	0.12	1.16	1.29			9	9		NA	NA		1	1								
C1A	13/8/2019	Mid-Flood	Fine	Smooth	15:11	28	B	27	3							0.08	1.10	0.12	1.30							NA													
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	S	1	1	6	0.18			0.024			0.18	0.40	0.06	0.64	0.61			150			NA			1									
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	S	1	2	6	0.18	0.18		0.024	0.024		0.18	0.35	0.07	0.60	0.61			100	122		NA	NA		<1	1								
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	S	1	3							0.17	0.37	0.06	0.60							NA													
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	M	6.5	1	5	0.18			0.022			0.18	0.38	0.06	0.62				110			NA			1									
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	M	6.5	2	5	0.18	0.18	0.18	0.022	0.022	0.022	0.18	0.35	0.06	0.59	0.60	0.59		100	105	221	NA	NA		2	1	1							
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	M	6.5	3							0.19	0.34	0.06	0.59							NA													
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	B	12	1	6	0.18			0.018			0.18	0.34	0.07	0.59				710			NA			1									
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	B	12	2	6	0.20	0.19		0.020	0.019		0.20	0.34	0.07	0.61	0.56			1000	843		NA	NA		1	1								
C2A	13/8/2019	Mid-Flood	Fine	Smooth	17:52	13	B	12	3							0.19	0.22	0.06	0.47							NA													
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	S	1	1	5	NA			NA			0.06	0.62	0.10	0.78						NA			NA										
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	S	1	2	5	NA	NA		NA	NA		0.11	0.65	0.10	0.86	0.84			NA	NA		NA	NA		NA	NA								
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	S	1	3							0.12	0.66	0.10	0.88							NA			NA										
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	M	6	1	6	NA			NA			0.11	0.66	0.11	0.88						NA			NA										
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	M	6	2	6	NA	NA		NA	NA		0.10	0.66	0.10	0.86	0.87			NA	NA		NA	NA		NA	NA								
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	M	6	3							0.11	0.66	0.10	0.87							NA			NA										
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	B	11	1	6	NA			NA			0.11	0.66	0.10	0.87						NA			NA										
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	B	11	2	6	NA	NA		NA	NA		0.11	0.67	0.10	0.88	0.87			NA	NA		NA	NA		NA	NA								
G2	13/8/2019	Mid-Flood	Fine	Smooth	16:22	12	B	11	3							0.11	0.65	0.10	0.86							NA			NA										
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	S	1	1	5	0.12			0.018			NA	NA	NA	NA						NA			NA										
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	S	1	2	4	0.12	0.12		0.018	0.018		NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA							
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	S	1	3							NA	NA	NA	NA							NA			NA										
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	M	4.5	1	5	0.10			0.014			NA	NA	NA	NA	NA					NA			NA										
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	M	4.5	2	5	0.11	0.11	0.11	0.014	0.015	0.016	NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA							
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	M	4.5	3							NA	NA	NA	NA							NA			NA										
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	B	8	1	5	0.11			0.015			NA	NA	NA	NA	NA					NA			NA										
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	B	8	2	5	0.11	0.11		0.015	0.015		NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA							
SR2	13/8/2019	Mid-Flood	Fine	Smooth	16:03	9	B	8	3							NA	NA	NA	NA							NA			NA										
SR3	13/8/2019	Mid-Flood	Fine	Smooth	16:41	8	S	1	1	6	0.11			0.017			NA	NA	NA	NA						NA			NA										
SR3	13/8/2019	Mid-Flood	Fine	Smooth	16:41	8	S	1	2	5	0.10	0.11		0.017	0.016		NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA							
SR3	13/8/2019	Mid-Flood	Fine	Smooth	16:41	8	S	1	3							NA	NA	NA	NA							NA			NA										
SR3	13/8/2019	Mid-Flood	Fine	Smooth	16:41	8	M	4	1	6	0.11			0.015			NA	NA	NA	NA						NA			NA										
SR3	13/8/2019	Mid-Flood	Fine	Smooth	16:41	8	M	4	2	6	0.11	0.11	0.11	0.015	0.015	0.015	NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA							
SR3	13/8/2019	Mid-Flood	Fine	Smooth	16:41	8	M	4	3							NA	NA	NA	NA							NA			NA										
SR3	13/8/2019	Mid-Flood	Fine	Smooth	16:41	8	B	7	1	6	0.12			0.015			NA	NA	NA	NA	NA					NA			NA										
SR3	13/8/2019	Mid-Flood	Fine	Smooth	16:41	8	B	7	2	5	0.11	0.12		0.014	0.015	0.015	NA	NA	NA	NA	NA				NA	NA		NA	NA		NA	NA							
SR3	13/8/2019	Mid-Flood	Fine	Smooth	16:41	8	B	7	3							NA	NA	NA	NA							NA			NA										

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	13/8/2019	Mid-Flood	Fine	Smooth	16:59	4	S	1	1	4	0.14	0.14	0.14	0.020	0.020	0.020	NA	NA	NA	NA	NA	270	289	289	NA	NA	NA	<1	<1	1	1		
SR4	13/8/2019	Mid-Flood	Fine	Smooth	16:59	4	S	1	2	4	0.13	0.14	0.13	0.019	0.020	0.019	NA	NA	NA	NA	NA	310	289	289	NA	NA	NA	<1	<1	1	1		
SR4	13/8/2019	Mid-Flood	Fine	Smooth	16:59	4	S	1	3	4	0.14	0.14	0.14	0.020	0.020	0.020	NA	NA	NA	NA	NA	310	289	289	NA	NA	NA	<1	<1	1	1		
SR4	13/8/2019	Mid-Flood	Fine	Smooth	16:59	4	M	1	1	4	0.14	0.14	0.14	0.020	0.020	0.020	NA	NA	NA	NA	NA	310	289	289	NA	NA	NA	<1	<1	1	1		
SR4	13/8/2019	Mid-Flood	Fine	Smooth	16:59	4	M	2	2	4	0.14	0.14	0.14	0.020	0.020	0.020	NA	NA	NA	NA	NA	310	289	289	NA	NA	NA	<1	<1	1	1		
SR4	13/8/2019	Mid-Flood	Fine	Smooth	16:59	4	M	3	3	4	0.14	0.14	0.14	0.020	0.020	0.020	NA	NA	NA	NA	NA	310	289	289	NA	NA	NA	<1	<1	1	1		
SR4	13/8/2019	Mid-Flood	Fine	Smooth	16:59	4	B	3	1	4	0.14	0.14	0.14	0.020	0.020	0.020	NA	NA	NA	NA	NA	310	289	289	NA	NA	NA	<1	<1	1	1		
SR4	13/8/2019	Mid-Flood	Fine	Smooth	16:59	4	B	3	2	4	0.12	0.13	0.12	0.018	0.018	0.018	NA	NA	NA	NA	NA	180	212	212	NA	NA	NA	2	2	2	2		
SR4	13/8/2019	Mid-Flood	Fine	Smooth	16:59	4	B	3	3	4	0.12	0.13	0.12	0.018	0.018	0.018	NA	NA	NA	NA	NA	180	212	212	NA	NA	NA	2	2	2	2		
SR5	13/8/2019	Mid-Flood	Fine	Smooth	15:39	11	S	1	1	5	NA	NA	NA	NA	NA	NA	0.09	1.20	0.11	1.40	1.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	13/8/2019	Mid-Flood	Fine	Smooth	15:39	11	S	1	2	5	NA	NA	NA	NA	NA	NA	0.09	1.40	0.11	1.60	1.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	13/8/2019	Mid-Flood	Fine	Smooth	15:39	11	S	1	3	5	NA	NA	NA	NA	NA	NA	0.08	1.30	0.11	1.49	1.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	13/8/2019	Mid-Flood	Fine	Smooth	15:39	11	M	5.5	1	5	NA	NA	NA	NA	NA	NA	0.09	1.20	0.11	1.40	1.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	13/8/2019	Mid-Flood	Fine	Smooth	15:39	11	M	5.5	2	5	NA	NA	NA	NA	NA	NA	0.08	1.30	0.12	1.50	1.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	13/8/2019	Mid-Flood	Fine	Smooth	15:39	11	M	5.5	3	5	NA	NA	NA	NA	NA	NA	0.09	1.30	0.11	1.50	1.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	13/8/2019	Mid-Flood	Fine	Smooth	15:39	11	B	10	1	6	NA	NA	NA	NA	NA	NA	0.09	1.20	0.11	1.40	1.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	13/8/2019	Mid-Flood	Fine	Smooth	15:39	11	B	10	2	6	NA	NA	NA	NA	NA	NA	0.09	1.20	0.11	1.40	1.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	13/8/2019	Mid-Flood	Fine	Smooth	15:39	11	B	10	3	6	NA	NA	NA	NA	NA	NA	0.08	1.30	0.12	1.50	1.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR12	13/8/2019	Mid-Flood	Fine	Smooth	17:17	15	S	1	1	4	0.17	0.16	0.17	0.023	0.022	0.023	NA	NA	NA	NA	NA	320	305	305	NA	NA	NA	<1	<1	1	1		
SR12	13/8/2019	Mid-Flood	Fine	Smooth	17:17	15	S	1	2	4	0.15	0.16	0.15	0.020	0.022	0.020	NA	NA	NA	NA	NA	290	305	305	NA	NA	NA	<1	<1	1	1		
SR12	13/8/2019	Mid-Flood	Fine	Smooth	17:17	15	S	1	3	4	0.15	0.16	0.15	0.020	0.022	0.020	NA	NA	NA	NA	NA	290	305	305	NA	NA	NA	<1	<1	1	1		
SR12	13/8/2019	Mid-Flood	Fine	Smooth	17:17	15	M	7.5	1	4	0.12	0.13	0.12	0.015	0.017	0.015	NA	NA	NA	NA	NA	1500	1095	667	NA	NA	NA	<1	<1	1	1		
SR12	13/8/2019	Mid-Flood	Fine	Smooth	17:17	15	M	7.5	2	5	0.14	0.13	0.14	0.018	0.017	0.018	NA	NA	NA	NA	NA	800	1095	667	NA	NA	NA	<1	<1	1	1		
SR12	13/8/2019	Mid-Flood	Fine	Smooth	17:17	15	M	7.5	3	5	0.14	0.13	0.14	0.018	0.017	0.018	NA	NA	NA	NA	NA	800	1095	667	NA	NA	NA	<1	<1	1	1		
SR12	13/8/2019	Mid-Flood	Fine	Smooth	17:17	15	B	14	1	4	0.14	0.14	0.14	0.017	0.017	0.017	NA	NA	NA	NA	NA	830	888	888	NA	NA	NA	<1	<1	1	1		
SR12	13/8/2019	Mid-Flood	Fine	Smooth	17:17	15	B	14	2	5	0.14	0.14	0.14	0.017	0.017	0.017	NA	NA	NA	NA	NA	950	888	888	NA	NA	NA	<1	<1	1	1		
SR12	13/8/2019	Mid-Flood	Fine	Smooth	17:17	15	B	14	3	5	0.14	0.14	0.14	0.017	0.017	0.017	NA	NA	NA	NA	NA	950	888	888	NA	NA	NA	<1	<1	1	1		
SR13	13/8/2019	Mid-Flood	Fine	Smooth	17:35	14	S	1	1	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Flood	Fine	Smooth	17:35	14	S	1	2	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Flood	Fine	Smooth	17:35	14	S	1	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Flood	Fine	Smooth	17:35	14	M	7	1	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Flood	Fine	Smooth	17:35	14	M	7	2	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Flood	Fine	Smooth	17:35	14	M	7	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Flood	Fine	Smooth	17:35	14	B	13	1	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Flood	Fine	Smooth	17:35	14	B	13	2	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Flood	Fine	Smooth	17:35	14	B	13	3	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																								
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)			
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	
C1A	13/8/2019	Mid-Ebb	Fine	Smooth	15:01	28	S	1	1	4	0.10			0.014	0.014				0.10	1.20	0.11	1.41				17			NA	NA	NA	<1		
C1A	13/8/2019	Mid-Ebb	Fine	Smooth	15:01	28	S	1	2	4	0.10	0.10		0.014	0.014				0.10	1.30	0.11	1.51				12	14		NA	NA	NA	<1	1	
C1A	13/8/2019	Mid-Ebb	Fine	Smooth	15:01	28	S	1	3										0.09	1.10	0.11	1.30							NA	NA	NA			
C1A	13/8/2019	Mid-Ebb	Fine	Smooth	15:01	28	M	14	1	4	0.10			0.009	0.008	0.010			0.10	1.20	0.11	1.41				18			NA	NA	NA	<1		
C1A	13/8/2019	Mid-Ebb	Fine	Smooth	15:01	28	M	14	2	3	0.08	0.09	0.09	0.007	0.008	0.010			0.08	1.40	0.12	1.60				16	17	9	NA	NA	NA	<1	1	1
C1A	13/8/2019	Mid-Ebb	Fine	Smooth	15:01	28	M	14	3										0.09	1.30	0.12	1.51							NA	NA	NA			
C1A	13/8/2019	Mid-Ebb	Fine	Smooth	15:01	28	B	27	1	5	0.08			0.006	0.007	0.010			0.08	1.20	0.12	1.40				1			NA	NA	NA	<1		
C1A	13/8/2019	Mid-Ebb	Fine	Smooth	15:01	28	B	27	2	4	0.09	0.09	0.09	0.007	0.007	0.010			0.09	1.40	0.11	1.60				9	3		NA	NA	NA	<1	1	
C1A	13/8/2019	Mid-Ebb	Fine	Smooth	15:01	28	B	27	3										0.09	1.30	0.12	1.51							NA	NA	NA			
C2A	13/8/2019	Mid-Ebb	Fine	Smooth	12:13	13	S	1	1	6	0.19			0.026	0.027				0.19	0.39	0.07	0.65				210			NA	NA	NA	2		
C2A	13/8/2019	Mid-Ebb	Fine	Smooth	12:13	13	S	1	2	6	0.21	0.20		0.028	0.027				0.21	0.35	0.06	0.62				220	215		NA	NA	NA	2	2	
C2A	13/8/2019	Mid-Ebb	Fine	Smooth	12:13	13	S	1	3										0.13	0.37	0.06	0.56							NA	NA	NA			
C2A	13/8/2019	Mid-Ebb	Fine	Smooth	12:13	13	M	6.5	1	6	0.21			0.027	0.025	0.024			0.21	0.35	0.06	0.62				230			NA	NA	NA	1		
C2A	13/8/2019	Mid-Ebb	Fine	Smooth	12:13	13	M	6.5	2	6	0.19	0.20	0.20	0.024	0.025	0.024			0.19	0.32	0.07	0.58				180	203	223	NA	NA	NA	1	1	1
C2A	13/8/2019	Mid-Ebb	Fine	Smooth	12:13	13	M	6.5	3										0.18	0.23	0.06	0.47							NA	NA	NA			
C2A	13/8/2019	Mid-Ebb	Fine	Smooth	12:13	13	B	12	1	5	0.19			0.020	0.020				0.19	0.3	0.07	0.56				250			NA	NA	NA	1		
C2A	13/8/2019	Mid-Ebb	Fine	Smooth	12:13	13	B	12	2	4	0.19	0.19		0.020	0.020				0.19	0.17	0.06	0.42				260	255		NA	NA	NA	2	1	
C2A	13/8/2019	Mid-Ebb	Fine	Smooth	12:13	13	B	12	3										0.21	0.29	0.07	0.57							NA	NA	NA			
G2	13/8/2019	Mid-Ebb	Fine	Smooth	13:46	12	S	1	1	6	NA	NA	NA	NA	NA	NA	NA	NA	0.11	0.57	0.11	0.79				NA	NA		NA	NA	NA	NA	NA	NA
G2	13/8/2019	Mid-Ebb	Fine	Smooth	13:46	12	S	1	2	6	NA	NA	NA	NA	NA	NA	NA	NA	0.11	0.60	0.10	0.81				NA	NA		NA	NA	NA	NA	NA	NA
G2	13/8/2019	Mid-Ebb	Fine	Smooth	13:46	12	S	1	3										0.11	0.60	0.11	0.82							NA	NA	NA	NA	NA	NA
G2	13/8/2019	Mid-Ebb	Fine	Smooth	13:46	12	M	6	1	7	NA	NA	NA	NA	NA	NA	NA	NA	0.12	0.61	0.10	0.83				NA	NA		NA	NA	NA	NA	NA	NA
G2	13/8/2019	Mid-Ebb	Fine	Smooth	13:46	12	M	6	2	7	NA	NA	NA	NA	NA	NA	NA	NA	0.12	0.61	0.10	0.83				NA	NA		NA	NA	NA	NA	NA	NA
G2	13/8/2019	Mid-Ebb	Fine	Smooth	13:46	12	M	6	3										0.11	0.62	0.11	0.84							NA	NA	NA	NA	NA	NA
G2	13/8/2019	Mid-Ebb	Fine	Smooth	13:46	12	B	11	1	5	NA	NA	NA	NA	NA	NA	NA	NA	0.11	0.63	0.10	0.84				NA	NA		NA	NA	NA	NA	NA	NA
G2	13/8/2019	Mid-Ebb	Fine	Smooth	13:46	12	B	11	2	6	NA	NA	NA	NA	NA	NA	NA	NA	0.11	0.62	0.10	0.83				NA	NA		NA	NA	NA	NA	NA	NA
G2	13/8/2019	Mid-Ebb	Fine	Smooth	13:46	12	B	11	3										0.12	0.62	0.10	0.84							NA	NA	NA	NA	NA	NA
SR2	13/8/2019	Mid-Ebb	Fine	Smooth	14:05	9	S	1	1	5	0.11	0.12		0.016	0.017				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR2	13/8/2019	Mid-Ebb	Fine	Smooth	14:05	9	S	1	2	5	0.12	0.12		0.018	0.017				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR2	13/8/2019	Mid-Ebb	Fine	Smooth	14:05	9	S	1	3										NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR2	13/8/2019	Mid-Ebb	Fine	Smooth	14:05	9	M	4.5	1	5	0.10	0.11	0.11	0.014	0.015	0.016			NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR2	13/8/2019	Mid-Ebb	Fine	Smooth	14:05	9	M	4.5	2	5	0.11	0.11	0.11	0.016	0.015	0.016			NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR2	13/8/2019	Mid-Ebb	Fine	Smooth	14:05	9	M	4.5	3										NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR2	13/8/2019	Mid-Ebb	Fine	Smooth	14:05	9	B	8	1	5	0.11	0.11		0.015	0.015				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR2	13/8/2019	Mid-Ebb	Fine	Smooth	14:05	9	B	8	2	5	0.11	0.11		0.015	0.015				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR2	13/8/2019	Mid-Ebb	Fine	Smooth	14:05	9	B	8	3										NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR3	13/8/2019	Mid-Ebb	Fine	Smooth	13:26	8	S	1	1	5	0.11	0.10		0.016	0.015				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR3	13/8/2019	Mid-Ebb	Fine	Smooth	13:26	8	S	1	2	4	0.09	0.10		0.013	0.015				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR3	13/8/2019	Mid-Ebb	Fine	Smooth	13:26	8	S	1	3										NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR3	13/8/2019	Mid-Ebb	Fine	Smooth	13:26	8	M	4	1	4	0.14	0.13	0.12	0.020	0.018	0.017			NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR3	13/8/2019	Mid-Ebb	Fine	Smooth	13:26	8	M	4	2	4	0.12	0.13	0.12	0.017	0.018	0.017			NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR3	13/8/2019	Mid-Ebb	Fine	Smooth	13:26	8	M	4	3										NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR3	13/8/2019	Mid-Ebb	Fine	Smooth	13:26	8	B	7	1	4	0.11	0.13		0.014	0.017				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR3	13/8/2019	Mid-Ebb	Fine	Smooth	13:26	8	B	7	2	5	0.15	0.13		0.019	0.017				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	NA
SR3	13/8/2019	Mid-Ebb	Fine	Smooth	13:26	8	B	7	3										NA	NA	NA	NA				NA	NA		NA	NA	NA			

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	13/8/2019	Mid-Ebb	Fine	Smooth	13:09	4	S	1	1	5	0.15	0.13	0.14	0.022	0.019	0.019	NA	NA	NA	NA	NA	190	218	221	NA	NA	NA	<1	1	1			
SR4	13/8/2019	Mid-Ebb	Fine	Smooth	13:09	4	S	1	2	4	0.11	0.13	0.14	0.016	0.019	0.019	NA	NA	NA	NA	NA	250	218	221	NA	NA	NA	<1	1	1			
SR4	13/8/2019	Mid-Ebb	Fine	Smooth	13:09	4	S	1	3	3	0.15	0.13	0.14	0.018	0.019	0.019	NA	NA	NA	NA	NA	240	224	221	NA	NA	NA	<1	1	1			
SR4	13/8/2019	Mid-Ebb	Fine	Smooth	13:09	4	M	1	1	1	0.15	0.13	0.14	0.021	0.019	0.019	NA	NA	NA	NA	NA	210	224	221	NA	NA	NA	<1	1	1			
SR4	13/8/2019	Mid-Ebb	Fine	Smooth	13:09	4	M	2	2	2	0.15	0.13	0.14	0.018	0.019	0.019	NA	NA	NA	NA	NA	240	224	221	NA	NA	NA	<1	1	1			
SR4	13/8/2019	Mid-Ebb	Fine	Smooth	13:09	4	B	3	2	5	0.15	0.13	0.14	0.021	0.019	0.019	NA	NA	NA	NA	NA	210	224	221	NA	NA	NA	<1	1	1			
SR4	13/8/2019	Mid-Ebb	Fine	Smooth	13:09	4	B	3	3	3	0.15	0.13	0.14	0.021	0.019	0.019	NA	NA	NA	NA	NA	210	224	221	NA	NA	NA	<1	1	1			
SR5	13/8/2019	Mid-Ebb	Fine	Smooth	14:29	11	S	1	1	4	NA	NA	NA	NA	NA	NA	0.09	1.20	0.12	1.41	1.47	1.52	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	13/8/2019	Mid-Ebb	Fine	Smooth	14:29	11	S	1	2	3	NA	NA	NA	NA	NA	NA	0.09	1.30	0.11	1.50	1.52	1.52	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	13/8/2019	Mid-Ebb	Fine	Smooth	14:29	11	S	1	3	3	NA	NA	NA	NA	NA	NA	0.09	1.30	0.11	1.50	1.52	1.52	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	13/8/2019	Mid-Ebb	Fine	Smooth	14:29	11	M	5.5	1	5	NA	NA	NA	NA	NA	NA	0.09	1.40	0.11	1.60	1.52	1.52	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	13/8/2019	Mid-Ebb	Fine	Smooth	14:29	11	M	5.5	2	4	NA	NA	NA	NA	NA	NA	0.08	1.30	0.12	1.50	1.52	1.52	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	13/8/2019	Mid-Ebb	Fine	Smooth	14:29	11	M	5.5	3	3	NA	NA	NA	NA	NA	NA	0.09	1.40	0.11	1.60	1.52	1.52	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	13/8/2019	Mid-Ebb	Fine	Smooth	14:29	11	B	10	1	3	NA	NA	NA	NA	NA	NA	0.09	1.30	0.11	1.50	1.52	1.52	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	13/8/2019	Mid-Ebb	Fine	Smooth	14:29	11	B	10	2	4	NA	NA	NA	NA	NA	NA	0.10	1.30	0.11	1.51	1.52	1.52	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	13/8/2019	Mid-Ebb	Fine	Smooth	14:29	11	B	10	3	3	NA	NA	NA	NA	NA	NA	0.09	1.35	0.11	1.55	1.52	1.52	NA	NA	NA	NA	NA	NA	NA	NA			
SR12	13/8/2019	Mid-Ebb	Fine	Smooth	12:51	15	S	1	1	5	0.15	0.14	0.14	0.021	0.019	0.019	NA	NA	NA	NA	NA	660	704	872	NA	NA	NA	<1	1	1			
SR12	13/8/2019	Mid-Ebb	Fine	Smooth	12:51	15	S	1	2	6	0.12	0.14	0.14	0.016	0.019	0.019	NA	NA	NA	NA	NA	750	704	872	NA	NA	NA	<1	1	1			
SR12	13/8/2019	Mid-Ebb	Fine	Smooth	12:51	15	S	1	3	3	0.15	0.15	0.14	0.020	0.020	0.018	NA	NA	NA	NA	NA	830	1078	872	NA	NA	NA	<1	1	1			
SR12	13/8/2019	Mid-Ebb	Fine	Smooth	12:51	15	M	7.5	1	5	0.15	0.15	0.14	0.020	0.020	0.018	NA	NA	NA	NA	NA	1400	1078	872	NA	NA	NA	<1	1	1			
SR12	13/8/2019	Mid-Ebb	Fine	Smooth	12:51	15	M	7.5	3	3	0.15	0.15	0.14	0.020	0.020	0.018	NA	NA	NA	NA	NA	850	875	872	NA	NA	NA	<1	1	1			
SR12	13/8/2019	Mid-Ebb	Fine	Smooth	12:51	15	B	14	1	5	0.13	0.14	0.14	0.016	0.017	0.017	NA	NA	NA	NA	NA	900	875	872	NA	NA	NA	<1	1	1			
SR12	13/8/2019	Mid-Ebb	Fine	Smooth	12:51	15	B	14	3	3	0.13	0.14	0.14	0.016	0.017	0.017	NA	NA	NA	NA	NA	900	875	872	NA	NA	NA	<1	1	1			
SR13	13/8/2019	Mid-Ebb	Fine	Smooth	12:31	14	S	1	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Ebb	Fine	Smooth	12:31	14	S	1	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Ebb	Fine	Smooth	12:31	14	S	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Ebb	Fine	Smooth	12:31	14	M	7	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Ebb	Fine	Smooth	12:31	14	M	7	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Ebb	Fine	Smooth	12:31	14	M	7	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Ebb	Fine	Smooth	12:31	14	B	13	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Ebb	Fine	Smooth	12:31	14	B	13	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	13/8/2019	Mid-Ebb	Fine	Smooth	12:31	14	B	13	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																								
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)		
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	S	1	1	8.23		23.89		29.02		86.8		5.96		1.2		0.19		0.019		0.19	0.53	0.08	0.80					
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	S	1	2	8.24	8.24	23.86	23.88	29.06	29.04	87.1	87.0	5.98	5.97	1.5	1.4	0.19	0.19	0.019	0.019	0.19	0.53	0.08	0.80					
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	S	1	3																									
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	M	14	1	8.26		24.42		29.63		81.3		5.58		2.3		0.20		0.022		0.20	0.54	0.08	0.82					
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	M	14	2	8.27	8.27	24.25	24.34	29.60	29.62	81.1	81.2	5.56	5.57	2.5	2.4	0.20	0.20	0.022	0.022	0.20	0.54	0.08	0.82					
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	M	14	3																									
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	B	27	1	8.30		25.03		30.01		74.6		5.12		3.2		0.19		0.022		0.19	0.54	0.09	0.82					
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	B	27	2	8.29	8.30	25.00	25.02	30.04	30.03	74.9	74.8	5.14	5.13	3.1	3.2	0.19	0.19	0.022	0.022	0.19	0.54	0.09	0.82					
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	B	27	3																									
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	S	1	1	8.18		25.86		28.45		82.4		5.54		1.4		0.20		0.017		0.20	0.41	0.06	0.67					
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	S	1	2	8.19	8.19	25.83	25.85	28.44	28.45	82.6	82.5	5.55	5.55	1.3	1.4	0.20	0.20	0.017	0.017	0.20	0.41	0.06	0.67					
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	S	1	3																									
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	M	6.5	1	8.22		26.43		28.37		76.1		5.11		1.7		0.19		0.017		0.19	0.42	0.06	0.67					
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	M	6.5	2	8.21	8.22	26.45	26.44	28.37	28.37	76.4	76.3	5.13	5.12	1.8	1.8	0.19	0.19	0.017	0.017	0.19	0.42	0.06	0.67					
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	M	6.5	3																									
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	B	12	1	8.24		26.89		28.26		72.4		4.86		2.2		0.21		0.020		0.21	0.42	0.07	0.70					
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	B	12	2	8.25	8.25	26.92	26.91	28.27	28.27	72.1	72.3	4.84	4.85	2.1	2.2	0.21	0.21	0.020	0.020	0.21	0.42	0.07	0.70					
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	B	12	3																									
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	S	1	1	8.24		23.87		29.03		82.3		5.54		1.6		NA		NA		NA	0.16	0.48	0.08	0.72				
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	S	1	2	8.25	8.25	23.83	23.85	29.02	29.03	82.7	82.5	5.56	5.55	1.5	1.6	NA	NA	NA	NA	0.16	0.48	0.08	0.72					
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	S	1	3																									
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	M	6	1	8.25		24.16		28.89		75.8		5.11		2.2		NA		NA		NA	0.16	0.51	0.08	0.75				
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	M	6	2	8.26	8.26	24.18	24.17	28.90	28.90	75.6	75.7	5.09	5.10	2.4	2.3	NA	NA	NA	NA	0.16	0.51	0.08	0.75					
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	M	6	3																									
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	B	11	1	8.28		24.44		28.82		71.4		4.81		3.0		NA		NA		NA	0.16	0.51	0.10	0.77				
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	B	11	2	8.27	8.28	24.40	24.42	28.81	28.82	71.7	71.6	4.83	4.82	2.9	3.0	NA	NA	NA	NA	0.16	0.51	0.10	0.77					
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	B	11	3																									
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	S	1	1	8.23		25.79		28.90		88.2		6.00		1.7		0.19		0.018		0.19	0.53	0.08	0.80					
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	S	1	2	8.22	8.23	25.76	25.78	28.89	28.90	88.4	88.3	6.02	6.01	1.9	1.8	0.19	0.19	0.018	0.018	0.19	0.53	0.08	0.80					
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	S	1	3																									
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	M	4.5	1	8.24		25.99		28.76		82.3		5.60		2.8		0.19		0.019		0.19	0.53	0.08	0.80					
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	M	4.5	2	8.25	8.25	26.03	26.01	28.77	28.77	81.9	82.1	5.56	5.58	2.6	2.7	0.19	0.19	0.019	0.019	0.19	0.53	0.08	0.80					
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	M	4.5	3																									
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	B	8	1	8.26		26.42		28.66		78.8		5.36		3.0		0.19		0.019		0.19	0.53	0.08	0.80					
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	B	8	2	8.27	8.27	26.38	26.40	28.65	28.66	78.4	78.6	5.33	5.35	3.2	3.1	0.19	0.19	0.019	0.019	0.19	0.53	0.08	0.80					
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	B	8	3																									
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	S	1	1	8.24		25.57		29.00		82.6		5.57		1.3		0.16		0.016		0.16	0.53	0.08	0.80					
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	S	1	2	8.23	8.24	25.59	25.58	29.01	29.01	82.9	82.8	5.59	5.58	1.2	1.3	0.16	0.16	0.016	0.016	0.16	0.53	0.08	0.80					
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	S	1	3																									
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	M	4	1	8.26		25.72		28.84		77.4		5.22		1.6		0.16		0.016		0.16	0.53	0.08	0.80					
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	M	4	2	8.25	8.26	25.76	25.74	28.83	28.84	77.5	77.5	5.23	5.23	1.7	1.7	0.16	0.16	0.016	0.016	0.16	0.53	0.08	0.80					
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	M	4	3																									
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	B	7	1	8.28		25.99		28.71		69.5		4.67		2.0		0.16		0.017		0.16	0.53	0.08	0.80					
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	B	7	2	8.27	8.28	26.01	26.00	28.72	28.72	69.9	69.7	4.70	4.69	2.1	2.1	0.16	0.16	0.017	0.017	0.16	0.53	0.08	0.80					
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	B	7	3																									

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	S	1	1	4	0.19			0.019			0.19	0.49	0.09	0.77				100			NA			1			
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	S	1	2	4	0.18	0.19		0.018	0.018		0.18	0.53	0.08	0.79			130	114		NA	NA		<1	1			
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	S	1	3							0.18	0.54	0.08	0.80							NA	NA						
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	M	14	1	3	0.19			0.021			0.19	0.53	0.08	0.80			140			NA			<1				
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	M	14	2	3	0.19	0.19		0.021	0.021		0.19	0.54	0.08	0.81	0.81	0.80	49	83		NA	NA		2	2	1		
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	M	14	3							0.20	0.53	0.08	0.81							NA							
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	B	27	1	4	0.18			0.021			0.18	0.54	0.08	0.80			150			NA			<1				
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	B	27	2	4	0.18	0.18		0.021	0.021		0.18	0.53	0.09	0.80	0.80	0.80	140	145		NA	NA		<1	1			
C1A	15/8/2019	Mid-Flood	Fine	Moderate	8:32	28	B	27	3							0.19	0.53	0.09	0.81							NA							
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	S	1	1	3	0.20			0.017			0.20	0.41	0.06	0.67			10			NA			<1				
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	S	1	2	3	0.19	0.20		0.016	0.017		0.19	0.41	0.06	0.66	0.67	0.67	29	17		NA	NA		<1	1			
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	S	1	3							0.20	0.41	0.06	0.67							NA							
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	M	6.5	1	3	0.19			0.017			0.19	0.41	0.06	0.66			28			NA			<1				
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	M	6.5	2	3	0.18	0.19		0.016	0.017		0.18	0.41	0.06	0.65	0.66	0.66	30	29		NA	NA		<1	1	1		
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	M	6.5	3							0.19	0.41	0.06	0.66							NA							
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	B	12	1	4	0.21			0.020			0.21	0.41	0.07	0.69			19			NA			<1				
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	B	12	2	4	0.20	0.21		0.019	0.019		0.20	0.41	0.07	0.68	0.68	0.68	30	24		NA	NA		<1	1			
C2A	15/8/2019	Mid-Flood	Fine	Moderate	6:15	13	B	12	3							0.22	0.40	0.06	0.68							NA							
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	S	1	1	4	NA			NA			0.16	0.48	0.08	0.72			NA			NA			NA				
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	S	1	2	5	NA	NA		NA	NA		0.16	0.51	0.08	0.75	0.74	0.74	NA	NA		NA	NA		NA	NA			
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	S	1	3							0.15	0.51	0.08	0.74							NA							
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	M	6	1	4	NA			NA			0.15	0.52	0.08	0.75			NA			NA			NA	NA			
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	M	6	2	4	NA	NA		NA	NA		0.15	0.51	0.08	0.74	0.74	0.74	NA	NA		NA	NA		NA	NA	NA		
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	M	6	3							0.15	0.51	0.08	0.74							NA							
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	B	11	1	4	NA			NA			0.16	0.51	0.08	0.75			NA			NA			NA	NA			
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	B	11	2	5	NA	NA		NA	NA		0.15	0.51	0.08	0.74	0.75	0.75	NA	NA		NA	NA		NA	NA			
G2	15/8/2019	Mid-Flood	Fine	Moderate	7:41	12	B	11	3							0.16	0.51	0.08	0.75							NA							
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	S	1	1	5	0.19	0.18		0.018	0.017		NA	NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA			
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	S	1	2	5	0.17			0.016			NA	NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA			
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	S	1	3							NA	NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	M	4.5	1	5	0.19			0.019			NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	M	4.5	2	4	0.17	0.18		0.017	0.018		NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	M	4.5	3							NA	NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	B	8	1	5	0.19			0.019			NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	B	8	2	4	0.17	0.18		0.017	0.018		NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR2	15/8/2019	Mid-Flood	Fine	Moderate	7:58	9	B	8	3							NA	NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	S	1	1	5	0.16			0.016			NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	S	1	2	4	0.16	0.16		0.016	0.016		NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	S	1	3							NA	NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	M	4	1	5	0.15			0.015			NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	M	4	2	5	0.15	0.15		0.015	0.015		NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	M	4	3							NA	NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	B	7	1	5	0.16			0.017			NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	B	7	2	6	0.15	0.16		0.016	0.016		NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				
SR3	15/8/2019	Mid-Flood	Fine	Moderate	7:22	8	B	7	3							NA	NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA				

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	15/8/2019	Mid-Flood	Fine	Moderate	7:13	4	S	1	1	4	0.14	0.14	0.14	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	680	680	680	NA	NA	NA	<1	<1	1	1	
SR4	15/8/2019	Mid-Flood	Fine	Moderate	7:13	4	S	1	2	4	0.14	0.14	0.14	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	680	680	680	NA	NA	NA	<1	<1	1	1	
SR4	15/8/2019	Mid-Flood	Fine	Moderate	7:13	4	S	1	3	4	0.14	0.14	0.14	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	680	680	680	NA	NA	NA	<1	<1	1	1	
SR4	15/8/2019	Mid-Flood	Fine	Moderate	7:13	4	M	1	1	4	0.14	0.14	0.14	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	680	680	680	NA	NA	NA	<1	<1	1	1	
SR4	15/8/2019	Mid-Flood	Fine	Moderate	7:13	4	M	2	2	4	0.14	0.14	0.14	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	680	680	680	NA	NA	NA	<1	<1	1	1	
SR4	15/8/2019	Mid-Flood	Fine	Moderate	7:13	4	M	3	3	4	0.14	0.14	0.14	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	680	680	680	NA	NA	NA	<1	<1	1	1	
SR4	15/8/2019	Mid-Flood	Fine	Moderate	7:13	4	B	3	1	4	0.14	0.14	0.14	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	620	424	424	NA	NA	NA	<1	<1	1	1	
SR4	15/8/2019	Mid-Flood	Fine	Moderate	7:13	4	B	3	2	3	0.14	0.14	0.14	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	290	424	424	NA	NA	NA	<1	<1	1	1	
SR4	15/8/2019	Mid-Flood	Fine	Moderate	7:13	4	B	3	3	4	0.14	0.14	0.14	0.013	0.013	0.013	NA	NA	NA	NA	NA	NA	290	424	424	NA	NA	NA	<1	<1	1	1	
SR5	15/8/2019	Mid-Flood	Fine	Moderate	8:19	11	S	1	1	4	NA	NA	NA	NA	NA	NA	0.16	0.54	0.08	0.78	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	15/8/2019	Mid-Flood	Fine	Moderate	8:19	11	S	1	2	5	NA	NA	NA	NA	NA	NA	0.16	0.54	0.09	0.79	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	15/8/2019	Mid-Flood	Fine	Moderate	8:19	11	S	1	3	4	NA	NA	NA	NA	NA	NA	0.16	0.54	0.08	0.78	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	15/8/2019	Mid-Flood	Fine	Moderate	8:19	11	M	5.5	1	4	NA	NA	NA	NA	NA	NA	0.13	0.54	0.08	0.75	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	15/8/2019	Mid-Flood	Fine	Moderate	8:19	11	M	5.5	2	4	NA	NA	NA	NA	NA	NA	0.15	0.54	0.09	0.78	0.77	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	15/8/2019	Mid-Flood	Fine	Moderate	8:19	11	M	5.5	3	4	NA	NA	NA	NA	NA	NA	0.15	0.54	0.09	0.78	0.77	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	15/8/2019	Mid-Flood	Fine	Moderate	8:19	11	B	10	1	4	NA	NA	NA	NA	NA	NA	0.15	0.54	0.09	0.78	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	15/8/2019	Mid-Flood	Fine	Moderate	8:19	11	B	10	2	4	NA	NA	NA	NA	NA	NA	0.16	0.54	0.08	0.78	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	15/8/2019	Mid-Flood	Fine	Moderate	8:19	11	B	10	3	4	NA	NA	NA	NA	NA	NA	0.16	0.54	0.08	0.78	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	15/8/2019	Mid-Flood	Fine	Moderate	6:57	15	S	1	1	4	0.17	0.18	0.18	0.015	0.015	0.015	NA	NA	NA	NA	NA	NA	610	620	620	NA	NA	NA	<1	<1	1	1	
SR12	15/8/2019	Mid-Flood	Fine	Moderate	6:57	15	S	1	2	4	0.17	0.18	0.18	0.015	0.015	0.015	NA	NA	NA	NA	NA	NA	630	620	620	NA	NA	NA	<1	<1	1	1	
SR12	15/8/2019	Mid-Flood	Fine	Moderate	6:57	15	S	1	3	4	0.17	0.18	0.18	0.015	0.015	0.015	NA	NA	NA	NA	NA	NA	630	572	574	NA	NA	NA	<1	<1	1	1	
SR12	15/8/2019	Mid-Flood	Fine	Moderate	6:57	15	M	7.5	1	5	0.17	0.17	0.17	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA	520	572	574	NA	NA	NA	<1	<1	1	1	
SR12	15/8/2019	Mid-Flood	Fine	Moderate	6:57	15	M	7.5	3	4	0.17	0.17	0.17	0.016	0.016	0.016	NA	NA	NA	NA	NA	NA	520	572	574	NA	NA	NA	<1	<1	1	1	
SR12	15/8/2019	Mid-Flood	Fine	Moderate	6:57	15	B	14	1	4	0.20	0.18	0.19	0.019	0.017	0.018	NA	NA	NA	NA	NA	NA	460	534	534	NA	NA	NA	<1	<1	1	1	
SR12	15/8/2019	Mid-Flood	Fine	Moderate	6:57	15	B	14	2	4	0.20	0.18	0.19	0.019	0.017	0.018	NA	NA	NA	NA	NA	NA	620	534	534	NA	NA	NA	<1	<1	1	1	
SR12	15/8/2019	Mid-Flood	Fine	Moderate	6:57	15	B	14	3	4	0.20	0.18	0.19	0.019	0.017	0.018	NA	NA	NA	NA	NA	NA	620	534	534	NA	NA	NA	<1	<1	1	1	
SR13	15/8/2019	Mid-Flood	Fine	Moderate	6:33	14	S	1	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2019	Mid-Flood	Fine	Moderate	6:33	14	S	1	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2019	Mid-Flood	Fine	Moderate	6:33	14	S	1	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2019	Mid-Flood	Fine	Moderate	6:33	14	M	7	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2019	Mid-Flood	Fine	Moderate	6:33	14	M	7	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2019	Mid-Flood	Fine	Moderate	6:33	14	M	7	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2019	Mid-Flood	Fine	Moderate	6:33	14	B	13	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2019	Mid-Flood	Fine	Moderate	6:33	14	B	13	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2019	Mid-Flood	Fine	Moderate	6:33	14	B	13	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																									
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)		
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	S	1	1	8.25	8.26	24.27	24.28	29.16	29.16	88.0	88.2	5.98	6.00	5.99	5.78	1.1	1.2	1.2	0.20	0.20	0.20	0.021	0.021	0.021	0.20	0.53	0.08	0.81	
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	S	1	2	8.26	8.26	24.29	24.28	29.15	29.16	88.3	88.2	6.00	5.99	5.78	1.1	1.2	1.2	0.20	0.20	0.20	0.021	0.021	0.021	0.20	0.53	0.08	0.81	0.81	
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	S	1	3											5.78	2.6	2.5	2.6	0.19	0.19	0.20	0.021	0.021	0.021	0.19	0.53	0.08	0.80		
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	M	14	1	8.29	8.30	24.68	24.70	29.08	29.08	82.1	81.8	5.58	5.56	5.57	5.78	2.6	2.5	2.6	0.19	0.19	0.20	0.021	0.021	0.021	0.19	0.53	0.08	0.80	0.80
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	M	14	2	8.30	8.30	24.71	24.70	29.08	29.08	81.8	82.0	5.56	5.57	5.57	5.78	2.6	2.5	2.6	0.19	0.19	0.20	0.021	0.021	0.021	0.19	0.53	0.08	0.80	
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	M	14	3											5.78	3.4	3.6	3.5	0.19	0.20	0.20	0.022	0.023	0.023	0.19	0.54	0.09	0.82		
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	B	27	1	8.31	8.32	25.16	25.18	28.97	28.98	76.4	76.3	5.19	5.16	5.18	5.78	3.4	3.6	3.5	0.19	0.20	0.20	0.022	0.023	0.023	0.20	0.54	0.09	0.83	0.83
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	B	27	2	8.33	8.32	25.19	25.18	28.99	28.98	76.1	76.3	5.16	5.18	5.18	5.78	3.6	3.5	3.5	0.20	0.20	0.20	0.023	0.023	0.023	0.20	0.54	0.09	0.83	
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	B	27	3											5.78	3.6	3.5	3.5	0.20	0.20	0.20	0.023	0.023	0.023	0.20	0.54	0.09	0.83		
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	S	1	1	8.22	8.22	25.16	25.15	29.27	29.27	84.2	84.1	5.74	5.72	5.73	5.56	1.1	1.3	1.2	0.21	0.21	0.21	0.020	0.020	0.020	0.21	0.41	0.07	0.69	
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	S	1	2	8.21	8.22	25.13	25.15	29.27	29.27	84.0	84.1	5.72	5.73	5.73	5.56	1.3	1.3	1.2	0.21	0.21	0.21	0.020	0.020	0.020	0.21	0.41	0.07	0.68	0.68
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	S	1	3											5.56	1.6	1.8	1.7	0.20	0.20	0.21	0.019	0.019	0.020	0.20	0.40	0.07	0.67		
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	M	6.5	1	8.23	8.23	25.76	25.75	29.11	29.11	79.2	78.8	5.40	5.39	5.40	5.56	1.6	1.8	1.7	0.20	0.20	0.21	0.019	0.019	0.020	0.20	0.40	0.07	0.67	0.67
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	M	6.5	2	8.22	8.23	25.73	25.75	29.10	29.11	78.8	79.0	5.39	5.40	5.40	5.56	1.8	1.8	1.7	0.20	0.20	0.21	0.019	0.019	0.020	0.20	0.40	0.07	0.67	
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	M	6.5	3											5.56	2.3	2.2	2.3	0.21	0.21	0.21	0.021	0.021	0.021	0.21	0.41	0.08	0.70		
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	B	12	1	8.25	8.25	26.12	26.14	29.00	29.00	72.3	72.2	4.93	4.91	4.92	5.56	2.3	2.2	2.3	0.21	0.21	0.21	0.021	0.021	0.021	0.21	0.41	0.07	0.68	0.69
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	B	12	2	8.24	8.25	26.16	26.14	28.99	29.00	72.1	72.2	4.91	4.92	4.92	5.56	2.2	2.2	2.3	0.21	0.21	0.21	0.021	0.021	0.021	0.21	0.41	0.07	0.68	
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	B	12	3											5.56	2.3	2.2	2.3	0.21	0.21	0.21	0.021	0.021	0.021	0.21	0.41	0.06	0.68		
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	S	1	1	8.23	8.24	24.21	24.22	29.04	29.04	83.3	83.4	5.62	5.64	5.63	5.51	1.3	1.2	1.3	NA	NA	NA	NA	NA	NA	0.15	0.50	0.08	0.73	
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	S	1	2	8.24	8.24	24.23	24.22	29.03	29.04	83.5	83.4	5.64	5.63	5.63	5.51	1.2	1.2	1.3	NA	NA	NA	NA	NA	NA	0.15	0.50	0.08	0.73	0.73
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	S	1	3											5.51	2.1	2.2	2.2	NA	NA	NA	NA	NA	NA	0.16	0.51	0.08	0.75		
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	M	6	1	8.25	8.26	24.62	24.61	28.82	28.83	80.0	79.8	5.40	5.37	5.39	5.51	2.1	2.2	2.2	NA	NA	NA	NA	NA	NA	0.16	0.51	0.08	0.75	0.75
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	M	6	2	8.26	8.26	24.59	24.61	28.83	28.83	79.6	79.8	5.37	5.39	5.39	5.51	2.2	2.2	2.2	NA	NA	NA	NA	NA	NA	0.16	0.51	0.08	0.75	
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	M	6	3											5.51	2.2	2.2	2.2	NA	NA	NA	NA	NA	NA	0.16	0.51	0.08	0.75		
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	B	11	1	8.26	8.27	24.89	24.91	28.73	28.73	70.8	71.0	4.78	4.80	4.79	5.51	2.8	3.0	2.9	NA	NA	NA	NA	NA	0.17	0.51	0.09	0.77		
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	B	11	2	8.27	8.27	24.93	24.91	28.72	28.73	71.1	71.0	4.80	4.79	4.79	5.51	3.0	2.9	2.9	NA	NA	NA	NA	NA	0.17	0.51	0.09	0.77	0.77	
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	B	11	3											5.51	3.0	2.9	2.9	NA	NA	NA	NA	NA	NA	0.17	0.51	0.09	0.77		
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	S	1	1	8.26	8.26	25.21	25.20	29.00	29.01	87.6	87.8	5.93	5.91	5.92	5.70	1.5	1.6	1.6	0.18	0.18	0.18	0.018	0.018	0.018	NA	NA	NA	NA	NA
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	S	1	2	8.25	8.26	25.19	25.20	29.01	29.01	88.0	87.8	5.91	5.92	5.92	5.70	1.6	1.6	1.6	0.18	0.18	0.18	0.018	0.018	0.018	NA	NA	NA	NA	NA
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	S	1	3											5.70	1.6	1.6	1.6	0.18	0.18	0.18	0.018	0.018	0.018	NA	NA	NA	NA	NA	
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	M	4.5	1	8.24	8.25	25.43	25.45	28.80	28.79	81.0	80.9	5.48	5.46	5.47	5.70	2.7	2.5	2.6	0.18	0.18	0.18	0.018	0.018	0.018	NA	NA	NA	NA	NA
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	M	4.5	2	8.25	8.25	25.46	25.45	28.78	28.79	80.7	80.9	5.46	5.47	5.47	5.70	2.5	2.6	2.6	0.18	0.18	0.18	0.018	0.018	0.018	NA	NA	NA	NA	NA
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	M	4.5	3											5.70	2.7	2.5	2.6	0.18	0.18	0.18	0.018	0.018	0.018	NA	NA	NA	NA	NA	
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	B	8	1	8.28	8.28	25.80	25.79	28.56	28.57	73.1	73.0	4.95	4.92	4.94	5.70	3.1	3.0	3.1	0.19	0.19	0.20	0.020	0.020	0.020	NA	NA	NA	NA	NA
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	B	8	2	8.27	8.28	25.77	25.79	28.57	28.57	72.8	73.0	4.92	4.94	4.94	5.70	3.0	3.0	3.1	0.19	0.19	0.20	0.020	0.020	0.020	NA	NA	NA	NA	NA
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	B	8	3											5.70	3.0	3.0	3.1	0.19	0.19	0.20	0.020	0.020	0.020	NA	NA	NA	NA	NA	
SR3	15/8/2019	Mid-Ebb	Fine	Moderate	9:57	8	S	1	1	8.25	8.25	25.12	25.11	28.87	28.87	84.6	84.8</																		

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.				Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	S	1	1	5	0.18			0.019			0.18	0.50	0.08	0.76	0.79	79			NA	NA	NA	<1					
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	S	1	2	5	0.18	0.18		0.019	0.019		0.18	0.53	0.08	0.79	0.79	170	116		NA	NA	NA	<1	1				
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	S	1	3							0.20	0.54	0.08	0.82						NA	NA	NA	<1					
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	M	14	1	4	0.19			0.021			0.19	0.53	0.08	0.80	0.80	150	160		NA	NA	NA	<1	1	1			
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	M	14	2	4	0.19	0.19		0.021	0.021		0.19	0.53	0.08	0.80	0.80	170			NA	NA	NA	<1					
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	M	14	3							0.19	0.54	0.08	0.81						NA	NA	NA	<1					
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	B	27	1	4	0.18			0.021			0.18	0.54	0.08	0.80	0.80	180			NA	NA	NA	<1					
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	B	27	2	4	0.18	0.18		0.021	0.021		0.18	0.53	0.08	0.79	0.80	61	105		NA	NA	NA	<1	1				
C1A	15/8/2019	Mid-Ebb	Fine	Moderate	8:40	28	B	27	3							0.20	0.53	0.08	0.81						NA	NA	NA	<1					
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	S	1	1	4	0.21			0.020			0.21	0.41	0.07	0.69	0.67	20	25		NA	NA	NA	<1	1	1			
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	S	1	2	4	0.19	0.20		0.018	0.019		0.19	0.40	0.06	0.65	0.67	32	25		NA	NA	NA	<1					
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	S	1	3							0.20	0.41	0.06	0.67						NA	NA	NA	<1					
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	M	6.5	1	5	0.20			0.019			0.20	0.40	0.06	0.66	0.67	16			NA	NA	NA	<1					
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	M	6.5	2	5	0.20	0.20	0.20	0.019	0.019	0.019	0.20	0.40	0.06	0.66	0.67	35	24	25	NA	NA	NA	<1	1	1			
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	M	6.5	3							0.20	0.41	0.07	0.68						NA	NA	NA	<1					
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	B	12	1	4	0.20			0.020			0.20	0.41	0.06	0.67	0.67	30			NA	NA	NA	<1					
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	B	12	2	5	0.20	0.20		0.020	0.020		0.20	0.41	0.07	0.68	0.67	21	25		NA	NA	NA	<1	1				
C2A	15/8/2019	Mid-Ebb	Fine	Moderate	11:16	13	B	12	3							0.19	0.41	0.06	0.66						NA	NA	NA	<1					
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	S	1	1	4	NA			NA			0.15	0.47	0.08	0.70	0.72	NA	NA		NA	NA	NA	NA	NA	NA			
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	S	1	2	4	NA	NA		NA	NA		0.15	0.50	0.08	0.73	0.72	NA	NA		NA	NA	NA	NA	NA	NA			
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	S	1	3							0.15	0.50	0.08	0.73						NA	NA	NA	NA	NA	NA			
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	M	6	1	5	NA			NA			0.16	0.53	0.08	0.77	0.76	NA	NA		NA	NA	NA	NA	NA	NA			
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	M	6	2	5	NA	NA	NA	NA	NA		0.17	0.51	0.08	0.76	0.74	NA	NA		NA	NA	NA	NA	NA	NA			
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	M	6	3							0.16	0.51	0.08	0.75						NA	NA	NA	NA	NA	NA			
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	B	11	1	5	NA			NA			0.16	0.51	0.08	0.75	0.75	NA	NA		NA	NA	NA	NA	NA	NA			
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	B	11	2	5	NA	NA		NA	NA		0.16	0.50	0.08	0.74	0.75	NA	NA		NA	NA	NA	NA	NA	NA			
G2	15/8/2019	Mid-Ebb	Fine	Moderate	9:38	12	B	11	3							0.16	0.51	0.08	0.75						NA	NA	NA	NA	NA	NA			
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	S	1	1	5	0.17			0.017			NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA			
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	S	1	2	5	0.19	0.18		0.019	0.018		NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA			
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	S	1	3							NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA	NA			
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	M	4.5	1	3	0.18			0.018			NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA			
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	M	4.5	2	4	0.17	0.18	0.18	0.017	0.017	0.018	NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA			
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	M	4.5	3							NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	NA			
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	B	8	1	4	0.17			0.017			NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA			
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	B	8	2	5	0.18	0.18		0.019	0.018		NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA			
SR2	15/8/2019	Mid-Ebb	Fine	Moderate	9:19	9	B	8	3							NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	NA			
SR3	15/8/2019	Mid-Ebb	Fine	Moderate	9:57	8	S	1	1	4	0.15			0.015			NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA			
SR3	15/8/2019	Mid-Ebb	Fine	Moderate	9:57	8	S	1	2	4	0.15	0.15		0.015	0.015		NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA			
SR3	15/8/2019	Mid-Ebb	Fine	Moderate	9:57	8	S	1	3							NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	NA			
SR3	15/8/2019	Mid-Ebb	Fine	Moderate	9:57	8	M	4	1	6	0.16			0.016			NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA			
SR3	15/8/2019	Mid-Ebb	Fine	Moderate	9:57	8	M	4	2	7	0.15	0.16	0.15	0.015	0.016	0.016	NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	NA		
SR3	15/8/2019	Mid-Ebb	Fine	Moderate	9:57	8	M	4	3							NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	NA			
SR3	15/8/2019	Mid-Ebb	Fine	Moderate	9:57	8	B	7	1	5	0.16			0.017			NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA			
SR3	15/8/2019	Mid-Ebb	Fine	Moderate	9:57	8	B	7	2	4	0.14	0.15		0.015	0.016		NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA			
SR3	15/8/2019	Mid-Ebb	Fine	Moderate	9:57	8	B	7	3							NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	NA			

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																								
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)			
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.				Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	
SR4	15/8/2019	Mid-Ebb	Fine	Moderate	10:18	4	S	1	1	4	0.13	0.14	0.14	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	660	760	708	NA	NA	NA	NA	NA	NA	<1	1	1
SR4	15/8/2019	Mid-Ebb	Fine	Moderate	10:18	4	S	1	2	4	0.13	0.14	0.14	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	660	760	708	NA	NA	NA	NA	NA	NA	<1	1	1
SR4	15/8/2019	Mid-Ebb	Fine	Moderate	10:18	4	S	1	3	4	0.13	0.14	0.14	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	660	760	708	NA	NA	NA	NA	NA	NA	<1	1	1
SR4	15/8/2019	Mid-Ebb	Fine	Moderate	10:18	4	M	1	1	4	0.13	0.14	0.14	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	660	760	708	NA	NA	NA	NA	NA	NA	<1	1	1
SR4	15/8/2019	Mid-Ebb	Fine	Moderate	10:18	4	M	2	2	4	0.13	0.14	0.14	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	660	760	708	NA	NA	NA	NA	NA	NA	<1	1	1
SR4	15/8/2019	Mid-Ebb	Fine	Moderate	10:18	4	M	3	3	4	0.13	0.14	0.14	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	660	760	708	NA	NA	NA	NA	NA	NA	<1	1	1
SR4	15/8/2019	Mid-Ebb	Fine	Moderate	10:18	4	B	3	1	4	0.13	0.14	0.14	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	660	760	708	NA	NA	NA	NA	NA	NA	<1	1	1
SR4	15/8/2019	Mid-Ebb	Fine	Moderate	10:18	4	B	3	2	4	0.13	0.14	0.14	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	660	760	708	NA	NA	NA	NA	NA	NA	<1	1	1
SR4	15/8/2019	Mid-Ebb	Fine	Moderate	10:18	4	B	3	3	4	0.13	0.14	0.14	0.013	0.014	0.014	NA	NA	NA	NA	NA	NA	660	760	708	NA	NA	NA	NA	NA	NA	<1	1	1
SR5	15/8/2019	Mid-Ebb	Fine	Moderate	8:58	11	S	1	1	5	NA	NA	NA	NA	NA	NA	0.15	0.53	0.09	0.77	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	15/8/2019	Mid-Ebb	Fine	Moderate	8:58	11	S	1	2	6	NA	NA	NA	NA	NA	NA	0.15	0.53	0.08	0.78	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	15/8/2019	Mid-Ebb	Fine	Moderate	8:58	11	S	1	3	6	NA	NA	NA	NA	NA	NA	0.15	0.53	0.08	0.76	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	15/8/2019	Mid-Ebb	Fine	Moderate	8:58	11	M	5.5	1	5	NA	NA	NA	NA	NA	NA	0.15	0.54	0.08	0.77	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	15/8/2019	Mid-Ebb	Fine	Moderate	8:58	11	M	5.5	2	4	NA	NA	NA	NA	NA	NA	0.15	0.55	0.06	0.76	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	15/8/2019	Mid-Ebb	Fine	Moderate	8:58	11	M	5.5	3	4	NA	NA	NA	NA	NA	NA	0.16	0.53	0.08	0.77	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	15/8/2019	Mid-Ebb	Fine	Moderate	8:58	11	B	10	1	5	NA	NA	NA	NA	NA	NA	0.17	0.53	0.09	0.79	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	15/8/2019	Mid-Ebb	Fine	Moderate	8:58	11	B	10	2	5	NA	NA	NA	NA	NA	NA	0.15	0.52	0.09	0.76	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	15/8/2019	Mid-Ebb	Fine	Moderate	8:58	11	B	10	3	4	NA	NA	NA	NA	NA	NA	0.15	0.53	0.09	0.77	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	15/8/2019	Mid-Ebb	Fine	Moderate	10:30	15	S	1	1	4	0.18	0.17	0.18	0.017	0.016	0.016	NA	NA	NA	NA	NA	NA	28	30	29	NA	NA	NA	NA	NA	NA	<1	1	1
SR12	15/8/2019	Mid-Ebb	Fine	Moderate	10:30	15	S	1	2	4	0.17	0.18	0.18	0.016	0.017	0.017	NA	NA	NA	NA	NA	NA	28	30	29	NA	NA	NA	NA	NA	NA	<1	1	1
SR12	15/8/2019	Mid-Ebb	Fine	Moderate	10:30	15	S	1	3	4	0.17	0.18	0.18	0.016	0.017	0.017	NA	NA	NA	NA	NA	NA	28	30	29	NA	NA	NA	NA	NA	NA	<1	1	1
SR12	15/8/2019	Mid-Ebb	Fine	Moderate	10:30	15	M	7.5	1	4	0.17	0.18	0.18	0.016	0.017	0.017	NA	NA	NA	NA	NA	NA	560	470	513	197	NA	NA	NA	NA	NA	<1	1	1
SR12	15/8/2019	Mid-Ebb	Fine	Moderate	10:30	15	M	7.5	2	4	0.18	0.17	0.18	0.018	0.017	0.017	NA	NA	NA	NA	NA	NA	560	470	513	197	NA	NA	NA	NA	NA	<1	1	1
SR12	15/8/2019	Mid-Ebb	Fine	Moderate	10:30	15	M	7.5	3	4	0.18	0.17	0.18	0.018	0.017	0.017	NA	NA	NA	NA	NA	NA	560	470	513	197	NA	NA	NA	NA	NA	<1	1	1
SR12	15/8/2019	Mid-Ebb	Fine	Moderate	10:30	15	B	14	1	4	0.18	0.17	0.18	0.018	0.017	0.017	NA	NA	NA	NA	NA	NA	610	430	512	NA	NA	NA	NA	NA	NA	<1	1	1
SR12	15/8/2019	Mid-Ebb	Fine	Moderate	10:30	15	B	14	2	4	0.17	0.18	0.18	0.017	0.017	0.017	NA	NA	NA	NA	NA	NA	610	430	512	NA	NA	NA	NA	NA	NA	<1	1	1
SR12	15/8/2019	Mid-Ebb	Fine	Moderate	10:30	15	B	14	3	4	0.17	0.18	0.18	0.017	0.017	0.017	NA	NA	NA	NA	NA	NA	610	430	512	NA	NA	NA	NA	NA	NA	<1	1	1
SR13	15/8/2019	Mid-Ebb	Fine	Moderate	10:51	14	S	1	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2019	Mid-Ebb	Fine	Moderate	10:51	14	S	1	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	15/8/2019	Mid-Ebb	Fine	Moderate	10:51	14	S	1	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	15/8/2019	Mid-Ebb	Fine	Moderate	10:51	14	M	7	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	15/8/2019	Mid-Ebb	Fine	Moderate	10:51	14	M	7	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	15/8/2019	Mid-Ebb	Fine	Moderate	10:51	14	M	7	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	15/8/2019	Mid-Ebb	Fine	Moderate	10:51	14	B	13	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	15/8/2019	Mid-Ebb	Fine	Moderate	10:51	14	B	13	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	15/8/2019	Mid-Ebb	Fine	Moderate	10:51	14	B	13	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																										
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)		Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)				
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	S	1	1	8.19	8.20	23.51	23.54	23.53	29.27	29.26	88.4	88.2	6.08	6.05	6.07	5.82	1.4	1.6	1.5	0.45	0.46	0.46	0.042	0.043	0.042	0.45	0.27	0.06	0.78	0.78
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	S	1	2	8.20	8.20	23.51	23.54	23.53	29.27	29.26	88.4	88.2	6.08	6.05	6.07	5.82	1.4	1.6	1.5	0.45	0.46	0.46	0.042	0.043	0.042	0.45	0.27	0.06	0.78	0.78
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	S	1	3	8.19	8.19	23.51	23.54	23.53	29.27	29.26	88.4	88.2	6.08	6.05	6.07	5.82	1.4	1.6	1.5	0.45	0.46	0.46	0.042	0.043	0.042	0.45	0.27	0.06	0.78	0.78
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	M	14	1	8.19	8.19	23.98	24.01	29.11	29.11	81.0	81.2	5.57	5.59	5.58	5.82	2.5	2.7	2.6	0.44	0.44	0.44	0.040	0.040	0.042	0.44	0.29	0.06	0.79	0.79	
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	M	14	2	8.19	8.19	24.03	24.01	29.10	29.11	81.3	81.2	5.59	5.59	5.58	5.82	2.7	2.7	2.6	0.44	0.44	0.44	0.040	0.040	0.042	0.44	0.29	0.06	0.79	0.79	
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	M	14	3	8.19	8.19	24.03	24.01	29.10	29.11	81.3	81.2	5.59	5.59	5.58	5.82	2.7	2.7	2.6	0.44	0.44	0.44	0.040	0.040	0.042	0.44	0.29	0.06	0.79	0.79	
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	B	27	1	8.24	8.24	24.76	24.74	28.89	28.89	74.2	74.1	5.10	5.07	5.09	5.82	3.8	3.7	3.8	0.45	0.45	0.45	0.044	0.044	0.044	0.45	0.29	0.06	0.80	0.81	
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	B	27	2	8.23	8.24	24.71	24.74	28.88	28.89	73.9	74.1	5.07	5.07	5.09	5.82	3.7	3.7	3.8	0.45	0.45	0.45	0.044	0.044	0.044	0.45	0.30	0.06	0.81	0.81	
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	B	27	3	8.24	8.24	24.71	24.74	28.88	28.89	73.9	74.1	5.07	5.07	5.09	5.82	3.7	3.7	3.8	0.45	0.45	0.45	0.044	0.044	0.044	0.46	0.31	0.06	0.83	0.81	
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	S	1	1	8.16	8.17	26.72	26.70	28.86	28.86	84.7	84.8	5.72	5.74	5.73	5.56	1.0	1.1	1.1	0.42	0.42	0.42	0.035	0.035	0.038	0.42	0.30	0.06	0.78	0.78	
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	S	1	2	8.17	8.17	26.68	26.70	28.86	28.86	84.9	84.8	5.72	5.74	5.73	5.56	1.1	1.1	1.1	0.42	0.42	0.42	0.035	0.035	0.038	0.42	0.30	0.06	0.78	0.78	
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	S	1	3	8.17	8.17	26.68	26.70	28.86	28.86	84.9	84.8	5.72	5.74	5.73	5.56	1.1	1.1	1.1	0.42	0.42	0.42	0.035	0.035	0.038	0.43	0.30	0.06	0.79	0.78	
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	M	6.5	1	8.19	8.19	27.23	27.25	28.70	28.71	80.0	79.9	5.40	5.38	5.39	5.56	1.4	1.6	1.5	0.45	0.46	0.46	0.038	0.039	0.039	0.45	0.30	0.06	0.81	0.81	
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	M	6.5	2	8.18	8.19	27.26	27.25	28.71	28.71	79.7	79.9	5.38	5.38	5.39	5.56	1.6	1.6	1.5	0.46	0.46	0.46	0.039	0.039	0.039	0.46	0.30	0.06	0.82	0.81	
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	M	6.5	3	8.18	8.19	27.26	27.25	28.71	28.71	79.7	79.9	5.38	5.38	5.39	5.56	1.6	1.6	1.5	0.46	0.46	0.46	0.039	0.039	0.039	0.45	0.30	0.06	0.81	0.81	
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	B	12	1	8.20	8.20	27.66	27.65	28.62	28.62	82.3	82.2	5.56	5.53	5.55	5.56	2.0	2.3	2.2	0.45	0.46	0.46	0.039	0.040	0.039	0.45	0.30	0.06	0.81	0.81	
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	B	12	2	8.19	8.20	27.63	27.65	28.61	28.62	82.0	82.2	5.53	5.53	5.55	5.56	2.3	2.3	2.2	0.46	0.46	0.46	0.040	0.040	0.039	0.46	0.30	0.06	0.82	0.81	
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	B	12	3	8.19	8.20	27.63	27.65	28.61	28.62	82.0	82.2	5.53	5.53	5.55	5.56	2.3	2.3	2.2	0.46	0.46	0.46	0.040	0.040	0.039	0.45	0.30	0.06	0.81	0.81	
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	S	1	1	8.20	8.20	25.63	25.65	29.07	29.07	84.3	84.5	5.85	5.87	5.86	5.70	1.3	1.5	1.4	NA	NA	NA	NA	NA	NA	0.44	0.28	0.06	0.78	0.78	
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	S	1	2	8.19	8.20	25.67	25.65	29.06	29.07	84.6	84.5	5.87	5.87	5.86	5.70	1.5	1.5	1.4	NA	NA	NA	NA	NA	NA	0.44	0.28	0.06	0.78	0.78	
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	S	1	3	8.19	8.20	25.67	25.65	29.06	29.07	84.6	84.5	5.87	5.87	5.86	5.70	1.5	1.5	1.4	NA	NA	NA	NA	NA	NA	0.44	0.28	0.06	0.78	0.78	
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	M	6	1	8.21	8.21	25.98	26.01	28.89	28.90	80.2	80.0	5.56	5.53	5.55	5.70	1.9	2.1	2.0	NA	NA	NA	NA	NA	NA	0.45	0.28	0.06	0.79	0.80	
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	M	6	2	8.21	8.21	26.03	26.01	28.90	28.90	79.8	80.0	5.53	5.53	5.55	5.70	2.1	2.1	2.0	NA	NA	NA	NA	NA	NA	0.46	0.28	0.06	0.80	0.80	
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	M	6	3	8.21	8.21	26.03	26.01	28.90	28.90	79.8	80.0	5.53	5.53	5.55	5.70	2.1	2.1	2.0	NA	NA	NA	NA	NA	NA	0.46	0.28	0.06	0.80	0.80	
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	B	11	1	8.22	8.22	26.46	26.48	28.37	28.38	72.7	72.9	5.04	5.07	5.06	5.70	2.7	2.6	2.7	NA	NA	NA	NA	NA	NA	0.46	0.29	0.06	0.81	0.81	
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	B	11	2	8.21	8.22	26.50	26.48	28.38	28.38	73.1	72.9	5.07	5.07	5.06	5.70	2.6	2.6	2.7	NA	NA	NA	NA	NA	NA	0.46	0.29	0.06	0.81	0.81	
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	B	11	3	8.22	8.22	26.50	26.48	28.38	28.38	73.1	72.9	5.07	5.07	5.06	5.70	2.6	2.6	2.7	NA	NA	NA	NA	NA	NA	0.46	0.29	0.06	0.81	0.81	
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	S	1	1	8.19	8.20	23.69	23.71	28.73	28.73	87.2	87.4	6.01	6.03	6.02	5.85	1.5	1.6	1.6	0.44	0.44	0.44	0.039	0.039	0.039	NA	NA	NA	NA	NA	
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	S	1	2	8.20	8.20	23.72	23.71	28.72	28.73	87.5	87.4	6.03	6.03	6.02	5.85	1.6	1.6	1.6	0.44	0.44	0.44	0.039	0.039	0.039	NA	NA	NA	NA	NA	
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	S	1	3	8.20	8.20	23.72	23.71	28.72	28.73	87.5	87.4	6.03	6.03	6.02	5.85	1.6	1.6	1.6	0.44	0.44	0.44	0.039	0.039	0.039	NA	NA	NA	NA	NA	
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	M	4.5	1	8.21	8.22	24.07	24.26	28.63	28.63	82.6	82.4	5.70	5.67	5.69	5.85	1.9	2.1	2.0	0.42	0.42	0.42	0.039	0.039	0.040	NA	NA	NA	NA	NA	
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	M	4.5	2	8.22	8.22	24.44	24.26	28.63	28.63	82.2	82.4	5.67	5.67	5.69	5.85	2.1	2.1	2.0	0.42	0.42	0.42	0.039	0.039	0.040	NA	NA	NA	NA	NA	
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	M	4.5	3	8.22	8.22	24.44	24.26	28.63	28.63	82.2	82.4	5.67	5.67	5.69	5.85	2.1	2.1	2.0	0.42	0.42	0.42	0.039	0.039	0.040	NA	NA	NA	NA	NA	
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	B	8	1	8.24	8.24	24.68	24.66	28.51	28.52	78.8	78.6	5.43	5.40	5.42	5.82	2.7	2.9	2.8	0.43	0.43	0.43	0.041	0							

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																													
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)			TIN-Nitrate (mg/L-N)			TIN-Nitrite (mg/L-N)			Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.			
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	S	1	1	4	0.45			0.46	0.46		0.042			0.043	0.042		0.45	0.27	0.06	0.78	0.46	0.26	0.05	0.77	3400			NA			2		
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	S	1	2	4	0.42			0.44	0.43	0.44	0.038			0.040	0.039	0.041	0.42	0.28	0.05	0.75	0.44	0.29	0.05	0.78	3900	3641		NA	NA		2	2	
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	M	14	1	4	0.42			0.44	0.43	0.44	0.038			0.040	0.039	0.041	0.42	0.28	0.05	0.75	4500			NA			2						
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	M	14	2	4	0.42			0.44	0.43	0.44	0.038			0.040	0.039	0.041	0.42	0.28	0.05	0.75	5900	5153	4853	NA	NA	NA	2	2	3				
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	M	14	3		0.45			0.44	0.45		0.044			0.043	0.043		0.47	0.29	0.05	0.81	5300			NA			4						
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	B	27	1	4	0.44			0.45	0.45		0.043			0.043	0.043		0.44	0.29	0.05	0.79	7000	6091		NA	NA		4	4					
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	B	27	2	3	0.44			0.45	0.45		0.043			0.043	0.043		0.44	0.29	0.06	0.79				NA			4						
C1A	17/8/2019	Mid-Flood	Fine	Moderate	9:44	28	B	27	3		0.44			0.45	0.45		0.043			0.043	0.043		0.47	0.29	0.06	0.82				NA			4						
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	S	1	1	4	0.42			0.49	0.46		0.035			0.038	0.038		0.42	0.29	0.05	0.76	4800			NA			1						
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	S	1	2	4	0.42			0.49	0.46		0.035			0.038	0.038		0.49	0.30	0.06	0.85	5400	5091		NA	NA		2	1					
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	S	1	3		0.45			0.46	0.46	0.45	0.038			0.039	0.039	0.038	0.44	0.29	0.05	0.78				NA									
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	M	6.5	1	4	0.45			0.46	0.46	0.45	0.038			0.039	0.039	0.038	0.45	0.29	0.05	0.79	4500			NA			2						
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	M	6.5	2	4	0.46			0.46	0.46	0.45	0.039			0.039	0.039	0.038	0.46	0.29	0.05	0.80	5500	4975	5116	NA	NA	NA	1	1	1				
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	M	6.5	3		0.44			0.46	0.45		0.038			0.040	0.039		0.45	0.29	0.05	0.79				NA									
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	B	12	1	4	0.44			0.46	0.45		0.038			0.040	0.039		0.44	0.29	0.05	0.78	6500			NA			1						
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	B	12	2	5	0.46			0.46	0.45		0.040			0.040	0.039		0.46	0.29	0.06	0.81	4300	5287		NA	NA		1	1	1				
C2A	17/8/2019	Mid-Flood	Fine	Moderate	7:24	13	B	12	3		0.44			0.46	0.45		0.040			0.040	0.039		0.44	0.29	0.06	0.79				NA									
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	S	1	1	4	NA			NA	NA		NA	NA		NA	NA		0.45	0.27	0.06	0.78	NA			NA			NA						
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	S	1	2	4	NA			NA	NA		NA	NA		NA	NA		0.46	0.28	0.06	0.80	NA	NA		NA	NA		NA	NA					
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	S	1	3		NA			NA	NA		NA	NA		NA	NA		0.44	0.28	0.05	0.77	NA			NA			NA						
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	M	6	1	5	NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	0.44	0.29	0.05	0.78	NA			NA			NA						
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	M	6	2	4	NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	0.46	0.28	0.06	0.80	NA			NA			NA						
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	M	6	3		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	0.46	0.29	0.05	0.80	NA			NA			NA						
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	B	11	1	6	NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	0.45	0.29	0.06	0.80	NA			NA			NA						
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	B	11	2	6	NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	0.46	0.29	0.05	0.80	NA			NA			NA						
G2	17/8/2019	Mid-Flood	Fine	Moderate	8:50	12	B	11	3		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	0.44	0.29	0.05	0.78	NA			NA			NA						
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	S	1	1	6	0.43			0.44	0.44		0.038			0.039	0.039		NA	NA	NA	NA	NA			NA			NA						
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	S	1	2	6	0.43			0.44	0.44		0.038			0.039	0.039		NA	NA	NA	NA	NA			NA			NA						
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	S	1	3		0.43			0.44	0.44		0.038			0.039	0.039		NA	NA	NA	NA	NA			NA			NA						
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	M	4.5	1	5	0.43			0.43	0.37	0.41	0.040			0.029	0.034	0.038	NA	NA	NA	NA	NA			NA			NA						
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	M	4.5	2	5	0.31			0.43	0.37	0.41	0.040			0.029	0.034	0.038	NA	NA	NA	NA	NA			NA			NA						
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	M	4.5	3		0.43			0.43	0.37	0.41	0.040			0.029	0.034	0.038	NA	NA	NA	NA	NA			NA			NA						
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	B	8	1	5	0.43			0.43	0.43		0.041			0.041	0.041		NA	NA	NA	NA	NA			NA			NA						
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	B	8	2	5	0.43			0.43	0.43		0.041			0.041	0.041		NA	NA	NA	NA	NA			NA			NA						
SR2	17/8/2019	Mid-Flood	Fine	Moderate	9:07	9	B	8	3		0.43			0.43	0.43		0.041			0.041	0.041		NA	NA	NA	NA	NA			NA			NA						
SR3	17/8/2019	Mid-Flood	Fine	Moderate	8:34	8	S	1	1	4	0.44			0.43	0.44		0.038			0.038	0.038		NA	NA	NA	NA	NA			NA			NA						
SR3	17/8/2019	Mid-Flood	Fine	Moderate	8:34	8	S	1	2	4	0.44			0.43	0.44		0.038			0.038	0.038		NA	NA	NA	NA	NA			NA			NA						
SR3	17/8/2019	Mid-Flood	Fine	Moderate	8:34	8	S	1	3		0.44			0.43	0.44		0.038			0.038	0.038		NA	NA	NA	NA	NA			NA			NA						
SR3	17/8/2019	Mid-Flood	Fine	Moderate	8:34	8	M	4	1	5	0.43			0.43	0.43	0.43	0.039			0.038	0.038	0.039	NA	NA	NA	NA	NA			NA			NA						
SR3	17/8/2019	Mid-Flood	Fine	Moderate	8:34	8	M	4	2	4	0.42			0.43	0.43	0.43	0.038			0.038	0.038	0.038	NA	NA	NA	NA	NA			NA			NA						
SR3	17/8/2019	Mid-Flood	Fine	Moderate	8:34	8	M	4	3		0.42			0.43	0.43	0.43	0.038			0.038	0.038	0.038	NA	NA	NA	NA	NA			NA			NA						
SR3	17/8/2019	Mid-Flood	Fine	Moderate	8:34	8	B	7	1	3	0.44			0.42	0.43		0.041			0.039	0.040		NA	NA	NA	NA	NA			NA			NA						
SR3	17/8/2019	Mid-Flood	Fine	Moderate	8:34	8	B	7	2	4	0.42			0.42	0.43		0.039			0.039	0.040		NA	NA	NA	NA	NA			NA			NA						
SR3	17/8/2019	Mid-Flood	Fine	Moderate	8:34	8	B	7	3		0.42			0.42	0.43		0.039			0.039	0.040		NA	NA	NA	NA	NA			NA			NA						

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	17/8/2019	Mid-Flood	Fine	Moderate	8:22	4	S	1	1	5	0.43	0.42	0.039	0.038	0.039	NA	NA	NA	NA	NA	NA	9300	9399	NA	NA	NA	1	1	1				
SR4	17/8/2019	Mid-Flood	Fine	Moderate	8:22	4	S	1	2	5	0.41	0.42	0.038	0.039	0.038	NA	NA	NA	NA	NA	NA	9500	9399	NA	NA	NA	1	1	1				
SR4	17/8/2019	Mid-Flood	Fine	Moderate	8:22	4	S	1	3	5	0.41	0.42	0.038	0.039	0.038	NA	NA	NA	NA	NA	NA	9500	9399	NA	NA	NA	1	1	1				
SR4	17/8/2019	Mid-Flood	Fine	Moderate	8:22	4	M	1	1	5	0.41	0.42	0.038	0.039	0.038	NA	NA	NA	NA	NA	NA	9425	9425	NA	NA	NA	1	1	1				
SR4	17/8/2019	Mid-Flood	Fine	Moderate	8:22	4	M	2	2	5	0.41	0.42	0.038	0.039	0.038	NA	NA	NA	NA	NA	NA	9425	9425	NA	NA	NA	1	1	1				
SR4	17/8/2019	Mid-Flood	Fine	Moderate	8:22	4	M	3	3	5	0.41	0.42	0.038	0.039	0.038	NA	NA	NA	NA	NA	NA	9425	9425	NA	NA	NA	1	1	1				
SR4	17/8/2019	Mid-Flood	Fine	Moderate	8:22	4	B	3	1	5	0.41	0.42	0.038	0.039	0.038	NA	NA	NA	NA	NA	NA	9425	9425	NA	NA	NA	1	1	1				
SR4	17/8/2019	Mid-Flood	Fine	Moderate	8:22	4	B	3	2	5	0.41	0.42	0.038	0.039	0.038	NA	NA	NA	NA	NA	NA	9425	9425	NA	NA	NA	1	1	1				
SR4	17/8/2019	Mid-Flood	Fine	Moderate	8:22	4	B	3	3	5	0.41	0.42	0.038	0.039	0.038	NA	NA	NA	NA	NA	NA	9425	9425	NA	NA	NA	1	1	1				
SR5	17/8/2019	Mid-Flood	Fine	Moderate	9:26	11	S	1	1	3	NA	NA	NA	NA	0.77	0.45	0.29	0.05	0.79	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR5	17/8/2019	Mid-Flood	Fine	Moderate	9:26	11	S	1	2	3	NA	NA	NA	NA	0.77	0.41	0.29	0.05	0.75	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR5	17/8/2019	Mid-Flood	Fine	Moderate	9:26	11	S	1	3	3	NA	NA	NA	NA	0.77	0.44	0.29	0.05	0.78	0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR5	17/8/2019	Mid-Flood	Fine	Moderate	9:26	11	M	5.5	1	5	NA	NA	NA	NA	0.78	0.46	0.29	0.06	0.81	0.81	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR5	17/8/2019	Mid-Flood	Fine	Moderate	9:26	11	M	5.5	2	5	NA	NA	NA	NA	0.78	0.41	0.29	0.05	0.75	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR5	17/8/2019	Mid-Flood	Fine	Moderate	9:26	11	M	5.5	3	5	NA	NA	NA	NA	0.78	0.43	0.29	0.05	0.77	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR5	17/8/2019	Mid-Flood	Fine	Moderate	9:26	11	B	10	1	5	NA	NA	NA	NA	0.79	0.47	0.29	0.05	0.81	0.81	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR5	17/8/2019	Mid-Flood	Fine	Moderate	9:26	11	B	10	2	5	NA	NA	NA	NA	0.79	0.43	0.29	0.05	0.77	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR5	17/8/2019	Mid-Flood	Fine	Moderate	9:26	11	B	10	3	5	NA	NA	NA	NA	0.79	0.45	0.29	0.05	0.79	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR12	17/8/2019	Mid-Flood	Fine	Moderate	8:07	15	S	1	1	4	0.40	0.40	0.033	0.033	0.033	NA	NA	NA	NA	NA	NA	5500	7304	NA	NA	NA	2	2	2				
SR12	17/8/2019	Mid-Flood	Fine	Moderate	8:07	15	S	1	2	5	0.40	0.40	0.033	0.033	0.033	NA	NA	NA	NA	NA	NA	9700	7304	NA	NA	NA	2	2	2				
SR12	17/8/2019	Mid-Flood	Fine	Moderate	8:07	15	S	1	3	5	0.41	0.42	0.035	0.036	0.035	NA	NA	NA	NA	NA	NA	8100	6552	7715	NA	NA	NA	1	1	1			
SR12	17/8/2019	Mid-Flood	Fine	Moderate	8:07	15	M	7.5	1	6	0.42	0.42	0.041	0.036	0.035	NA	NA	NA	NA	NA	NA	5300	6552	7715	NA	NA	NA	1	1	1			
SR12	17/8/2019	Mid-Flood	Fine	Moderate	8:07	15	M	7.5	2	7	0.42	0.42	0.041	0.036	0.035	NA	NA	NA	NA	NA	NA	5300	6552	7715	NA	NA	NA	1	1	1			
SR12	17/8/2019	Mid-Flood	Fine	Moderate	8:07	15	M	7.5	3	5	0.43	0.43	0.038	0.038	0.038	NA	NA	NA	NA	NA	NA	9900	9595	NA	NA	NA	2	3	3				
SR12	17/8/2019	Mid-Flood	Fine	Moderate	8:07	15	B	14	1	5	0.42	0.43	0.037	0.038	0.038	NA	NA	NA	NA	NA	NA	9300	9595	NA	NA	NA	5	3	3				
SR12	17/8/2019	Mid-Flood	Fine	Moderate	8:07	15	B	14	2	4	0.42	0.43	0.037	0.038	0.038	NA	NA	NA	NA	NA	NA	9300	9595	NA	NA	NA	5	3	3				
SR12	17/8/2019	Mid-Flood	Fine	Moderate	8:07	15	B	14	3	5	0.42	0.43	0.037	0.038	0.038	NA	NA	NA	NA	NA	NA	9300	9595	NA	NA	NA	5	3	3				
SR13	17/8/2019	Mid-Flood	Fine	Moderate	7:46	14	S	1	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	17/8/2019	Mid-Flood	Fine	Moderate	7:46	14	S	1	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	17/8/2019	Mid-Flood	Fine	Moderate	7:46	14	S	1	3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	17/8/2019	Mid-Flood	Fine	Moderate	7:46	14	M	7	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	17/8/2019	Mid-Flood	Fine	Moderate	7:46	14	M	7	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	17/8/2019	Mid-Flood	Fine	Moderate	7:46	14	M	7	3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	17/8/2019	Mid-Flood	Fine	Moderate	7:46	14	B	13	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	17/8/2019	Mid-Flood	Fine	Moderate	7:46	14	B	13	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	17/8/2019	Mid-Flood	Fine	Moderate	7:46	14	B	13	3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																										
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)					
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.				Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	17/8/2019	Mid-Ebb	Fine	Moderat	10:00	28	S	1	1	4	4	4	0.46			0.041			0.46	0.27	0.06	0.79				5100			NA			2			3	
C1A	17/8/2019	Mid-Ebb	Fine	Moderat	10:00	28	S	1	2	4			0.46	0.46		0.041	0.041			0.46	0.28	0.05	0.79				4700	4896		NA	NA	NA	2	2		
C1A	17/8/2019	Mid-Ebb	Fine	Moderat	10:00	28	S	1	3				0.44			0.039				0.44	0.29	0.05	0.80				4500			NA			2			
C1A	17/8/2019	Mid-Ebb	Fine	Moderat	10:00	28	M	14	1	4	4	4	0.48	0.46	0.45	0.041	0.040			0.48	0.29	0.05	0.82				5000	4743	4671	NA	NA	NA	<1	2		
C1A	17/8/2019	Mid-Ebb	Fine	Moderat	10:00	28	M	14	2	4			0.43			0.039				0.46	0.29	0.06	0.81				3500			NA			5			
C1A	17/8/2019	Mid-Ebb	Fine	Moderat	10:00	28	B	27	1	4			0.45	0.44		0.040	0.039			0.45	0.29	0.05	0.79				5500	4387		NA	NA	NA	5	5		
C2A	17/8/2019	Mid-Ebb	Fine	Moderat	12:40	13	S	1	1	5	6	5	0.45			0.042			0.45	0.28	0.05	0.78				5700			NA			2		2		
C2A	17/8/2019	Mid-Ebb	Fine	Moderat	12:40	13	S	1	2	6			0.43	0.44		0.040	0.041			0.43	0.28	0.05	0.76				5100	5392		NA	NA	NA	2		2	
C2A	17/8/2019	Mid-Ebb	Fine	Moderat	12:40	13	S	1	3				0.45			0.044				0.42	0.28	0.05	0.75				7200			NA			2			
C2A	17/8/2019	Mid-Ebb	Fine	Moderat	12:40	13	M	6.5	1	4	5	5	0.44	0.45	0.45	0.043	0.043	0.043		0.44	0.27	0.05	0.76				6700	6946	6028	NA	NA	NA	2	2		
C2A	17/8/2019	Mid-Ebb	Fine	Moderat	12:40	13	M	6.5	2	5			0.44			0.043				0.44	0.28	0.06	0.78				5800			NA			2			
C2A	17/8/2019	Mid-Ebb	Fine	Moderat	12:40	13	M	6.5	3	5			0.46	0.46		0.044	0.044			0.45	0.29	0.05	0.79				5900	5850		NA	NA	NA	2	2		
C2A	17/8/2019	Mid-Ebb	Fine	Moderat	12:40	13	B	12	1	5	5	5	0.45			0.044			0.45	0.29	0.05	0.78				5800			NA			2		NA		
C2A	17/8/2019	Mid-Ebb	Fine	Moderat	12:40	13	B	12	2	5			0.46			0.045	0.044			0.46	0.28	0.05	0.79				5900			NA	NA	NA	2		2	
C2A	17/8/2019	Mid-Ebb	Fine	Moderat	12:40	13	B	12	3				NA	NA		NA	NA			0.44	0.26	0.05	0.75				NA			NA	NA	NA	NA		NA	
G2	17/8/2019	Mid-Ebb	Fine	Moderat	11:10	12	S	1	1	5	5	5	NA	NA	NA	NA	NA		0.44	0.28	0.05	0.77				NA	NA		NA	NA	NA	NA	NA	NA		
G2	17/8/2019	Mid-Ebb	Fine	Moderat	11:10	12	S	1	2	5			NA	NA	NA	NA	NA			0.44	0.28	0.05	0.77				NA	NA		NA	NA	NA	NA	NA		
G2	17/8/2019	Mid-Ebb	Fine	Moderat	11:10	12	S	1	3				NA	NA	NA	NA	NA			0.46	0.28	0.05	0.79				NA	NA		NA	NA	NA	NA	NA		
G2	17/8/2019	Mid-Ebb	Fine	Moderat	11:10	12	M	6	1	5	5	5	NA	NA	NA	NA	NA		0.44	0.28	0.05	0.77				NA	NA		NA	NA	NA	NA	NA	NA		
G2	17/8/2019	Mid-Ebb	Fine	Moderat	11:10	12	M	6	2	5			NA	NA	NA	NA	NA			0.45	0.28	0.05	0.78				NA	NA		NA	NA	NA	NA	NA		
G2	17/8/2019	Mid-Ebb	Fine	Moderat	11:10	12	M	6	3				NA	NA	NA	NA	NA			0.45	0.28	0.05	0.78				NA	NA		NA	NA	NA	NA	NA		
G2	17/8/2019	Mid-Ebb	Fine	Moderat	11:10	12	B	11	1	5	5	5	NA	NA	NA	NA	NA		0.45	0.28	0.05	0.78				NA	NA		NA	NA	NA	NA	NA	NA		
G2	17/8/2019	Mid-Ebb	Fine	Moderat	11:10	12	B	11	2	5			NA	NA	NA	NA	NA			0.44	0.28	0.05	0.77				NA	NA		NA	NA	NA	NA	NA		
G2	17/8/2019	Mid-Ebb	Fine	Moderat	11:10	12	B	11	3				NA	NA	NA	NA	NA			0.45	0.29	0.05	0.79				NA	NA		NA	NA	NA	NA	NA		
SR2	17/8/2019	Mid-Ebb	Fine	Moderat	10:46	9	S	1	1	5	5	5	0.44	0.44		0.042	0.042			NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR2	17/8/2019	Mid-Ebb	Fine	Moderat	10:46	9	S	1	2	5			0.44			0.041				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR2	17/8/2019	Mid-Ebb	Fine	Moderat	10:46	9	S	1	3				0.43	0.44	0.44	0.040	0.040	0.042		NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR2	17/8/2019	Mid-Ebb	Fine	Moderat	10:46	9	M	4.5	1	5	6	6	0.45			0.044			NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA			
SR2	17/8/2019	Mid-Ebb	Fine	Moderat	10:46	9	M	4.5	2	5			0.44			0.043				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR2	17/8/2019	Mid-Ebb	Fine	Moderat	10:46	9	B	8	2	6			0.44	0.45		0.043	0.043			NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR2	17/8/2019	Mid-Ebb	Fine	Moderat	10:46	9	B	8	3		0.45			0.044				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA				
SR3	17/8/2019	Mid-Ebb	Fine	Moderat	11:29	8	S	1	1	5	5	5	0.40	0.41		0.039	0.040	0.040		NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR3	17/8/2019	Mid-Ebb	Fine	Moderat	11:29	8	S	1	2	4			0.41			0.040				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR3	17/8/2019	Mid-Ebb	Fine	Moderat	11:29	8	S	1	3				0.41			0.041				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR3	17/8/2019	Mid-Ebb	Fine	Moderat	11:29	8	M	4	1	6	6	6	0.43	0.42	0.41	0.043	0.042	0.042	0.042		NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA	
SR3	17/8/2019	Mid-Ebb	Fine	Moderat	11:29	8	M	4	2	6			0.43			0.043				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR3	17/8/2019	Mid-Ebb	Fine	Moderat	11:29	8	M	4	3				0.41			0.042				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR3	17/8/2019	Mid-Ebb	Fine	Moderat	11:29	8	B	7	1	6	6	6	0.42	0.42		0.042	0.042			NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR3	17/8/2019	Mid-Ebb	Fine	Moderat	11:29	8	B	7	2	6			0.42			0.043	0.042			NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA		
SR3	17/8/2019	Mid-Ebb	Fine	Moderat	11:29	8	B	7	3		0.42			0.043				NA	NA	NA	NA				NA	NA		NA	NA	NA	NA	NA				

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																								
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)			
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	
SR4	17/8/2019	Mid-Ebb	Fine	Moderat	11:43	4	S	1	1	4	4	4	0.41			0.034			NA	NA	NA	NA	NA	NA	8900			NA	NA	NA	2			
SR4	17/8/2019	Mid-Ebb	Fine	Moderat	11:43	4	S	1	2	4			0.41	0.41		0.034	0.034			NA	NA	NA	NA	NA	8200	8543		NA	NA	NA	2	2		
SR4	17/8/2019	Mid-Ebb	Fine	Moderat	11:43	4	S	1	3				NA					0.43			NA	NA	NA	NA	NA		8865		NA	NA	NA			2
SR4	17/8/2019	Mid-Ebb	Fine	Moderat	11:43	4	M			1	4	4							NA	NA	NA	NA	NA				NA	NA	NA					
SR4	17/8/2019	Mid-Ebb	Fine	Moderat	11:43	4	M			2											NA	NA	NA	NA	NA				NA	NA	NA			
SR4	17/8/2019	Mid-Ebb	Fine	Moderat	11:43	4	M			3											NA	NA	NA	NA	NA				NA	NA	NA			
SR4	17/8/2019	Mid-Ebb	Fine	Moderat	11:43	4	B	3	1	4	4	4	0.44			0.038			NA	NA	NA	NA	NA	9200			NA	NA	NA	2				
SR4	17/8/2019	Mid-Ebb	Fine	Moderat	11:43	4	B	3	2	4			0.45	0.45		0.038	0.038			NA	NA	NA	NA	NA	9200	9200		NA	NA	NA	2	2		
SR4	17/8/2019	Mid-Ebb	Fine	Moderat	11:43	4	B	3	3												NA	NA	NA	NA	NA				NA	NA	NA			
SR5	17/8/2019	Mid-Ebb	Fine	Moderat	10:23	11	S	1	1	5	5	5	NA	NA		NA	NA			0.45	0.28	0.05	0.78	0.77	NA	NA		NA	NA	NA	NA	NA		
SR5	17/8/2019	Mid-Ebb	Fine	Moderat	10:23	11	S	1	2	5											0.41	0.28	0.05	0.74	0.77	NA	NA		NA	NA	NA	NA	NA	
SR5	17/8/2019	Mid-Ebb	Fine	Moderat	10:23	11	S	1	3												0.44	0.29	0.05	0.78	0.77	NA	NA		NA	NA	NA	NA	NA	
SR5	17/8/2019	Mid-Ebb	Fine	Moderat	10:23	11	M	5.5	1	6	6	5	NA	NA	NA	NA	NA	NA			0.44	0.28	0.05	0.77	0.76	NA	NA		NA	NA	NA	NA	NA	
SR5	17/8/2019	Mid-Ebb	Fine	Moderat	10:23	11	M	5.5	2	6											0.43	0.28	0.05	0.76	0.77	NA	NA		NA	NA	NA	NA	NA	
SR5	17/8/2019	Mid-Ebb	Fine	Moderat	10:23	11	M	5.5	3												0.45	0.28	0.05	0.78	0.76	NA	NA		NA	NA	NA	NA	NA	
SR5	17/8/2019	Mid-Ebb	Fine	Moderat	10:23	11	B	10	1	5	5	5	NA	NA		NA	NA			0.42	0.28	0.05	0.75	0.76	NA	NA		NA	NA	NA	NA	NA		
SR5	17/8/2019	Mid-Ebb	Fine	Moderat	10:23	11	B	10	2	5											0.42	0.28	0.05	0.75	0.76	NA	NA		NA	NA	NA	NA	NA	
SR5	17/8/2019	Mid-Ebb	Fine	Moderat	10:23	11	B	10	3												0.44	0.28	0.05	0.77	0.76	NA	NA		NA	NA	NA	NA	NA	
SR12	17/8/2019	Mid-Ebb	Fine	Moderat	11:52	15	S	1	1	5	5	5	0.44			0.040				NA	NA	NA	NA	NA	10000			NA	NA	NA	2			
SR12	17/8/2019	Mid-Ebb	Fine	Moderat	11:52	15	S	1	2	5					0.41	0.43		0.037	0.039			NA	NA	NA	NA	8300	9110		NA	NA	NA	2	2	
SR12	17/8/2019	Mid-Ebb	Fine	Moderat	11:52	15	S	1	3												NA	NA	NA	NA	NA				NA	NA	NA			
SR12	17/8/2019	Mid-Ebb	Fine	Moderat	11:52	15	M	7.5	1	5	5	5	0.43			0.038				NA	NA	NA	NA	NA	10000			NA	NA	NA	3			
SR12	17/8/2019	Mid-Ebb	Fine	Moderat	11:52	15	M	7.5	2	5					0.43	0.43	0.43	0.038	0.038	0.038		NA	NA	NA	NA	10000	10000	9783	NA	NA	NA	1	2	2
SR12	17/8/2019	Mid-Ebb	Fine	Moderat	11:52	15	M	7.5	3												NA	NA	NA	NA	NA				NA	NA	NA			
SR12	17/8/2019	Mid-Ebb	Fine	Moderat	11:52	15	B	14	1	5	5	5	0.44			0.040				NA	NA	NA	NA	NA	9600			NA	NA	NA	1			
SR12	17/8/2019	Mid-Ebb	Fine	Moderat	11:52	15	B	14	2	5					0.41	0.43		0.037	0.039			NA	NA	NA	NA	11000	10276		NA	NA	NA	3	2	
SR12	17/8/2019	Mid-Ebb	Fine	Moderat	11:52	15	B	14	3												NA	NA	NA	NA	NA				NA	NA	NA			
SR13	17/8/2019	Mid-Ebb	Fine	Moderat	12:16	14	S	1	1	4	4	4	NA	NA		NA	NA			NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA		
SR13	17/8/2019	Mid-Ebb	Fine	Moderat	12:16	14	S	1	2	4					NA	NA		NA	NA			NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
SR13	17/8/2019	Mid-Ebb	Fine	Moderat	12:16	14	S	1	3												NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
SR13	17/8/2019	Mid-Ebb	Fine	Moderat	12:16	14	M	7	1	4	4	5	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA		
SR13	17/8/2019	Mid-Ebb	Fine	Moderat	12:16	14	M	7	2	4					NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
SR13	17/8/2019	Mid-Ebb	Fine	Moderat	12:16	14	M	7	3												NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
SR13	17/8/2019	Mid-Ebb	Fine	Moderat	12:16	14	B	13	1	5	6	6	NA	NA		NA	NA			NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA		
SR13	17/8/2019	Mid-Ebb	Fine	Moderat	12:16	14	B	13	2	6					NA	NA		NA	NA			NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
SR13	17/8/2019	Mid-Ebb	Fine	Moderat	12:16	14	B	13	3												NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																									
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)		
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	S	1	1	8.25	24.93	24.93	28.00	28.00	67.8	67.6	4.63	4.58	4.61	1.8	2.0	1.9	0.19	0.19	0.19	0.018	0.018	0.018	0.19	0.45	0.10	0.74	0.74		
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	S	1	2	8.25	24.93	24.93	28.00	28.00	67.4	67.6	4.58	4.61	4.61	2.0	2.0	1.9	0.19	0.19	0.19	0.018	0.018	0.018	0.19	0.45	0.10	0.74	0.74		
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	S	1	3	8.25	24.93	24.93	28.00	28.00	67.4	67.6	4.58	4.61	4.61	2.0	2.0	1.9	0.19	0.19	0.19	0.018	0.018	0.018	0.19	0.45	0.10	0.74	0.74		
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	M	14	1	8.23	27.04	27.04	27.70	27.70	56.7	56.5	3.88	3.86	3.86	3.0	3.1	3.1	0.20	0.20	0.20	0.018	0.018	0.018	0.20	0.46	0.10	0.76	0.76		
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	M	14	2	8.23	27.04	27.04	27.70	27.70	56.2	56.5	3.84	3.86	3.86	3.1	3.1	3.1	0.20	0.20	0.20	0.018	0.018	0.018	0.20	0.46	0.10	0.76	0.76		
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	M	14	3	8.23	27.04	27.04	27.70	27.70	56.2	56.5	3.84	3.86	3.86	3.1	3.1	3.1	0.20	0.20	0.20	0.018	0.018	0.018	0.20	0.46	0.10	0.76	0.76		
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	B	27	1	8.24	30.19	30.19	26.17	26.17	47.6	47.8	3.25	3.26	3.26	4.6	4.6	4.6	0.21	0.21	0.21	0.017	0.017	0.017	0.21	0.45	0.11	0.77	0.78		
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	B	27	2	8.24	30.19	30.19	26.17	26.17	47.9	47.8	3.27	3.26	3.26	4.6	4.6	4.6	0.21	0.21	0.21	0.017	0.017	0.017	0.21	0.46	0.12	0.79	0.78		
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	B	27	3	8.24	30.19	30.19	26.17	26.17	47.9	47.8	3.27	3.26	3.26	4.6	4.6	4.6	0.21	0.21	0.21	0.017	0.017	0.017	0.21	0.46	0.11	0.78	0.78		
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	S	1	1	8.17	29.00	29.00	26.84	26.84	59.2	59.4	4.04	4.06	4.06	1.4	1.5	1.5	0.40	0.40	0.40	0.029	0.029	0.029	0.40	0.16	0.06	0.62	0.62		
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	S	1	2	8.17	29.00	29.00	26.84	26.84	59.5	59.4	4.04	4.06	4.06	1.5	1.5	1.5	0.40	0.40	0.40	0.029	0.029	0.029	0.40	0.16	0.06	0.62	0.62		
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	S	1	3	8.17	29.00	29.00	26.84	26.84	59.5	59.4	4.04	4.06	4.06	1.5	1.5	1.5	0.40	0.40	0.40	0.029	0.029	0.029	0.40	0.16	0.06	0.62	0.62		
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	M	6.5	1	8.15	29.62	29.62	26.53	26.53	48.2	48.6	3.30	3.34	3.34	1.8	1.8	1.8	0.41	0.41	0.41	0.028	0.028	0.028	0.41	0.16	0.06	0.63	0.63		
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	M	6.5	2	8.15	29.62	29.62	26.53	26.53	48.9	48.6	3.38	3.34	3.34	1.8	1.8	1.8	0.40	0.41	0.41	0.027	0.027	0.027	0.40	0.16	0.06	0.62	0.63		
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	M	6.5	3	8.15	29.62	29.62	26.53	26.53	48.9	48.6	3.38	3.34	3.34	1.8	1.8	1.8	0.40	0.41	0.41	0.027	0.027	0.027	0.40	0.16	0.06	0.63	0.63		
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	B	12	1	8.16	29.20	29.20	26.70	26.70	51.6	51.4	3.42	3.40	3.40	1.9	1.7	1.8	0.42	0.42	0.42	0.029	0.029	0.029	0.42	0.17	0.07	0.66	0.66		
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	B	12	2	8.16	29.20	29.20	26.70	26.70	51.2	51.4	3.38	3.40	3.40	1.7	1.7	1.8	0.42	0.42	0.42	0.029	0.029	0.029	0.42	0.17	0.07	0.66	0.66		
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	B	12	3	8.16	29.20	29.20	26.70	26.70	51.2	51.4	3.38	3.40	3.40	1.7	1.7	1.8	0.42	0.42	0.42	0.029	0.029	0.029	0.42	0.17	0.07	0.66	0.66		
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	S	1	1	8.22	27.49	27.49	27.17	27.17	56.0	56.3	3.82	3.85	3.85	2.1	2.2	2.1	NA	NA	NA	NA	NA	NA	0.27	0.27	0.09	0.63	0.63		
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	S	1	2	8.22	27.49	27.49	27.17	27.17	56.6	56.3	3.88	3.85	3.85	2.2	2.2	2.1	NA	NA	NA	NA	NA	NA	0.27	0.27	0.09	0.63	0.63		
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	S	1	3	8.22	27.49	27.49	27.17	27.17	56.6	56.3	3.88	3.85	3.85	2.2	2.2	2.1	NA	NA	NA	NA	NA	NA	0.27	0.27	0.09	0.63	0.63		
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	M	6	1	8.22	28.14	28.14	26.87	26.87	53.9	54.1	3.66	3.67	3.67	2.4	2.5	2.5	NA	NA	NA	NA	NA	NA	0.28	0.30	0.09	0.67	0.67		
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	M	6	2	8.22	28.14	28.14	26.87	26.87	54.3	54.1	3.68	3.67	3.67	2.5	2.5	2.5	NA	NA	NA	NA	NA	NA	0.28	0.30	0.09	0.67	0.67		
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	M	6	3	8.22	28.14	28.14	26.87	26.87	54.3	54.1	3.68	3.67	3.67	2.5	2.5	2.5	NA	NA	NA	NA	NA	NA	0.28	0.30	0.09	0.67	0.67		
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	B	11	1	8.22	29.62	29.62	26.35	26.35	49.9	50.2	3.40	3.41	3.41	2.8	2.9	2.9	NA	NA	NA	NA	NA	NA	0.29	0.31	0.10	0.70	0.70		
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	B	11	2	8.22	29.62	29.62	26.35	26.35	50.4	50.2	3.42	3.41	3.41	2.9	2.9	2.9	NA	NA	NA	NA	NA	NA	0.28	0.31	0.10	0.69	0.70		
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	B	11	3	8.22	29.62	29.62	26.35	26.35	50.4	50.2	3.42	3.41	3.41	2.9	2.9	2.9	NA	NA	NA	NA	NA	NA	0.29	0.31	0.10	0.70	0.70		
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	S	1	1	8.23	27.19	27.19	27.12	27.12	76.3	76.3	5.76	5.77	5.77	1.9	1.8	1.9	0.22	0.22	0.22	0.019	0.019	0.019	NA	NA	NA	NA	NA		
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	S	1	2	8.23	27.19	27.19	27.12	27.12	76.2	76.3	5.77	5.77	5.77	1.8	1.8	1.9	0.22	0.22	0.22	0.019	0.019	0.019	NA	NA	NA	NA	NA		
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	S	1	3	8.23	27.19	27.19	27.12	27.12	76.2	76.3	5.77	5.77	5.77	1.8	1.8	1.9	0.22	0.22	0.22	0.019	0.019	0.019	NA	NA	NA	NA	NA		
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	M	4.5	1	8.23	30.08	30.08	26.22	26.22	70.2	70.2	5.32	5.32	5.32	2.4	2.3	2.4	0.23	0.23	0.23	0.018	0.018	0.018	NA	NA	NA	NA	NA		
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	M	4.5	2	8.23	30.08	30.08	26.22	26.22	70.2	70.2	5.32	5.32	5.32	2.3	2.3	2.4	0.23	0.23	0.23	0.018	0.018	0.018	NA	NA	NA	NA	NA		
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	M	4.5	3	8.23	30.08	30.08	26.22	26.22	70.2	70.2	5.32	5.32	5.32	2.3	2.3	2.4	0.23	0.23	0.23	0.018	0.018	0.018	NA	NA	NA	NA	NA		
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	B	8	1	8.23	30.05	30.05	26.24	26.24	68.5	68.6	5.02	5.04	5.04	2.4	2.5	2.3	0.25	0.25	0.25	0.020	0.020	0.020	NA	NA	NA	NA	NA		
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	B	8	2	8.23	30.05	30.05	26.24	26.24	68.6	68.6	5.05	5.04	5.04	2.2	2.2	2.3	0.25	0.25	0.25	0.020	0.020	0.020	NA	NA	NA	NA	NA		
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	B	8	3	8.23	30.05	30.05	26.24	26.24	68.6	68.6	5.05	5.04	5.04	2.2	2.2	2.3	0.25	0.25	0.25	0.020	0.								

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																													
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)			TIN-Nitrate (mg/L-N)			TIN-Nitrite (mg/L-N)			Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.			
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	S	1	1	4	0.19			0.19	0.19		0.018	0.018		0.19	0.43	0.10	0.72				1			NA	NA		1						
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	S	1	2	3	0.19	0.19		0.18	0.018		0.018	0.018		0.19	0.45	0.10	0.74				8	3		NA	NA		<1	1					
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	S	1	3											0.20	0.45	0.11	0.76																
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	M	14	1	4	0.22			0.019	0.018		0.018	0.018		0.22	0.46	0.10	0.78				4			NA	NA		<1						
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	M	14	2	4	0.20	0.21	0.20	0.018	0.018		0.018	0.018		0.20	0.46	0.10	0.76				6	5	3	NA	NA		<1						
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	M	14	3											0.20	0.46	0.10	0.76																
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	B	27	1	3	0.21			0.017	0.017		0.017	0.017		0.21	0.47	0.10	0.78				3			NA	NA		<1						
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	B	27	2	3	0.21	0.21		0.017	0.017		0.017	0.017		0.21	0.46	0.10	0.77				2	2		NA	NA		<1	1					
C1A	20/8/2019	Mid-Flood	Cloudy	Moderate	12:00	28	B	27	3											0.21	0.46	0.10	0.77																
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	S	1	1	3	0.42			0.030	0.030		0.030	0.030		0.42	0.19	0.06	0.67				390			NA	NA		1						
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	S	1	2	3	0.40	0.41		0.029	0.030		0.029	0.030		0.40	0.16	0.06	0.62				350	369		NA	NA		1	1					
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	S	1	3											0.38	0.14	0.06	0.58																
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	M	6.5	1	3	0.40			0.027	0.028		0.027	0.028		0.40	0.13	0.06	0.59				400			NA	NA		1						
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	M	6.5	2	2	0.42	0.41	0.40	0.028	0.028	0.028	0.028	0.028		0.42	0.12	0.06	0.60				310	352	394	NA	NA	NA	1	1	1				
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	M	6.5	3											0.37	0.11	0.06	0.54																
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	B	12	1	2	0.38			0.027	0.027		0.027	0.027		0.38	0.09	0.06	0.53				490			NA	NA		1						
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	B	12	2	3	0.38	0.38		0.027	0.027		0.027	0.027		0.38	0.09	0.06	0.53				450	470		NA	NA		1	1					
C2A	20/8/2019	Mid-Flood	Cloudy	Moderate	14:40	13	B	12	3											0.42	0.08	0.06	0.56																
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	S	1	1	5	NA	NA		NA	NA		NA	NA		0.27	0.27	0.09	0.63				NA	NA		NA	NA		NA	NA					
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	S	1	2	5	NA	NA		NA	NA		NA	NA		0.27	0.29	0.08	0.64				NA	NA		NA	NA		NA	NA					
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	S	1	3											0.24	0.30	0.08	0.62																
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	M	6	1	5	NA	NA		NA	NA		NA	NA		0.27	0.31	0.09	0.67				NA	NA		NA	NA		NA	NA					
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	M	6	2	4	NA	NA	NA	NA	NA	NA	NA	NA		0.30	0.30	0.08	0.68				NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	M	6	3											0.26	0.30	0.08	0.64																
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	B	11	1	4	NA	NA		NA	NA		NA	NA		0.28	0.31	0.08	0.67				NA	NA		NA	NA		NA	NA					
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	B	11	2	5	NA	NA		NA	NA		NA	NA		0.26	0.31	0.08	0.65				NA	NA		NA	NA		NA	NA					
G2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:58	12	B	11	3											0.26	0.31	0.08	0.65																
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	S	1	1	4	0.23			0.019	0.020		0.019	0.020		NA	NA	NA	NA				NA	NA		NA	NA		NA	NA					
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	S	1	2	4	0.24	0.24		0.020	0.020		0.020	0.020		NA	NA	NA	NA				NA	NA		NA	NA		NA	NA					
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	S	1	3											NA	NA	NA	NA																
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	M	4.5	1	4	0.23			0.018	0.017		0.018	0.017		NA	NA	NA	NA				NA	NA		NA	NA		NA	NA					
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	M	4.5	2	3	0.21	0.22	0.23	0.018	0.017		0.018	0.017		NA	NA	NA	NA				NA	NA		NA	NA		NA	NA					
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	M	4.5	3											NA	NA	NA	NA																
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	B	8	1	4	0.24			0.019	0.018		0.019	0.018		NA	NA	NA	NA				NA	NA		NA	NA		NA	NA					
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	B	8	2	4	0.21	0.23		0.017	0.018		0.017	0.018		NA	NA	NA	NA				NA	NA		NA	NA		NA	NA					
SR2	20/8/2019	Mid-Flood	Cloudy	Moderate	12:44	9	B	8	3											NA	NA	NA	NA																
SR3	20/8/2019	Mid-Flood	Cloudy	Moderate	13:13	8	S	1	1	4	0.21			0.018	0.019		0.018	0.019		NA	NA	NA	NA				NA	NA		NA	NA		NA	NA					
SR3	20/8/2019	Mid-Flood	Cloudy	Moderate	13:13	8	S	1	2	5	0.23	0.22		0.020	0.019		0.020	0.019		NA	NA	NA	NA				NA	NA		NA	NA		NA	NA					
SR3	20/8/2019	Mid-Flood	Cloudy	Moderate	13:13	8	S	1	3											NA	NA	NA	NA																
SR3	20/8/2019	Mid-Flood	Cloudy	Moderate	13:13	8	M	4	1	4	0.24			0.019	0.019		0.019	0.019		NA	NA	NA	NA				NA	NA		NA	NA		NA	NA					
SR3	20/8/2019	Mid-Flood	Cloudy	Moderate	13:13	8	M	4	2	5	0.23	0.24	0.24	0.018	0.019	0.019	0.019	0.019		NA	NA	NA	NA				NA	NA	NA	NA	NA		NA	NA	NA				
SR3	20/8/2019	Mid-Flood	Cloudy	Moderate	13:13	8	M	4	3											NA	NA	NA	NA																
SR3	20/8/2019	Mid-Flood	Cloudy	Moderate	13:13	8	B	7	1	4	0.26			0.020	0.019		0.020	0.019		NA	NA	NA	NA				NA	NA		NA	NA		NA	NA					
SR3	20/8/2019	Mid-Flood	Cloudy	Moderate	13:13	8	B	7	2	4	0.24	0.25		0.018	0.019		0.018	0.019		NA	NA	NA	NA				NA	NA		NA	NA		NA	NA					
SR3	20/8/2019	Mid-Flood	Cloudy	Moderate	13:13	8	B	7	3											NA	NA	NA	NA																

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																							
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)		
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	S	1	1	8.23	24.99	24.99	28.00	28.00	69.5	69.3	4.70	4.65	4.68	2.1	2.0	2.1	0.20	0.20	0.20	0.018	0.018	0.018	0.20	0.40	0.10	0.70	0.70
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	S	1	2	8.23	24.99	24.99	28.00	28.00	69.1	69.3	4.65	4.68	4.68	2.0	2.0	2.1	0.20	0.20	0.20	0.018	0.018	0.018	0.20	0.40	0.10	0.70	0.70
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	M	14	1	8.25	28.56	28.56	26.71	26.71	53.0	53.2	3.60	3.62	3.61	3.4	3.4	3.4	0.21	0.21	0.21	0.018	0.018	0.018	0.21	0.41	0.10	0.72	0.72
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	M	14	2	8.25	28.56	28.56	26.71	26.71	53.4	53.2	3.62	3.62	3.61	3.4	3.4	3.4	0.21	0.21	0.21	0.018	0.018	0.018	0.21	0.41	0.10	0.72	0.72
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	M	14	3	8.25	28.56	28.56	26.71	26.71	53.4	53.2	3.62	3.62	3.61	3.4	3.4	3.4	0.21	0.21	0.21	0.018	0.018	0.018	0.21	0.41	0.10	0.72	0.72
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	B	27	1	8.24	30.31	30.31	26.12	26.12	47.7	47.6	3.25	3.24	3.25	4.6	4.6	4.6	0.21	0.21	0.21	0.017	0.017	0.017	0.21	0.41	0.11	0.73	0.73
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	B	27	2	8.24	30.31	30.31	26.12	26.12	47.5	47.6	3.24	3.25	3.25	4.5	4.5	4.6	0.21	0.21	0.21	0.017	0.017	0.017	0.21	0.41	0.11	0.73	0.73
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	B	27	3	8.24	30.31	30.31	26.12	26.12	47.5	47.6	3.24	3.25	3.25	4.5	4.5	4.6	0.21	0.21	0.21	0.017	0.017	0.017	0.21	0.41	0.11	0.73	0.73
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	1	8.17	28.82	28.82	26.91	26.91	62.1	62.3	4.20	4.22	4.21	1.4	1.4	1.4	0.40	0.40	0.40	0.029	0.029	0.029	0.40	0.10	0.06	0.56	0.56
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	2	8.17	28.82	28.82	26.91	26.91	62.4	62.3	4.22	4.21	4.21	1.4	1.4	1.4	0.40	0.40	0.40	0.029	0.029	0.029	0.40	0.10	0.06	0.56	0.56
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	3	8.17	28.82	28.82	26.91	26.91	62.4	62.3	4.22	4.21	4.21	1.4	1.4	1.4	0.40	0.40	0.40	0.029	0.029	0.029	0.40	0.10	0.06	0.56	0.56
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	1	8.17	29.09	29.09	26.78	26.78	56.0	56.2	3.80	3.82	3.82	1.6	1.6	1.6	0.41	0.41	0.41	0.030	0.030	0.030	0.41	0.10	0.06	0.57	0.57
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	2	8.17	29.09	29.09	26.78	26.78	56.3	56.2	3.84	3.82	3.82	1.6	1.6	1.6	0.41	0.41	0.41	0.030	0.030	0.030	0.41	0.11	0.06	0.58	0.58
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	3	8.17	29.09	29.09	26.78	26.78	56.3	56.2	3.84	3.82	3.82	1.6	1.6	1.6	0.41	0.41	0.41	0.030	0.030	0.030	0.41	0.10	0.06	0.56	0.56
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	1	8.16	29.21	29.21	26.73	26.73	52.4	52.6	3.55	3.56	3.56	1.6	1.5	1.5	0.40	0.40	0.40	0.028	0.028	0.028	0.40	0.09	0.07	0.56	0.56
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	2	8.16	29.21	29.21	26.73	26.73	52.8	52.6	3.56	3.56	3.56	1.5	1.5	1.5	0.40	0.40	0.40	0.028	0.028	0.028	0.40	0.09	0.07	0.56	0.56
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	3	8.16	29.21	29.21	26.73	26.73	52.8	52.6	3.56	3.56	3.56	1.5	1.5	1.5	0.40	0.40	0.40	0.028	0.028	0.028	0.40	0.09	0.07	0.56	0.56
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	S	1	1	8.23	27.46	27.46	27.10	27.10	55.8	55.6	3.80	3.76	3.78	2.4	2.3	2.4	NA	NA	NA	NA	NA	NA	0.25	0.27	0.09	0.61	0.61
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	S	1	2	8.23	27.46	27.46	27.10	27.10	55.3	55.6	3.76	3.78	3.78	2.3	2.3	2.4	NA	NA	NA	NA	NA	NA	0.26	0.27	0.09	0.62	0.62
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	S	1	3	8.23	27.46	27.46	27.10	27.10	55.3	55.6	3.76	3.78	3.78	2.3	2.3	2.4	NA	NA	NA	NA	NA	NA	0.25	0.27	0.09	0.61	0.61
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	M	6	1	8.22	27.84	27.84	26.98	26.98	53.9	53.9	3.67	3.67	3.67	2.7	2.7	2.6	NA	NA	NA	NA	NA	NA	0.27	0.28	0.09	0.64	0.64
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	M	6	2	8.22	27.89	27.89	26.98	26.98	53.8	53.9	3.67	3.67	3.67	2.5	2.5	2.6	NA	NA	NA	NA	NA	NA	0.27	0.28	0.09	0.64	0.64
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	M	6	3	8.22	27.89	27.89	26.98	26.98	53.8	53.9	3.67	3.67	3.67	2.5	2.5	2.6	NA	NA	NA	NA	NA	NA	0.27	0.28	0.09	0.64	0.64
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	B	11	1	8.23	29.31	29.31	26.48	26.48	50.6	50.2	3.45	3.44	3.44	2.7	2.7	2.6	NA	NA	NA	NA	NA	NA	0.29	0.28	0.10	0.67	0.67
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	B	11	2	8.23	29.31	29.31	26.48	26.48	49.8	50.2	3.42	3.44	3.44	2.5	2.5	2.6	NA	NA	NA	NA	NA	NA	0.29	0.28	0.10	0.67	0.67
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	B	11	3	8.23	29.31	29.31	26.48	26.48	49.8	50.2	3.42	3.44	3.44	2.5	2.5	2.6	NA	NA	NA	NA	NA	NA	0.29	0.28	0.10	0.67	0.67
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	S	1	1	8.24	26.00	26.00	27.63	27.63	75.3	75.4	5.75	5.74	5.75	1.7	1.7	1.7	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	S	1	2	8.24	26.00	26.00	27.63	27.63	75.4	75.4	5.74	5.75	5.75	1.7	1.7	1.7	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	S	1	3	8.24	26.00	26.00	27.63	27.63	75.4	75.4	5.74	5.75	5.75	1.7	1.7	1.7	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	M	4.5	1	8.24	29.94	29.94	26.38	26.38	70.3	70.4	5.32	5.30	5.31	2.4	2.5	2.5	0.23	0.23	0.23	0.019	0.019	0.019	NA	NA	NA	NA	NA
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	M	4.5	2	8.24	29.94	29.94	26.38	26.38	70.4	70.4	5.30	5.31	5.31	2.5	2.5	2.5	0.23	0.23	0.23	0.019	0.019	0.019	NA	NA	NA	NA	NA
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	M	4.5	3	8.24	29.94	29.94	26.38	26.38	70.4	70.4	5.30	5.31	5.31	2.5	2.5	2.5	0.23	0.23	0.23	0.019	0.019	0.019	NA	NA	NA	NA	NA
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	B	8	1	8.24	30.04	30.04	26.25	26.25	68.5	68.7	5.00	5.01	5.01	2.5	2.5	2.5	0.23	0.23	0.23	0.018	0.018	0.018	NA	NA	NA	NA	NA
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	B	8	2	8.24	30.04	30.04	26.25	26.25	68.8	68.7	5.02	5.01	5.01	2.5	2.5	2.5	0.23	0.23	0.23	0.018	0.018	0.018	NA	NA	NA	NA	NA
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	B	8	3	8.24	30.04	30.04	26.25	26.25	68.8	68.7	5.02	5.01	5.01	2.5	2.5	2.5	0.23	0.23	0.23	0.018	0.018	0.018	NA	NA	NA	NA	NA
SR3	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	S	1	1	8.25	26.35	26.35	27.48	27.48	75.4	75.4	5.69	5.70	5.70	1.7	1.8	1.8	0.24	0.24	0.24	0.022	0.022	0.022	NA				

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	S	1	1	2	0.22			0.020			0.22	0.38	0.10	0.70				NA			<1						
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	S	1	2	2	0.20	0.21		0.018	0.019		0.20	0.40	0.10	0.70	0.70		6	6		NA	NA	<1	1				
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	S	1	3							0.20	0.40	0.10	0.70				NA	NA		<1							
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	M	14	1	3	0.20			0.017			0.20	0.41	0.10	0.71	0.71		6	5	6	NA	NA	<1	1	1			
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	M	14	2	3	0.21	0.21	0.21	0.017	0.017		0.21	0.41	0.10	0.72				NA	NA	<1							
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	M	14	3							0.20	0.41	0.10	0.71				NA	NA		<1							
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	B	27	1	2	0.21			0.017			0.21	0.41	0.10	0.72	0.72		5			NA	NA	<1					
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	B	27	2	2	0.21	0.21		0.017	0.017		0.21	0.40	0.10	0.71			7	6		NA	NA	<1	1				
C1A	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:50	28	B	27	3							0.21	0.41	0.10	0.72				NA	NA		<1							
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	1	2	0.40			0.029			0.40	0.15	0.06	0.61	0.56		410	439		NA	NA	1					
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	2	2	0.39	0.40		0.028	0.029		0.39	0.12	0.06	0.57			470			NA	NA	1	1				
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	S	1	3							0.35	0.10	0.06	0.51						NA	NA							
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	1	3	0.41			0.030			0.41	0.10	0.06	0.57	0.55		470			NA	NA	1					
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	2	3	0.41	0.41	0.40	0.030	0.030	0.029	0.41	0.09	0.06	0.56			390	428	411	NA	NA	2	1	1			
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	M	6.5	3							0.40	0.08	0.06	0.54						NA	NA							
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	1	2	0.40			0.028			0.40	0.08	0.06	0.54	0.53		370	370		NA	NA	1					
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	2	3	0.40	0.40		0.028	0.028		0.40	0.08	0.06	0.54			370			NA	NA	1	1				
C2A	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:30	13	B	12	3							0.37	0.08	0.06	0.51						NA	NA							
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	S	1	1	6	NA			NA	NA		0.23	0.26	0.09	0.58	0.61		NA	NA		NA	NA	NA					
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	S	1	2	5	NA	NA		NA	NA		0.26	0.26	0.08	0.60			NA	NA		NA	NA	NA					
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	S	1	3							0.28	0.27	0.09	0.64						NA	NA	NA						
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	M	6	1	4	NA			NA	NA		0.27	0.28	0.09	0.64	0.63		NA	NA	NA	NA	NA	NA					
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	M	6	2	4	NA	NA	NA	NA	NA		0.28	0.28	0.08	0.64			NA	NA	NA	NA	NA	NA					
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	M	6	3							0.26	0.28	0.08	0.62						NA	NA	NA						
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	B	11	1	4	NA			NA	NA		0.24	0.28	0.08	0.60	0.62		NA	NA	NA	NA	NA	NA					
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	B	11	2	5	NA	NA		NA	NA		0.27	0.28	0.09	0.64			NA	NA	NA	NA	NA	NA					
G2	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:54	12	B	11	3							0.25	0.28	0.08	0.61						NA	NA	NA						
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	S	1	1	3	0.23			0.021			NA	NA	NA	NA	NA		NA	NA		NA	NA	NA					
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	S	1	2	3	0.22	0.23		0.020	0.020		NA	NA	NA	NA	NA		NA	NA		NA	NA	NA					
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	S	1	3							NA	NA	NA	NA	NA						NA	NA	NA					
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	M	4.5	1	3	0.22			0.018			NA	NA	NA	NA	NA		NA	NA		NA	NA	NA					
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	M	4.5	2	3	0.20	0.21	0.22	0.016	0.017	0.018	NA	NA	NA	NA	NA		NA	NA		NA	NA	NA					
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	M	4.5	3							NA	NA	NA	NA	NA						NA	NA	NA					
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	B	8	1	4	0.21			0.017			NA	NA	NA	NA	NA		NA	NA		NA	NA	NA					
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	B	8	2	4	0.22	0.22		0.018	0.017		NA	NA	NA	NA	NA		NA	NA		NA	NA	NA					
SR2	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:12	9	B	8	3							NA	NA	NA	NA	NA						NA	NA	NA					
SR3	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	S	1	1	3	0.22			0.020			NA	NA	NA	NA	NA		NA	NA		NA	NA	NA					
SR3	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	S	1	2	3	0.24	0.23		0.022	0.021		NA	NA	NA	NA	NA		NA	NA		NA	NA	NA					
SR3	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	S	1	3							NA	NA	NA	NA	NA						NA	NA	NA					
SR3	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	M	4	1	4	0.23			0.020			NA	NA	NA	NA	NA		NA	NA		NA	NA	NA					
SR3	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	M	4	2	4	0.24	0.24	0.23	0.020	0.020	0.020	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA				
SR3	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	M	4	3							NA	NA	NA	NA	NA						NA	NA	NA					
SR3	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	B	7	1	4	0.23			0.018			NA	NA	NA	NA	NA		NA	NA		NA	NA	NA					
SR3	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	B	7	2	5	0.22	0.23		0.017	0.018		NA	NA	NA	NA	NA		NA	NA		NA	NA	NA					
SR3	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:40	8	B	7	3							NA	NA	NA	NA	NA						NA	NA	NA					

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																									
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)				
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.		
SR4	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:29	4	S	1	1	3	0.23	0.23	0.23	0.020	0.020	0.020	0.019	0.020	0.019	0.020	NA	NA	NA	NA	NA	5300	5869	7042	NA	NA	NA	<1	<1	1	1
SR4	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:29	4	S	1	2	3	0.22	0.23	0.22	0.019	0.020	0.019	0.020	0.019	0.020	0.019	NA	NA	NA	NA	NA	6500	5869	7042	NA	NA	NA	<1	<1	1	1
SR4	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:29	4	S	1	3	3	0.23	0.23	0.23	0.020	0.020	0.020	0.019	0.020	0.019	0.020	NA	NA	NA	NA	NA	6500	5869	7042	NA	NA	NA	<1	<1	1	1
SR4	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:29	4	M	1	1	1	0.23	0.23	0.23	0.020	0.020	0.020	0.019	0.020	0.019	0.020	NA	NA	NA	NA	NA	6500	5869	7042	NA	NA	NA	<1	<1	1	1
SR4	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:29	4	M	2	2	2	0.23	0.23	0.23	0.020	0.020	0.020	0.019	0.020	0.019	0.020	NA	NA	NA	NA	NA	6500	5869	7042	NA	NA	NA	<1	<1	1	1
SR4	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:29	4	B	3	1	3	0.23	0.23	0.23	0.020	0.020	0.020	0.019	0.020	0.019	0.020	NA	NA	NA	NA	NA	6500	5869	7042	NA	NA	NA	<1	<1	1	1
SR4	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:29	4	B	3	2	3	0.21	0.22	0.21	0.017	0.018	0.017	0.018	0.017	0.018	0.017	NA	NA	NA	NA	NA	8300	8449	7042	NA	NA	NA	<1	<1	1	1
SR4	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:29	4	B	3	3	3	0.21	0.22	0.21	0.017	0.018	0.017	0.018	0.017	0.018	0.017	NA	NA	NA	NA	NA	8600	8449	7042	NA	NA	NA	<1	<1	1	1
SR5	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:38	11	S	1	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.22	0.28	0.08	0.58	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:38	11	S	1	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.23	0.28	0.08	0.59	0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:38	11	S	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.23	0.27	0.08	0.58	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:38	11	M	5.5	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.23	0.29	0.08	0.60	0.60	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:38	11	M	5.5	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.24	0.28	0.08	0.60	0.60	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:38	11	M	5.5	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.22	0.29	0.09	0.60	0.60	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:38	11	B	10	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.23	0.28	0.08	0.59	0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:38	11	B	10	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.23	0.28	0.09	0.60	0.60	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	20/8/2019	Mid-Ebb	Cloudy	Moderate	11:38	11	B	10	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.23	0.29	0.08	0.60	0.60	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:11	15	S	1	1	5	0.37	0.33	0.37	0.029	0.026	0.029	0.023	0.026	0.023	0.029	NA	NA	NA	NA	NA	4200	4537	4630	NA	NA	NA	NA	NA	NA	
SR12	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:11	15	S	1	2	5	0.29	0.33	0.29	0.023	0.026	0.023	0.023	0.026	0.023	0.029	NA	NA	NA	NA	NA	4900	4537	4630	NA	NA	NA	NA	NA	NA	
SR12	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:11	15	S	1	3	3	0.29	0.33	0.29	0.023	0.026	0.023	0.023	0.026	0.023	0.029	NA	NA	NA	NA	NA	5100	5100	4630	NA	NA	NA	NA	NA	NA	
SR12	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:11	15	M	7.5	1	5	0.29	0.28	0.29	0.022	0.021	0.022	0.023	0.021	0.022	0.029	NA	NA	NA	NA	NA	5100	5100	4630	NA	NA	NA	NA	NA	NA	
SR12	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:11	15	M	7.5	3	3	0.27	0.28	0.27	0.020	0.021	0.020	0.023	0.021	0.022	0.027	NA	NA	NA	NA	NA	5100	5100	4630	NA	NA	NA	NA	NA	NA	
SR12	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:11	15	B	14	1	6	0.29	0.30	0.29	0.021	0.022	0.021	0.023	0.022	0.021	0.029	NA	NA	NA	NA	NA	4600	4290	4630	NA	NA	NA	NA	NA	NA	
SR12	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:11	15	B	14	2	6	0.30	0.30	0.30	0.022	0.022	0.022	0.023	0.022	0.022	0.030	NA	NA	NA	NA	NA	4000	4290	4630	NA	NA	NA	NA	NA	NA	
SR12	20/8/2019	Mid-Ebb	Cloudy	Moderate	10:11	15	B	14	3	3	0.30	0.30	0.30	0.022	0.022	0.022	0.023	0.022	0.022	0.030	NA	NA	NA	NA	NA	4000	4290	4630	NA	NA	NA	NA	NA	NA	
SR13	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:52	14	S	1	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:52	14	S	1	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:52	14	S	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:52	14	M	7	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:52	14	M	7	2	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:52	14	M	7	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:52	14	B	13	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:52	14	B	13	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	20/8/2019	Mid-Ebb	Cloudy	Moderate	9:52	14	B	13	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																								
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)		
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	S	1	1	8.18	8.19	28.70	28.72	28.82	28.82	86.0	85.9	5.88	5.87	1.7	1.7	2.3	0.21	0.21	0.22	0.018	0.018	0.019	0.21	0.34	0.08	0.63	0.65	
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	S	1	2	8.19	8.19	28.74	28.72	28.81	28.82	85.7	85.9	5.86	5.87	1.6	1.7	2.3	0.21	0.21	0.22	0.018	0.018	0.019	0.21	0.34	0.08	0.63	0.65	
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	M	14	1	8.21	8.21	28.99	29.01	28.40	28.40	80.1	80.0	5.47	5.45	2.4	2.4	2.3	0.24	0.24	0.22	0.021	0.021	0.019	0.24	0.34	0.09	0.67	0.66	
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	M	14	2	8.20	8.21	29.03	29.01	28.39	28.40	79.8	80.0	5.45	5.46	2.3	2.4	2.3	0.24	0.24	0.22	0.021	0.021	0.019	0.24	0.33	0.09	0.66	0.66	
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	M	14	3		8.21																							
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	B	27	1	8.24	8.25	29.67	29.69	28.03	28.03	71.4	71.2	4.88	4.87	2.9	3.0	2.3	0.20	0.21	0.22	0.018	0.019	0.019	0.22	0.35	0.09	0.64	0.65	
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	B	27	2	8.25	8.25	29.70	29.69	28.02	28.03	71.0	71.2	4.85	4.87	3.1	3.0	2.3	0.21	0.21	0.22	0.019	0.019	0.019	0.21	0.35	0.09	0.65	0.65	
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	B	27	3		8.25																							
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	S	1	1	8.16	8.17	28.92	28.91	27.35	27.35	78.8	79.1	5.31	5.36	2.0	2.0	2.3	0.81	0.81	0.82	0.060	0.060	0.062	0.81	0.20	0.07	1.08	1.10	
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	S	1	2	8.17	8.17	28.89	28.91	27.35	27.35	79.4	79.1	5.36	5.34	1.9	2.0	2.3	0.81	0.81	0.82	0.060	0.060	0.062	0.81	0.20	0.07	1.08	1.10	
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	S	1	3		8.17																							
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	M	6.5	1	8.18	8.19	29.39	29.37	27.03	27.03	74.3	74.2	5.01	5.00	2.2	2.3	2.3	0.81	0.82	0.82	0.061	0.062	0.062	0.81	0.21	0.05	1.07	1.10	
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	M	6.5	2	8.19	8.19	29.34	29.37	27.02	27.03	74.0	74.2	4.98	5.00	2.3	2.3	2.3	0.82	0.82	0.82	0.062	0.062	0.062	0.82	0.21	0.05	1.08	1.10	
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	M	6.5	3		8.19																							
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	B	12	1	8.20	8.21	29.72	29.74	26.89	26.89	70.7	70.9	4.76	4.77	2.7	2.7	2.7	0.85	0.85	0.85	0.066	0.066	0.066	0.85	0.21	0.07	1.13	1.12	
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	B	12	2	8.21	8.21	29.76	29.74	26.88	26.89	71.0	70.9	4.78	4.77	2.6	2.7	2.7	0.84	0.85	0.85	0.065	0.066	0.066	0.84	0.20	0.07	1.11	1.12	
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	B	12	3		8.21																							
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	S	1	1	8.21	8.21	26.54	26.56	28.62	28.62	77.9	78.0	5.24	5.25	1.2	1.3	1.8	NA	NA	NA	NA	NA	NA	0.24	0.35	0.09	0.68	0.67	
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	S	1	2	8.20	8.21	26.57	26.56	28.61	28.62	78.1	78.0	5.26	5.25	1.3	1.3	1.8	NA	NA	NA	NA	NA	NA	0.24	0.35	0.09	0.68	0.67	
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	S	1	3		8.21																							
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	M	6	1	8.23	8.23	26.89	26.90	28.50	28.48	72.4	72.5	4.87	4.88	1.7	1.8	1.8	NA	NA	NA	NA	NA	NA	0.21	0.34	0.08	0.65	0.63	
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	M	6	2	8.22	8.23	26.90	26.90	28.48	28.49	72.6	72.5	4.88	4.88	1.9	1.8	1.8	NA	NA	NA	NA	NA	NA	0.21	0.34	0.08	0.63	0.63	
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	M	6	3		8.23																							
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	B	11	1	8.24	8.24	27.28	27.30	28.33	28.34	68.0	67.9	4.57	4.57	2.4	2.5	2.5	NA	NA	NA	NA	NA	NA	0.21	0.35	0.09	0.65	0.66	
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	B	11	2	8.23	8.24	27.31	27.30	28.34	28.34	67.8	67.9	4.56	4.57	2.5	2.5	2.5	NA	NA	NA	NA	NA	NA	0.21	0.36	0.08	0.65	0.66	
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	B	11	3		8.24																							
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	S	1	1	8.17	8.17	26.31	26.33	28.46	28.46	82.4	82.5	5.54	5.55	1.1	1.3	1.2	0.23	0.23	0.23	0.019	0.019	0.019	NA	NA	NA	NA	NA	
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	S	1	2	8.16	8.17	26.34	26.33	28.46	28.46	82.6	82.5	5.55	5.55	1.3	1.3	1.2	0.23	0.23	0.23	0.019	0.019	0.019	NA	NA	NA	NA	NA	
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	S	1	3		8.17																							
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	M	4.5	1	8.17	8.18	26.80	26.78	28.22	28.23	78.0	77.9	5.25	5.24	1.8	1.9	1.9	0.24	0.24	0.24	0.019	0.019	0.019	NA	NA	NA	NA	NA	
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	M	4.5	2	8.18	8.18	26.75	26.78	28.23	28.23	77.7	77.9	5.22	5.24	1.9	1.9	1.9	0.24	0.24	0.24	0.019	0.019	0.019	NA	NA	NA	NA	NA	
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	M	4.5	3		8.18																							
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	B	8	1	8.18	8.19	27.10	27.09	28.18	28.18	72.4	72.6	4.87	4.88	2.3	2.4	2.4	0.25	0.25	0.25	0.021	0.021	0.021	NA	NA	NA	NA	NA	
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	B	8	2	8.19	8.19	27.07	27.09	28.17	28.18	72.7	72.6	4.89	4.88	2.5	2.4	2.4	0.25	0.25	0.25	0.021	0.021	0.021	NA	NA	NA	NA	NA	
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	B	8	3		8.19																							
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	S	1	1	8.23	8.24	26.74	26.76	28.11	28.11	79.4	79.6	5.34	5.37	0.9	1.0	1.0	0.22	0.22	0.22	0.020	0.020	0.020	NA	NA	NA	NA	NA	
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	S	1	2	8.24	8.24	26.78	26.76	28.10	28.11	79.8	79.6	5.37	5.36	1.0	1.0	1.0	0.22	0.22	0.22	0.020	0.020	0.020	NA	NA	NA	NA	NA	
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	S	1	3		8.24																							
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	M	4	1	8.24	8.24	26.93	26.95	28.00	28.01	76.0	75.9	5.11	5.11	1.8	1.6	1.6	0.21	0.21	0.21	0.019	0.019	0.019	NA	NA	NA	NA	NA	
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	M	4	2	8.23	8.24	26.96	26.95	28.01	28.01	75.8	75.9	5.10	5.11	1.6	1.7	1.6	0.21	0.21	0.21	0.019	0.019	0.019	NA	NA	NA	NA	NA	
SR3	22/8/2019	Mid-Flood	Fine	Moderate</																														

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	S	1	1	4	0.23	0.23	0.23	0.020	0.020	0.020	0.23	0.32	0.09	0.64	3	4	4	NA	NA	NA	<1						
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	S	1	2	3	0.23	0.23	0.23	0.020	0.020	0.020	0.23	0.34	0.09	0.66	5	4	4	NA	NA	NA	<1	1					
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	S	1	3	3	0.25	0.24	0.25	0.022	0.020	0.020	0.24	0.34	0.09	0.67	4	3	4	NA	NA	NA	<1						
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	M	14	1	3	0.22	0.24	0.22	0.019	0.020	0.020	0.22	0.35	0.09	0.66	3	3	4	NA	NA	NA	<1	1	1				
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	M	14	3	3	0.23	0.24	0.23	0.021	0.021	0.021	0.23	0.35	0.09	0.67	6	5	4	NA	NA	NA	<1						
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	B	27	1	3	0.24	0.24	0.24	0.022	0.021	0.021	0.24	0.35	0.09	0.68	4	5	4	NA	NA	NA	<1	1					
C1A	22/8/2019	Mid-Flood	Fine	Moderate	12:55	28	B	27	3	3	0.23	0.24	0.23	0.021	0.021	0.021	0.23	0.35	0.09	0.67	4	5	4	NA	NA	NA	<1	1					
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	S	1	1	6	0.8	0.81	0.8	0.059	0.060	0.060	0.8	0.21	0.06	1.07	68	101	90	NA	NA	NA	2	3	2				
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	S	1	2	6	0.81	0.81	0.81	0.060	0.060	0.060	0.81	0.21	0.06	1.08	150	101	90	NA	NA	NA	3	2					
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	S	1	3	3	0.84	0.84	0.84	0.063	0.063	0.063	0.83	0.21	0.06	1.10	89	85	90	NA	NA	NA	2						
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	M	6.5	1	5	0.84	0.84	0.84	0.063	0.063	0.063	0.84	0.21	0.06	1.11	82	85	90	NA	NA	NA	2	2	2				
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	M	6.5	2	5	0.84	0.84	0.84	0.063	0.063	0.063	0.84	0.21	0.06	1.11	82	85	90	NA	NA	NA	2	2	2				
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	M	6.5	3	3	0.86	0.85	0.86	0.067	0.066	0.066	0.86	0.21	0.06	1.13	90	84	90	NA	NA	NA	3	3					
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	B	12	1	4	0.84	0.85	0.84	0.065	0.066	0.066	0.84	0.21	0.06	1.11	79	84	90	NA	NA	NA	3	3					
C2A	22/8/2019	Mid-Flood	Fine	Moderate	10:30	13	B	12	3	3	0.84	0.85	0.84	0.065	0.066	0.066	0.84	0.21	0.06	1.11	79	84	90	NA	NA	NA	3	3					
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	S	1	1	5	NA	NA	NA	NA	NA	NA	0.23	0.35	0.09	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	S	1	2	5	NA	NA	NA	NA	NA	NA	0.22	0.35	0.09	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	S	1	3	3	NA	NA	NA	NA	NA	NA	0.22	0.36	0.09	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	M	6	1	5	NA	NA	NA	NA	NA	NA	0.21	0.35	0.09	0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	M	6	2	5	NA	NA	NA	NA	NA	NA	0.21	0.35	0.09	0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	M	6	3	3	NA	NA	NA	NA	NA	NA	0.23	0.36	0.09	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	B	11	1	5	NA	NA	NA	NA	NA	NA	0.24	0.39	0.07	0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	B	11	2	6	NA	NA	NA	NA	NA	NA	0.23	0.36	0.09	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	22/8/2019	Mid-Flood	Fine	Moderate	11:58	12	B	11	3	3	NA	NA	NA	NA	NA	NA	0.26	0.37	0.1	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	S	1	1	4	0.23	0.23	0.23	0.019	0.018	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	S	1	2	4	0.22	0.23	0.22	0.018	0.018	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	S	1	3	3	0.25	0.24	0.25	0.020	0.019	0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	M	4.5	1	5	0.22	0.22	0.22	0.018	0.018	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	M	4.5	2	5	0.25	0.24	0.25	0.020	0.019	0.019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	M	4.5	3	3	0.22	0.22	0.22	0.018	0.018	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	B	8	1	5	0.21	0.22	0.21	0.017	0.018	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	B	8	2	5	0.22	0.22	0.22	0.018	0.018	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	22/8/2019	Mid-Flood	Fine	Moderate	12:16	9	B	8	3	3	0.21	0.22	0.21	0.017	0.018	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	S	1	1	5	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	S	1	2	4	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	S	1	3	3	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	M	4	1	5	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	M	4	2	5	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	M	4	3	3	0.23	0.23	0.23	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	B	7	1	5	0.24	0.23	0.24	0.022	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	B	7	2	6	0.21	0.23	0.21	0.019	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR3	22/8/2019	Mid-Flood	Fine	Moderate	11:40	8	B	7	3	3	0.21	0.23	0.21	0.019	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	22/8/2019	Mid-Flood	Fine	Moderate	11:30	4	S	1	1	4	0.23	0.23	0.16	0.020	0.020	0.020	0.020	NA	NA	NA	NA	NA	69	44	55	NA	NA	NA	2	1	1		
SR4	22/8/2019	Mid-Flood	Fine	Moderate	11:30	4	S	1	2	4	0.23	0.23	0.16	0.020	0.020	0.020	0.020	NA	NA	NA	NA	NA	44	55	51	NA	NA	NA	<1	1	1		
SR4	22/8/2019	Mid-Flood	Fine	Moderate	11:30	4	S	1	3	4	0.23	0.23	0.16	0.020	0.020	0.020	0.020	NA	NA	NA	NA	NA	44	55	51	NA	NA	NA	<1	1	1		
SR4	22/8/2019	Mid-Flood	Fine	Moderate	11:30	4	M	1	1	4	0.23	0.23	0.16	0.020	0.020	0.020	0.020	NA	NA	NA	NA	NA	44	55	51	NA	NA	NA	<1	1	1		
SR4	22/8/2019	Mid-Flood	Fine	Moderate	11:30	4	M	2	2	4	0.23	0.23	0.16	0.020	0.020	0.020	0.020	NA	NA	NA	NA	NA	44	55	51	NA	NA	NA	<1	1	1		
SR4	22/8/2019	Mid-Flood	Fine	Moderate	11:30	4	M	3	3	4	0.23	0.23	0.16	0.020	0.020	0.020	0.020	NA	NA	NA	NA	NA	44	55	51	NA	NA	NA	<1	1	1		
SR4	22/8/2019	Mid-Flood	Fine	Moderate	11:30	4	B	3	1	5	0.23	0.23	0.16	0.021	0.021	0.021	0.021	NA	NA	NA	NA	NA	26	86	47	NA	NA	NA	1	1	1		
SR4	22/8/2019	Mid-Flood	Fine	Moderate	11:30	4	B	3	2	5	0.24	0.24	0.16	0.021	0.021	0.021	0.021	NA	NA	NA	NA	NA	86	47	51	NA	NA	NA	1	1	1		
SR4	22/8/2019	Mid-Flood	Fine	Moderate	11:30	4	B	3	3	4	0.24	0.24	0.16	0.021	0.021	0.021	0.021	NA	NA	NA	NA	NA	86	47	51	NA	NA	NA	1	1	1		
SR5	22/8/2019	Mid-Flood	Fine	Moderate	12:34	11	S	1	1	4	NA	NA	NA	NA	NA	NA	NA	0.23	0.35	0.09	0.67	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Flood	Fine	Moderate	12:34	11	S	1	2	5	NA	NA	NA	NA	NA	NA	NA	0.23	0.34	0.09	0.66	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Flood	Fine	Moderate	12:34	11	S	1	3	4	NA	NA	NA	NA	NA	NA	NA	0.23	0.35	0.09	0.67	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Flood	Fine	Moderate	12:34	11	M	5.5	1	4	NA	NA	NA	NA	NA	NA	NA	0.23	0.35	0.09	0.67	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Flood	Fine	Moderate	12:34	11	M	5.5	2	4	NA	NA	NA	NA	NA	NA	NA	0.25	0.35	0.09	0.69	0.68	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	22/8/2019	Mid-Flood	Fine	Moderate	12:34	11	M	5.5	3	4	NA	NA	NA	NA	NA	NA	NA	0.23	0.35	0.09	0.67	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	22/8/2019	Mid-Flood	Fine	Moderate	12:34	11	B	10	1	3	NA	NA	NA	NA	NA	NA	NA	0.23	0.35	0.09	0.67	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	22/8/2019	Mid-Flood	Fine	Moderate	12:34	11	B	10	2	4	NA	NA	NA	NA	NA	NA	NA	0.23	0.36	0.09	0.68	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	22/8/2019	Mid-Flood	Fine	Moderate	12:34	11	B	10	3	4	NA	NA	NA	NA	NA	NA	NA	0.23	0.34	0.09	0.66	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	22/8/2019	Mid-Flood	Fine	Moderate	11:16	15	S	1	1	4	0.23	0.29	0.31	0.019	0.028	0.023	0.026	NA	NA	NA	NA	NA	100	76	87	NA	NA	NA	2	2	2		
SR12	22/8/2019	Mid-Flood	Fine	Moderate	11:16	15	S	1	2	4	0.34	0.29	0.31	0.028	0.028	0.023	0.026	NA	NA	NA	NA	NA	76	87	77	NA	NA	NA	2	2	2		
SR12	22/8/2019	Mid-Flood	Fine	Moderate	11:16	15	S	1	3	4	0.33	0.34	0.31	0.028	0.029	0.028	0.026	NA	NA	NA	NA	NA	58	110	80	NA	NA	NA	2	2	2		
SR12	22/8/2019	Mid-Flood	Fine	Moderate	11:16	15	M	7.5	1	5	0.33	0.34	0.31	0.028	0.029	0.028	0.026	NA	NA	NA	NA	NA	58	110	80	NA	NA	NA	2	2	2		
SR12	22/8/2019	Mid-Flood	Fine	Moderate	11:16	15	M	7.5	3	4	0.33	0.34	0.31	0.028	0.029	0.028	0.026	NA	NA	NA	NA	NA	58	110	80	NA	NA	NA	2	2	2		
SR12	22/8/2019	Mid-Flood	Fine	Moderate	11:16	15	B	14	1	5	0.35	0.30	0.30	0.030	0.020	0.025	0.025	NA	NA	NA	NA	NA	67	64	65	NA	NA	NA	2	2	2		
SR12	22/8/2019	Mid-Flood	Fine	Moderate	11:16	15	B	14	2	5	0.24	0.30	0.30	0.020	0.020	0.025	0.025	NA	NA	NA	NA	NA	64	65	65	NA	NA	NA	2	2	2		
SR12	22/8/2019	Mid-Flood	Fine	Moderate	11:16	15	B	14	3	4	0.24	0.30	0.30	0.020	0.020	0.025	0.025	NA	NA	NA	NA	NA	64	65	65	NA	NA	NA	2	2	2		
SR13	22/8/2019	Mid-Flood	Fine	Moderate	10:53	14	S	1	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Flood	Fine	Moderate	10:53	14	S	1	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Flood	Fine	Moderate	10:53	14	S	1	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Flood	Fine	Moderate	10:53	14	M	7	1	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Flood	Fine	Moderate	10:53	14	M	7	2	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Flood	Fine	Moderate	10:53	14	M	7	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Flood	Fine	Moderate	10:53	14	B	13	1	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Flood	Fine	Moderate	10:53	14	B	13	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Flood	Fine	Moderate	10:53	14	B	13	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

Impact Monitoring Data

Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	In-situ Measurement																									
										pH		Salinity (ppt)		Temperature (degree C)		DO Saturation (%)		DO (mg/L)			Turbidity (NTU)			Ammonia (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrite (mg/L-N)	TIN-Nitrate (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)		
										Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	S & M	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	S	1	1	8.20	8.20	28.98	28.98	29.02	29.02	82.3	82.3	5.65	5.65	5.33	1.6	1.6	0.20	0.20	0.018	0.018	0.20	0.35	0.10	0.65	0.64				
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	S	1	2	8.19	8.20	28.94	28.96	29.01	29.02	82.6	82.5	5.66	5.66	5.33	1.9	1.8	0.22	0.21	0.019	0.018	0.22	0.33	0.10	0.65	0.64				
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	S	1	3											5.33	2.6	2.6	0.23	0.21	0.021	0.020	0.23	0.31	0.08	0.62	0.61				
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	M	14	1	8.23	8.24	29.36	29.39	28.64	28.65	72.9	72.8	5.01	5.00	5.33	2.6	2.6	0.23	0.21	0.021	0.020	0.23	0.31	0.08	0.62	0.61				
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	M	14	2	8.24	8.24	29.41	29.39	28.65	28.65	72.7	72.8	4.99	5.00	5.33	2.5	2.6	0.20	0.22	0.019	0.020	0.20	0.31	0.12	0.63	0.61				
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	M	14	3											5.33	3.3	3.3	0.21	0.21	0.020	0.020	0.21	0.32	0.08	0.61	0.63				
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	B	27	1	8.28	8.28	29.96	29.95	28.13	28.13	64.8	65.0	4.45	4.47	5.33	3.4	3.4	0.21	0.21	0.020	0.020	0.21	0.34	0.09	0.64	0.63				
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	B	27	2	8.27	8.28	29.93	29.95	28.12	28.13	65.2	65.0	4.49	4.47	5.33	3.4	3.4	0.21	0.21	0.020	0.020	0.21	0.34	0.09	0.64	0.63				
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	B	27	3											5.33	3.4	3.4	0.21	0.21	0.020	0.020	0.21	0.34	0.09	0.64	0.63				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	S	1	1	8.22	8.23	28.63	28.65	29.26	29.26	80.4	80.3	5.43	5.42	5.30	1.7	1.8	0.80	0.75	0.076	0.074	0.80	0.20	0.06	1.06	1.02				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	S	1	2	8.23	8.23	28.63	28.65	29.25	29.26	80.1	80.3	5.41	5.42	5.30	1.9	1.8	0.75	0.78	0.074	0.074	0.75	0.19	0.06	1.00	1.02				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	S	1	3											5.30	2.4	2.4	0.75	0.76	0.073	0.074	0.75	0.18	0.05	0.98	1.01				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	M	6.5	1	8.25	8.25	29.04	29.07	29.00	28.99	76.7	76.6	5.18	5.18	5.30	2.4	2.4	0.75	0.76	0.073	0.074	0.75	0.18	0.05	0.98	1.01				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	M	6.5	2	8.24	8.25	29.10	29.07	28.98	28.99	76.5	76.6	5.17	5.18	5.30	2.3	2.4	0.76	0.76	0.074	0.073	0.76	0.18	0.06	1.00	1.01				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	M	6.5	3											5.30	2.3	2.4	0.76	0.76	0.074	0.073	0.76	0.18	0.06	1.00	1.01				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	B	12	1	8.28	8.28	29.46	29.44	28.46	28.46	72.4	72.6	4.89	4.90	5.30	2.9	3.0	0.82	0.81	0.082	0.081	0.82	0.19	0.05	1.06	1.05				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	B	12	2	8.27	8.28	29.41	29.44	28.46	28.46	72.7	72.6	4.91	4.90	5.30	3.0	3.0	0.81	0.81	0.081	0.081	0.81	0.20	0.05	1.06	1.05				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	B	12	3											5.30	3.0	3.0	0.81	0.81	0.081	0.081	0.81	0.19	0.05	1.04	1.05				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	S	1	1	8.23	8.24	27.16	27.15	28.81	28.81	78.4	78.6	5.31	5.32	5.14	1.0	1.1	NA	NA	NA	NA	NA	NA	NA	NA	0.65				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	S	1	2	8.24	8.24	27.14	27.15	28.80	28.81	78.7	78.6	5.33	5.32	5.14	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.65			
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	S	1	3											5.14	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA	0.65				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	M	6	1	8.24	8.25	27.43	27.42	28.64	28.65	73.2	73.1	4.96	4.95	5.14	1.6	1.7	NA	NA	NA	NA	NA	NA	NA	NA	0.64				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	M	6	2	8.25	8.25	27.41	27.42	28.65	28.65	72.9	73.1	4.94	4.95	5.14	1.7	1.7	NA	NA	NA	NA	NA	NA	NA	NA	0.64				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	M	6	3											5.14	1.7	1.7	NA	NA	NA	NA	NA	NA	NA	NA	0.64				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	B	11	1	8.26	8.26	27.88	27.87	28.55	28.55	67.3	67.4	4.56	4.57	5.14	2.7	2.8	NA	NA	NA	NA	NA	NA	NA	NA	0.67				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	B	11	2	8.25	8.26	27.85	27.87	28.54	28.55	67.4	67.4	4.57	4.57	5.14	2.9	2.8	NA	NA	NA	NA	NA	NA	NA	NA	0.67				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	B	11	3											5.14	2.7	2.8	NA	NA	NA	NA	NA	NA	NA	NA	0.67				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	S	1	1	8.24	8.24	27.03	27.01	28.47	28.47	81.3	81.5	5.49	5.50	5.31	0.9	1.0	0.20	0.20	0.019	0.019	0.20	0.35	0.09	0.68	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	S	1	2	8.23	8.24	26.99	27.01	28.47	28.47	81.6	81.5	5.51	5.50	5.31	1.0	1.0	0.20	0.20	0.019	0.019	0.20	0.35	0.09	0.68	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	S	1	3											5.31	1.0	1.0	0.20	0.20	0.019	0.019	0.20	0.35	0.09	0.68	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	M	4.5	1	8.24	8.24	27.32	27.34	28.39	28.39	76.2	76.0	5.14	5.13	5.31	1.6	1.7	0.21	0.21	0.020	0.020	0.20	0.35	0.09	0.68	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	M	4.5	2	8.24	8.24	27.36	27.34	28.38	28.39	75.8	76.0	5.11	5.13	5.31	1.7	1.7	0.21	0.21	0.020	0.020	0.20	0.35	0.09	0.68	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	M	4.5	3											5.31	1.7	1.7	0.21	0.21	0.020	0.020	0.20	0.35	0.09	0.68	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	B	8	1	8.25	8.25	27.77	27.75	28.26	28.27	71.1	71.3	4.80	4.82	5.31	2.1	2.2	0.23	0.24	0.022	0.022	0.23	0.36	0.08	0.68	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	B	8	2	8.24	8.25	27.73	27.75	28.27	28.27	71.4	71.3	4.83	4.82	5.31	2.2	2.2	0.24	0.24	0.022	0.022	0.24	0.36	0.08	0.68	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	B	8	3											5.31	2.2	2.2	0.24	0.24	0.022	0.022	0.24	0.36	0.08	0.68	NA				
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	S	1	1	8.25	8.26	26.89	26.91	28.90	28.90	80.1	80.0	5.46	5.45	5.30	1.1	1.2	0.20	0.21	0.020	0.021	0.20	0.35	0.09	0.68	NA				
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	S	1	2	8.26	8.26	26.92	26.91	28.89	28.90	79.8	80.0	5.44	5.45	5.30	1.2	1.2	0.21	0.21	0.021	0.021	0.21	0.35	0.09	0.68	NA				
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	S	1	3											5.30	1.2	1.2	0.21	0.21	0.021	0.021	0.21	0.35	0.09	0.68	NA				
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	M	4	1	8.26	8.27	27.23	27.25	28.80	28.80	75.5	75.6	5.15	5.16	5.30	1.7	1.8	0.21	0.21	0.021	0.021	0.21	0.35	0.09	0.68	NA				
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	M	4</																											

Impact Monitoring Data

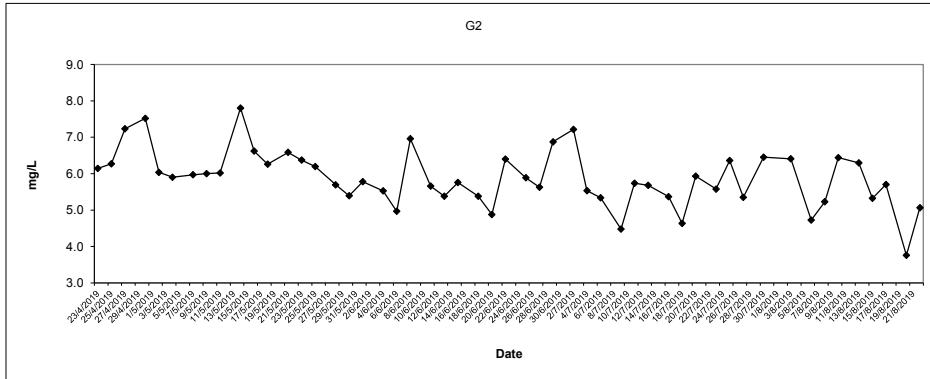
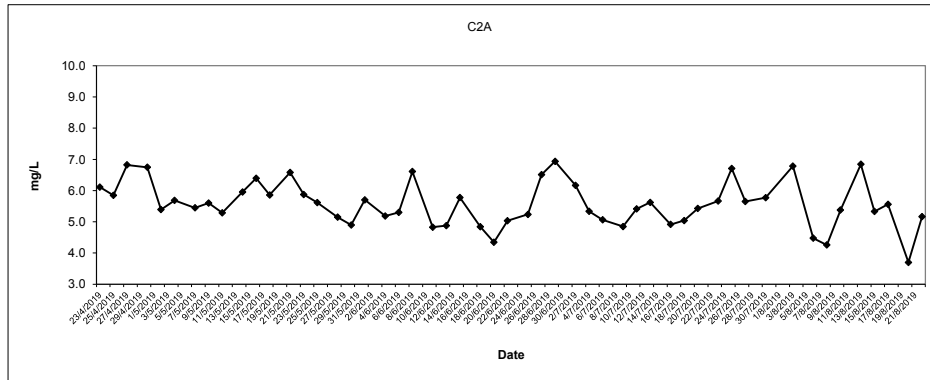
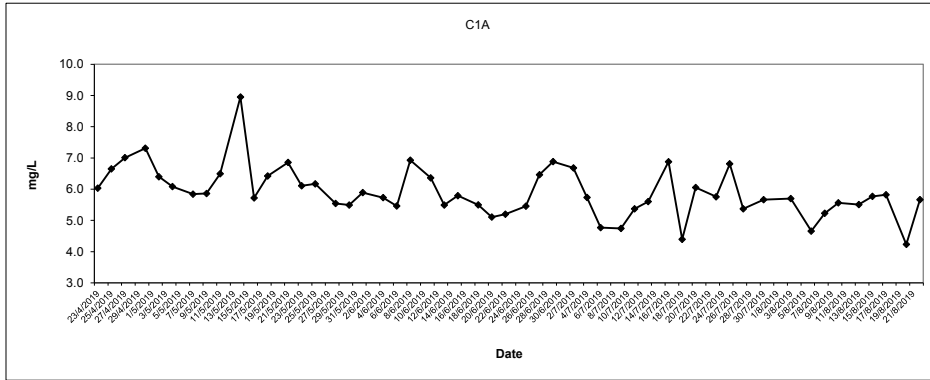
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	S	1	1	3	0.22			0.019			0.22	0.33	0.09	0.64				NA			<1						
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	S	1	2	3	0.22	0.22		0.019	0.019		0.22	0.34	0.09	0.65	0.65			3	3		NA	NA	<1	1			
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	S	1	3							0.23	0.35	0.09	0.67				NA	NA									
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	M	14	1	3	0.23			0.021			0.23	0.35	0.09	0.67				NA	NA		<1						
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	M	14	2	4	0.22	0.23	0.23	0.020	0.021	0.021	0.22	0.34	0.09	0.65	0.66			2	4	4	NA	NA	<1	1			
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	M	14	3							0.23	0.35	0.09	0.67				NA	NA									
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	B	27	1	3	0.23			0.022			0.23	0.35	0.09	0.67				NA	NA		<1						
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	B	27	2	3	0.23	0.23		0.022	0.022		0.23	0.35	0.1	0.68	0.68			8	6		NA	NA	<1	1			
C1A	22/8/2019	Mid-Ebb	Fine	Moderate	13:25	28	B	27	3							0.24	0.35	0.09	0.68				NA	NA									
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	S	1	1	6	0.82	0.84		0.078			0.82	0.2	0.06	1.08	1.10			160	160		NA	NA	2				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	S	1	2	5	0.85	0.84		0.081	0.079		0.85	0.21	0.06	1.12	1.10			160	160		NA	NA	2	2			
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	S	1	3							0.84	0.21	0.06	1.11				NA	NA									
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	M	6.5	1	6	0.85			0.083			0.85	0.21	0.06	1.12				80			NA	NA	2				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	M	6.5	2	6	0.82	0.84	0.84	0.080	0.081	0.082	0.82	0.21	0.06	1.09	1.10	1.10		200	126	138	NA	NA	2	2			
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	M	6.5	3							0.82	0.21	0.06	1.09				NA	NA									
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	B	12	1	6	0.84			0.084			0.84	0.21	0.06	1.11	1.10			95			NA	NA	2				
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	B	12	2	6	0.85	0.85		0.085	0.084		0.85	0.2	0.06	1.11	1.10			180	131		NA	NA	2	2			
C2A	22/8/2019	Mid-Ebb	Fine	Moderate	15:52	13	B	12	3							0.8	0.21	0.06	1.07				NA	NA									
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	S	1	1	5	NA	NA		NA	NA		0.23	0.33	0.1	0.66	0.66			NA	NA		NA	NA	NA				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	S	1	2	5	NA	NA		NA	NA		0.24	0.35	0.09	0.68	0.66			NA	NA		NA	NA	NA				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	S	1	3							0.22	0.34	0.09	0.65				NA	NA									
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	M	6	1	10	NA	NA		NA	NA		0.25	0.35	0.09	0.69	0.68			NA	NA		NA	NA	NA				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	M	6	2	10	NA	NA		NA	NA		0.23	0.36	0.09	0.68	0.68			NA	NA		NA	NA	NA				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	M	6	3							0.23	0.36	0.09	0.68				NA	NA									
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	B	11	1	9	NA	NA		NA	NA		0.22	0.35	0.09	0.66	0.67			NA	NA		NA	NA	NA				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	B	11	2	8	NA	NA		NA	NA		0.23	0.35	0.09	0.67	0.67			NA	NA		NA	NA	NA				
G2	22/8/2019	Mid-Ebb	Fine	Moderate	14:23	12	B	11	3							0.24	0.35	0.09	0.68				NA	NA									
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	S	1	1	6	0.21	0.21		0.020	0.020		NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	S	1	2	6	0.21			0.020	0.020		NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	S	1	3							NA	NA	NA	NA	NA				NA	NA								
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	M	4.5	1	7	0.23			0.022			NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	M	4.5	2	8	0.22	0.23	0.22	0.021	0.021	0.021	NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	M	4.5	3							NA	NA	NA	NA	NA				NA	NA								
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	B	8	1	9	0.23			0.022			NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	B	8	2	10	0.24	0.24		0.022	0.022		NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR2	22/8/2019	Mid-Ebb	Fine	Moderate	14:05	9	B	8	3							NA	NA	NA	NA	NA				NA	NA								
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	S	1	1	9	0.24	0.22		0.024	0.022		NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	S	1	2	9	0.2			0.020	0.022		NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	S	1	3							NA	NA	NA	NA	NA				NA	NA								
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	M	4	1	9	0.23			0.023			NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	M	4	2	10	0.23	0.23	0.23	0.023	0.023	0.023	NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	M	4	3							NA	NA	NA	NA	NA				NA	NA								
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	B	7	1	7	0.21			0.022			NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	B	7	2	6	0.22	0.22		0.023	0.022		NA	NA	NA	NA	NA			NA	NA		NA	NA	NA				
SR3	22/8/2019	Mid-Ebb	Fine	Moderate	14:40	8	B	7	3							NA	NA	NA	NA	NA				NA	NA								

Impact Monitoring Data

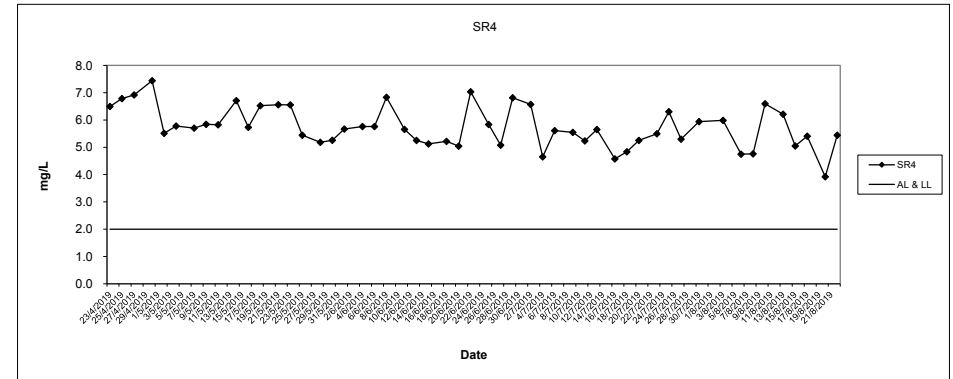
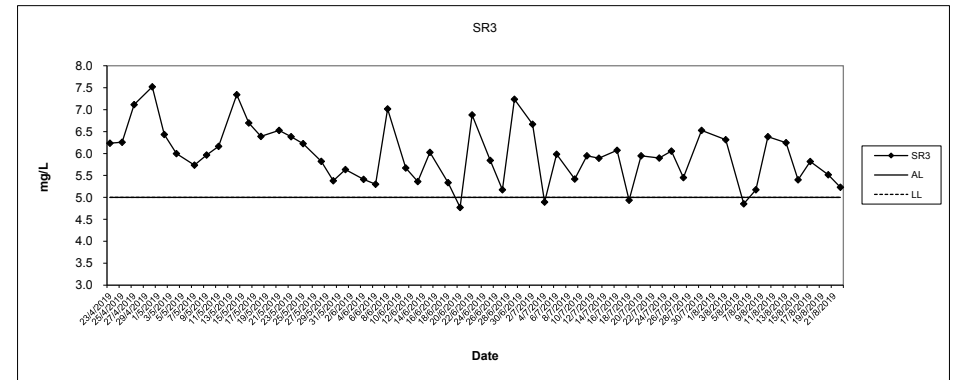
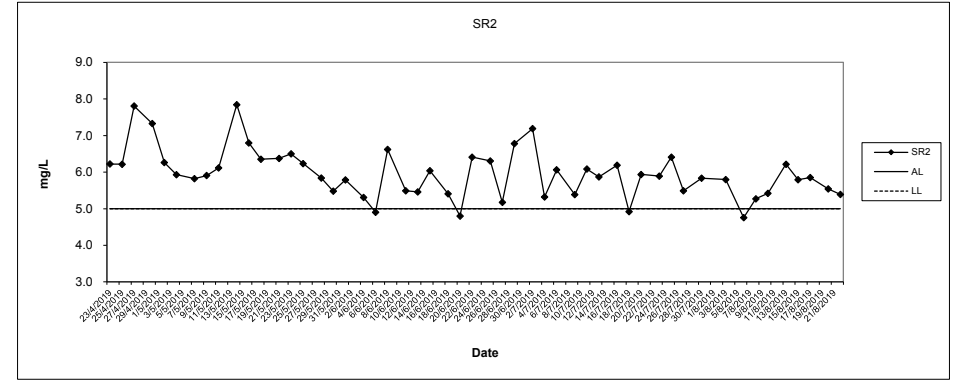
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD ₅ (mg/L)		
										Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.
SR4	22/8/2019	Mid-Ebb	Fine	Moderate	14:57	4	S	1	1	5	0.22	0.22	0.021	0.020	0.021	0.021	NA	NA	NA	NA	NA	NA	140	159	108	NA	NA	NA	2	2	1		
SR4	22/8/2019	Mid-Ebb	Fine	Moderate	14:57	4	S	1	2	4	0.21	0.22	0.020	0.020	0.020	0.020	NA	NA	NA	NA	NA	NA	180	159	108	NA	NA	NA	2	2	1		
SR4	22/8/2019	Mid-Ebb	Fine	Moderate	14:57	4	S	1	3	3	0.22	0.22	0.021	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	108	NA	NA	NA	NA	1	1		
SR4	22/8/2019	Mid-Ebb	Fine	Moderate	14:57	4	M	1	1	1	0.22	0.22	0.021	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	108	NA	NA	NA	NA	1	1		
SR4	22/8/2019	Mid-Ebb	Fine	Moderate	14:57	4	M	2	2	2	0.22	0.22	0.021	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	108	NA	NA	NA	NA	1	1		
SR4	22/8/2019	Mid-Ebb	Fine	Moderate	14:57	4	M	3	3	3	0.22	0.22	0.021	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	NA	108	NA	NA	NA	NA	1	1		
SR4	22/8/2019	Mid-Ebb	Fine	Moderate	14:57	4	B	3	1	5	0.22	0.22	0.021	0.021	0.021	0.021	NA	NA	NA	NA	NA	45	73	108	NA	NA	NA	1	2	2			
SR4	22/8/2019	Mid-Ebb	Fine	Moderate	14:57	4	B	3	2	4	0.22	0.22	0.021	0.021	0.021	0.021	NA	NA	NA	NA	NA	120	73	108	NA	NA	NA	<1	2	2			
SR4	22/8/2019	Mid-Ebb	Fine	Moderate	14:57	4	B	3	3	3	0.22	0.22	0.021	0.021	0.021	0.021	NA	NA	NA	NA	NA	NA	NA	108	NA	NA	NA	NA	2	2	2		
SR5	22/8/2019	Mid-Ebb	Fine	Moderate	13:44	11	S	1	1	7	NA	NA	NA	NA	NA	NA	0.23	0.34	0.09	0.66	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Ebb	Fine	Moderate	13:44	11	S	1	2	7	NA	NA	NA	NA	NA	NA	0.23	0.34	0.09	0.66	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Ebb	Fine	Moderate	13:44	11	S	1	3	3	NA	NA	NA	NA	NA	NA	0.23	0.34	0.09	0.66	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Ebb	Fine	Moderate	13:44	11	M	5.5	1	8	NA	NA	NA	NA	NA	NA	0.22	0.33	0.09	0.64	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Ebb	Fine	Moderate	13:44	11	M	5.5	2	7	NA	NA	NA	NA	NA	NA	0.23	0.35	0.09	0.67	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Ebb	Fine	Moderate	13:44	11	M	5.5	3	3	NA	NA	NA	NA	NA	NA	0.22	0.35	0.09	0.66	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Ebb	Fine	Moderate	13:44	11	B	10	1	7	NA	NA	NA	NA	NA	NA	0.22	0.34	0.09	0.65	0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Ebb	Fine	Moderate	13:44	11	B	10	2	8	NA	NA	NA	NA	NA	NA	0.23	0.33	0.09	0.65	0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2019	Mid-Ebb	Fine	Moderate	13:44	11	B	10	3	3	NA	NA	NA	NA	NA	NA	0.23	0.34	0.09	0.66	0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR12	22/8/2019	Mid-Ebb	Fine	Moderate	15:07	15	S	1	1	5	0.22	0.24	0.020	0.022	0.020	0.029	NA	NA	NA	NA	NA	110	128	79	NA	NA	NA	2	2	2			
SR12	22/8/2019	Mid-Ebb	Fine	Moderate	15:07	15	S	1	2	5	0.26	0.24	0.024	0.022	0.024	0.029	NA	NA	NA	NA	NA	150	128	79	NA	NA	NA	2	2	2			
SR12	22/8/2019	Mid-Ebb	Fine	Moderate	15:07	15	S	1	3	3	0.34	0.34	0.032	0.032	0.032	0.029	NA	NA	NA	NA	NA	NA	NA	79	NA	NA	2	2	2				
SR12	22/8/2019	Mid-Ebb	Fine	Moderate	15:07	15	M	7.5	1	6	0.34	0.34	0.032	0.032	0.032	0.029	NA	NA	NA	NA	NA	120	50	79	NA	NA	NA	2	2	2			
SR12	22/8/2019	Mid-Ebb	Fine	Moderate	15:07	15	M	7.5	2	7	0.34	0.34	0.032	0.032	0.032	0.029	NA	NA	NA	NA	NA	21	50	79	NA	NA	NA	2	2	2			
SR12	22/8/2019	Mid-Ebb	Fine	Moderate	15:07	15	M	7.5	3	3	0.34	0.34	0.032	0.032	0.032	0.029	NA	NA	NA	NA	NA	NA	NA	79	NA	NA	2	2	2				
SR12	22/8/2019	Mid-Ebb	Fine	Moderate	15:07	15	B	14	1	6	0.34	0.33	0.033	0.032	0.033	0.032	NA	NA	NA	NA	NA	58	76	79	NA	NA	NA	2	2	2			
SR12	22/8/2019	Mid-Ebb	Fine	Moderate	15:07	15	B	14	2	6	0.32	0.33	0.031	0.032	0.031	0.032	NA	NA	NA	NA	NA	100	76	79	NA	NA	NA	2	2	2			
SR12	22/8/2019	Mid-Ebb	Fine	Moderate	15:07	15	B	14	3	3	0.32	0.33	0.031	0.032	0.031	0.032	NA	NA	NA	NA	NA	NA	NA	79	NA	NA	2	2	2				
SR13	22/8/2019	Mid-Ebb	Fine	Moderate	15:29	14	S	1	1	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Ebb	Fine	Moderate	15:29	14	S	1	2	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Ebb	Fine	Moderate	15:29	14	S	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Ebb	Fine	Moderate	15:29	14	M	7	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Ebb	Fine	Moderate	15:29	14	M	7	2	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Ebb	Fine	Moderate	15:29	14	M	7	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Ebb	Fine	Moderate	15:29	14	B	13	1	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Ebb	Fine	Moderate	15:29	14	B	13	2	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2019	Mid-Ebb	Fine	Moderate	15:29	14	B	13	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

Note: 1. Depth Ave.: (Except E.coli) "Depth-averaged" is calculated by taking the arithmetic means for the reading of the surface, middle and bottom depths
 2. ND: Not Detected
 3. Depth Averaged of E.coli is calculated by taking geometric mean of the readings of the surface, middle and bottom, all ND sample results (<1) for E.coli is regarded as 1 in calculating the geometric mean.

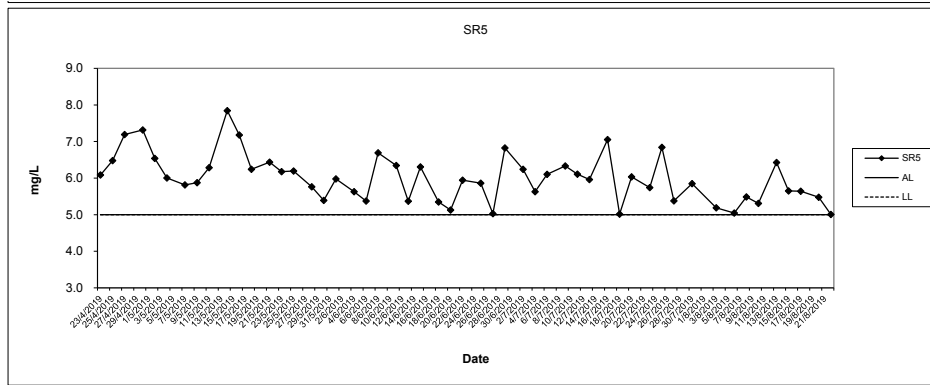
Dissolved Oxygen (Surface and Middle) at Mid-Flood Tide



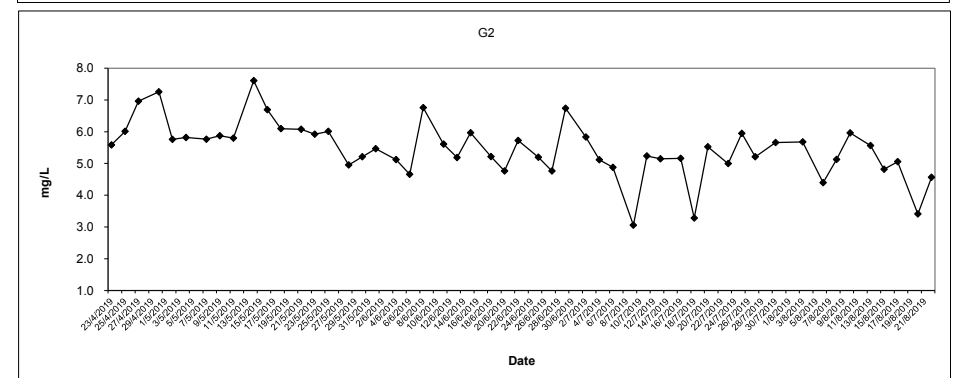
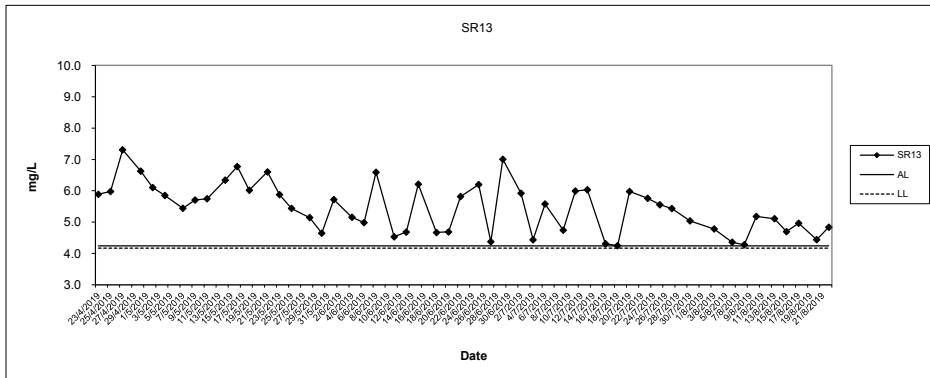
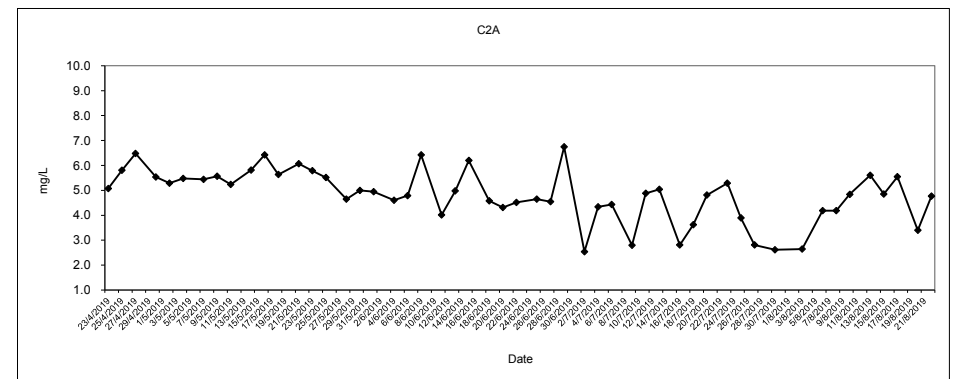
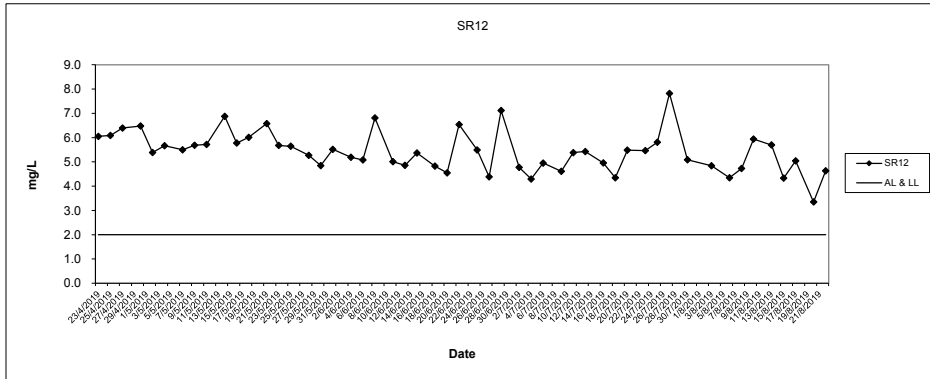
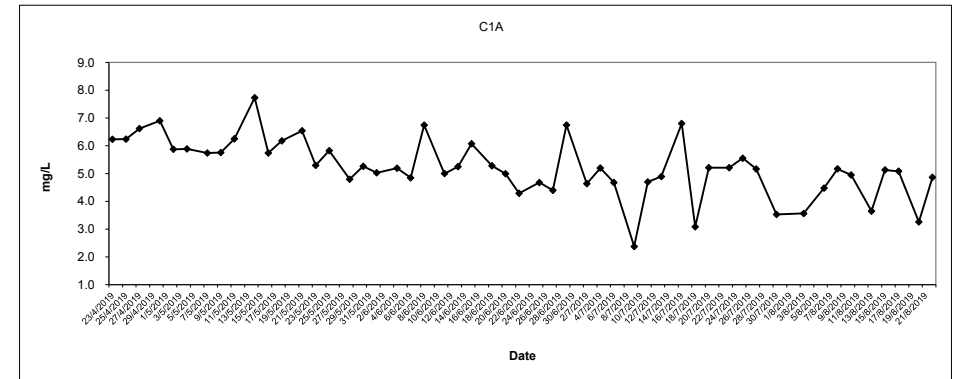
Dissolved Oxygen (Surface and Middle) at Mid-Flood Tide



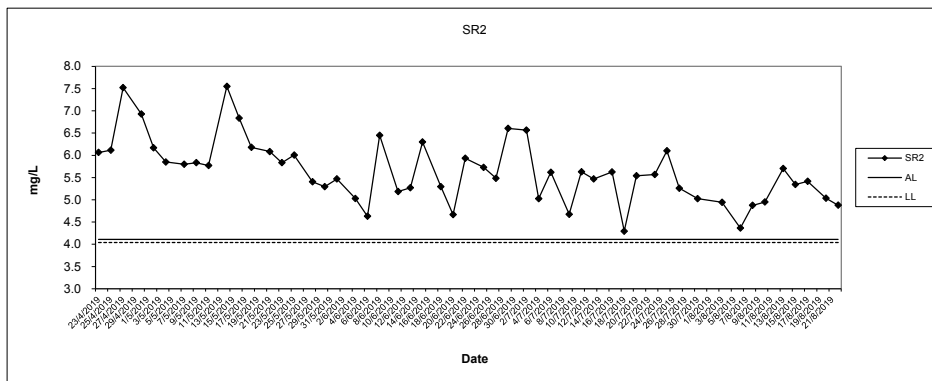
Dissolved Oxygen (Surface and Middle) at Mid-Flood Tide



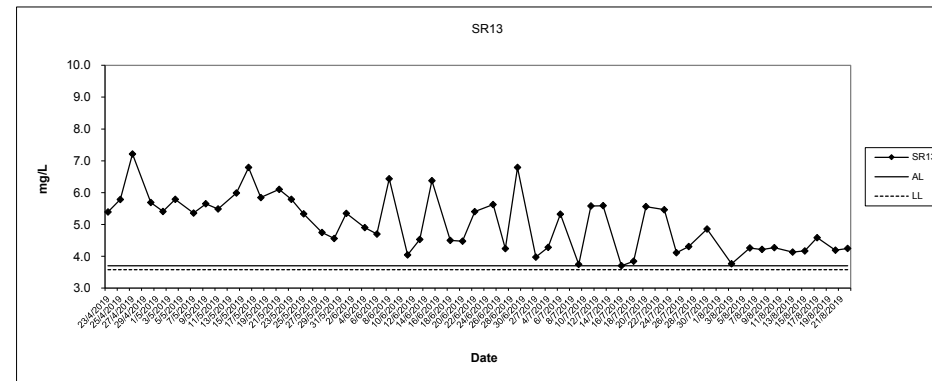
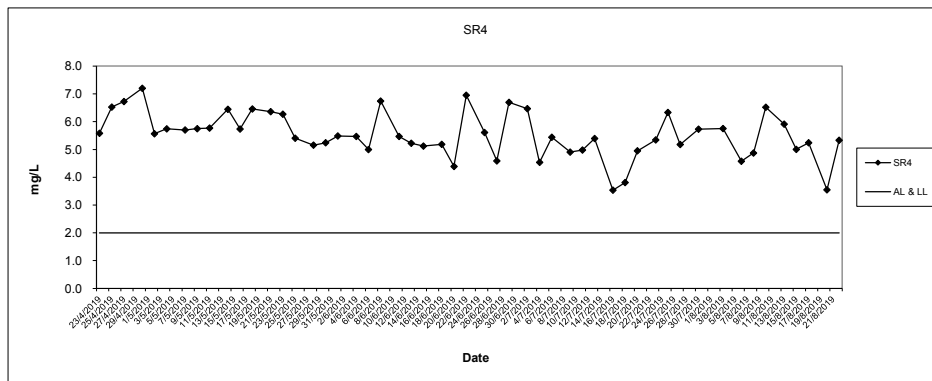
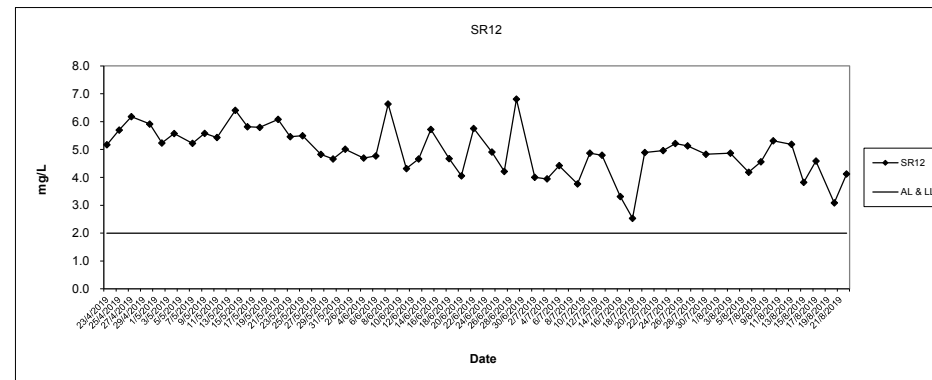
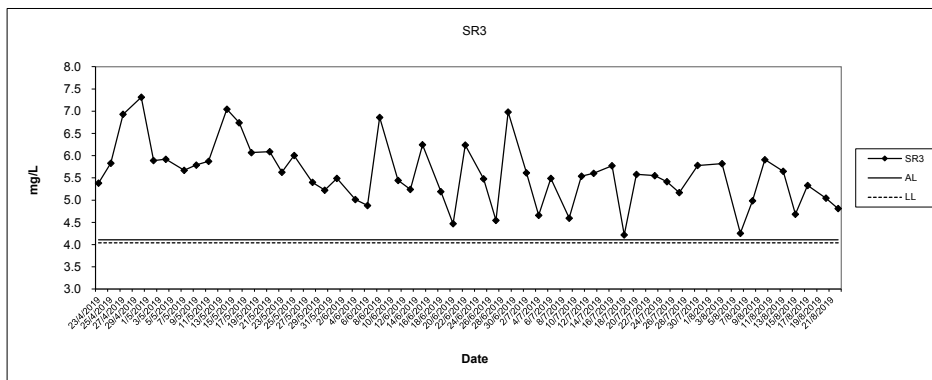
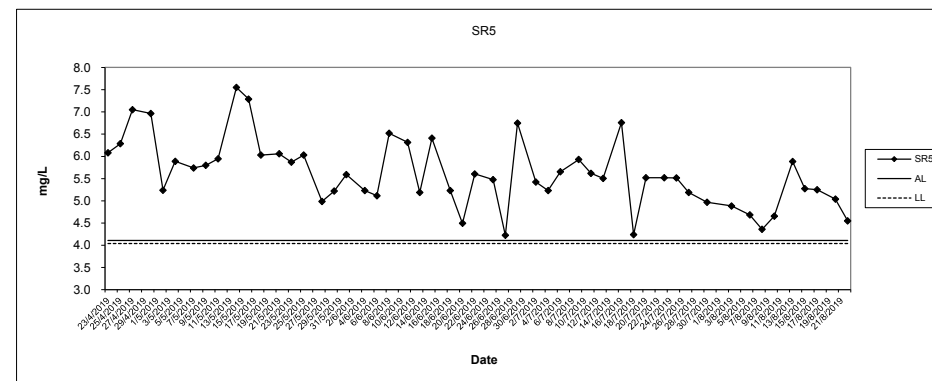
Dissolved Oxygen (Bottom) at Mid-Flood Tide



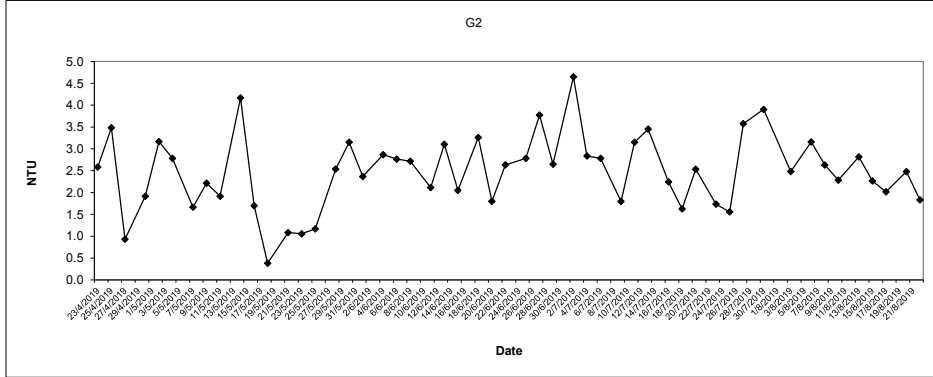
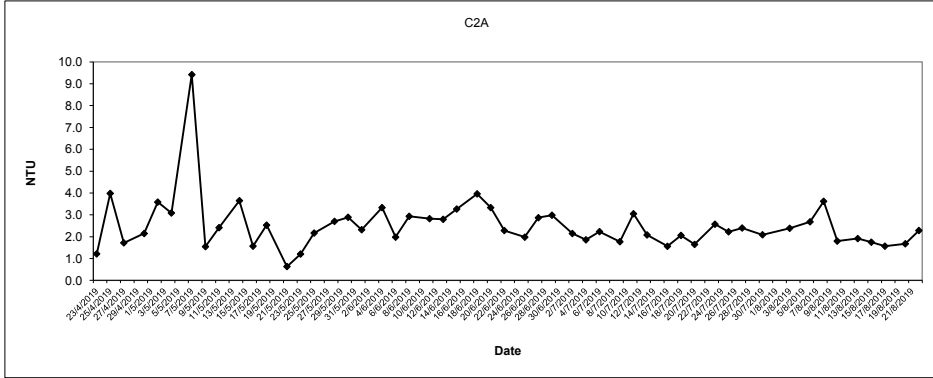
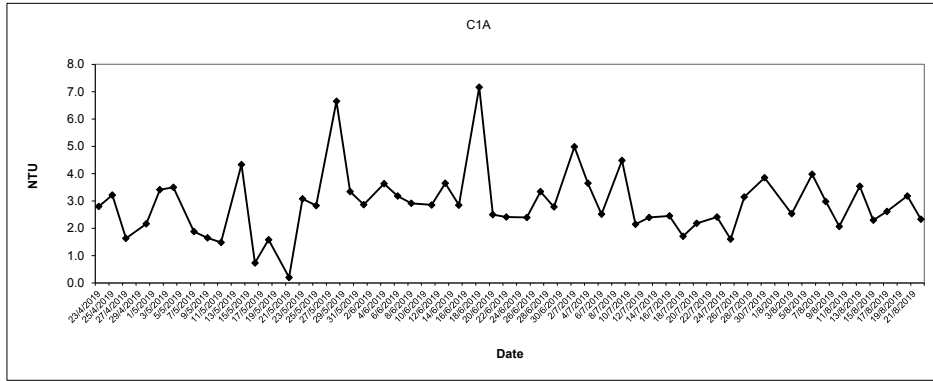
Dissolved Oxygen (Bottom) at Mid-Flood Tide



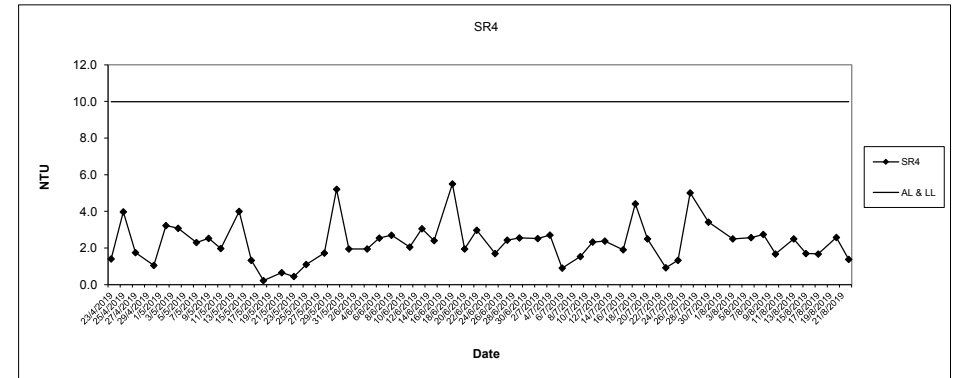
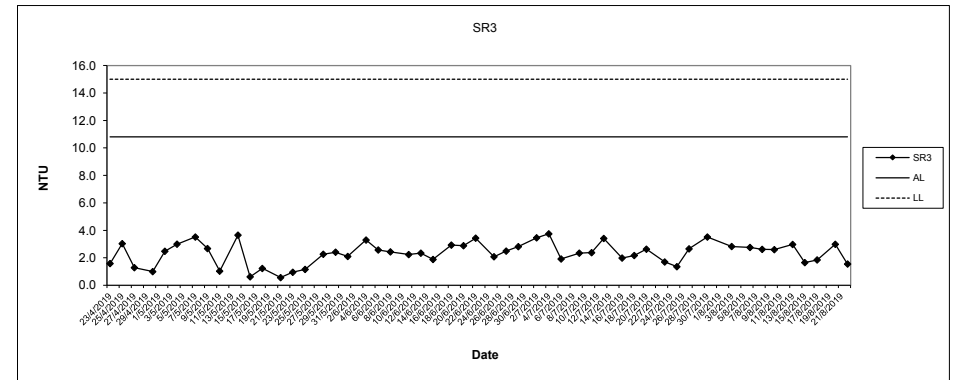
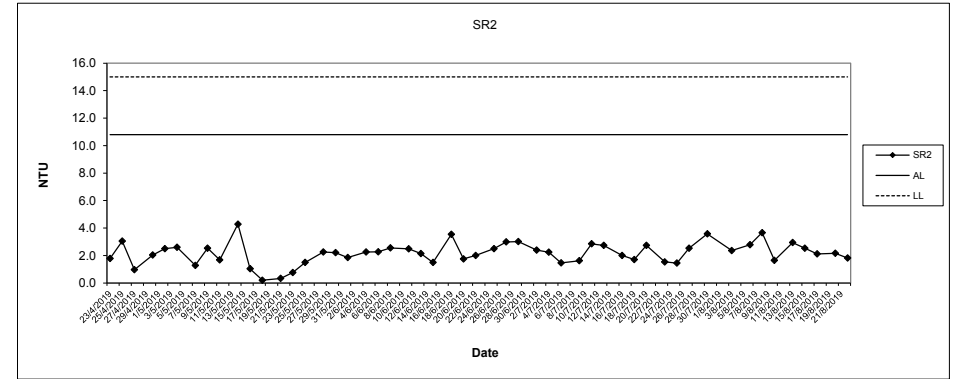
Dissolved Oxygen (Bottom) at Mid-Flood Tide



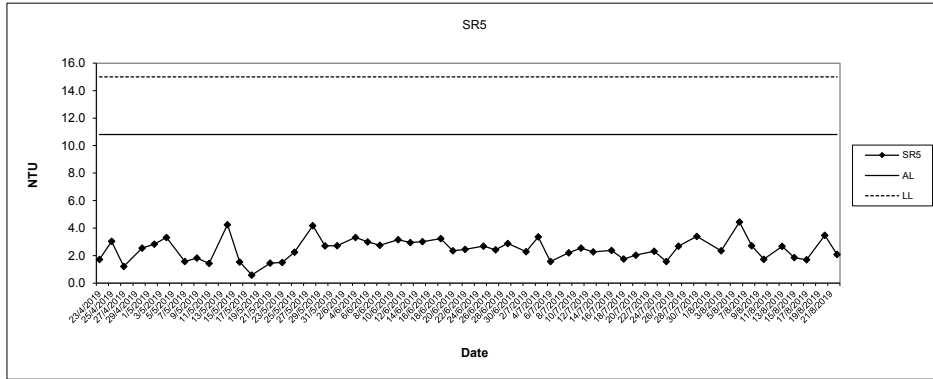
Turbidity (Depth average) at Mid-Flood Tide



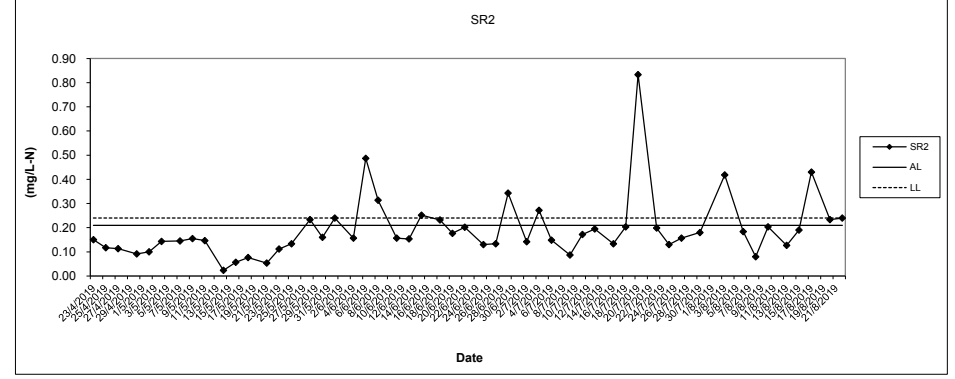
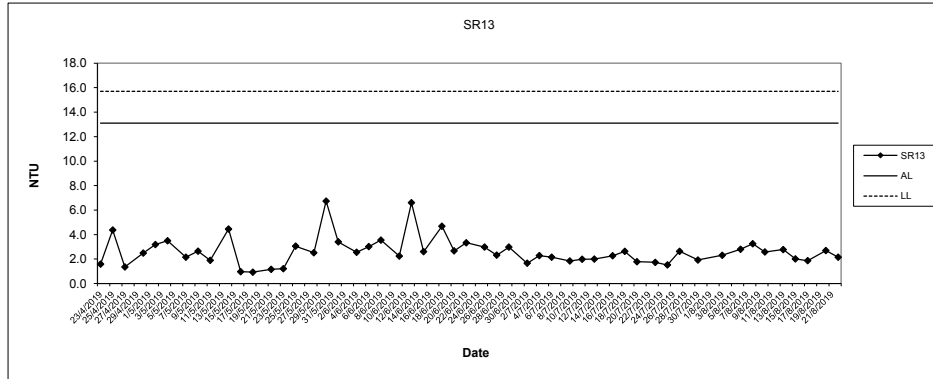
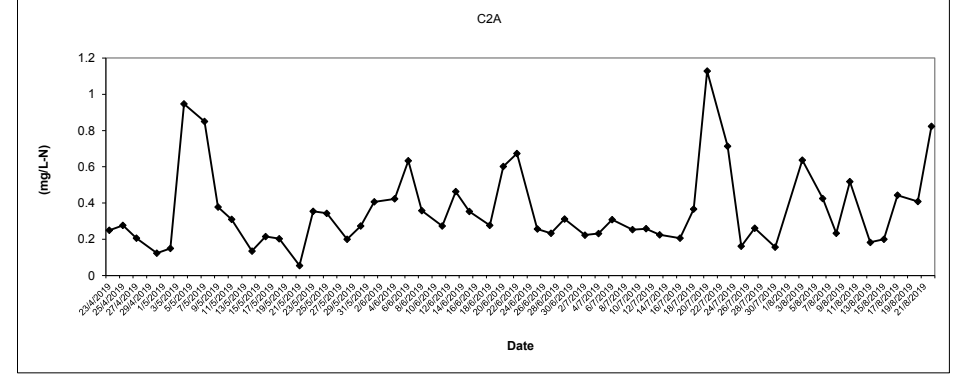
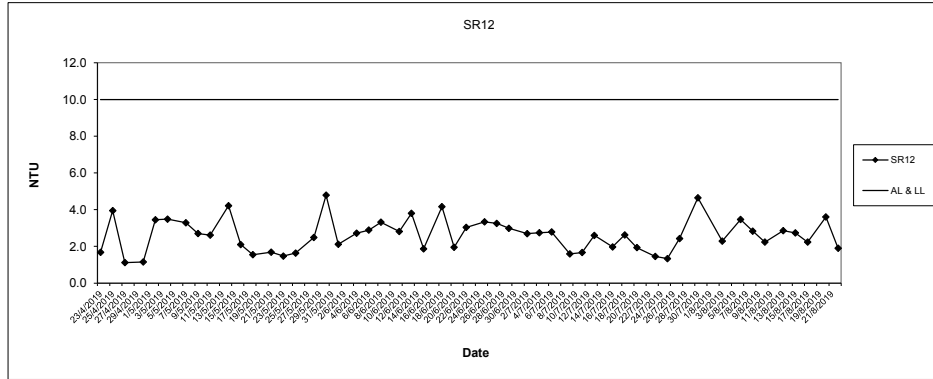
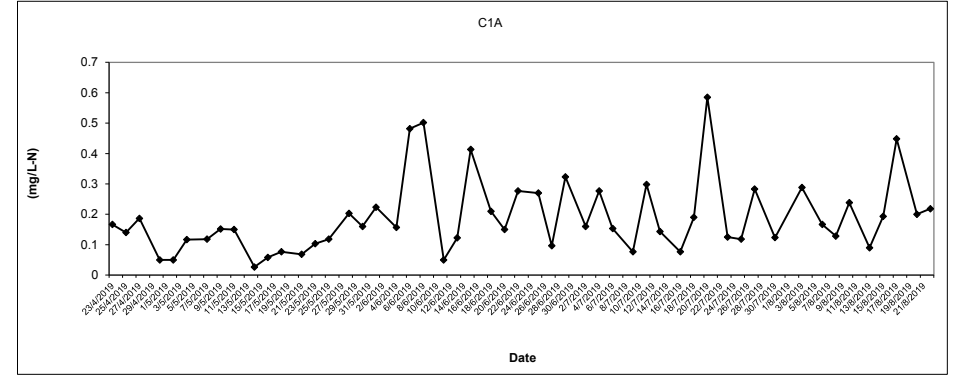
Turbidity (Depth average) at Mid-Flood Tide



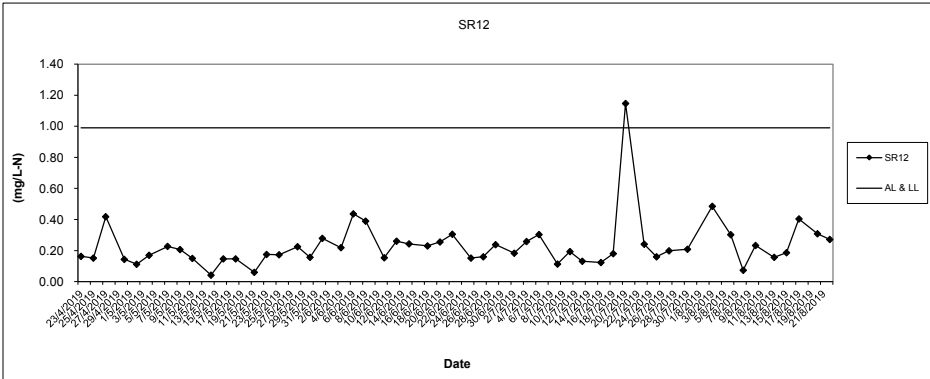
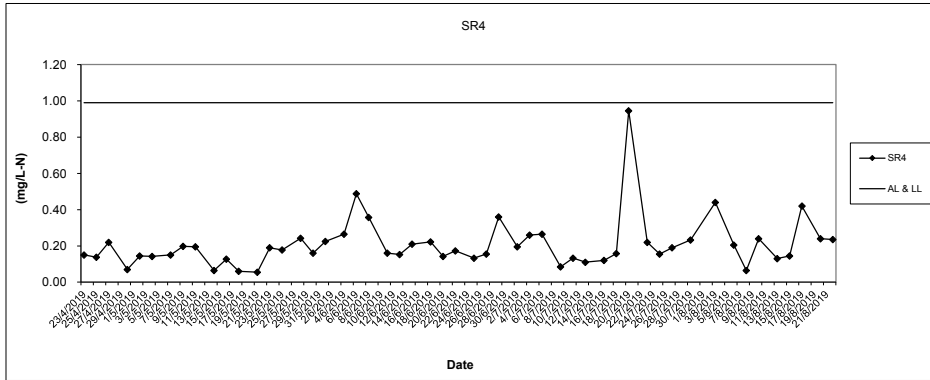
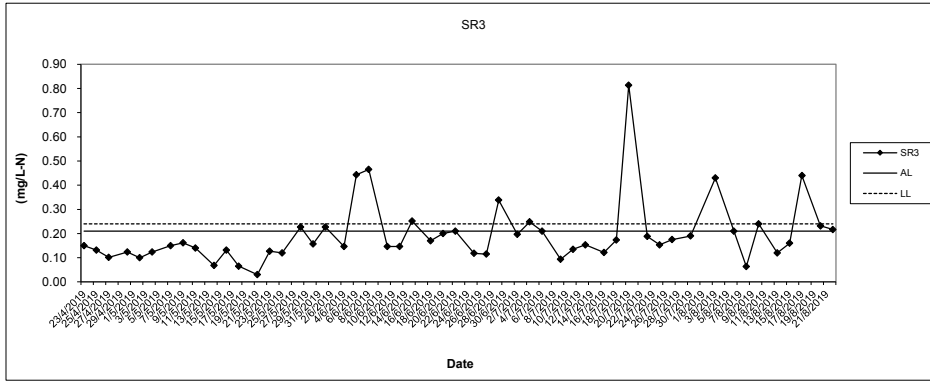
Turbidity (Depth average) at Mid-Flood Tide



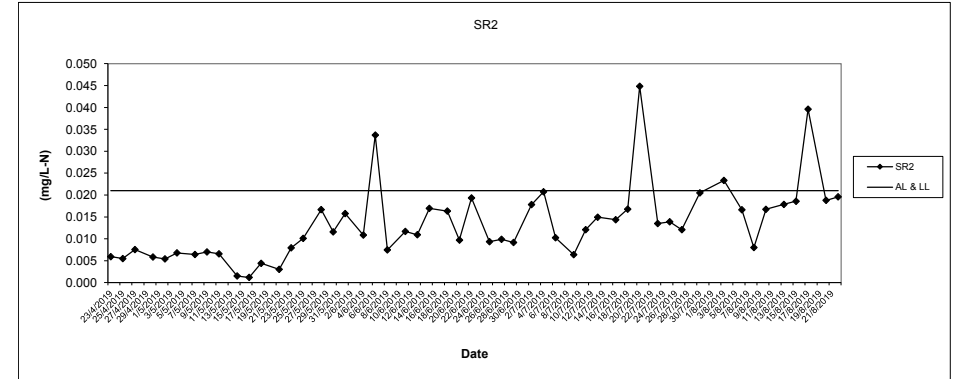
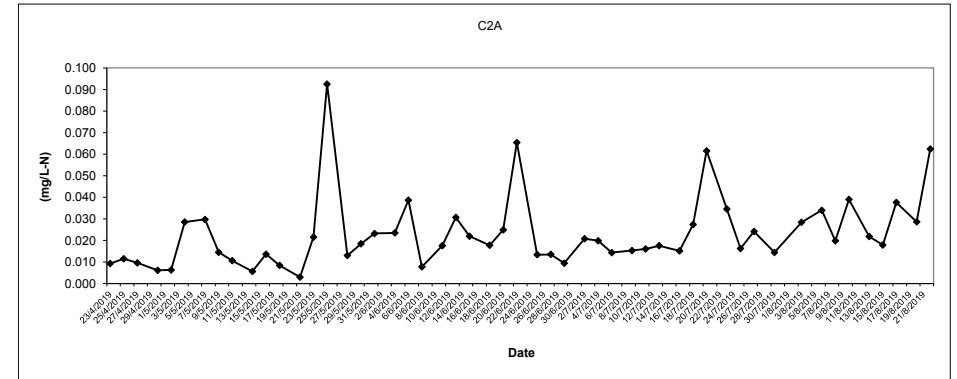
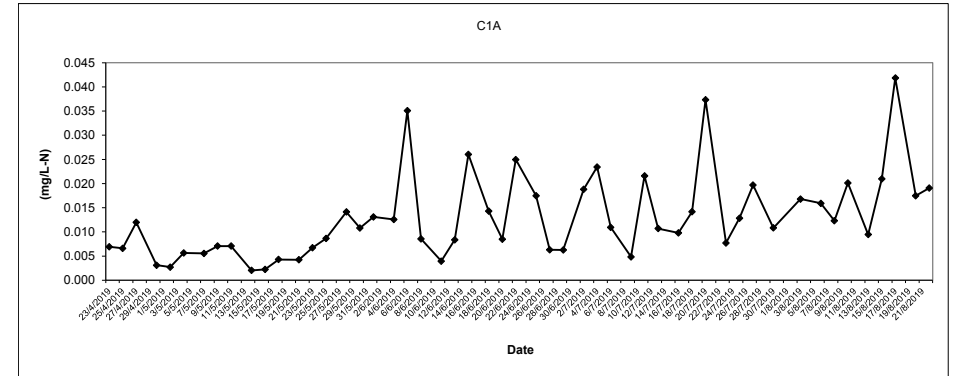
In-situ Ammonia (Depth average) at Mid-Flood Tide



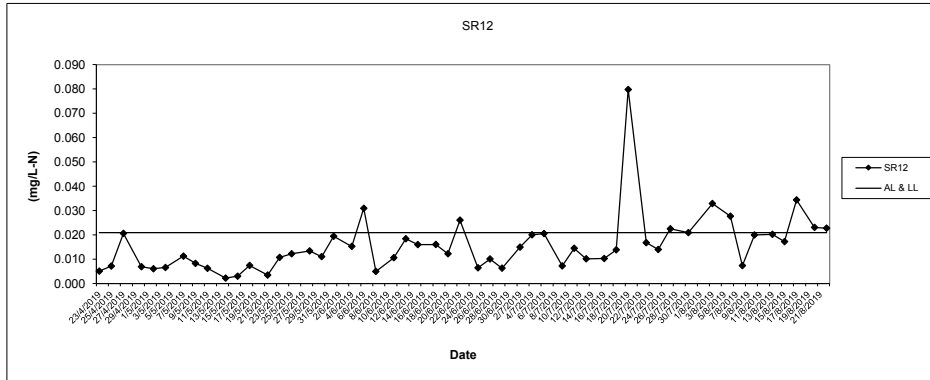
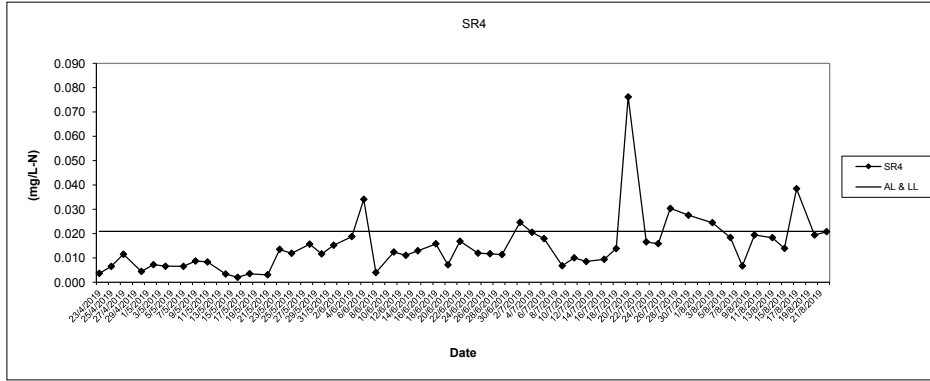
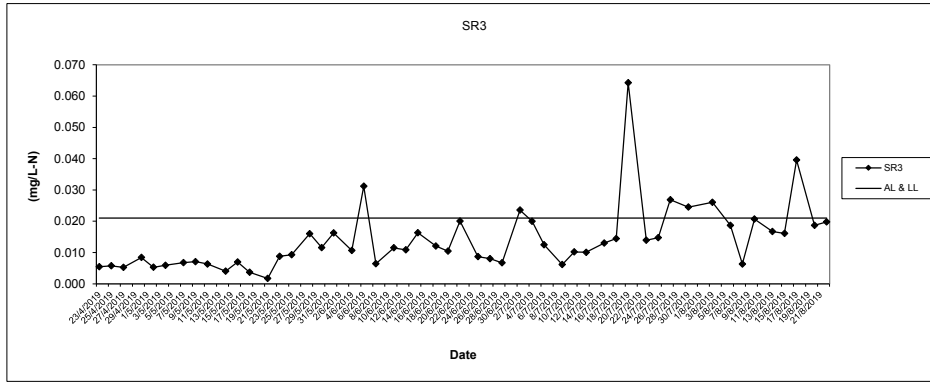
In-situ Ammonia (Depth average) at Mid-Flood Tide



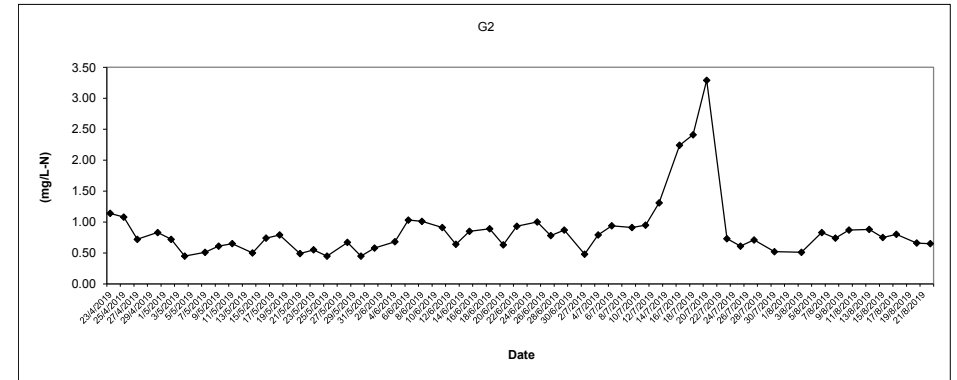
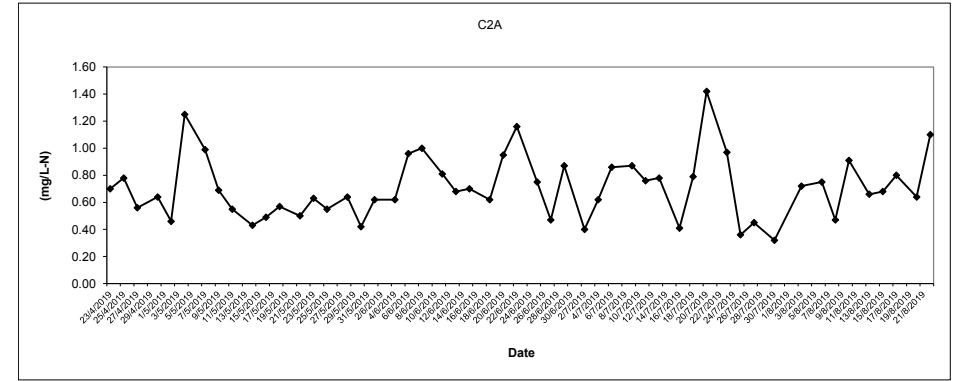
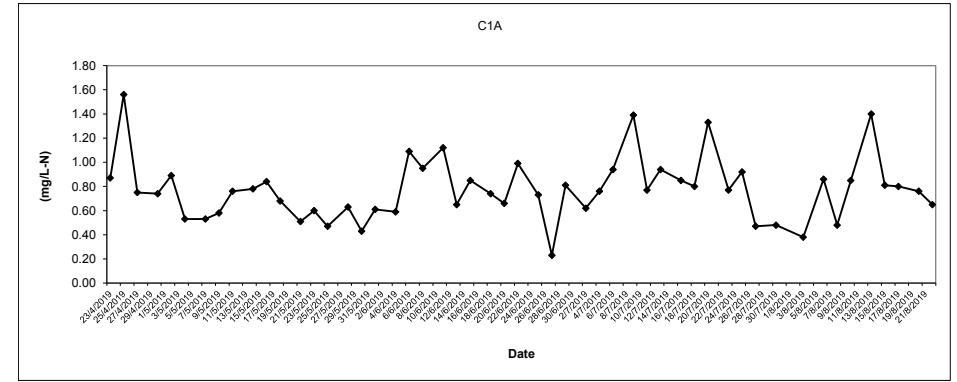
In-situ UIA (Depth average) at Mid-Flood Tide



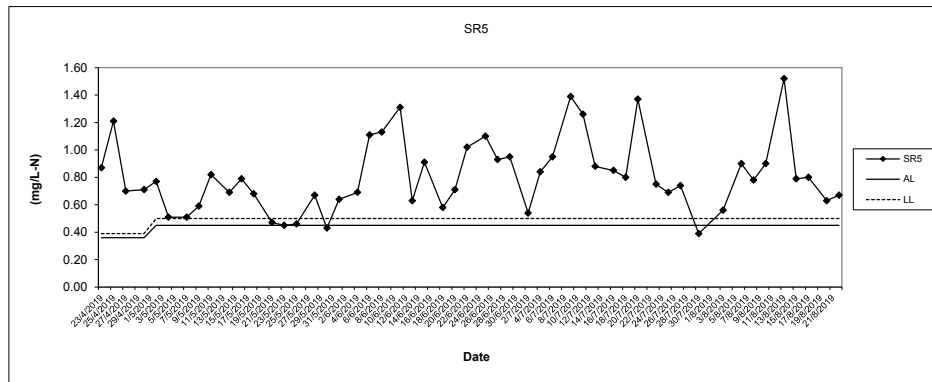
In-situ UIA (Depth average) at Mid-Flood Tide



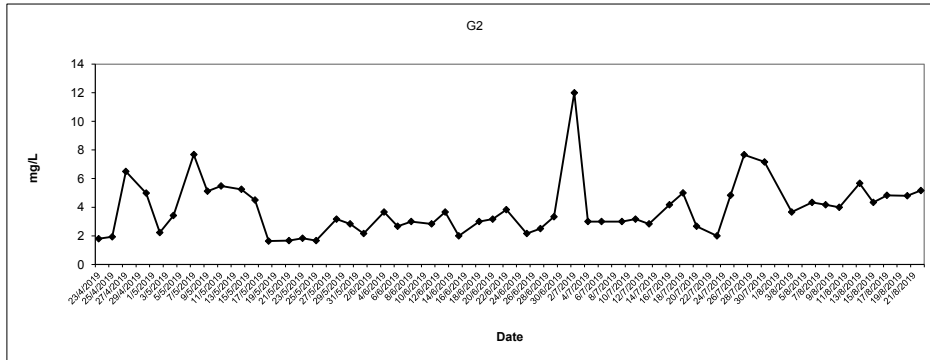
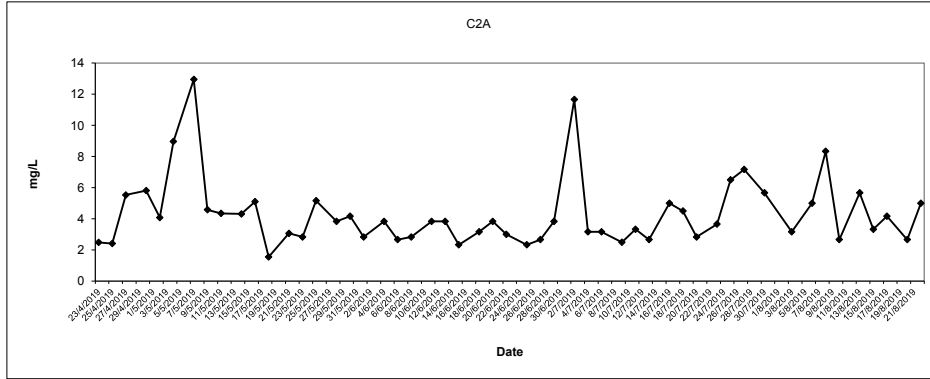
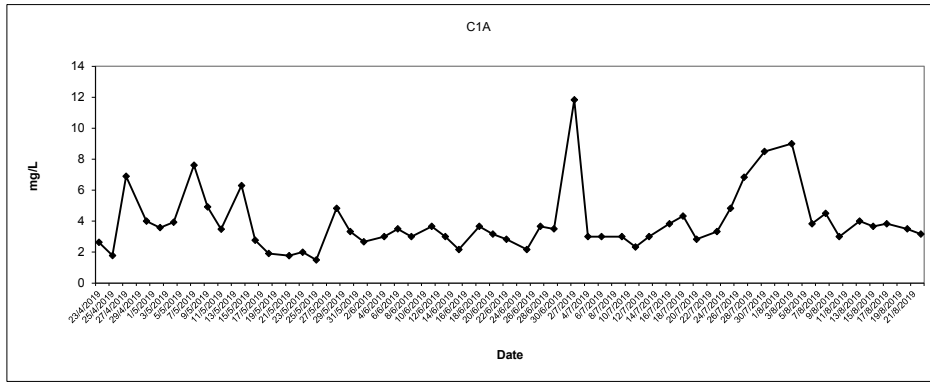
In-situ TIN (Depth average) at Mid-Flood Tide



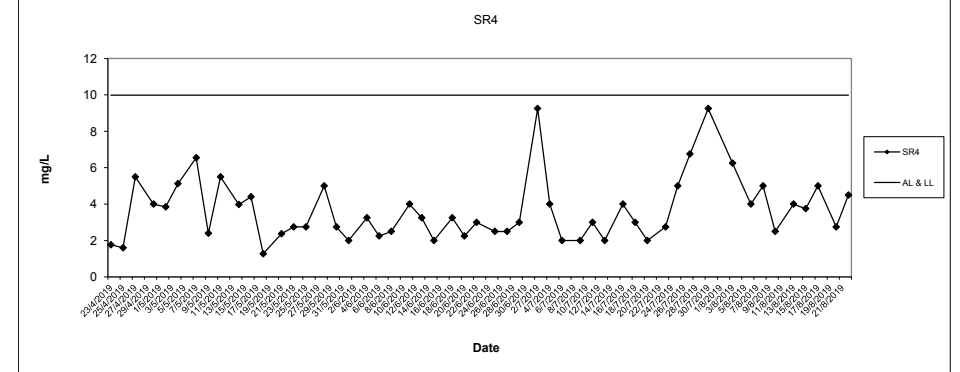
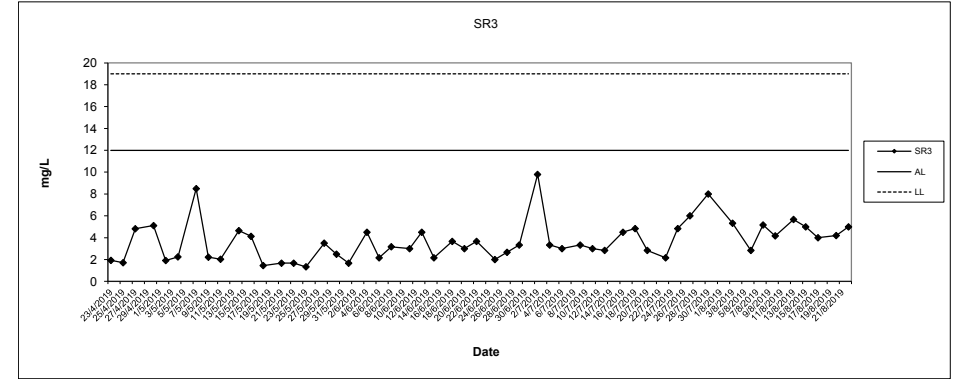
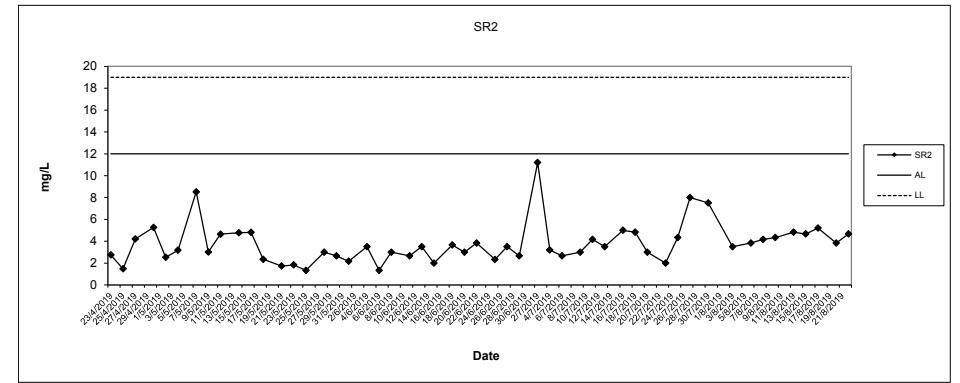
In-situ TIN (Depth average) at Mid-Flood Tide



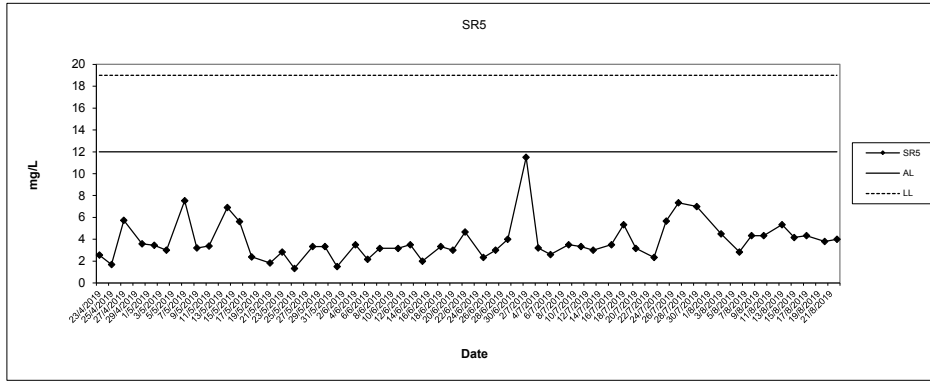
Total Suspended Solids (Depth average) at Mid-Flood Tide



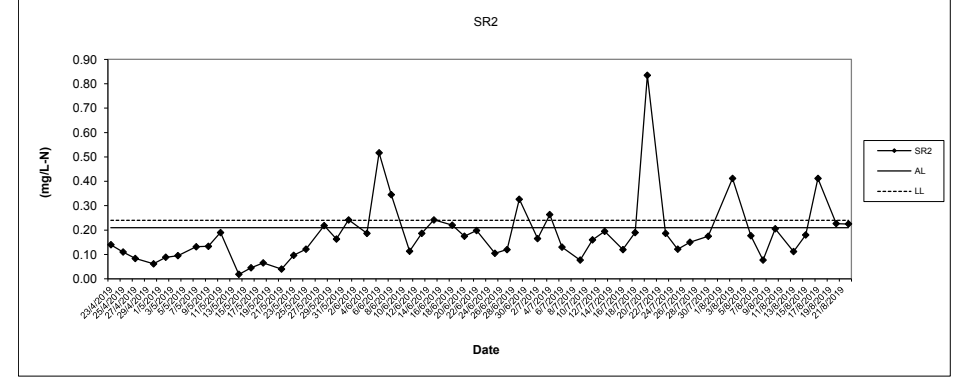
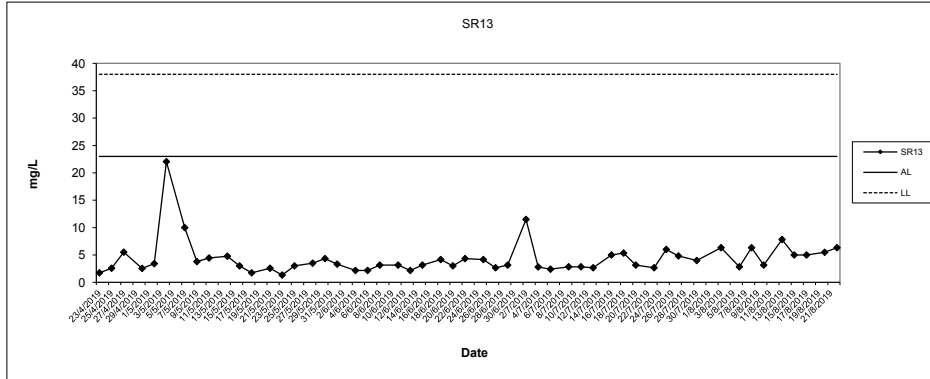
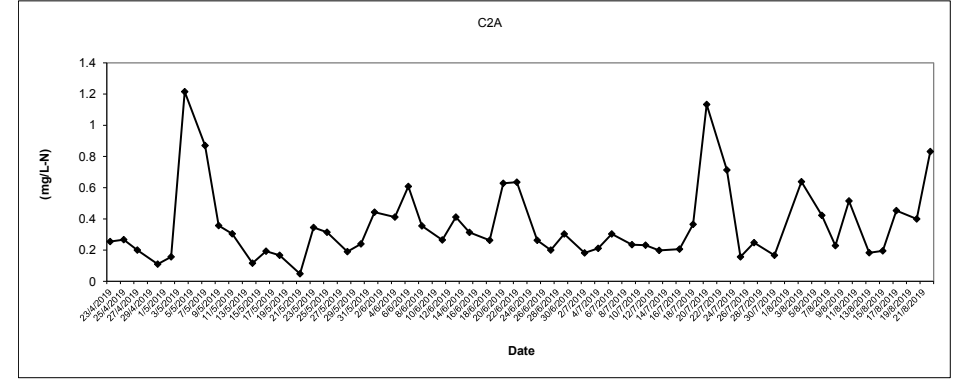
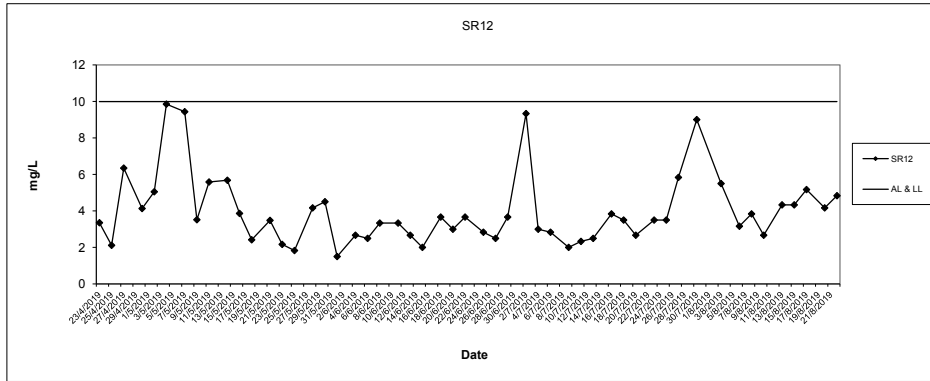
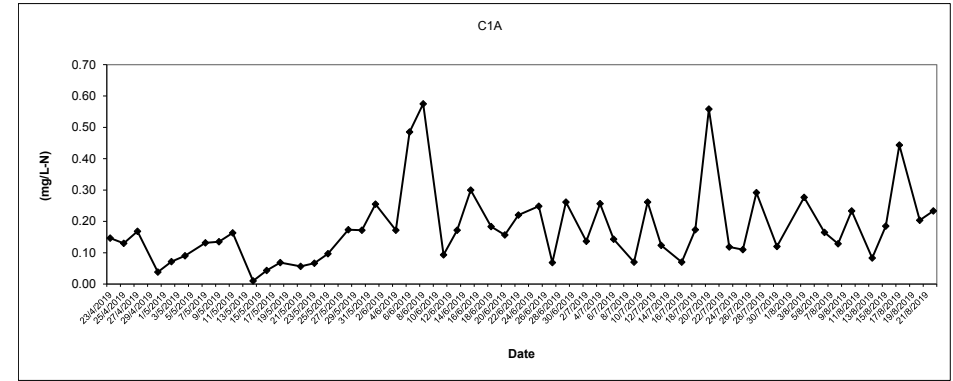
Total Suspended Solids (Depth average) at Mid-Flood Tide



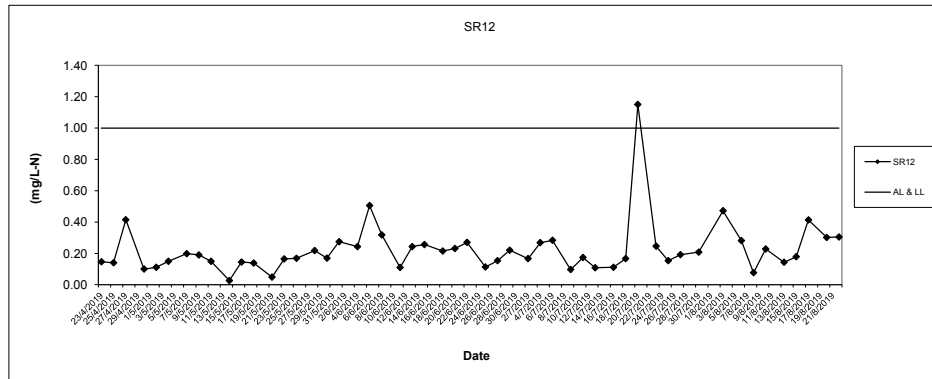
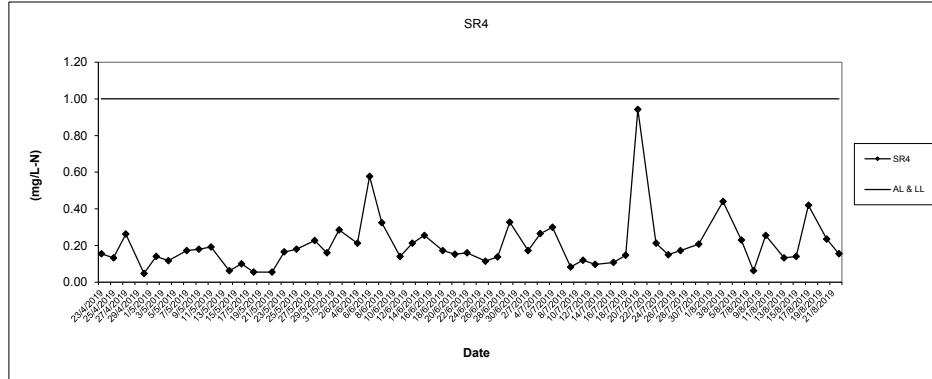
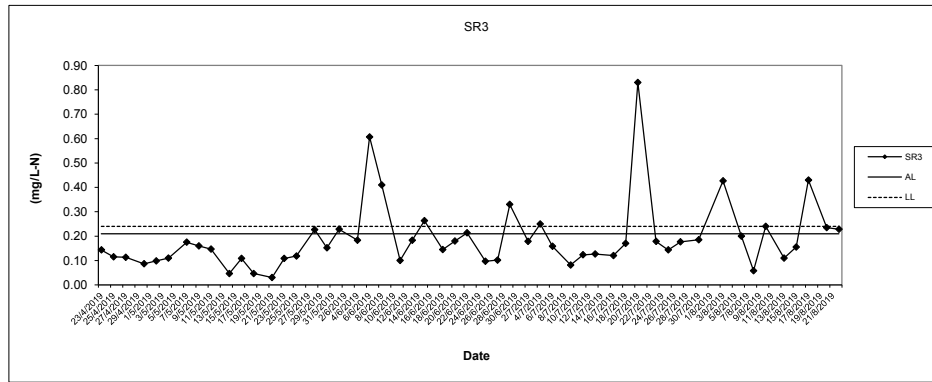
Total Suspended Solids (Depth average) at Mid-Flood Tide



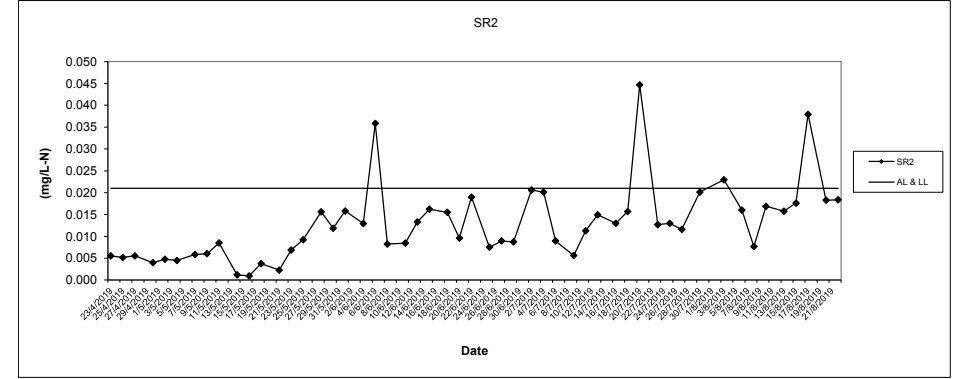
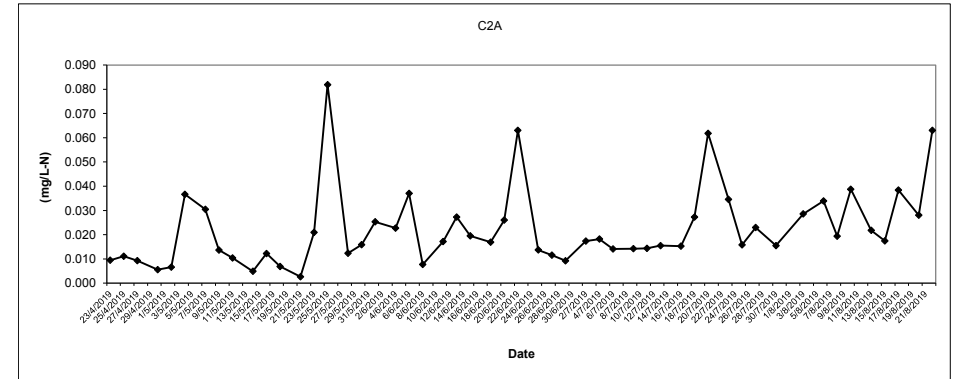
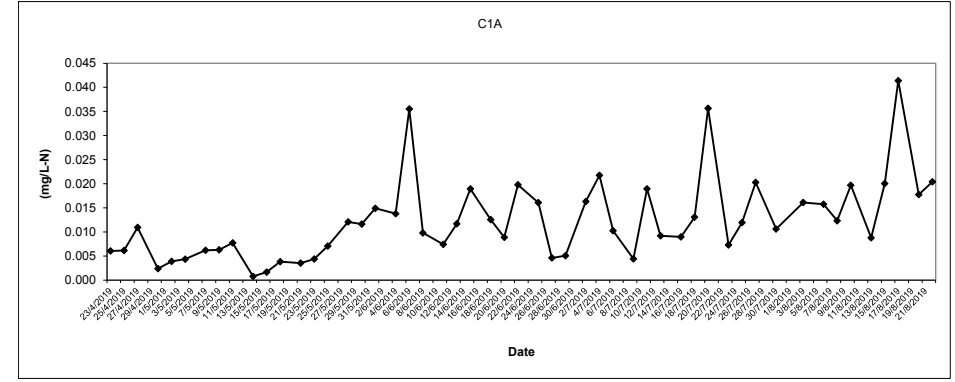
Ammonia Nitrogen (Depth average) at Mid-Flood Tide



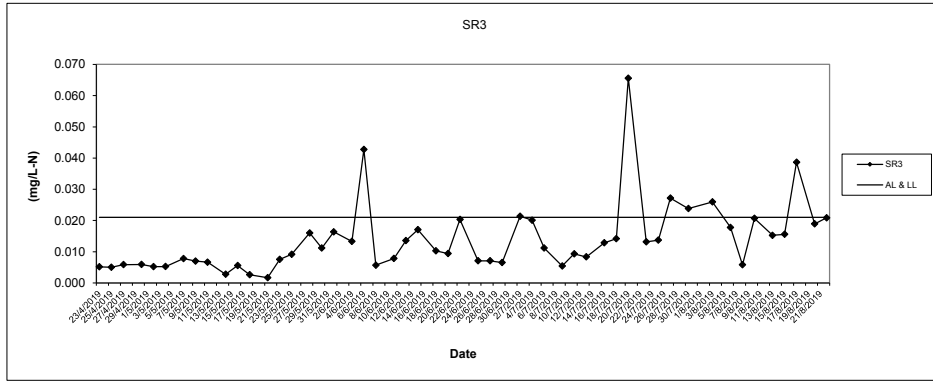
Ammonia Nitrogen (Depth average) at Mid-Flood Tide



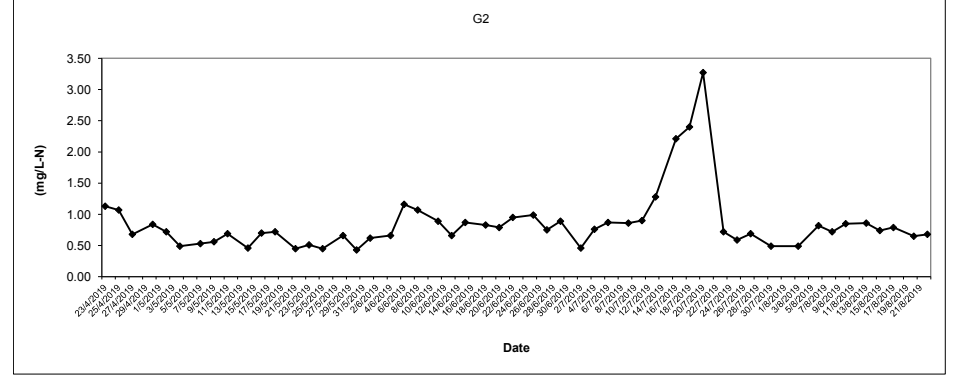
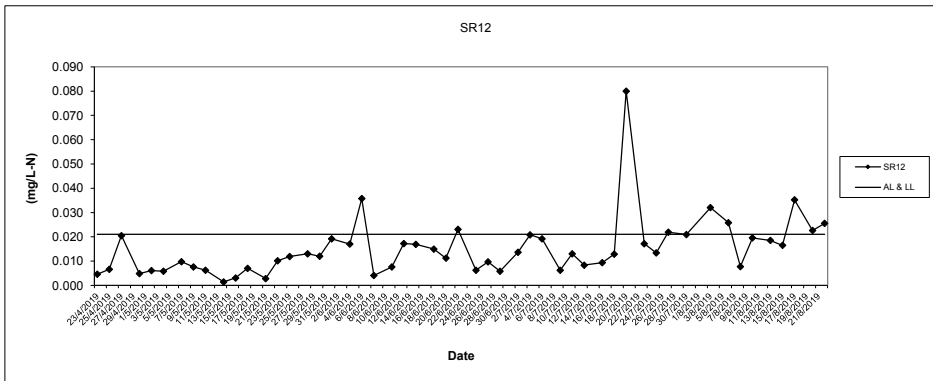
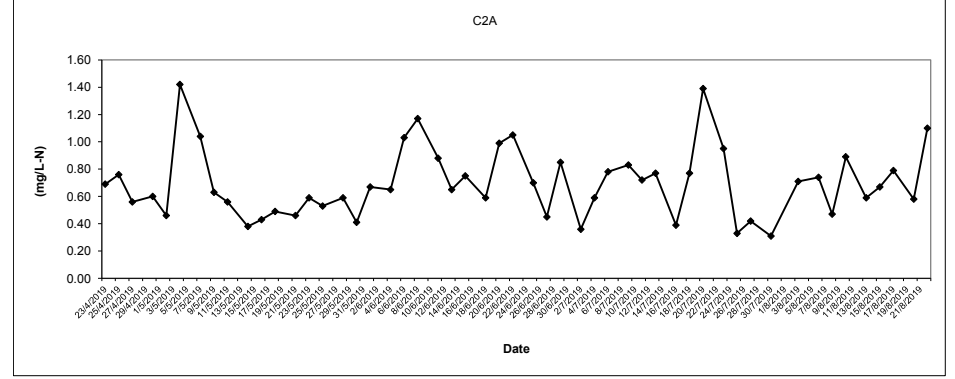
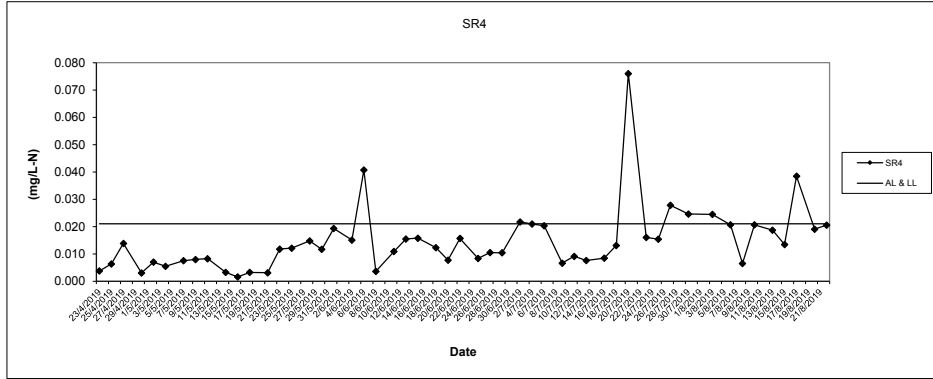
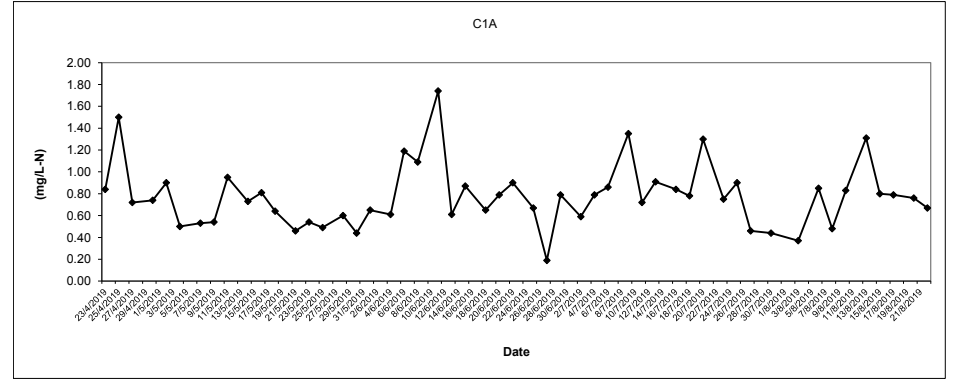
Laboratory Analysis UIA (Depth average) at Mid-Flood Tide



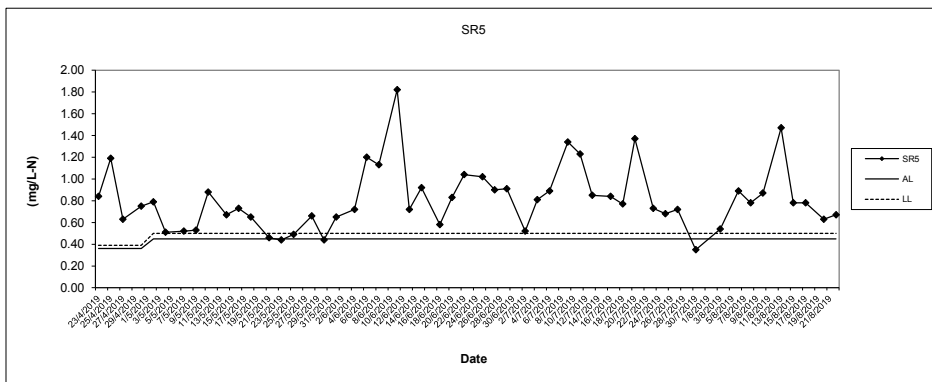
Laboratory Analysis UIA (Depth average) at Mid-Flood Tide



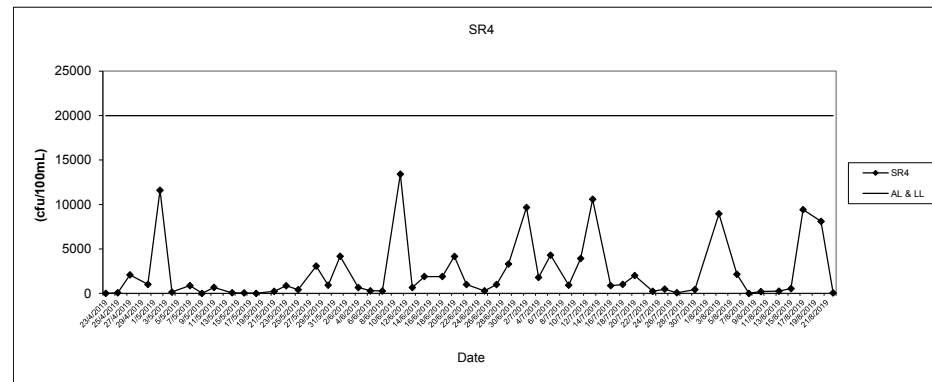
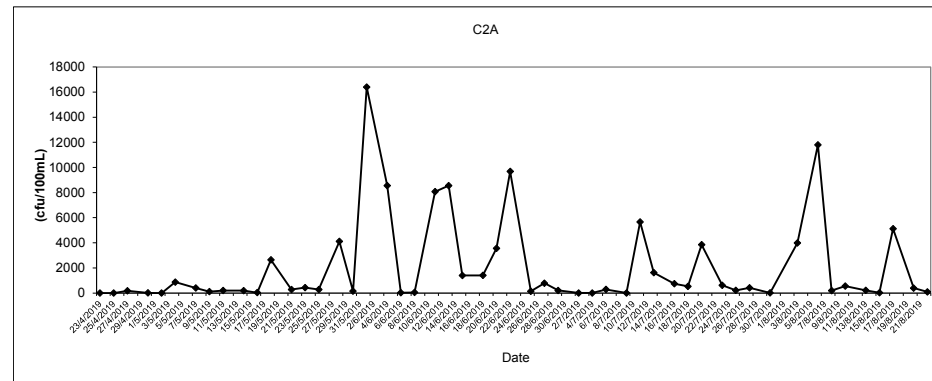
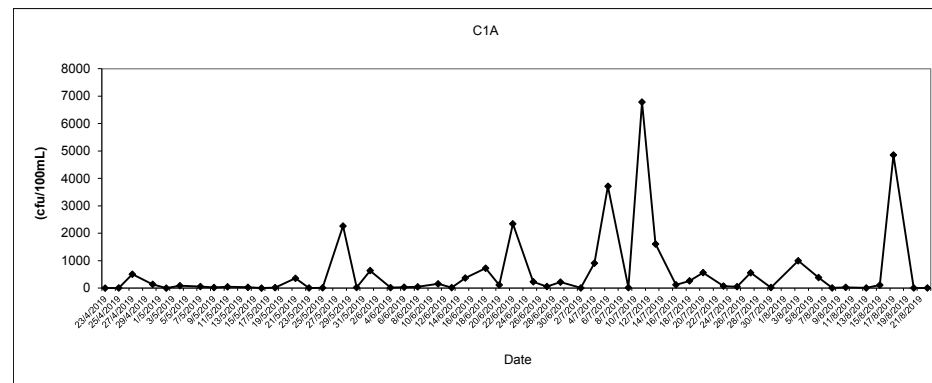
Laboratory Analysis TIN (Depth average) at Mid-Flood Tide



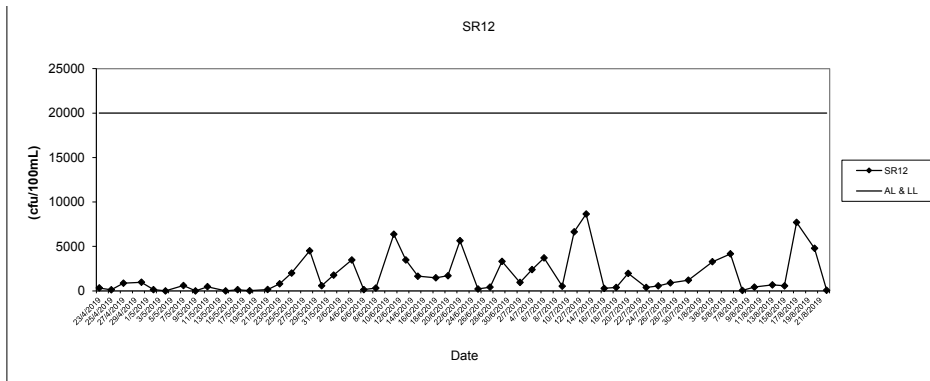
Laboratory Analysis TIN (Depth average) at Mid-Flood Tide



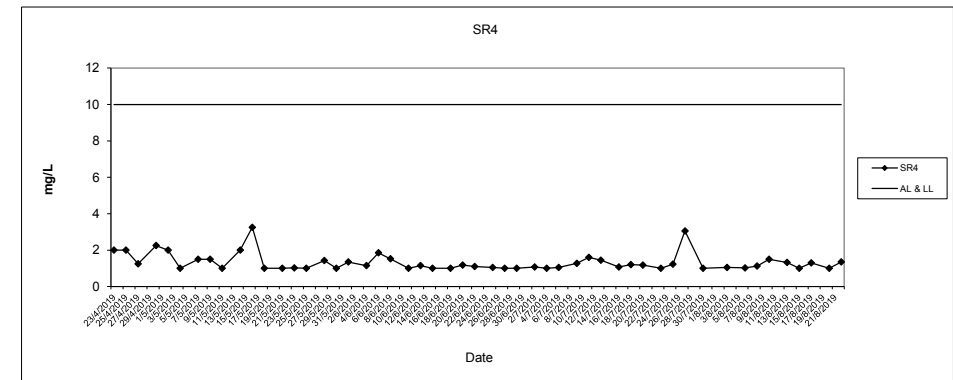
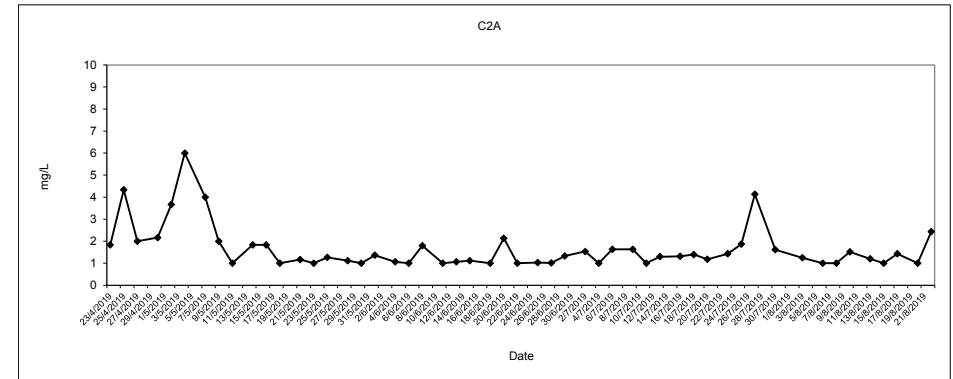
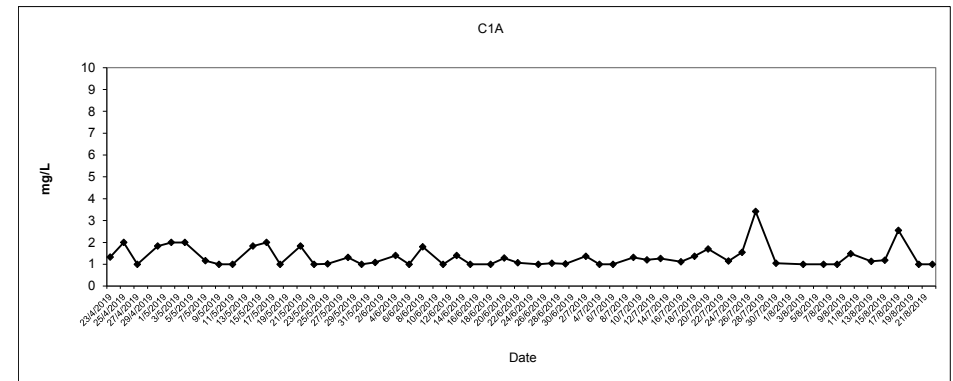
E.coli (Depth average) at Mid-Flood Tide



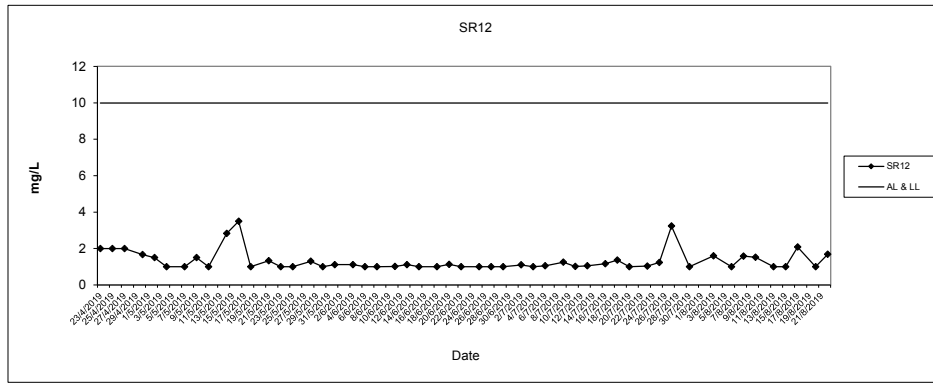
E.coli (Depth average) at Mid-Flood Tide



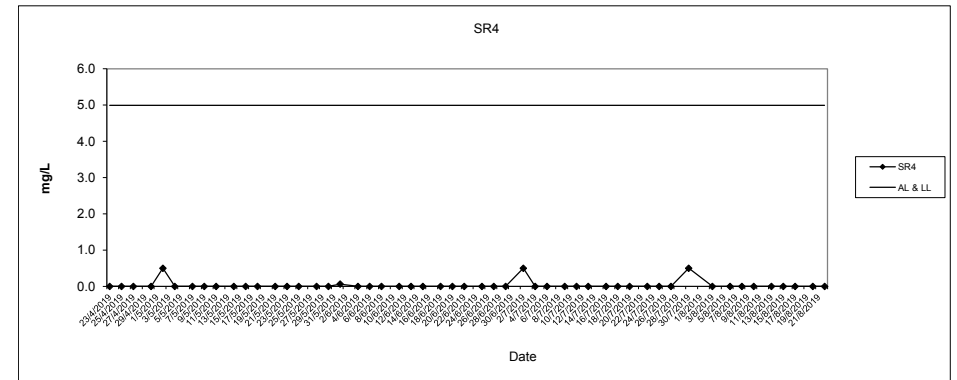
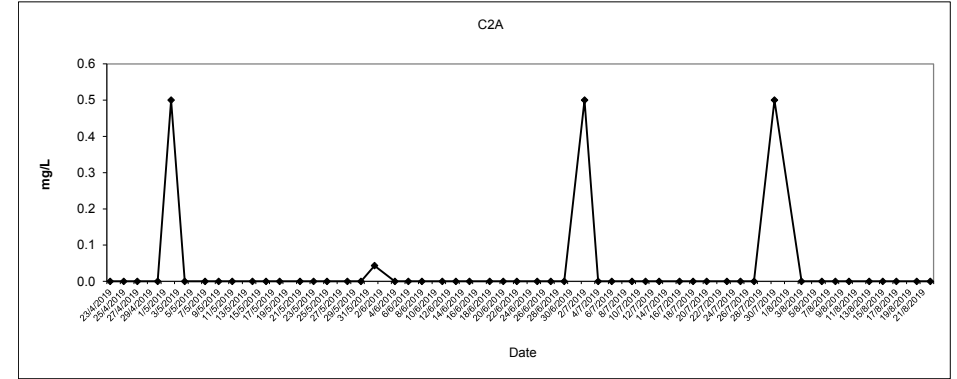
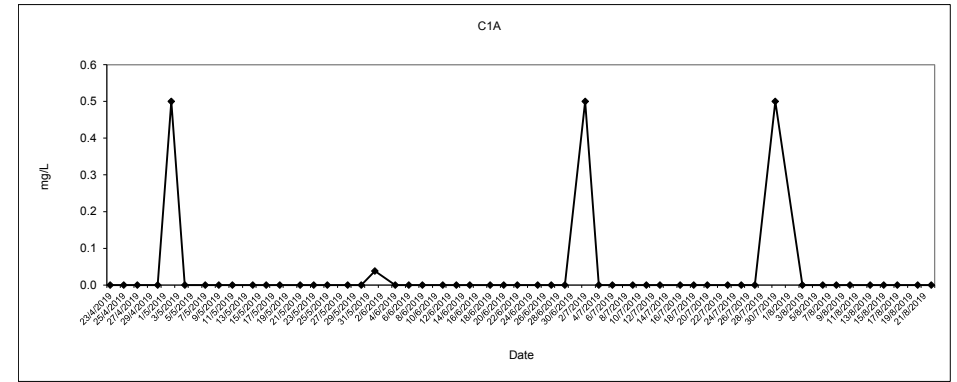
BOD₅ (Depth average) at Mid-Flood Tide



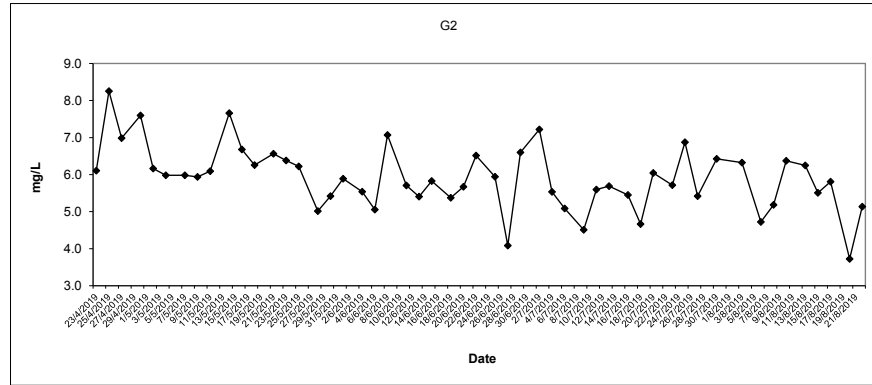
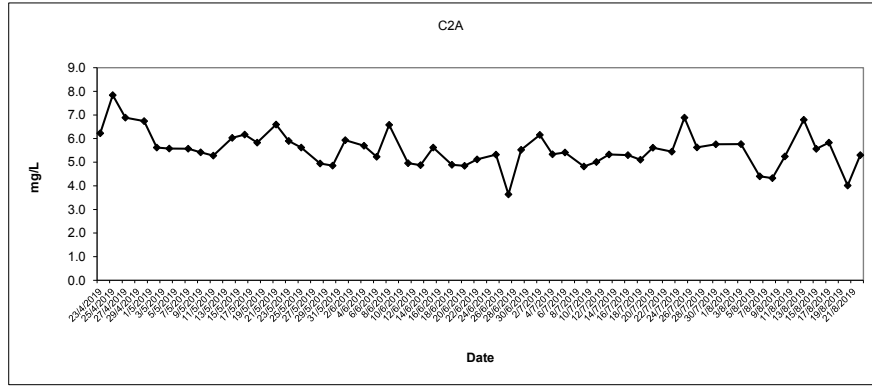
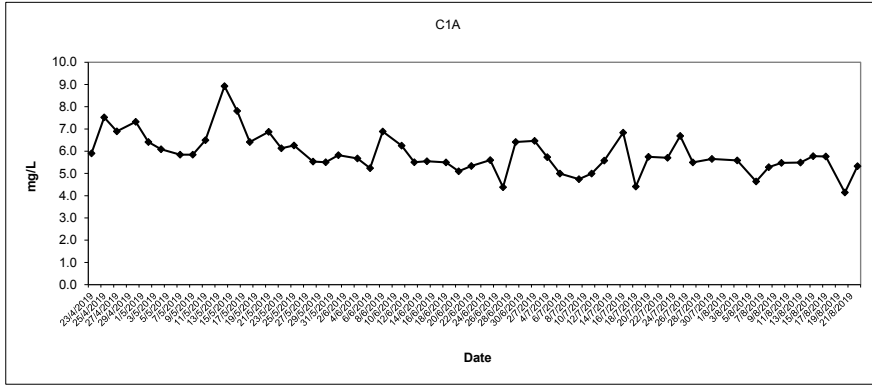
BOD₅ (Depth average) at Mid-Flood Tide



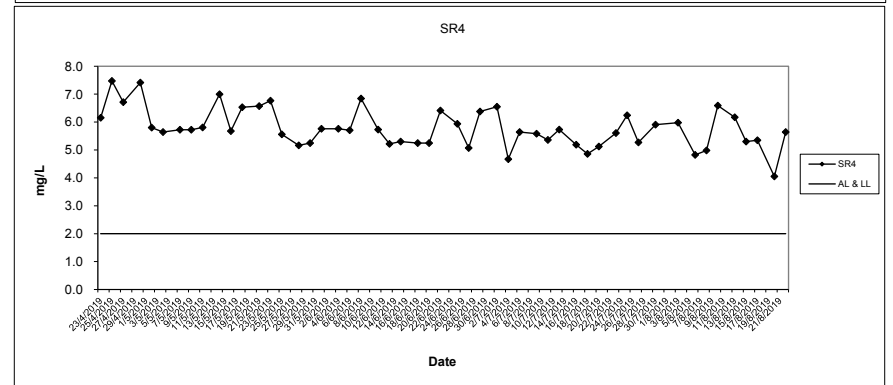
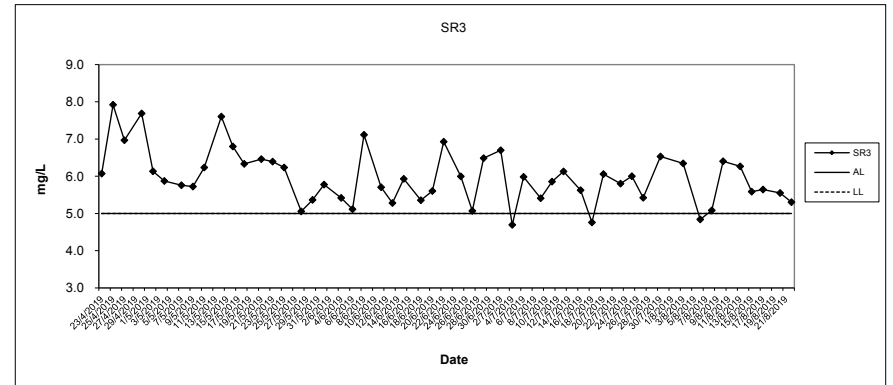
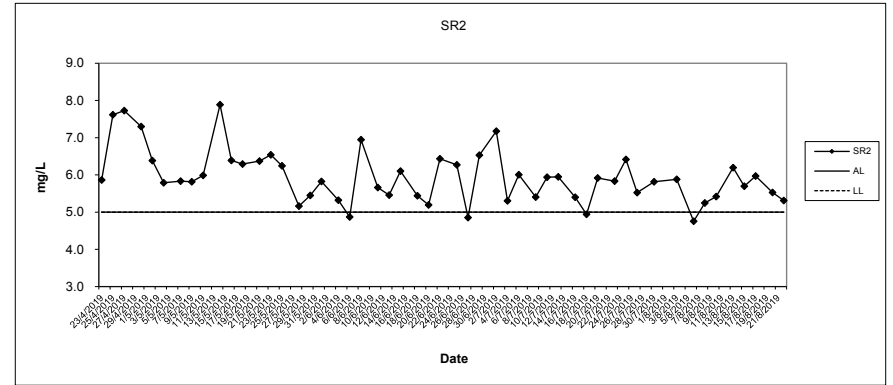
Synthetic Detergent (Depth average) at Mid-Flood Tide



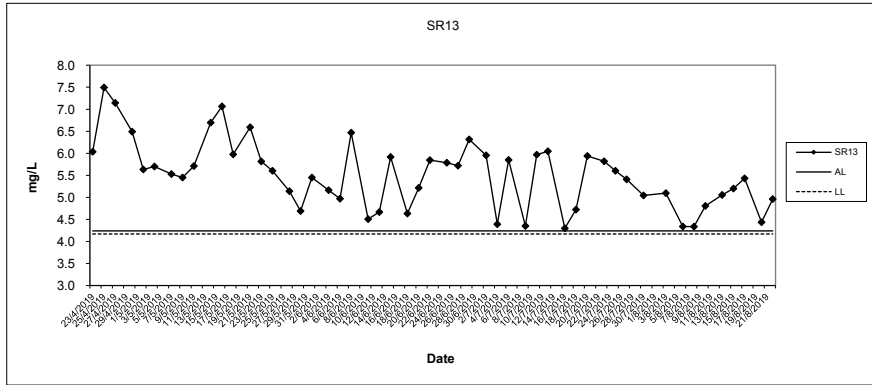
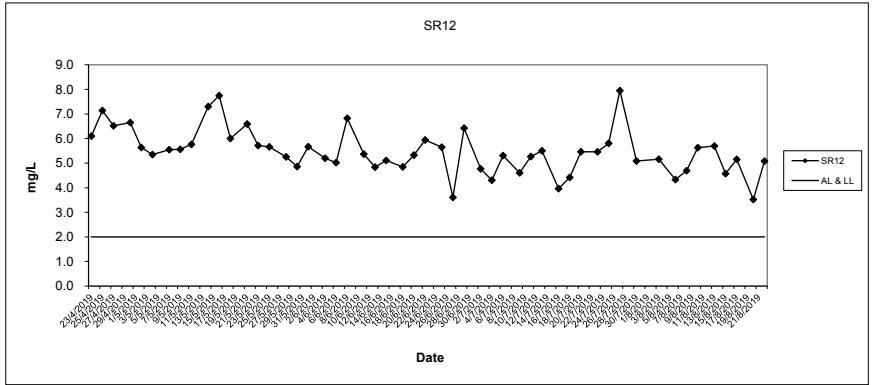
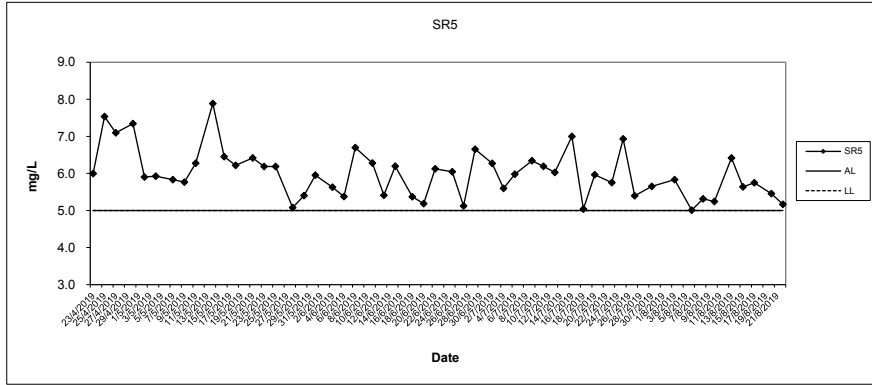
Dissolved Oxygen (Surface and Middle) at Mid-Ebb Tide



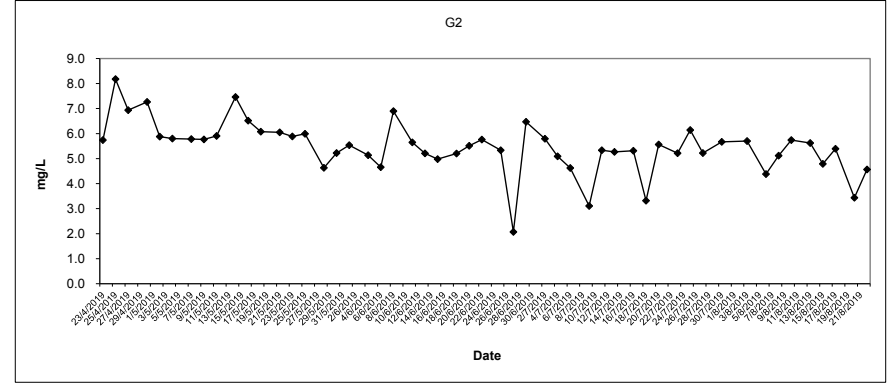
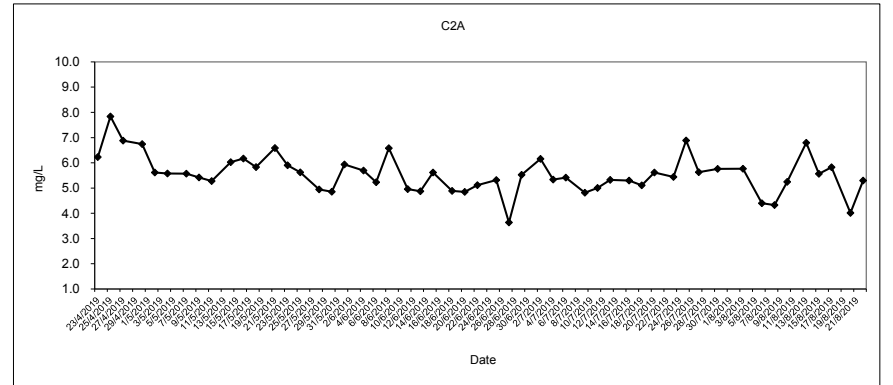
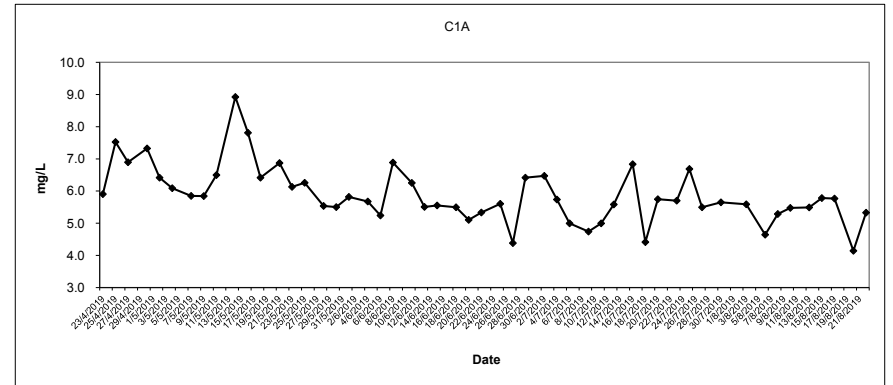
Dissolved Oxygen (Surface and Middle) at Mid-Ebb Tide



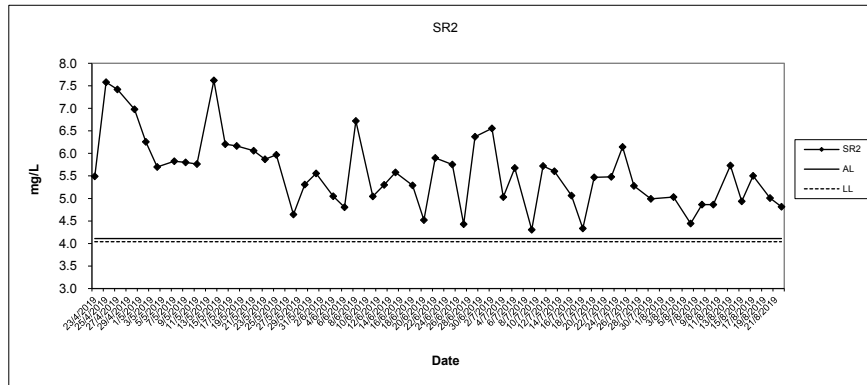
Dissolved Oxygen (Surface and Middle) at Mid-Ebb Tide



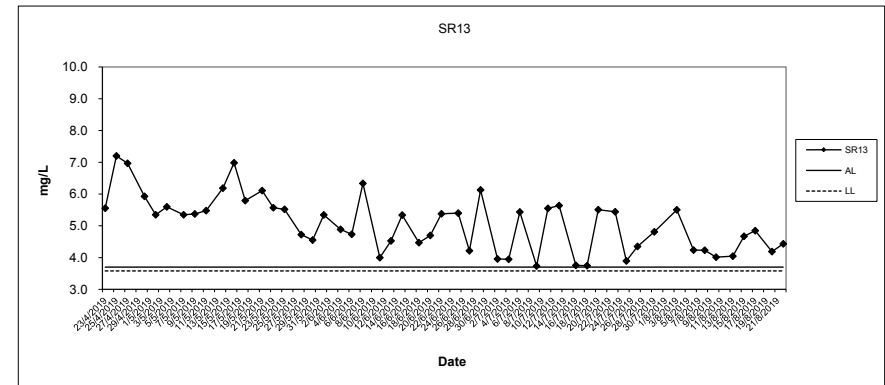
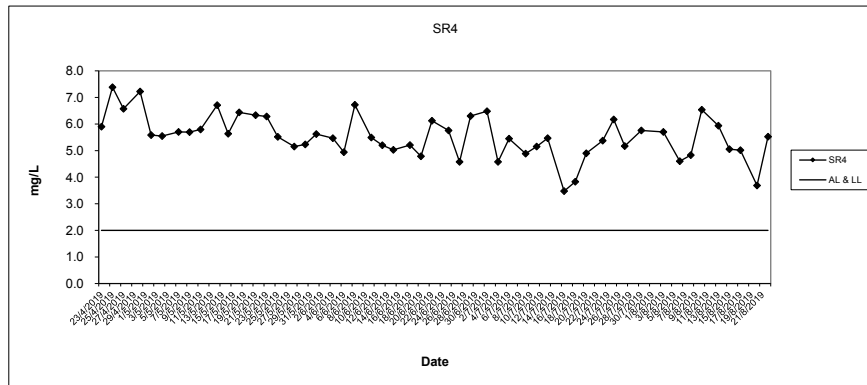
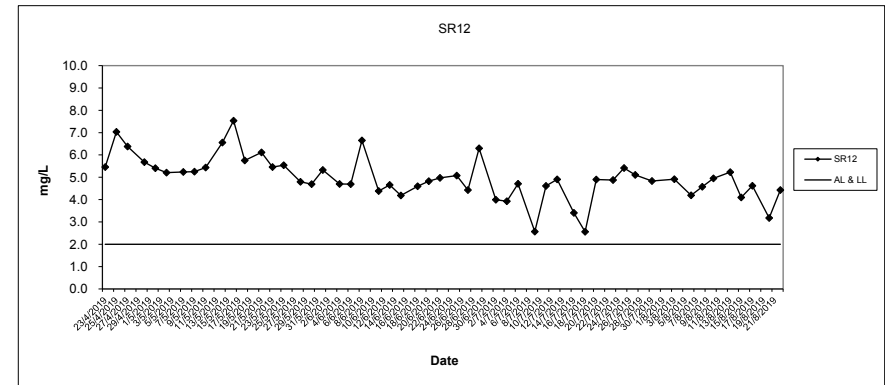
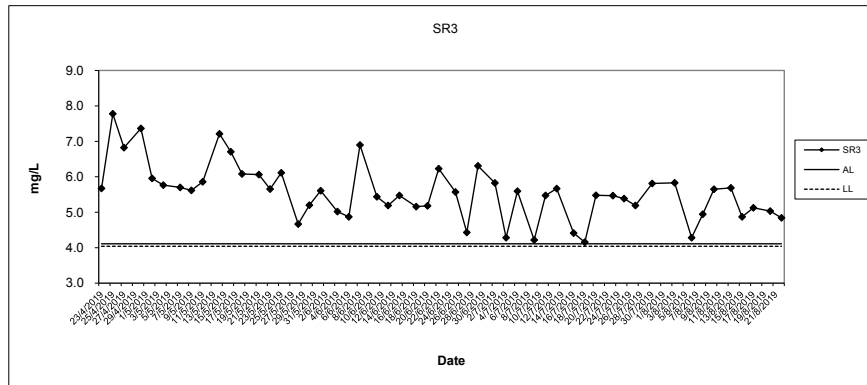
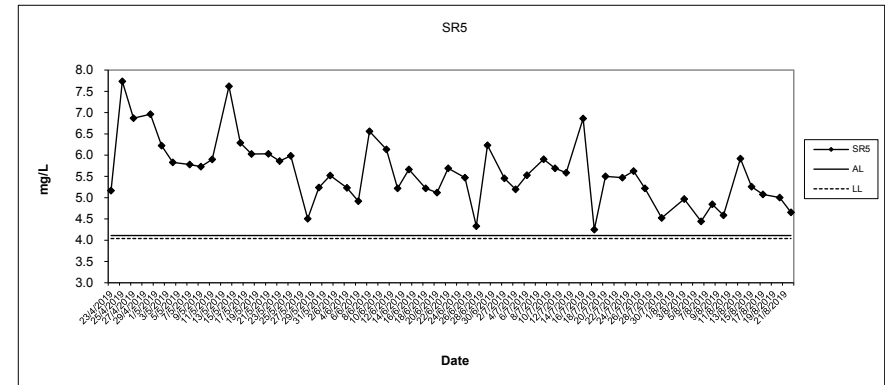
Dissolved Oxygen (Bottom) at Mid-Ebb Tide



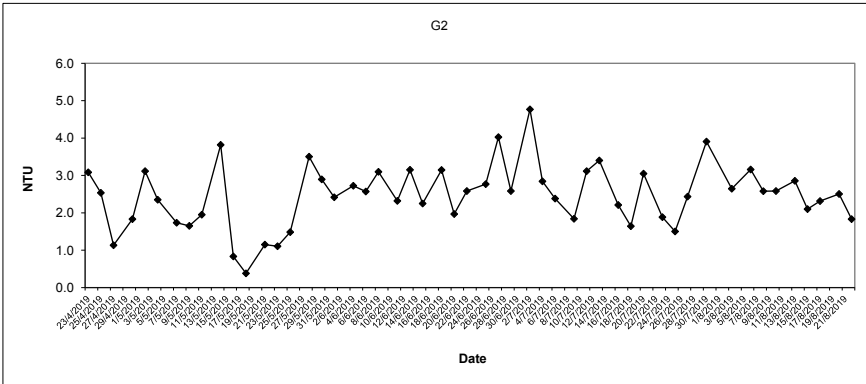
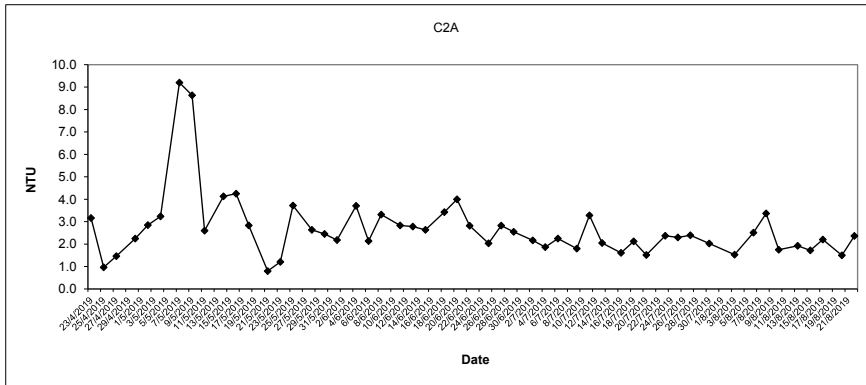
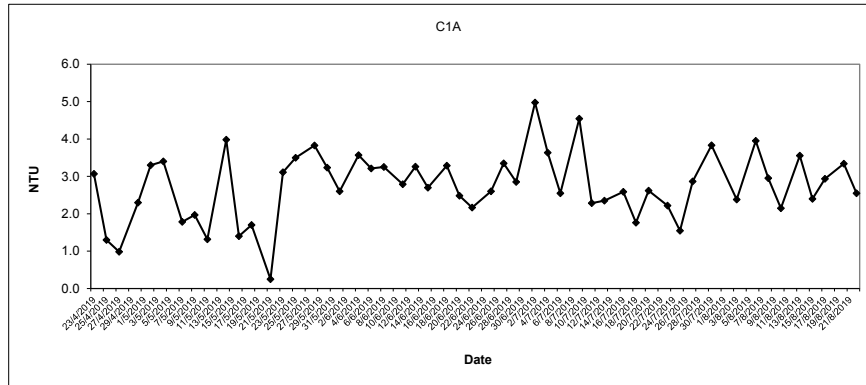
Dissolved Oxygen (Bottom) at Mid-Ebb Tide



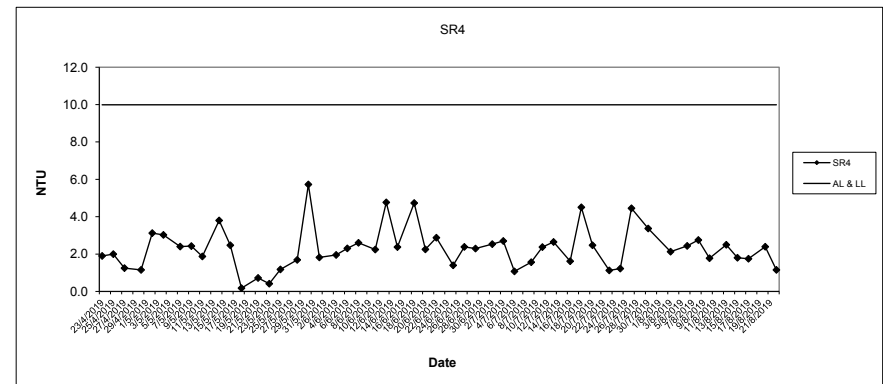
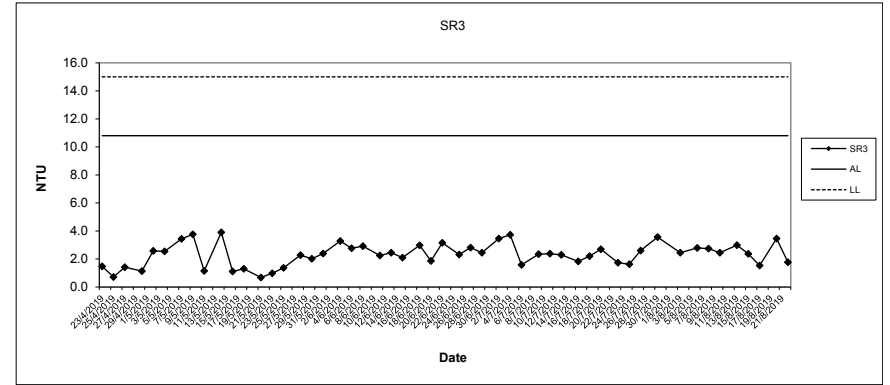
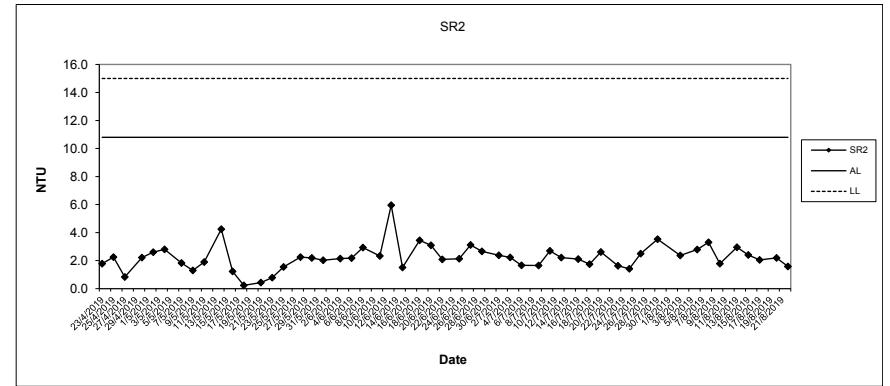
Dissolved Oxygen (Bottom) at Mid-Ebb Tide



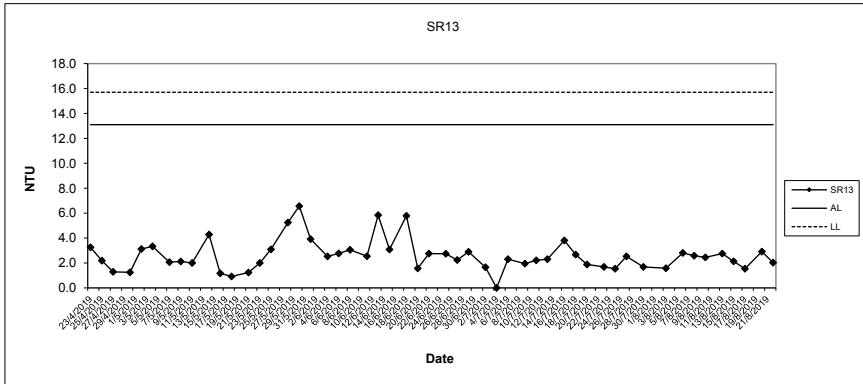
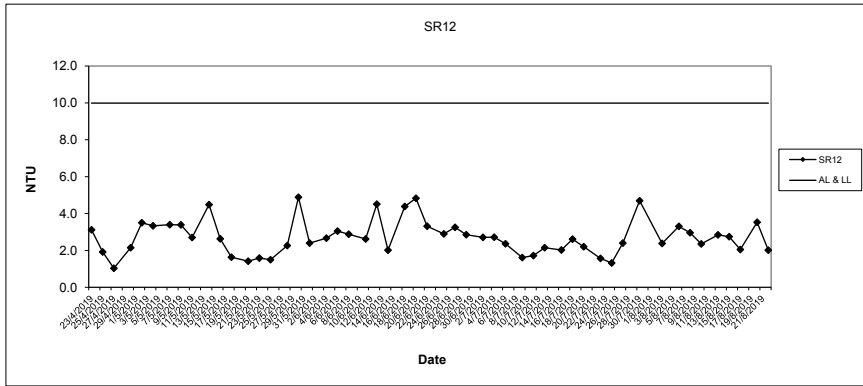
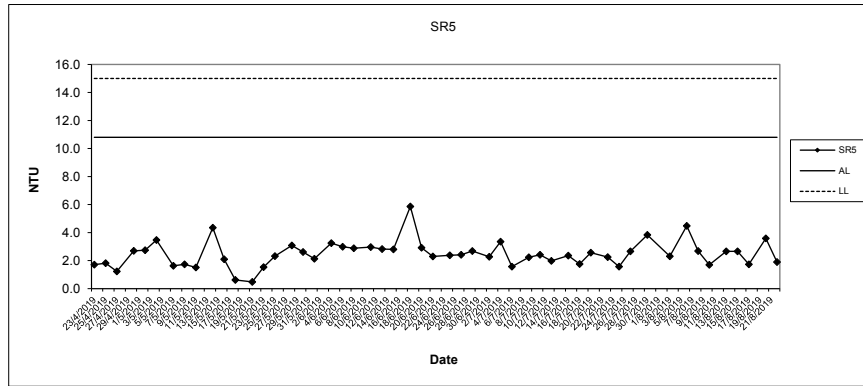
Turbidity (Depth average) at Mid-Ebb Tide



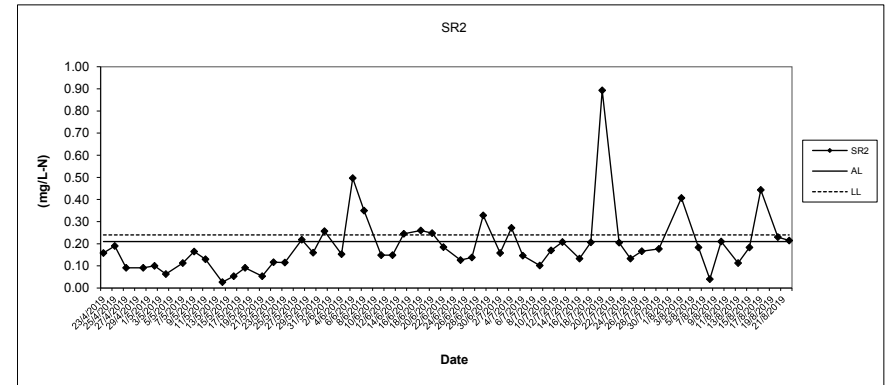
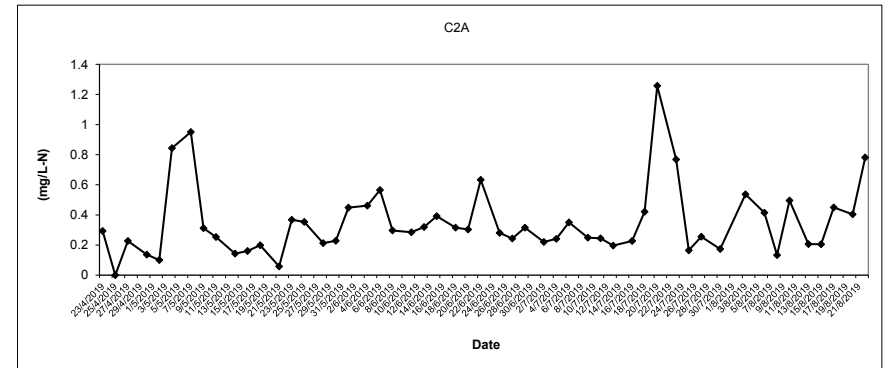
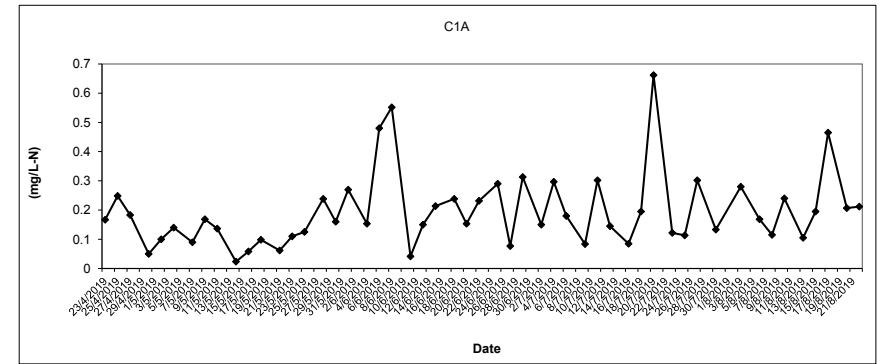
Turbidity (Depth average) at Mid-Ebb Tide



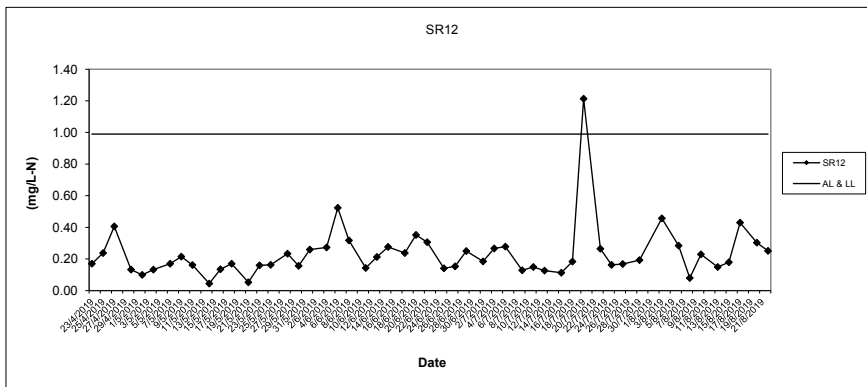
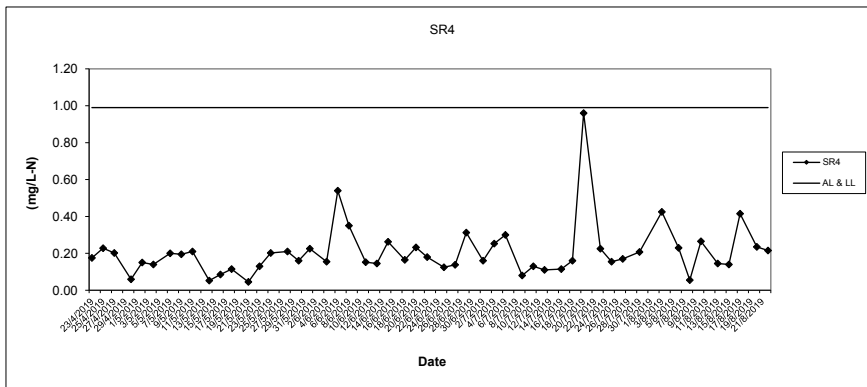
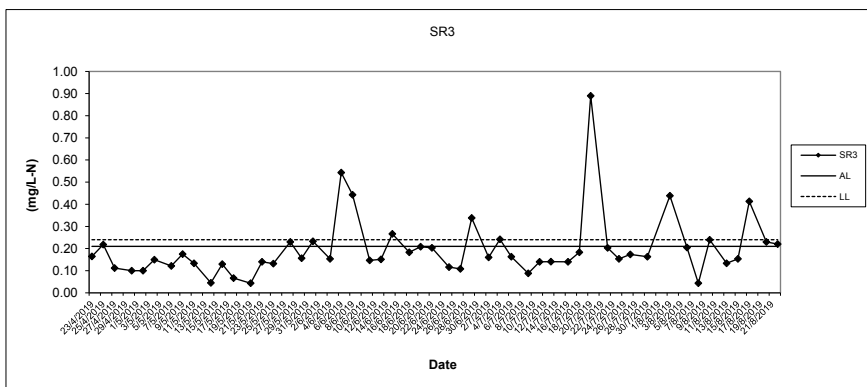
Turbidity (Depth average) at Mid-Ebb Tide



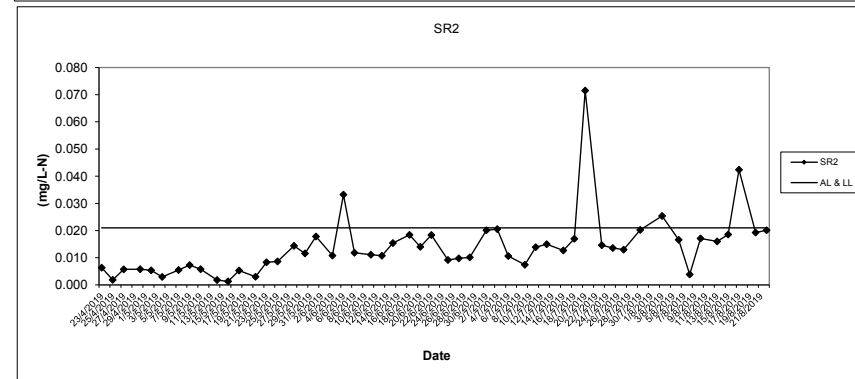
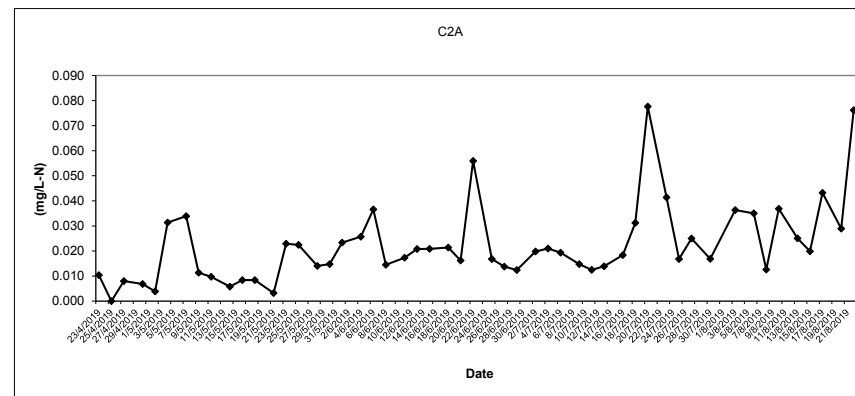
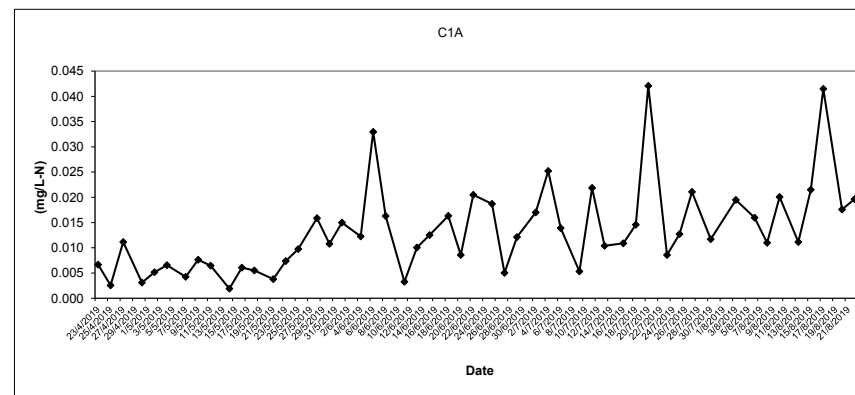
In-situ Ammonia (Depth average) at Mid-Ebb Tide



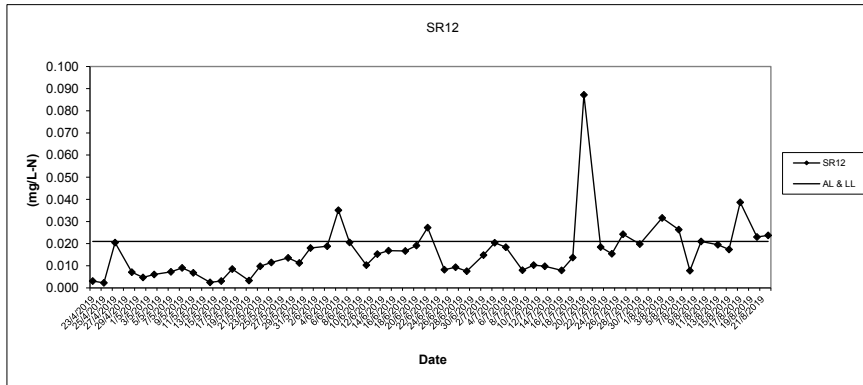
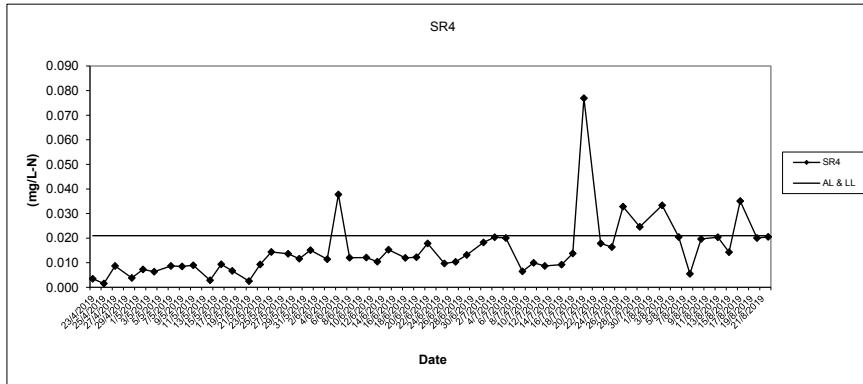
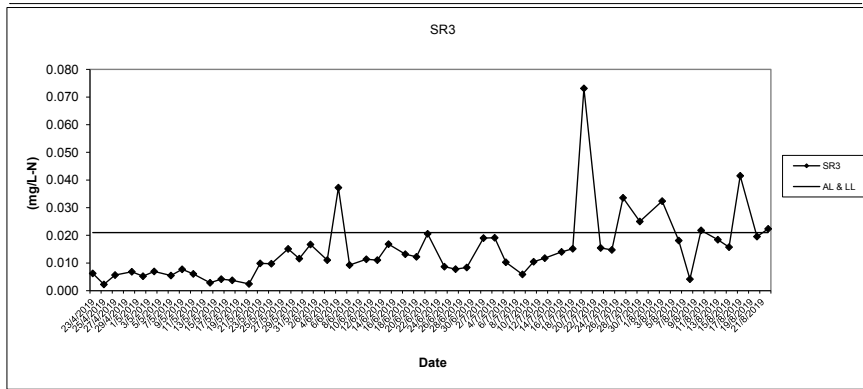
In-situ Ammonia (Depth average) at Mid-Ebb Tide



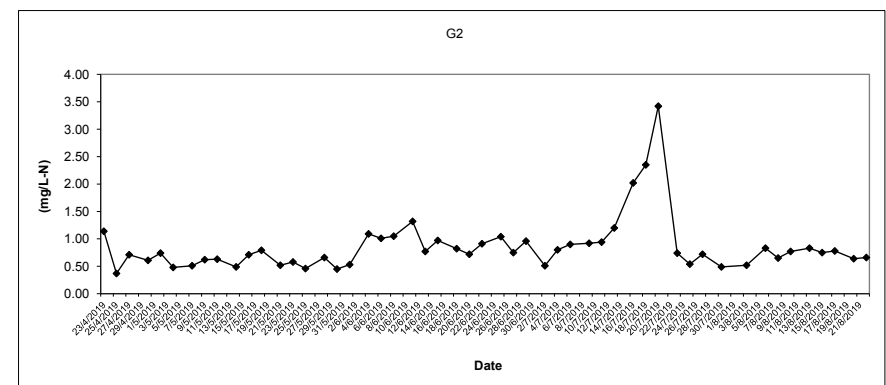
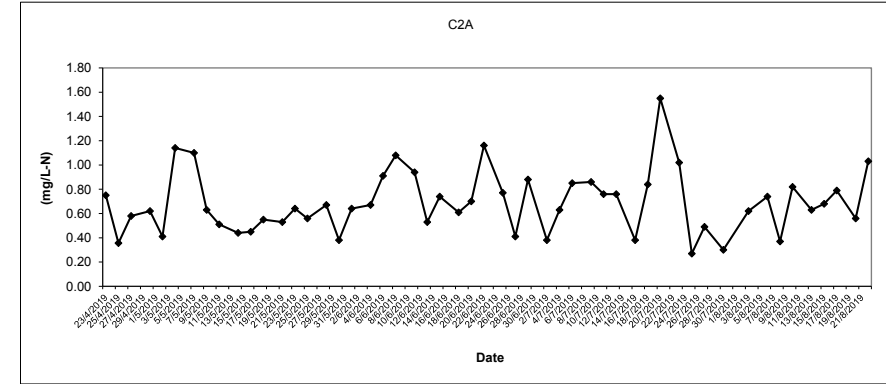
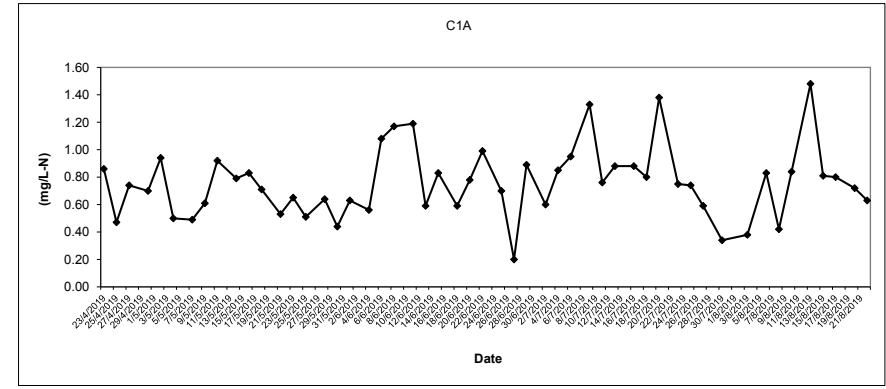
In-situ UIA (Depth average) at Mid-Ebb Tide



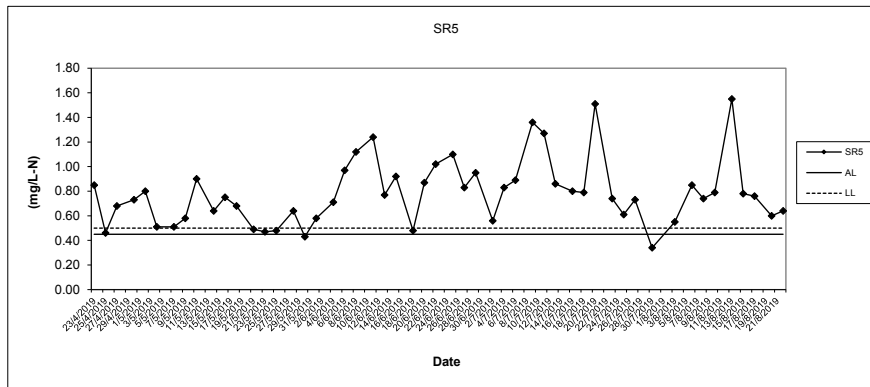
In-situ UIA (Depth average) at Mid-Ebb Tide



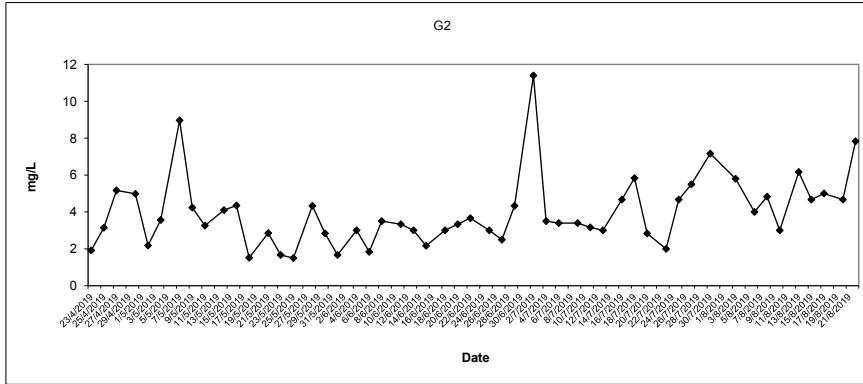
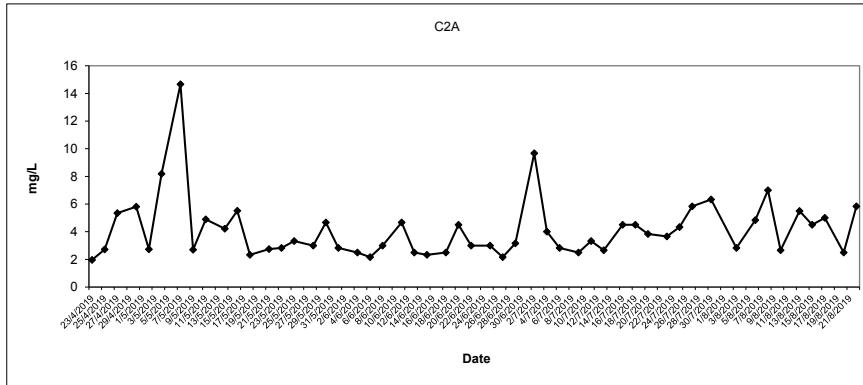
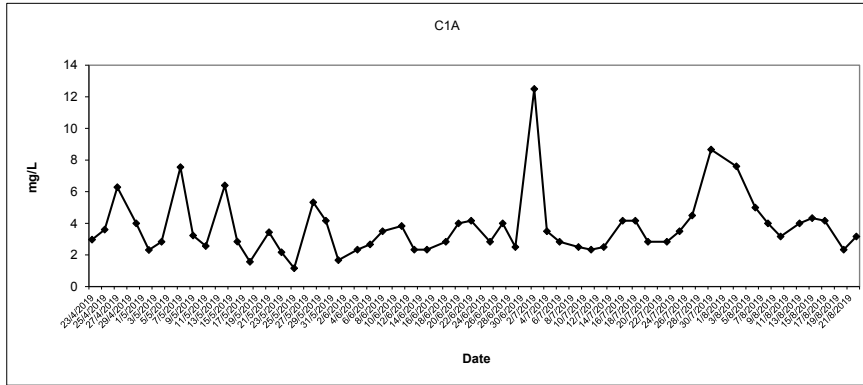
In-situ TIN (Depth average) at Mid-Ebb Tide



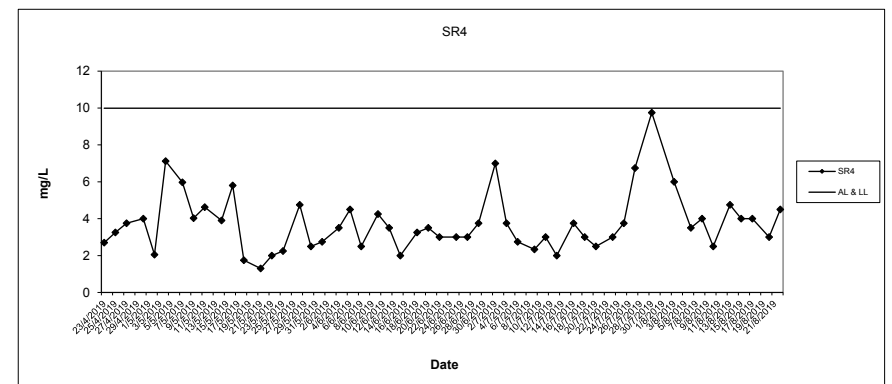
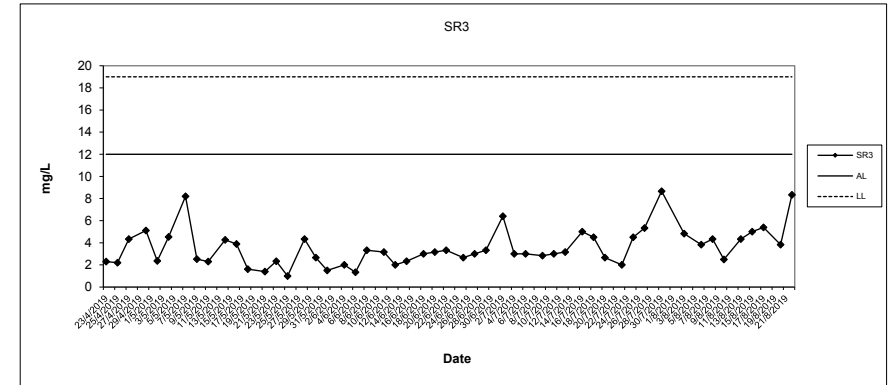
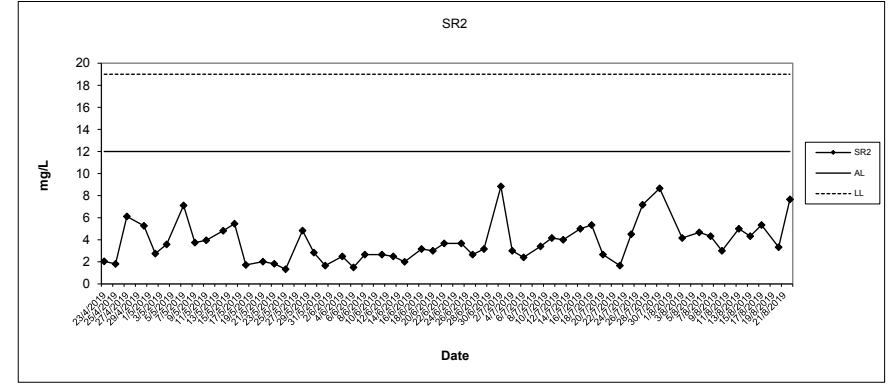
In-situ TIN (Depth average) at Mid-Ebb Tide



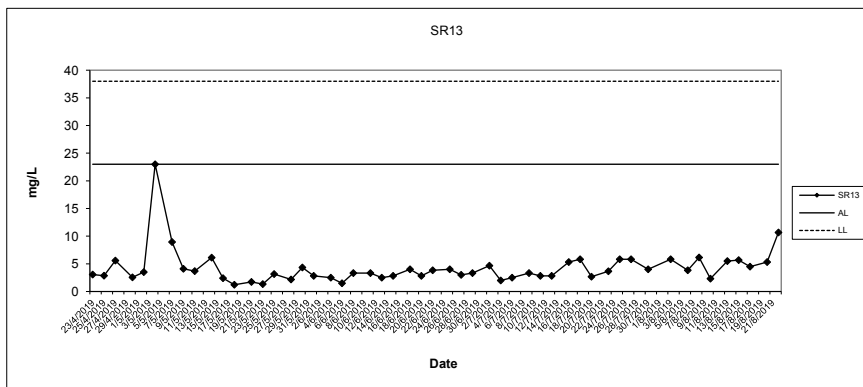
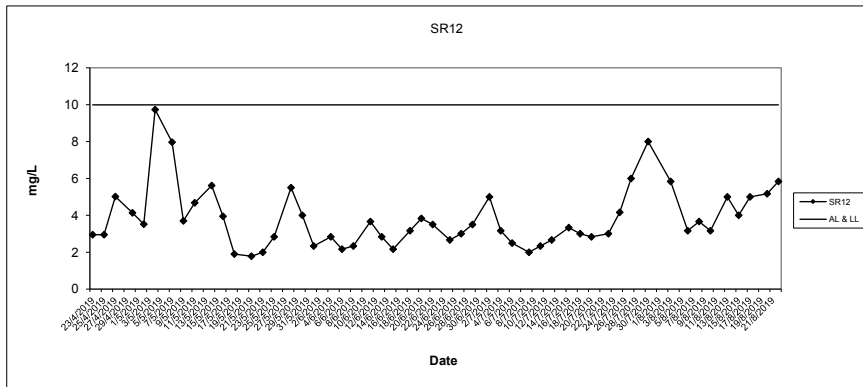
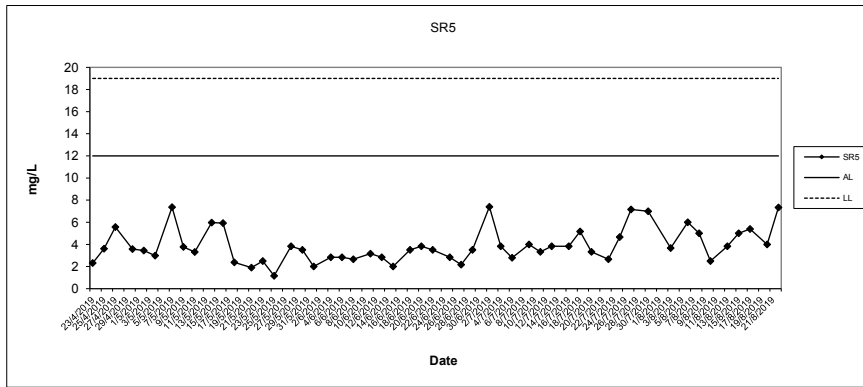
Total Suspended Solids (Depth average) at Mid-Ebb Tide



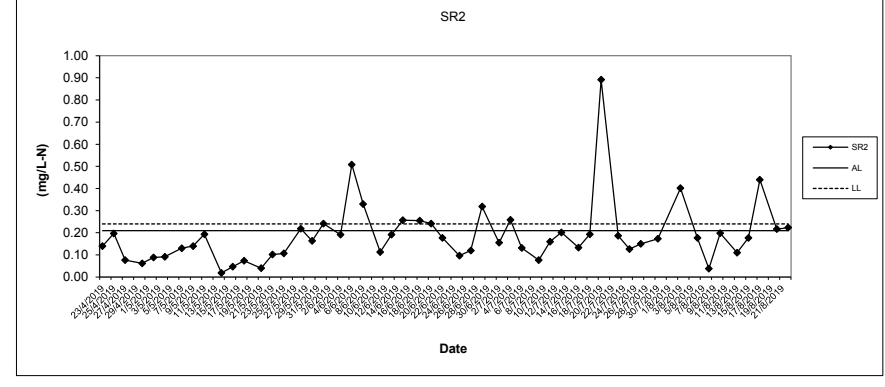
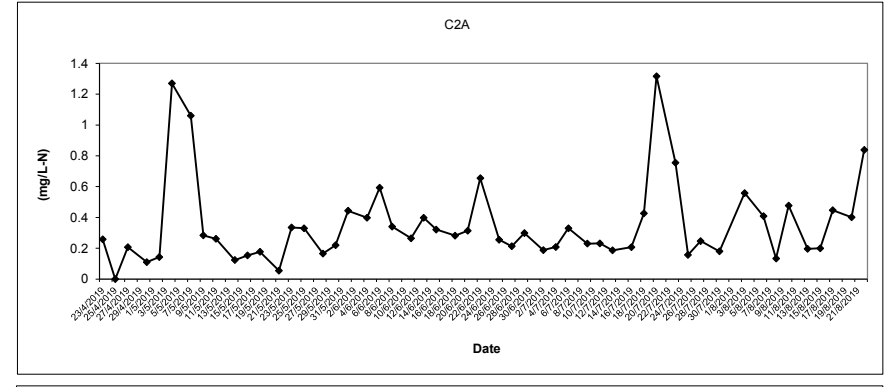
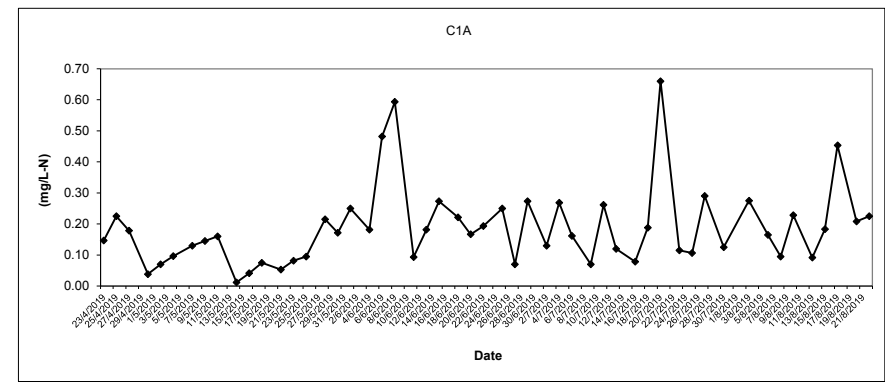
Total Suspended Solids (Depth average) at Mid-Ebb Tide



Total Suspended Solids (Depth average) at Mid-Ebb Tide

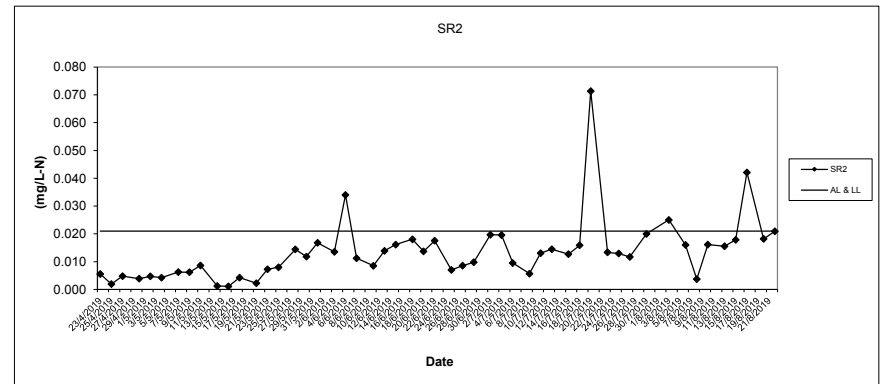
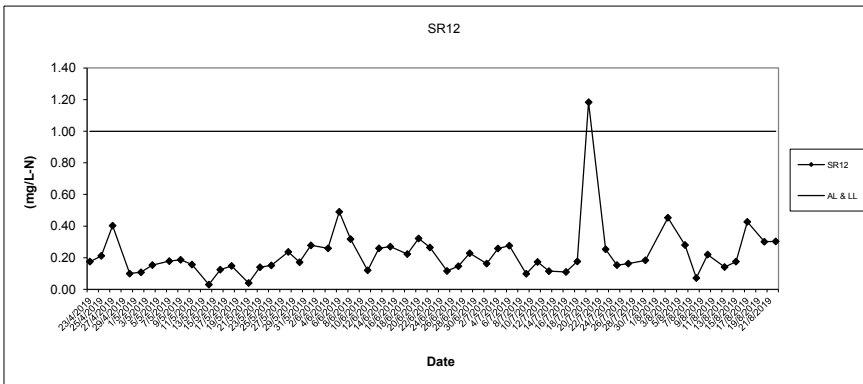
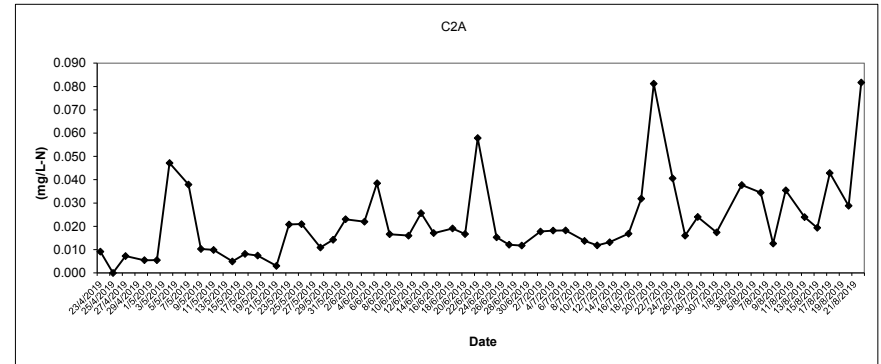
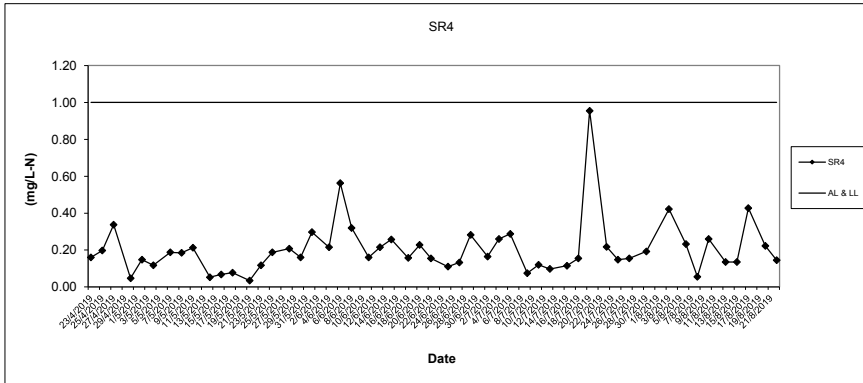
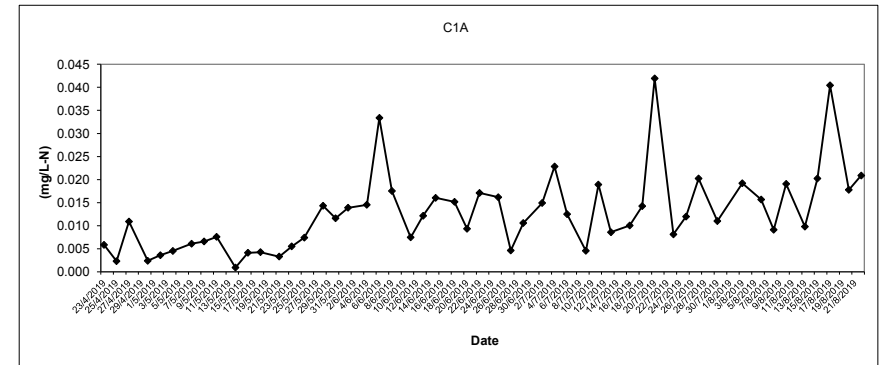
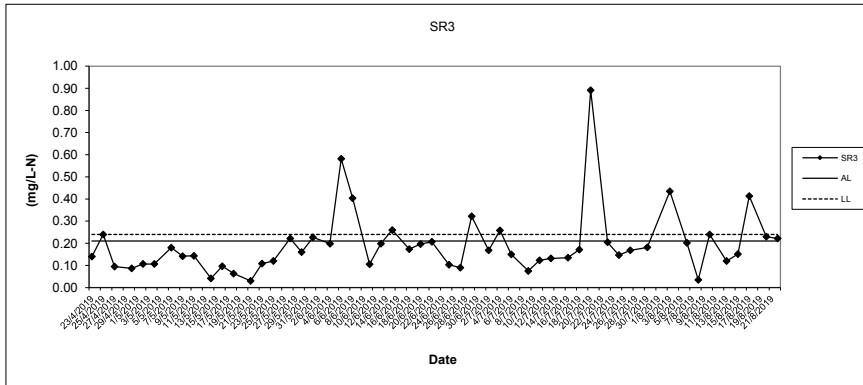


Ammonia Nitrogen (Depth average) at Mid-Ebb Tide

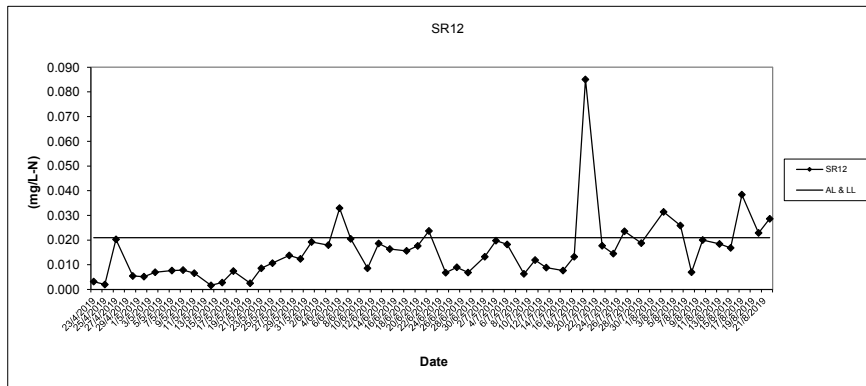
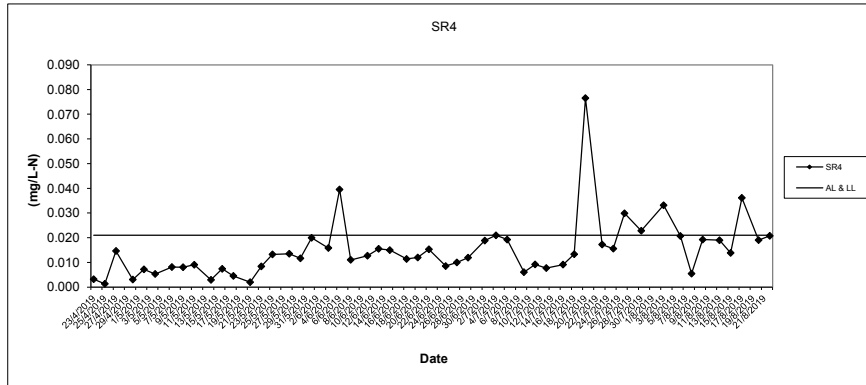
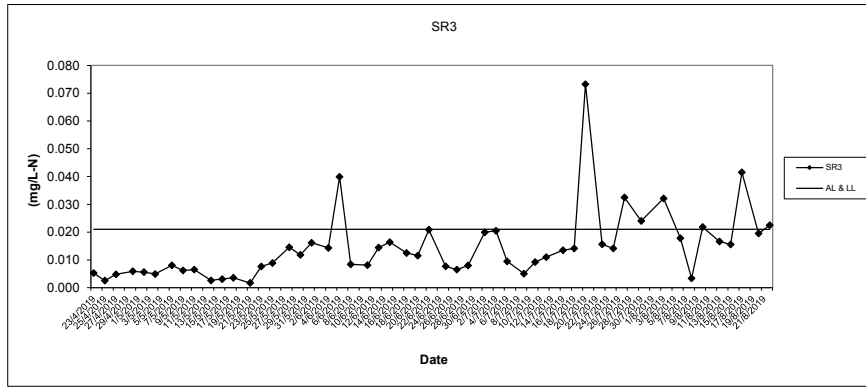


Ammonia Nitrogen (Depth average) at Mid-Ebb Tide

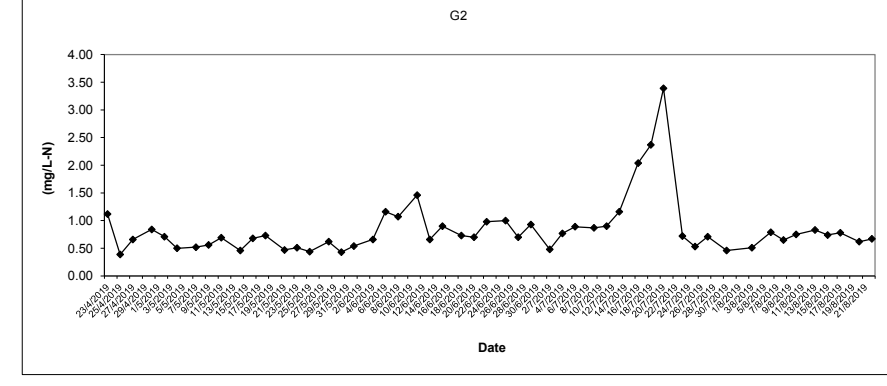
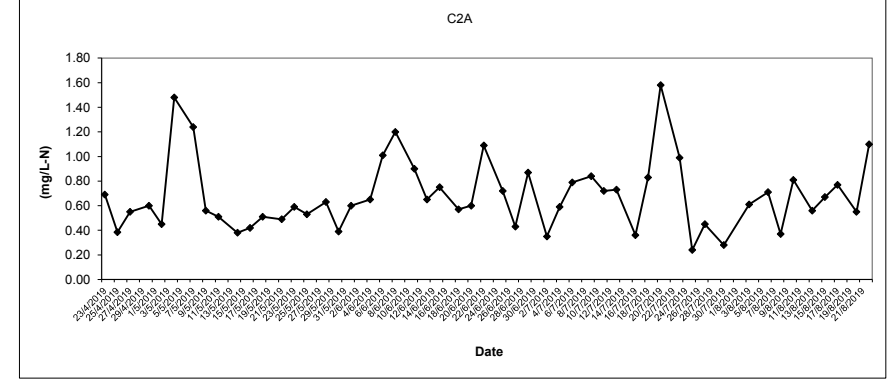
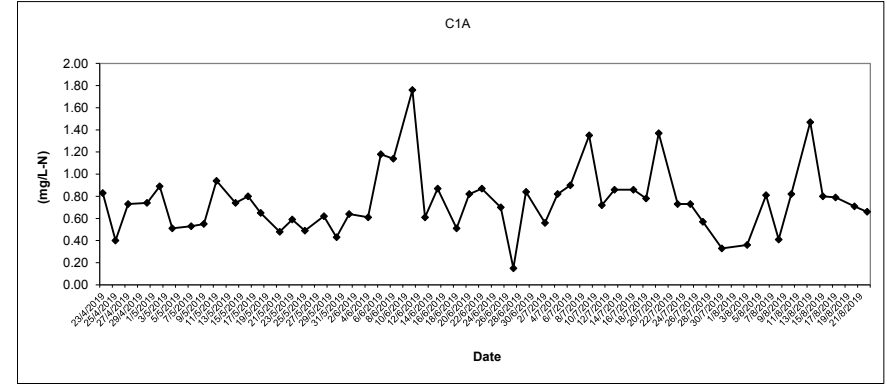
Laboratory Analysis UIA (Depth average) at Mid-Ebb Tide



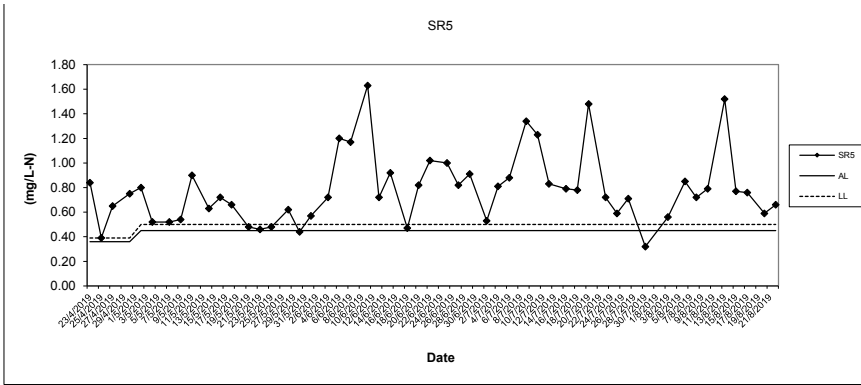
Laboratory Analysis UIA (Depth average) at Mid-Ebb Tide



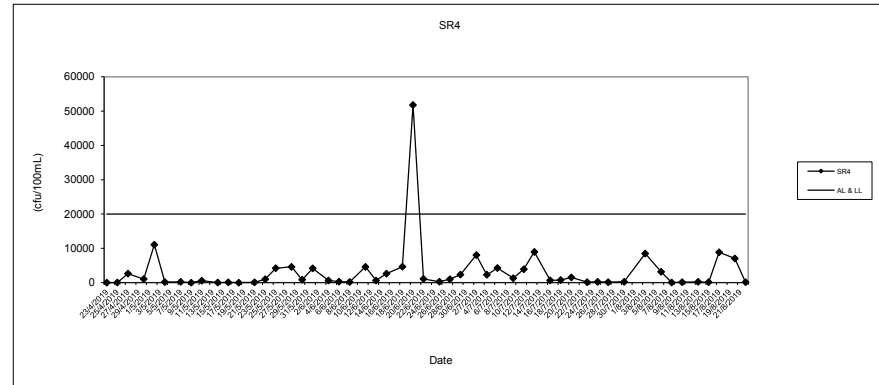
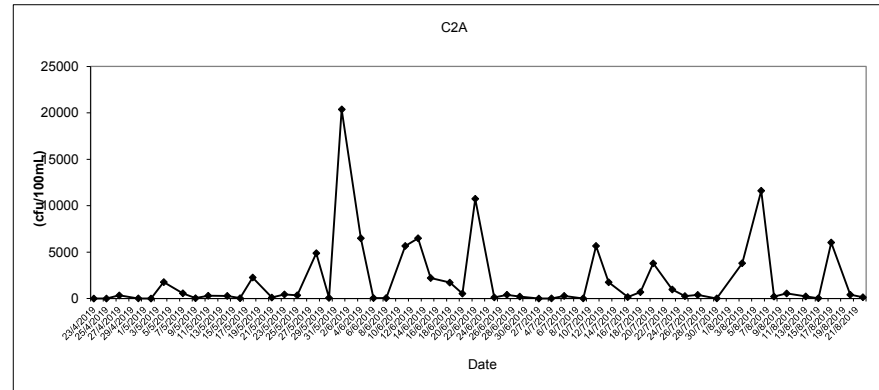
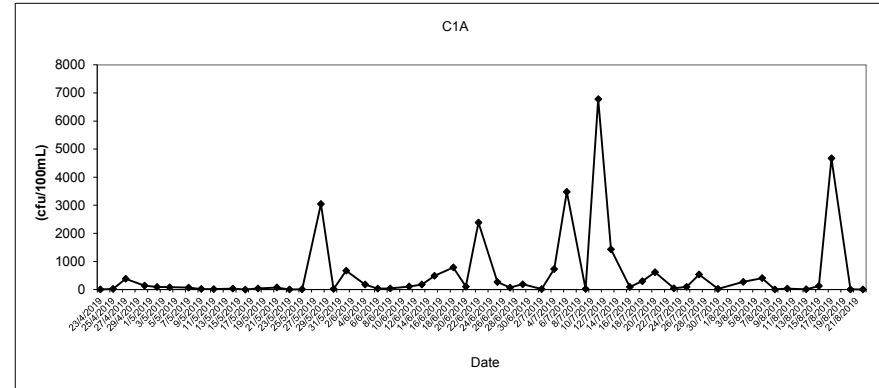
Laboratory Analysis TIN (Depth average) at Mid-Ebb Tide



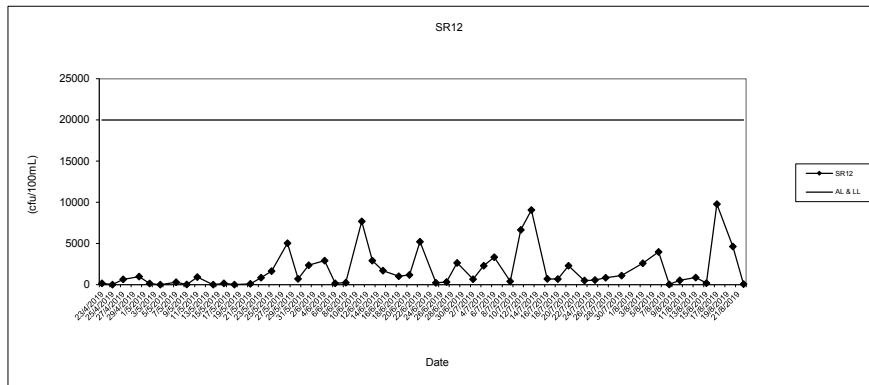
Laboratory Analysis TIN (Depth average) at Mid-Ebb Tide



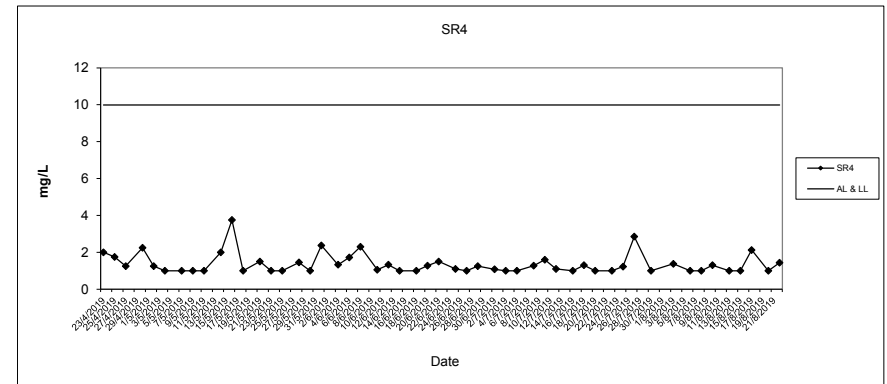
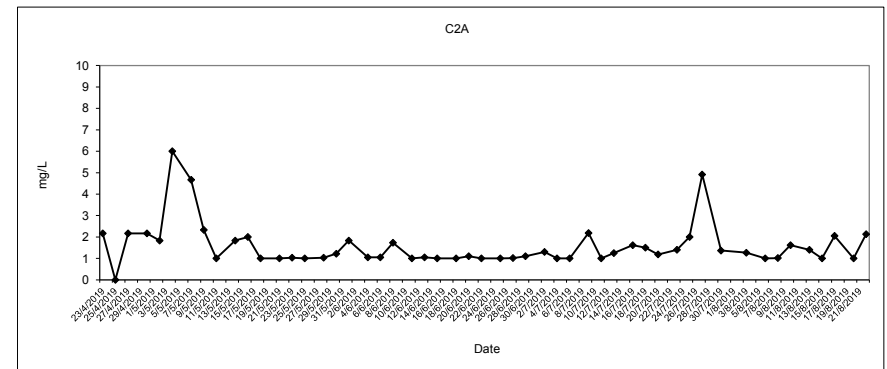
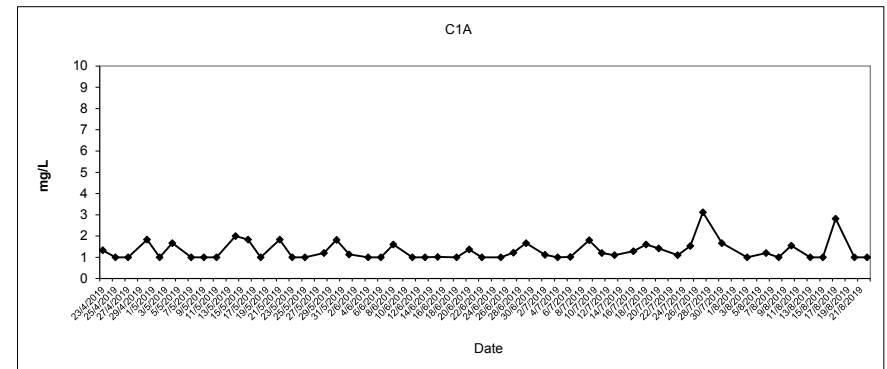
E.coli (Depth average) at Mid-Ebb Tide



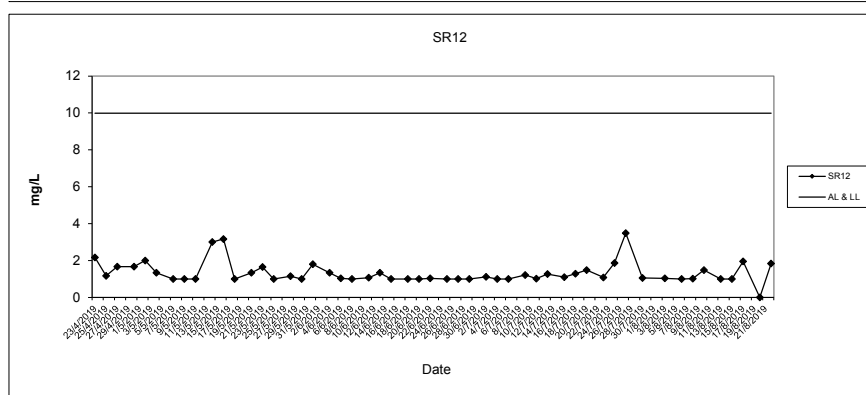
E.coli (Depth average) at Mid-Ebb Tide



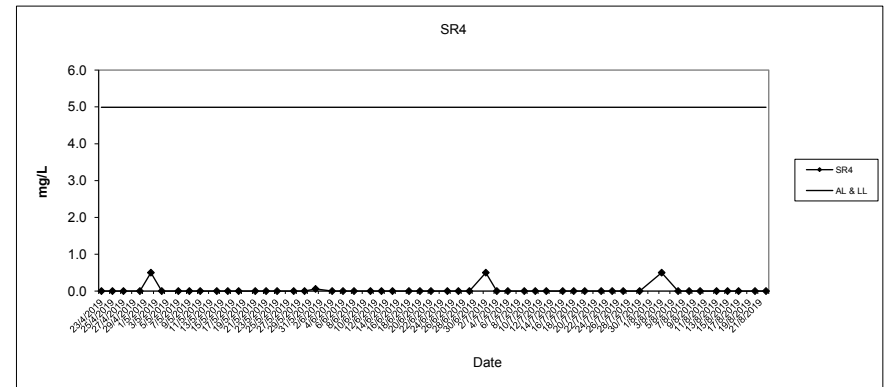
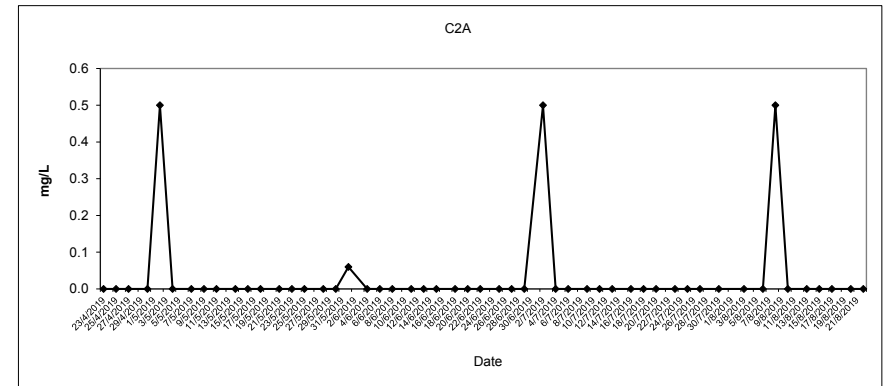
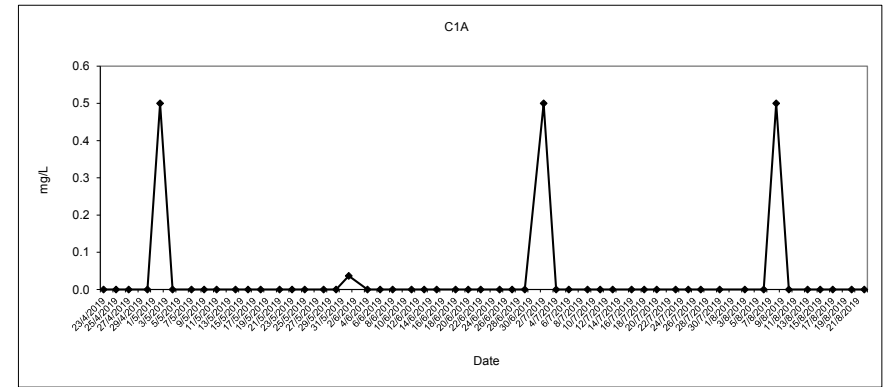
BOD₅ (Depth average) at Mid-Ebb Tide



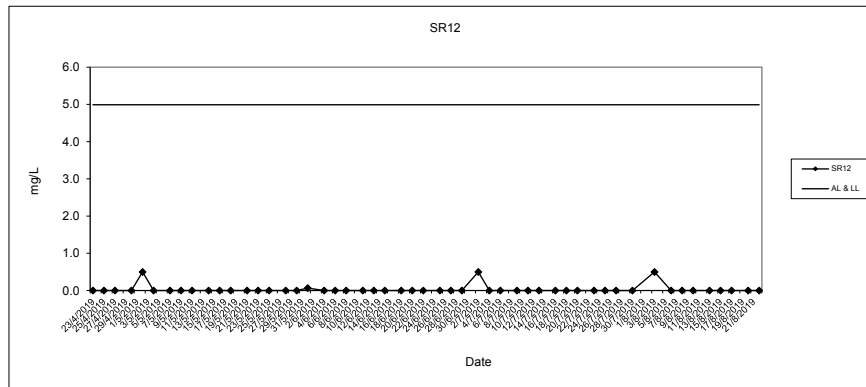
BOD₅ (Depth average) at Mid-Ebb Tide



Synthetic Detergent (Depth average) at Mid-Ebb Tide



Synthetic Detergent (Depth average) at Mid-Ebb Tide



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Appendix G

Water Quality Monitoring Results and Graphical Presentation – 24-hr Monitoring

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	7/23/2019 0:01	27.30	76.6	5.71	8.0	SR4	7/23/2019 6:01	27.04	65.4	4.89	7.6	SR4	7/23/2019 12:01	27.17	68.2	5.04	18.5	SR4	7/23/2019 18:01	27.30	80.0	5.87	7.5
SR4	7/23/2019 0:06	27.36	73.3	5.48	7.9	SR4	7/23/2019 6:06	27.12	65.4	4.88	6.0	SR4	7/23/2019 12:06	27.19	68.4	5.06	8.2	SR4	7/23/2019 18:06	27.31	79.2	5.81	7.6
SR4	7/23/2019 0:11	27.34	76.3	5.69	6.9	SR4	7/23/2019 6:11	27.03	66.3	4.96	6.5	SR4	7/23/2019 12:11	27.06	67.4	4.99	7.5	SR4	7/23/2019 18:11	27.30	79.3	5.82	7.8
SR4	7/23/2019 0:16	27.44	77.0	5.73	6.9	SR4	7/23/2019 6:16	27.15	67.0	5.00	5.9	SR4	7/23/2019 12:16	27.07	67.9	5.01	6.5	SR4	7/23/2019 18:16	27.30	79.4	5.83	8.5
SR4	7/23/2019 0:21	27.30	78.6	5.85	6.8	SR4	7/23/2019 6:21	27.02	66.8	4.99	7.4	SR4	7/23/2019 12:21	27.11	68.5	5.07	8.0	SR4	7/23/2019 18:21	27.32	79.8	5.86	7.9
SR4	7/23/2019 0:26	27.20	80.1	5.95	6.9	SR4	7/23/2019 6:26	27.03	66.0	4.93	7.4	SR4	7/23/2019 12:26	26.97	66.2	4.90	8.2	SR4	7/23/2019 18:26	27.31	79.5	5.84	7.5
SR4	7/23/2019 0:31	27.18	79.5	5.91	6.8	SR4	7/23/2019 6:31	27.16	68.2	5.09	8.1	SR4	7/23/2019 12:31	27.21	68.2	5.04	8.4	SR4	7/23/2019 18:31	27.34	80.5	5.91	7.6
SR4	7/23/2019 0:36	27.19	77.1	5.74	7.1	SR4	7/23/2019 6:36	27.11	69.2	5.18	6.6	SR4	7/23/2019 12:36	27.38	71.2	5.25	7.4	SR4	7/23/2019 18:36	27.37	79.7	5.85	7.6
SR4	7/23/2019 0:41	27.17	76.1	5.67	5.8	SR4	7/23/2019 6:41	27.07	67.9	5.08	6.4	SR4	7/23/2019 12:41	27.18	71.0	5.24	6.4	SR4	7/23/2019 18:41	27.36	79.5	5.83	7.8
SR4	7/23/2019 0:46	27.38	75.6	5.64	5.5	SR4	7/23/2019 6:46	27.09	67.5	5.04	7.1	SR4	7/23/2019 12:46	27.20	71.0	5.25	7.8	SR4	7/23/2019 18:46	27.35	78.3	5.76	8.3
SR4	7/23/2019 0:51	27.40	74.5	5.56	6.2	SR4	7/23/2019 6:51	27.14	69.6	5.19	6.9	SR4	7/23/2019 12:51	27.31	71.9	5.30	8.3	SR4	7/23/2019 18:51	27.35	78.1	5.74	8.4
SR4	7/23/2019 0:56	27.40	68.6	5.10	6.3	SR4	7/23/2019 6:56	27.18	69.5	5.19	7.6	SR4	7/23/2019 12:56	27.43	72.5	5.33	7.1	SR4	7/23/2019 18:56	27.38	78.6	5.78	7.0
SR4	7/23/2019 1:01	27.40	68.4	5.08	7.4	SR4	7/23/2019 7:01	27.17	69.1	5.16	6.4	SR4	7/23/2019 13:01	27.64	76.0	5.57	6.3	SR4	7/23/2019 19:01	27.39	78.4	5.76	7.7
SR4	7/23/2019 1:06	27.40	67.9	5.05	6.8	SR4	7/23/2019 7:06	27.14	70.3	5.24	8.4	SR4	7/23/2019 13:06	27.60	75.0	5.50	7.5	SR4	7/23/2019 19:06	27.39	77.5	5.69	8.2
SR4	7/23/2019 1:11	27.40	69.1	5.14	5.9	SR4	7/23/2019 7:11	27.15	70.9	5.28	7.8	SR4	7/23/2019 13:11	27.66	75.2	5.51	6.1	SR4	7/23/2019 19:11	27.40	77.6	5.70	7.7
SR4	7/23/2019 1:16	27.40	67.9	5.06	6.8	SR4	7/23/2019 7:16	27.22	67.6	5.03	7.7	SR4	7/23/2019 13:16	27.62	76.1	5.59	6.6	SR4	7/23/2019 19:16	27.43	78.1	5.75	8.0
SR4	7/23/2019 1:21	27.40	68.9	5.13	7.5	SR4	7/23/2019 7:21	27.27	72.0	5.35	6.6	SR4	7/23/2019 13:21	27.55	77.1	5.67	6.3	SR4	7/23/2019 19:21	27.41	76.6	5.63	7.6
SR4	7/23/2019 1:26	27.50	69.0	5.14	7.6	SR4	7/23/2019 7:26	27.23	72.9	5.42	7.5	SR4	7/23/2019 13:26	27.59	78.4	5.76	5.7	SR4	7/23/2019 19:26	27.44	77.9	5.73	7.3
SR4	7/23/2019 1:31	27.50	66.9	4.99	7.5	SR4	7/23/2019 7:31	27.14	71.5	5.32	8.6	SR4	7/23/2019 13:31	27.67	78.6	5.79	7.9	SR4	7/23/2019 19:31	27.44	77.5	5.70	7.8
SR4	7/23/2019 1:36	27.40	66.5	4.96	6.0	SR4	7/23/2019 7:36	27.23	74.2	5.52	8.0	SR4	7/23/2019 13:36	27.72	79.0	5.80	6.5	SR4	7/23/2019 19:36	27.45	77.1	5.66	7.8
SR4	7/23/2019 1:41	27.40	68.8	5.14	7.4	SR4	7/23/2019 7:41	27.19	74.9	5.58	7.7	SR4	7/23/2019 13:41	27.42	76.4	5.61	7.2	SR4	7/23/2019 19:41	27.44	76.5	5.63	8.4
SR4	7/23/2019 1:46	27.40	68.6	5.12	7.2	SR4	7/23/2019 7:46	27.19	73.2	5.45	7.0	SR4	7/23/2019 13:46	27.56	77.0	5.66	8.1	SR4	7/23/2019 19:46	27.44	76.9	5.66	7.1
SR4	7/23/2019 1:51	27.37	66.9	4.98	6.7	SR4	7/23/2019 7:51	27.17	72.4	5.39	8.9	SR4	7/23/2019 13:51	27.53	77.3	5.68	6.8	SR4	7/23/2019 19:51	27.46	77.6	5.71	7.9
SR4	7/23/2019 1:56	27.38	69.4	5.19	6.6	SR4	7/23/2019 7:56	27.17	73.9	5.51	8.3	SR4	7/23/2019 13:56	27.29	73.4	5.42	7.3	SR4	7/23/2019 19:56	27.46	77.7	5.71	8.9
SR4	7/23/2019 2:01	27.40	68.0	5.07	6.4	SR4	7/23/2019 8:01	27.18	74.1	5.53	8.1	SR4	7/23/2019 14:01	27.35	72.2	5.32	6.2	SR4	7/23/2019 20:01	27.44	76.9	5.66	8.4
SR4	7/23/2019 2:06	27.42	67.2	5.02	7.6	SR4	7/23/2019 8:06	27.13	71.9	5.36	7.7	SR4	7/23/2019 14:06	27.28	73.2	5.39	6.1	SR4	7/23/2019 20:06	27.48	77.0	5.66	8.6
SR4	7/23/2019 2:11	27.45	66.5	4.98	6.6	SR4	7/23/2019 8:11	27.16	73.7	5.49	8.8	SR4	7/23/2019 14:11	27.37	74.6	5.51	9.0	SR4	7/23/2019 20:11	27.46	76.8	5.65	7.5
SR4	7/23/2019 2:16	27.45	67.5	5.06	8.0	SR4	7/23/2019 8:16	27.15	72.5	5.41	18.4	SR4	7/23/2019 14:16	27.51	77.2	5.68	6.2	SR4	7/23/2019 20:16	27.45	76.6	5.64	7.6
SR4	7/23/2019 2:21	27.41	68.0	5.09	6.3	SR4	7/23/2019 8:21	27.16	73.0	5.44	7.1	SR4	7/23/2019 14:21	27.55	76.3	5.60	6.8	SR4	7/23/2019 20:21	27.47	77.4	5.70	8.5
SR4	7/23/2019 2:26	27.43	68.3	5.10	6.9	SR4	7/23/2019 8:26	27.16	73.8	5.50	7.0	SR4	7/23/2019 14:26	27.12	71.2	5.25	6.1	SR4	7/23/2019 20:26	27.49	77.4	5.70	7.3
SR4	7/23/2019 2:31	27.36	67.2	5.01	7.8	SR4	7/23/2019 8:31	27.17	74.3	5.53	6.3	SR4	7/23/2019 14:31	27.28	73.5	5.42	6.3	SR4	7/23/2019 20:31	27.49	77.2	5.68	7.9
SR4	7/23/2019 2:36	27.47	67.4	5.03	7.7	SR4	7/23/2019 8:36	27.21	78.2	5.83	7.2	SR4	7/23/2019 14:36	27.42	76.0	5.59	7.7	SR4	7/23/2019 20:36	27.50	77.1	5.68	7.2
SR4	7/23/2019 2:41	27.47	69.3	5.19	8.0	SR4	7/23/2019 8:41	27.19	76.4	5.70	9.2	SR4	7/23/2019 14:41	27.34	72.7	5.35	7.4	SR4	7/23/2019 20:41	27.49	76.6	5.65	7.1
SR4	7/23/2019 2:46	27.45	66.6	4.97	6.7	SR4	7/23/2019 8:46	27.27	78.8	5.87	7.0	SR4	7/23/2019 14:46	27.26	72.2	5.32	7.2	SR4	7/23/2019 20:46	27.51	77.0	5.68	7.4
SR4	7/23/2019 2:51	27.38	64.8	4.83	6.7	SR4	7/23/2019 8:51	27.31	76.6	5.71	7.6	SR4	7/23/2019 14:51	27.45	75.3	5.53	8.1	SR4	7/23/2019 20:51	27.53	79.2	5.84	8.1
SR4	7/23/2019 2:56	27.36	64.8	4.83	5.8	SR4	7/23/2019 8:56	27.33	72.6	5.40	8.5	SR4	7/23/2019 14:56	27.52	74.3	5.46	6.8	SR4	7/23/2019 20:56	27.54	79.2	5.84	7.5
SR4	7/23/2019 3:01	27.35	64.5	4.80	6.3	SR4	7/23/2019 9:01	27.35	74.7	5.57	8.6	SR4	7/23/2019 15:01	27.26	72.9	5.36	7.8	SR4	7/23/2019 21:01	27.54	78.9	5.82	7.4
SR4	7/23/2019 3:06	27.34	64.6	4.82	7.3	SR4	7/23/2019 9:06	27.31	76.1	5.69	7.7	SR4	7/23/2019 15:06	27.38	76.7	5.65	8.1	SR4	7/23/2019 21:06	27.55	78.1	5.75	7.6
SR4	7/23/2019 3:11	27.34	66.3	4.94	7.0	SR4	7/23/2019 9:11	27.34	74.1	5.53	8.5	SR4	7/23/2019 15:11	27.39	76.2	5.61	6.8	SR4	7/23/2019 21:11	27.54	78.4	5.77	8.1
SR4	7/23/2019 3:16	27.29	64.9	4.84	6.5	SR4	7/23/2019 9:16	27.35	76.6	5.72	6.9	SR4	7/23/2019 15:16	27.35	75.0	5.52	6.7	SR4	7/23/2019 21:16	27.53	79.7	5.87	8.0
SR4	7/23/2019 3:21	27.29	64.3	4.80	7.9	SR4	7/23/2019 9:21	27.32	75.3	5.63	8.3	SR4	7/23/2019 15:21	27.61	76.9	5.63	8.2	SR4	7/23/2019 21:21	27.53	78.6	5.79	7.6
SR4	7/23/2019 3:26	27.29	65.0	4.85	7.8	SR4	7/23/2019 9:26	27.31	74.7	5.59	7.0	SR4	7/23/2019 15:26	27.55	75.8	5.56	7.7	SR4	7/23/2019 21:26	27.54	77.9	5.74	8.3
SR4	7/23/2019 3:31	27.32	64.1	4.78	7.6	SR4	7/23/2019 9:31	27.31	73.9	5.52	8.0	SR4	7/23/2019 15:31	27.65	77.1	5.65	7.5	SR4	7/23/2019 21:31	27.55	77.9	5.73	7.5
SR4	7/23/2019 3:36	27.30	66.9	5.00	7.1	SR4	7/23/2019 9:36	27.29	73.3	5.48	7.2	SR4	7/23/2019 15:36	27.46	75.6	5.56	7.6	SR4	7/23/2019 21:36	27.55	77.7	5.72	8.1
SR4	7/23/2019 3:41	27.28	66.5	4.89	7.7	SR4	7/23/2019 9:41	27.30	73.2	5.47	8.3	SR4	7/23/2019 15:41	27.43	76.4	5.61	7.1	SR4	7/23/2019 21:41	27.55	76.9	5.66	7.9
SR4	7/23/2019 3:46	27.26	64.9	4.85	7.8	SR4	7/23/2019 9:46	27.31	74.2	5.54	7.2	SR4	7/23/2019 15:46	27.31	74.4	5.48	9.1	SR4	7/23/2019 21:46	27.54	77.2	5.69	7.8
SR4	7/23/2019 3:51	27.23	64.9	4.84	6.5	SR4	7/23/2019 9:51	27.32	74.0	5.52	7.1	SR4	7/23/2019 15:51	27.45	77.3	5.67	7.9	SR4	7/23/2019 21:51	27.54	76.8	5.66	7.3
SR4	7/23/2019 3:56	27.23	64.5	4.81	6.9	SR4	7/23/2019 9:56																

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	7/23/2019 0:00	25.75	85.3	6.36	5.9	SR5	7/23/2019 6:00	27.15	77.4	5.78	6.6	SR5	7/23/2019 12:00	25.88	77.2	5.75	11.9	SR5	7/23/2019 18:00	27.89	83.8	5.86	6.9
SR5	7/23/2019 0:05	25.75	82.5	6.16	7.2	SR5	7/23/2019 6:05	27.13	77.7	5.79	4.4	SR5	7/23/2019 12:05	26.32	77.9	5.81	7.9	SR5	7/23/2019 18:05	27.98	85.3	5.96	7.6
SR5	7/23/2019 0:10	25.74	84.2	6.28	5.0	SR5	7/23/2019 6:10	27.11	77.7	5.81	5.4	SR5	7/23/2019 12:10	26.24	77.4	5.77	7.6	SR5	7/23/2019 18:10	27.86	84.4	5.91	7.6
SR5	7/23/2019 0:15	25.72	84.7	6.31	5.9	SR5	7/23/2019 6:15	27.12	78.6	5.87	5.0	SR5	7/23/2019 12:15	26.23	77.2	5.75	7.6	SR5	7/23/2019 18:15	27.69	84.6	6.27	7.3
SR5	7/23/2019 0:20	25.72	86.1	6.42	5.5	SR5	7/23/2019 6:20	27.17	77.6	5.79	6.8	SR5	7/23/2019 12:20	26.25	77.4	5.76	6.5	SR5	7/23/2019 18:20	27.93	84.5	6.26	6.8
SR5	7/23/2019 0:25	25.72	86.0	6.40	6.8	SR5	7/23/2019 6:25	27.17	77.4	5.78	5.4	SR5	7/23/2019 12:25	26.19	76.2	5.68	7.4	SR5	7/23/2019 18:25	28.23	85.4	6.33	6.2
SR5	7/23/2019 0:30	25.70	86.4	6.43	4.8	SR5	7/23/2019 6:30	27.17	79.3	5.92	7.3	SR5	7/23/2019 12:30	26.31	78.0	5.81	6.8	SR5	7/23/2019 18:30	28.33	85.5	6.33	6.6
SR5	7/23/2019 0:35	25.70	85.7	6.39	5.0	SR5	7/23/2019 6:35	27.18	79.6	5.95	6.0	SR5	7/23/2019 12:35	26.40	80.1	5.95	6.8	SR5	7/23/2019 18:35	28.28	94.9	6.61	6.9
SR5	7/23/2019 0:40	25.69	84.5	6.30	5.8	SR5	7/23/2019 6:40	27.18	78.9	5.90	6.1	SR5	7/23/2019 12:40	26.08	79.5	5.92	7.3	SR5	7/23/2019 18:40	28.08	90.6	6.32	6.7
SR5	7/23/2019 0:45	25.69	83.8	6.25	4.9	SR5	7/23/2019 6:45	27.19	79.3	5.92	6.3	SR5	7/23/2019 12:45	26.19	78.8	5.87	7.5	SR5	7/23/2019 18:45	28.32	93.6	6.52	6.7
SR5	7/23/2019 0:50	25.68	83.3	6.22	6.0	SR5	7/23/2019 6:50	27.22	79.7	5.95	6.3	SR5	7/23/2019 12:50	26.39	80.3	5.97	8.1	SR5	7/23/2019 18:50	28.33	95.0	6.61	7.4
SR5	7/23/2019 0:55	25.66	80.2	5.98	5.3	SR5	7/23/2019 6:55	27.22	79.7	5.95	5.1	SR5	7/23/2019 12:55	26.26	79.7	5.92	5.9	SR5	7/23/2019 18:55	28.25	93.3	6.50	6.6
SR5	7/23/2019 1:00	25.66	78.6	5.85	4.7	SR5	7/23/2019 7:00	27.21	79.3	5.92	4.5	SR5	7/23/2019 13:00	27.38	82.8	6.13	7.3	SR5	7/23/2019 19:00	28.37	95.6	6.65	7.1
SR5	7/23/2019 1:05	25.64	78.6	5.86	4.4	SR5	7/23/2019 7:05	27.23	80.0	5.97	6.6	SR5					SR5	7/23/2019 19:05	28.31	93.4	6.50	7.1	
SR5	7/23/2019 1:10	25.64	80.2	5.98	5.1	SR5	7/23/2019 7:10	27.24	80.0	5.97	5.8	SR5					SR5	7/23/2019 19:10	28.33	94.5	6.58	7.2	
SR5	7/23/2019 1:15	25.64	78.3	5.84	4.4	SR5	7/23/2019 7:15	27.26	78.5	5.85	6.8	SR5					SR5	7/23/2019 19:15	28.07	84.3	6.26	7.6	
SR5	7/23/2019 1:20	25.64	80.3	5.98	6.5	SR5	7/23/2019 7:20	27.34	81.7	6.08	6.2	SR5					SR5	7/23/2019 19:20	27.81	83.1	5.81	6.7	
SR5	7/23/2019 1:25	25.63	79.9	5.95	6.7	SR5	7/23/2019 7:25	27.35	82.3	6.13	7.0	SR5	7/23/2019 13:25	27.47	84.8	6.29	6.2	SR5	7/23/2019 19:25	27.88	83.5	5.84	6.5
SR5	7/23/2019 1:30	25.63	78.8	5.88	5.7	SR5	7/23/2019 7:30	27.35	81.1	6.04	5.8	SR5	7/23/2019 13:30	27.06	84.2	6.25	8.4	SR5	7/23/2019 19:30	27.90	83.2	5.81	6.6
SR5	7/23/2019 1:35	25.63	77.9	5.81	5.5	SR5	7/23/2019 7:35	27.34	82.7	6.16	5.6	SR5	7/23/2019 13:35	27.21	84.3	6.25	5.8	SR5	7/23/2019 19:35	28.26	88.5	6.17	6.4
SR5	7/23/2019 1:40	25.64	79.1	5.90	6.8	SR5	7/23/2019 7:40	27.33	83.9	6.26	6.5	SR5	7/23/2019 13:40	27.04	82.7	6.13	6.7	SR5	7/23/2019 19:40	27.68	79.5	5.57	6.9
SR5	7/23/2019 1:45	25.64	79.3	5.92	6.8	SR5	7/23/2019 7:45	27.33	82.7	6.16	6.1	SR5	7/23/2019 13:45	27.08	83.9	6.23	7.4	SR5	7/23/2019 19:45	27.67	79.1	5.54	7.0
SR5	7/23/2019 1:50	25.65	77.6	5.78	4.5	SR5	7/23/2019 7:50	27.32	81.3	6.06	5.5	SR5	7/23/2019 13:50	27.14	83.2	6.17	7.2	SR5	7/23/2019 19:50	27.74	80.1	5.60	6.7
SR5	7/23/2019 1:55	25.69	80.1	5.98	5.8	SR5	7/23/2019 7:55	27.33	83.6	6.23	5.2	SR5	7/23/2019 13:55	27.12	81.2	6.04	6.5	SR5	7/23/2019 19:55	28.20	91.0	6.35	6.1
SR5	7/23/2019 2:00	26.27	79.0	5.89	5.7	SR5	7/23/2019 8:00	27.33	82.6	6.16	6.5	SR5	7/23/2019 14:00	27.22	80.6	5.99	5.6	SR5	7/23/2019 20:00	28.14	91.2	6.37	8.1
SR5	7/23/2019 2:05	26.14	79.0	5.90	7.1	SR5	7/23/2019 8:05	27.34	82.3	6.14	5.4	SR5	7/23/2019 14:05	27.12	80.3	5.96	7.2	SR5	7/23/2019 20:05	28.11	89.7	6.27	7.3
SR5	7/23/2019 2:10	26.06	77.1	5.77	4.5	SR5	7/23/2019 8:10	27.32	82.6	6.16	7.0	SR5	7/23/2019 14:10	27.39	81.8	6.08	8.0	SR5	7/23/2019 20:10	27.87	84.8	5.94	7.2
SR5	7/23/2019 2:15	26.33	78.6	5.88	6.7	SR5	7/23/2019 8:15	27.31	81.1	6.05	10.7	SR5	7/23/2019 14:15	27.29	83.6	6.21	5.9	SR5	7/23/2019 20:15	28.13	90.2	6.31	6.6
SR5	7/23/2019 2:20	26.15	78.8	5.89	4.3	SR5	7/23/2019 8:20	27.30	81.6	6.09	5.0	SR5	7/23/2019 14:20	27.30	83.3	6.18	7.3	SR5	7/23/2019 20:20	28.20	91.4	6.39	8.5
SR5	7/23/2019 2:25	26.30	79.3	5.92	4.5	SR5	7/23/2019 8:25	27.31	83.5	6.22	5.2	SR5	7/23/2019 14:25	27.27	80.1	5.96	6.3	SR5	7/23/2019 20:25	28.17	91.2	6.38	6.0
SR5	7/23/2019 2:30	26.31	78.4	5.85	6.2	SR5	7/23/2019 8:30	27.32	82.9	6.18	5.8	SR5	7/23/2019 14:30	27.38	80.8	6.00	7.4	SR5	7/23/2019 20:30	28.10	89.8	6.28	7.4
SR5	7/23/2019 2:35	26.21	78.5	5.86	5.8	SR5	7/23/2019 8:35	27.34	85.3	6.37	6.9	SR5	7/23/2019 14:35	27.47	82.7	6.13	6.4	SR5	7/23/2019 20:35	28.17	90.6	6.34	7.9
SR5	7/23/2019 2:40	26.14	80.5	6.02	6.6	SR5	7/23/2019 8:40	27.30	84.5	6.31	7.7	SR5	7/23/2019 14:40	27.28	80.4	5.97	7.7	SR5	7/23/2019 20:40	28.14	89.3	6.25	7.4
SR5	7/23/2019 2:45	26.03	77.8	5.80	6.4	SR5	7/23/2019 8:45	27.30	86.6	6.45	5.2	SR5	7/23/2019 14:45	27.56	80.5	5.99	7.6	SR5	7/23/2019 20:45	28.10	86.3	6.04	6.8
SR5	7/23/2019 2:50	26.00	76.8	5.73	6.1	SR5	7/23/2019 8:50	27.29	85.4	6.36	7.2	SR5	7/23/2019 14:50	27.62	82.3	5.72	7.0	SR5	7/23/2019 20:50	28.15	88.4	6.19	7.2
SR5	7/23/2019 2:55	25.97	76.2	5.68	5.3	SR5	7/23/2019 8:55	27.27	82.1	6.11	6.2	SR5	7/23/2019 14:55	27.86	85.4	5.95	6.5	SR5	7/23/2019 20:55	28.11	87.6	6.14	7.9
SR5	7/23/2019 3:00	25.91	76.5	5.70	4.5	SR5	7/23/2019 9:00	27.29	83.4	6.22	7.5	SR5	7/23/2019 15:00	27.61	82.9	5.78	7.4	SR5	7/23/2019 21:00	28.10	86.9	6.08	8.0
SR5	7/23/2019 3:05	25.93	77.2	5.76	5.7	SR5	7/23/2019 9:05	27.31	84.0	6.27	5.4	SR5	7/23/2019 15:05	27.61	83.6	6.21	8.4	SR5	7/23/2019 21:05	28.11	87.4	6.12	7.2
SR5	7/23/2019 3:10	25.94	77.7	5.79	6.5	SR5	7/23/2019 9:10	27.31	83.1	6.20	6.6	SR5	7/23/2019 15:10	27.50	81.5	5.68	7.9	SR5	7/23/2019 21:10	28.08	86.1	6.03	6.5
SR5	7/23/2019 3:15	26.07	76.6	5.71	5.7	SR5	7/23/2019 9:15	27.30	84.0	6.27	6.4	SR5	7/23/2019 15:15	27.51	80.8	5.63	6.7	SR5	7/23/2019 21:15	28.08	86.6	6.06	7.4
SR5	7/23/2019 3:20	26.26	76.8	5.73	7.3	SR5	7/23/2019 9:20	27.31	83.3	6.22	6.3	SR5	7/23/2019 15:20	27.45	80.4	5.60	6.7	SR5	7/23/2019 21:20	28.01	84.1	5.89	7.3
SR5	7/23/2019 3:25	26.42	77.1	5.76	5.0	SR5	7/23/2019 9:25	27.28	83.3	6.23	5.8	SR5	7/23/2019 15:25	27.40	80.1	5.58	7.2	SR5	7/23/2019 21:25	27.97	83.7	5.87	7.9
SR5	7/23/2019 3:30	26.49	76.4	5.70	7.1	SR5	7/23/2019 9:30	27.30	82.5	6.16	5.5	SR5	7/23/2019 15:30	27.85	82.9	6.14	8.2	SR5	7/23/2019 21:30	28.00	83.0	5.81	7.1
SR5	7/23/2019 3:35	26.50	78.3	5.85	7.0	SR5	7/23/2019 9:35	27.30	82.8	6.19	5.4	SR5	7/23/2019 15:35	27.90	82.5	6.12	6.6	SR5	7/23/2019 21:35	28.12	84.1	5.88	6.9
SR5	7/23/2019 3:40	26.45	76.7	5.73	6.6	SR5	7/23/2019 9:40	27.26	83.1	6.21	6.7	SR5	7/23/2019 15:40	27.78	82.6	6.12	6.9	SR5	7/23/2019 21:40	28.14	84.3	5.89	6.4
SR5	7/23/2019 3:45	26.56	76.1	5.68	4.9	SR5	7/23/2019 9:45	27.29	83.2	6.21	4.7	SR5	7/23/2019 15:45	28.00	86.7	6.01	8.1	SR5	7/23/2019 21:45	28.14	85.6	5.99	7.7
SR5	7/23/2019 3:50	26.57	76.3	5.69	6.2	SR5	7/23/2019 9:50	27.29	82.8	6.17	6.6	SR5	7/23/2019 15:50	28.02	86.5	6.01	7.0	SR5	7/23/2019 21:50	28.13	83.0	5.90	7.2
SR5	7/23/2019 3:55	26.52	77.1	5.76	6.6	SR5	7/23/2019 9:55	27.27	83.3	6.21	5.5	SR5	7/23/2019 15:55	28.01	85.8	5.96	7.3	SR5	7/23/2019 21:55	28.12	82.7	5.78	6.2

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	7/23/2019 0:01	26.32	61.2	4.30	8.4	SR12	7/23/2019 6:01	26.11	56.9	4.00	5.7	SR12	7/23/2019 12:01	26.12	65.7	4.56	17.2	SR12	7/23/2019 18:01	26.65	91.4	6.36	6.1
SR12	7/23/2019 0:06	26.45	64.2	4.52	7.1	SR12	7/23/2019 6:06	26.27	57.5	4.04	6.2	SR12	7/23/2019 12:06	26.15	66.0	4.60	7.1	SR12	7/23/2019 18:06	26.66	91.5	6.37	6.4
SR12	7/23/2019 0:11	26.41	64.7	4.56	5.6	SR12	7/23/2019 6:11	26.08	58.2	4.10	5.3	SR12	7/23/2019 12:11	25.90	64.7	4.51	7.8	SR12	7/23/2019 18:11	26.65	91.3	6.36	5.9
SR12	7/23/2019 0:16	26.59	71.6	5.06	5.8	SR12	7/23/2019 6:16	26.33	59.2	4.16	6.0	SR12	7/23/2019 12:16	25.94	65.9	4.58	6.2	SR12	7/23/2019 18:16	26.63	90.9	6.33	7.9
SR12	7/23/2019 0:21	26.34	63.1	4.43	5.1	SR12	7/23/2019 6:21	26.06	58.0	4.08	5.8	SR12	7/23/2019 12:21	26.02	67.6	4.71	6.6	SR12	7/23/2019 18:21	26.67	91.4	6.37	7.5
SR12	7/23/2019 0:26	26.14	58.9	4.13	6.9	SR12	7/23/2019 6:26	26.05	55.5	3.90	7.6	SR12	7/23/2019 12:26	25.76	63.2	4.39	7.8	SR12	7/23/2019 18:26	26.66	90.4	6.29	5.4
SR12	7/23/2019 0:31	26.11	57.2	4.02	6.2	SR12	7/23/2019 6:31	26.28	59.3	4.17	6.8	SR12	7/23/2019 12:31	26.25	67.0	4.65	7.8	SR12	7/23/2019 18:31	26.71	92.4	6.44	6.6
SR12	7/23/2019 0:36	26.15	57.1	4.00	5.7	SR12	7/23/2019 6:36	26.15	58.8	4.15	7.4	SR12	7/23/2019 12:36	26.61	72.3	5.02	7.4	SR12	7/23/2019 18:36	26.74	92.0	6.41	5.8
SR12	7/23/2019 0:41	26.13	56.9	3.99	5.4	SR12	7/23/2019 6:41	26.05	57.3	4.03	6.8	SR12	7/23/2019 12:41	26.23	70.6	4.91	7.0	SR12	7/23/2019 18:41	26.70	91.3	6.36	6.4
SR12	7/23/2019 0:46	26.57	67.5	4.76	5.0	SR12	7/23/2019 6:46	26.08	56.8	3.99	7.3	SR12	7/23/2019 12:46	26.28	71.1	4.95	7.9	SR12	7/23/2019 18:46	26.68	89.8	6.27	7.6
SR12	7/23/2019 0:51	26.60	66.8	4.72	5.3	SR12	7/23/2019 6:51	26.18	60.1	4.23	7.8	SR12	7/23/2019 12:51	26.52	74.5	5.17	7.3	SR12	7/23/2019 18:51	26.66	88.3	6.15	7.4
SR12	7/23/2019 0:56	26.62	68.5	4.84	5.3	SR12	7/23/2019 6:56	26.25	60.3	4.25	6.7	SR12	7/23/2019 12:56	26.77	77.9	5.40	7.7	SR12	7/23/2019 18:56	26.69	89.2	6.23	5.5
SR12	7/23/2019 1:01	26.58	67.0	4.73	5.9	SR12	7/23/2019 7:01	26.24	61.8	4.36	6.9	SR12	7/23/2019 13:01	27.19	83.9	5.81	6.2	SR12	7/23/2019 19:01	26.68	88.9	6.20	6.5
SR12	7/23/2019 1:06	26.60	66.0	4.65	6.2	SR12	7/23/2019 7:06	26.16	63.8	4.50	7.4	SR12	7/23/2019 13:06	27.11	84.1	5.84	6.3	SR12	7/23/2019 19:06	26.68	88.3	6.16	7.7
SR12	7/23/2019 1:11	26.65	68.6	4.85	5.9	SR12	7/23/2019 7:11	26.19	62.4	4.39	6.4	SR12	7/23/2019 13:11	27.23	84.8	5.88	6.0	SR12	7/23/2019 19:11	26.69	88.0	6.14	7.2
SR12	7/23/2019 1:16	26.69	66.4	4.71	7.2	SR12	7/23/2019 7:16	26.33	65.4	4.62	6.6	SR12	7/23/2019 13:16	27.14	84.5	5.86	7.2	SR12	7/23/2019 19:16	26.76	88.8	6.20	7.2
SR12	7/23/2019 1:21	26.64	66.6	4.71	6.2	SR12	7/23/2019 7:21	26.43	71.1	5.02	6.8	SR12	7/23/2019 13:21	27.02	82.6	5.73	6.4	SR12	7/23/2019 19:21	26.74	87.5	6.11	6.1
SR12	7/23/2019 1:26	26.80	68.4	4.85	7.8	SR12	7/23/2019 7:26	26.35	68.4	4.82	7.3	SR12	7/23/2019 13:26	27.10	85.8	5.95	5.6	SR12	7/23/2019 19:26	26.80	88.5	6.19	6.4
SR12	7/23/2019 1:31	26.76	66.7	4.72	6.8	SR12	7/23/2019 7:31	26.18	66.3	4.67	7.9	SR12	7/23/2019 13:31	27.26	82.6	5.72	6.5	SR12	7/23/2019 19:31	26.80	88.9	6.21	6.9
SR12	7/23/2019 1:36	26.74	64.1	4.54	6.3	SR12	7/23/2019 7:36	26.36	69.3	4.89	8.2	SR12	7/23/2019 13:36	27.35	85.8	5.94	6.2	SR12	7/23/2019 19:36	26.82	89.4	6.24	7.0
SR12	7/23/2019 1:41	26.72	62.5	4.42	6.3	SR12	7/23/2019 7:41	26.29	68.6	4.84	6.7	SR12	7/23/2019 13:41	26.77	82.2	5.71	5.7	SR12	7/23/2019 19:41	26.81	88.1	6.16	7.3
SR12	7/23/2019 1:46	26.60	61.9	4.37	6.6	SR12	7/23/2019 7:46	26.28	68.4	4.82	8.1	SR12	7/23/2019 13:46	27.04	82.3	5.71	6.7	SR12	7/23/2019 19:46	26.81	87.6	6.12	6.3
SR12	7/23/2019 1:51	26.58	61.4	4.33	6.5	SR12	7/23/2019 7:51	26.26	66.8	4.71	10.4	SR12	7/23/2019 13:51	27.00	83.7	5.81	6.5	SR12	7/23/2019 19:51	26.86	89.1	6.23	6.4
SR12	7/23/2019 1:56	26.59	60.3	4.25	6.4	SR12	7/23/2019 7:56	26.26	66.6	4.69	8.6	SR12	7/23/2019 13:56	26.53	77.0	5.36	6.4	SR12	7/23/2019 19:56	26.87	89.8	6.28	5.8
SR12	7/23/2019 2:01	26.63	61.8	4.36	7.0	SR12	7/23/2019 8:01	26.26	65.8	4.64	8.5	SR12	7/23/2019 14:01	26.64	77.0	5.36	5.3	SR12	7/23/2019 20:01	26.83	87.8	6.14	7.1
SR12	7/23/2019 2:06	26.67	60.6	4.28	7.0	SR12	7/23/2019 8:06	26.17	63.2	4.45	7.7	SR12	7/23/2019 14:06	26.50	77.5	5.38	5.9	SR12	7/23/2019 20:06	26.92	88.9	6.21	5.3
SR12	7/23/2019 2:11	26.71	61.0	4.32	7.4	SR12	7/23/2019 8:11	26.24	65.4	4.60	9.6	SR12	7/23/2019 14:11	26.70	77.4	5.38	9.7	SR12	7/23/2019 20:11	26.88	87.4	6.11	7.1
SR12	7/23/2019 2:16	26.71	60.5	4.28	7.0	SR12	7/23/2019 8:16	26.20	64.0	4.50	12.7	SR12	7/23/2019 14:16	26.97	84.1	5.84	6.5	SR12	7/23/2019 20:16	26.88	87.1	6.08	7.1
SR12	7/23/2019 2:21	26.65	62.9	4.45	6.7	SR12	7/23/2019 8:21	26.23	64.7	4.56	8.0	SR12	7/23/2019 14:21	27.06	84.6	5.88	7.3	SR12	7/23/2019 20:21	26.94	88.0	6.15	7.3
SR12	7/23/2019 2:26	26.68	65.4	4.63	6.1	SR12	7/23/2019 8:26	26.24	64.9	4.56	7.7	SR12	7/23/2019 14:26	26.21	75.3	5.24	5.6	SR12	7/23/2019 20:26	26.99	89.2	6.24	6.7
SR12	7/23/2019 2:31	26.55	64.9	4.58	7.0	SR12	7/23/2019 8:31	26.25	67.7	4.77	6.6	SR12	7/23/2019 14:31	26.53	77.2	5.37	6.7	SR12	7/23/2019 20:31	27.00	88.0	6.15	7.0
SR12	7/23/2019 2:36	26.78	66.8	4.73	6.5	SR12	7/23/2019 8:36	26.36	72.3	5.10	8.5	SR12	7/23/2019 14:36	26.81	82.9	5.77	6.1	SR12	7/23/2019 20:36	27.01	87.8	6.14	6.5
SR12	7/23/2019 2:41	26.75	64.2	4.55	6.8	SR12	7/23/2019 8:41	26.30	68.6	4.84	9.6	SR12	7/23/2019 14:41	26.65	79.4	5.53	7.5	SR12	7/23/2019 20:41	27.00	86.8	6.07	5.8
SR12	7/23/2019 2:46	26.73	62.9	4.45	6.7	SR12	7/23/2019 8:46	26.40	71.9	5.07	8.0	SR12	7/23/2019 14:46	26.47	77.9	5.42	7.2	SR12	7/23/2019 20:46	27.02	88.4	6.19	6.2
SR12	7/23/2019 2:51	26.62	63.1	4.45	5.8	SR12	7/23/2019 8:51	26.38	70.1	4.95	8.1	SR12	7/23/2019 14:51	26.84	84.2	5.85	7.3	SR12	7/23/2019 20:51	27.05	89.6	6.27	6.5
SR12	7/23/2019 2:56	26.59	63.8	4.50	5.8	SR12	7/23/2019 8:56	26.38	70.2	4.95	11.2	SR12	7/23/2019 14:56	26.98	81.6	5.66	6.6	SR12	7/23/2019 20:56	27.07	90.1	6.31	6.3
SR12	7/23/2019 3:01	26.60	62.8	4.42	6.4	SR12	7/23/2019 9:01	26.38	68.9	4.86	8.1	SR12	7/23/2019 15:01	26.46	80.2	5.58	6.4	SR12	7/23/2019 21:01	27.07	89.3	6.25	6.2
SR12	7/23/2019 3:06	26.59	63.3	4.46	6.2	SR12	7/23/2019 9:06	26.28	66.4	4.68	9.8	SR12	7/23/2019 15:06	26.71	81.9	5.69	7.7	SR12	7/23/2019 21:06	27.09	90.0	6.29	5.5
SR12	7/23/2019 3:11	26.61	62.7	4.42	7.5	SR12	7/23/2019 9:11	26.34	68.1	4.80	8.1	SR12	7/23/2019 15:11	26.72	83.5	5.80	7.5	SR12	7/23/2019 21:11	27.09	90.0	6.29	7.6
SR12	7/23/2019 3:16	26.52	62.5	4.41	5.8	SR12	7/23/2019 9:16	26.37	69.0	4.88	8.0	SR12	7/23/2019 15:16	26.64	83.1	5.79	7.2	SR12	7/23/2019 21:16	27.11	91.1	6.37	6.3
SR12	7/23/2019 3:21	26.53	62.1	4.38	6.5	SR12	7/23/2019 9:21	26.31	66.2	4.67	8.3	SR12	7/23/2019 15:21	27.17	87.1	6.03	8.2	SR12	7/23/2019 21:21	27.11	89.6	6.27	6.1
SR12	7/23/2019 3:26	26.56	62.1	4.38	7.2	SR12	7/23/2019 9:26	26.30	64.9	4.58	7.3	SR12	7/23/2019 15:26	27.04	86.6	6.01	7.5	SR12	7/23/2019 21:26	27.11	89.1	6.23	6.7
SR12	7/23/2019 3:31	26.62	62.7	4.43	6.5	SR12	7/23/2019 9:31	26.31	64.1	4.51	7.7	SR12	7/23/2019 15:31	27.25	87.6	6.07	6.7	SR12	7/23/2019 21:31	27.12	90.1	6.31	7.2
SR12	7/23/2019 3:36	26.60	62.9	4.45	6.3	SR12	7/23/2019 9:36	26.27	64.2	4.52	7.3	SR12	7/23/2019 15:36	26.89	84.5	5.88	7.2	SR12	7/23/2019 21:36	27.11	88.3	6.18	6.3
SR12	7/23/2019 3:41	26.56	61.0	4.30	6.7	SR12	7/23/2019 9:41	26.28	64.6	4.55	8.4	SR12	7/23/2019 15:41	26.85	85.3	5.92	6.1	SR12	7/23/2019 21:41	27.10	87.5	6.12	5.9
SR12	7/23/2019 3:46	26.54	61.1	4.32	7.3	SR12	7/23/2019 9:46	26.30	66.0	4.65	8.1	SR12	7/23/2019 15:46	26.60	81.3	5.66	8.2	SR12	7/23/2019 21:46	27.09	87.9	6.15	7.2
SR12	7/23/2019 3:51	26.48	62.4	4.41	6.9	SR12	7/23/2019 9:51	26.32	66.8	4.71	7.8	SR12	7/23/2019 15:51	26.									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	7/23/2019 0:00	27.08	74.4	5.41	6.6	SR13	7/23/2019 6:00	27.11	71.4	5.25	6.9	SR13	7/23/2019 12:00	27.00	77.7	5.66	8.6	SR13	7/23/2019 18:00	27.40	81.5	5.77	6.6
SR13	7/23/2019 0:05	26.92	74.1	5.40	7.4	SR13	7/23/2019 6:05	27.07	70.4	5.17	6.1	SR13	7/23/2019 12:05	27.15	78.7	5.73	7.1	SR13	7/23/2019 18:05	27.46	82.3	5.83	7.1
SR13	7/23/2019 0:10	26.76	73.8	5.37	6.1	SR13	7/23/2019 6:10	27.00	69.7	5.13	7.2	SR13	7/23/2019 12:10	27.16	77.0	5.61	7.4	SR13	7/23/2019 18:10	27.42	81.9	5.80	7.2
SR13	7/23/2019 0:15	26.74	72.9	5.30	6.2	SR13	7/23/2019 6:15	27.07	71.3	5.24	6.7	SR13	7/23/2019 12:15	27.21	78.0	5.67	7.1	SR13	7/23/2019 18:15	27.39	82.4	5.96	7.4
SR13	7/23/2019 0:20	26.73	72.7	5.30	6.4	SR13	7/23/2019 6:20	27.06	70.5	5.19	7.2	SR13	7/23/2019 12:20	26.96	76.2	5.55	6.6	SR13	7/23/2019 18:20	27.50	82.1	5.94	7.1
SR13	7/23/2019 0:25	26.69	72.3	5.26	7.0	SR13	7/23/2019 6:25	27.05	70.4	5.17	7.0	SR13	7/23/2019 12:25	27.08	76.0	5.53	7.3	SR13	7/23/2019 18:25	27.64	82.2	5.95	6.8
SR13	7/23/2019 0:30	26.67	72.0	5.23	6.2	SR13	7/23/2019 6:30	27.04	70.5	5.19	8.7	SR13	7/23/2019 12:30	27.07	76.9	5.60	7.0	SR13	7/23/2019 18:30	27.65	83.1	6.01	6.6
SR13	7/23/2019 0:35	26.67	71.1	5.17	6.2	SR13	7/23/2019 6:35	27.05	70.6	5.19	7.1	SR13	7/23/2019 12:35	26.89	75.0	5.47	6.7	SR13	7/23/2019 18:35	27.68	86.4	6.12	6.6
SR13	7/23/2019 0:40	26.68	71.9	5.24	6.8	SR13	7/23/2019 6:40	27.05	69.9	5.15	7.4	SR13	7/23/2019 12:40	26.85	74.7	5.45	6.6	SR13	7/23/2019 18:40	27.58	84.1	5.95	6.9
SR13	7/23/2019 0:45	26.69	71.1	5.18	6.4	SR13	7/23/2019 6:45	27.02	69.2	5.09	6.9	SR13	7/23/2019 12:45	26.82	74.4	5.42	6.9	SR13	7/23/2019 18:45	27.70	85.2	6.03	6.5
SR13	7/23/2019 0:50	26.70	71.0	5.18	6.9	SR13	7/23/2019 6:50	27.06	70.2	5.16	7.8	SR13	7/23/2019 12:50	26.93	75.9	5.54	8.6	SR13	7/23/2019 18:50	27.71	85.3	6.03	7.0
SR13	7/23/2019 0:55	26.70	69.7	5.09	6.4	SR13	7/23/2019 6:55	27.04	69.6	5.12	9.0	SR13	7/23/2019 12:55	27.04	77.7	5.65	6.4	SR13	7/23/2019 18:55	27.76	84.9	6.01	6.7
SR13	7/23/2019 1:00	26.67	70.1	5.10	6.2	SR13	7/23/2019 7:00	27.05	69.9	5.15	7.0	SR13	7/23/2019 13:00	27.46	79.7	5.80	7.5	SR13	7/23/2019 19:00	27.82	85.8	6.07	7.4
SR13	7/23/2019 1:05	26.67	71.0	5.18	5.7	SR13	7/23/2019 7:05	27.06	70.3	5.16	7.3	SR13	7/23/2019 13:05	26.90	75.6	5.52	6.9	SR13	7/23/2019 19:05	27.82	85.1	6.02	7.2
SR13	7/23/2019 1:10	26.62	71.3	5.21	6.3	SR13	7/23/2019 7:10	27.07	71.5	5.26	6.4	SR13	7/23/2019 13:10	26.98	76.3	5.57	7.3	SR13	7/23/2019 19:10	27.86	85.0	6.01	7.1
SR13	7/23/2019 1:15	26.71	71.5	5.22	6.1	SR13	7/23/2019 7:15	27.12	72.9	5.35	8.0	SR13	7/23/2019 13:15	27.15	78.4	5.71	6.8	SR13	7/23/2019 19:15	27.79	81.5	5.90	7.3
SR13	7/23/2019 1:20	26.69	71.2	5.21	7.1	SR13	7/23/2019 7:20	27.11	72.5	5.33	8.1	SR13	7/23/2019 13:20	27.09	76.7	5.59	7.3	SR13	7/23/2019 19:20	27.66	80.5	5.71	6.6
SR13	7/23/2019 1:25	26.67	70.5	5.14	7.0	SR13	7/23/2019 7:25	27.16	74.3	5.46	7.5	SR13	7/23/2019 13:25	27.15	76.9	5.60	6.9	SR13	7/23/2019 19:25	27.74	81.9	5.81	6.5
SR13	7/23/2019 1:30	26.62	70.1	5.13	6.2	SR13	7/23/2019 7:30	27.15	73.0	5.36	7.3	SR13	7/23/2019 13:30	27.15	78.8	5.73	7.7	SR13	7/23/2019 19:30	27.75	81.9	5.81	7.0
SR13	7/23/2019 1:35	26.61	70.1	5.12	6.2	SR13	7/23/2019 7:35	27.14	73.7	5.41	8.6	SR13	7/23/2019 13:35	27.26	77.6	5.64	6.3	SR13	7/23/2019 19:35	27.86	84.1	5.95	6.8
SR13	7/23/2019 1:40	26.62	70.1	5.13	6.9	SR13	7/23/2019 7:40	27.14	73.7	5.42	7.3	SR13	7/23/2019 13:40	26.99	76.2	5.55	6.7	SR13	7/23/2019 19:40	27.67	81.7	5.85	7.1
SR13	7/23/2019 1:45	26.62	70.4	5.15	6.9	SR13	7/23/2019 7:45	27.10	72.2	5.31	7.8	SR13	7/23/2019 13:45	27.11	77.8	5.62	7.7	SR13	7/23/2019 19:45	27.66	83.2	5.96	6.7
SR13	7/23/2019 1:50	26.63	69.5	5.08	6.6	SR13	7/23/2019 7:50	27.13	72.5	5.34	7.1	SR13	7/23/2019 13:50	27.13	78.6	5.67	7.4	SR13	7/23/2019 19:50	27.67	83.0	5.94	7.4
SR13	7/23/2019 1:55	26.61	70.3	5.15	6.0	SR13	7/23/2019 7:55	27.14	73.7	5.43	7.2	SR13	7/23/2019 13:55	27.09	77.4	5.60	7.0	SR13	7/23/2019 19:55	27.83	86.7	6.19	6.8
SR13	7/23/2019 2:00	26.82	69.7	5.11	6.5	SR13	7/23/2019 8:00	27.12	72.4	5.33	7.6	SR13	7/23/2019 14:00	27.34	79.2	5.71	7.1	SR13	7/23/2019 20:00	27.82	85.9	6.14	7.0
SR13	7/23/2019 2:05	26.79	69.7	5.11	7.5	SR13	7/23/2019 8:05	27.12	71.7	5.28	6.5	SR13	7/23/2019 14:05	27.25	78.9	5.70	7.5	SR13	7/23/2019 20:05	27.79	84.9	6.06	7.1
SR13	7/23/2019 2:10	26.78	69.3	5.09	5.8	SR13	7/23/2019 8:10	27.11	71.5	5.26	7.2	SR13	7/23/2019 14:10	27.43	79.4	5.73	7.2	SR13	7/23/2019 20:10	27.77	83.7	5.99	7.1
SR13	7/23/2019 2:15	26.87	69.8	5.13	7.1	SR13	7/23/2019 8:15	27.10	71.0	5.23	8.7	SR13	7/23/2019 14:15	27.25	78.8	5.69	6.8	SR13	7/23/2019 20:15	27.82	84.8	6.06	6.5
SR13	7/23/2019 2:20	26.79	67.6	4.98	6.0	SR13	7/23/2019 8:20	27.10	71.1	5.23	7.0	SR13	7/23/2019 14:20	27.24	79.8	5.76	6.9	SR13	7/23/2019 20:20	27.85	84.9	6.06	7.1
SR13	7/23/2019 2:25	26.84	67.8	5.00	6.7	SR13	7/23/2019 8:25	27.11	72.3	5.32	6.9	SR13	7/23/2019 14:25	27.13	76.6	5.54	7.6	SR13	7/23/2019 20:25	27.83	84.7	6.05	6.9
SR13	7/23/2019 2:30	26.82	68.2	5.03	6.9	SR13	7/23/2019 8:30	27.12	72.8	5.35	6.9	SR13	7/23/2019 14:30	27.28	78.9	5.89	7.1	SR13	7/23/2019 20:30	27.77	83.4	5.96	7.0
SR13	7/23/2019 2:35	26.79	67.7	4.99	6.4	SR13	7/23/2019 8:35	27.14	74.6	5.49	7.6	SR13	7/23/2019 14:35	27.41	79.0	5.70	7.2	SR13	7/23/2019 20:35	27.81	83.6	5.98	7.3
SR13	7/23/2019 2:40	26.76	68.6	5.06	7.3	SR13	7/23/2019 8:40	27.10	73.6	5.42	7.4	SR13	7/23/2019 14:40	27.19	77.2	5.57	7.0	SR13	7/23/2019 20:40	27.76	83.6	5.97	7.0
SR13	7/23/2019 2:45	26.70	67.6	4.98	6.5	SR13	7/23/2019 8:45	27.10	73.0	5.38	7.2	SR13	7/23/2019 14:45	27.39	78.6	5.67	7.6	SR13	7/23/2019 20:45	27.74	81.8	5.84	7.1
SR13	7/23/2019 2:50	26.75	68.3	5.04	6.5	SR13	7/23/2019 8:50	27.10	72.8	5.36	7.7	SR13	7/23/2019 14:50	27.37	79.7	5.61	7.4	SR13	7/23/2019 20:50	27.79	82.6	5.90	7.2
SR13	7/23/2019 2:55	26.71	68.1	5.01	6.2	SR13	7/23/2019 8:55	27.02	71.6	5.27	7.5	SR13	7/23/2019 14:55	27.46	80.2	5.66	7.1	SR13	7/23/2019 20:55	27.78	82.6	5.91	7.8
SR13	7/23/2019 3:00	26.74	69.2	5.11	6.0	SR13	7/23/2019 9:00	27.05	72.3	5.32	7.8	SR13	7/23/2019 15:00	27.45	81.2	5.72	7.3	SR13	7/23/2019 21:00	27.79	81.4	5.82	7.4
SR13	7/23/2019 3:05	26.68	69.0	5.08	6.9	SR13	7/23/2019 9:05	27.02	72.2	5.32	7.2	SR13	7/23/2019 15:05	27.54	82.9	5.97	8.5	SR13	7/23/2019 21:05	27.80	81.0	5.79	7.4
SR13	7/23/2019 3:10	26.74	69.4	5.11	7.0	SR13	7/23/2019 9:10	27.01	71.9	5.29	7.4	SR13	7/23/2019 15:10	27.32	78.8	5.56	7.2	SR13	7/23/2019 21:10	27.78	80.5	5.75	7.0
SR13	7/23/2019 3:15	26.73	69.3	5.10	6.4	SR13	7/23/2019 9:15	27.06	74.5	5.48	7.0	SR13	7/23/2019 15:15	27.15	73.9	5.22	7.8	SR13	7/23/2019 21:15	27.78	79.9	5.71	7.1
SR13	7/23/2019 3:20	26.77	68.9	5.07	6.9	SR13	7/23/2019 9:20	27.11	72.5	5.35	7.4	SR13	7/23/2019 15:20	27.30	76.9	5.43	6.7	SR13	7/23/2019 21:20	27.74	79.4	5.68	7.3
SR13	7/23/2019 3:25	26.87	68.9	5.07	6.5	SR13	7/23/2019 9:25	27.07	73.1	5.39	6.7	SR13	7/23/2019 15:25	27.24	77.3	5.45	6.5	SR13	7/23/2019 21:25	27.72	79.4	5.69	7.4
SR13	7/23/2019 3:30	26.86	68.4	5.03	7.2	SR13	7/23/2019 9:30	27.05	73.1	5.37	6.7	SR13	7/23/2019 15:30	27.28	73.8	5.34	7.2	SR13	7/23/2019 21:30	27.64	78.3	5.60	7.2
SR13	7/23/2019 3:35	26.95	70.0	5.16	7.2	SR13	7/23/2019 9:35	27.05	72.5	5.33	8.0	SR13	7/23/2019 15:35	27.39	78.2	5.64	7.1	SR13	7/23/2019 21:35	27.72	79.4	5.68	7.1
SR13	7/23/2019 3:40	26.96	68.9	5.07	7.1	SR13	7/23/2019 9:40	27.03	73.0	5.36	7.1	SR13	7/23/2019 15:40	27.33	77.5	5.60	7.6	SR13	7/23/2019 21:40	27.71	78.4	5.61	7.0
SR13	7/23/2019 3:45	27.01	68.4	5.03	6.1	SR13	7/23/2019 9:45	27.03	73.1	5.37	6.6	SR13	7/23/2019 15:45	27.47	81.7	5.75	7.5	SR13	7/23/2019 21:45	27.64	78.2	5.60	7.3
SR13	7/23/2019 3:50	27.04	69.0	5.08	6.7	SR13	7/23/2019 9:50	27.04	72.7	5.33	6.9	SR13	7/23/2019 15:50	27.49									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	7/23/2019 0:17	0.24				SR12	7/23/2019 0:17	0.23			
SR4	7/23/2019 0:37	0.24				SR12	7/23/2019 0:37	0.23			
SR4	7/23/2019 0:57	0.22				SR12	7/23/2019 0:57	0.24			
SR4	7/23/2019 1:17	0.24				SR12	7/23/2019 1:17	0.23			
SR4	7/23/2019 1:37	0.24				SR12	7/23/2019 1:37	0.24			
SR4	7/23/2019 1:57	0.23				SR12	7/23/2019 1:57	0.23			
SR4	7/23/2019 2:17	0.22				SR12	7/23/2019 2:17	0.23			
SR4	7/23/2019 2:37	0.22				SR12	7/23/2019 2:37	0.23			
SR4	7/23/2019 2:57	0.22				SR12	7/23/2019 2:57	0.22			
SR4	7/23/2019 3:17	0.23				SR12	7/23/2019 3:17	0.22			
SR4	7/23/2019 3:37	0.22				SR12	7/23/2019 3:37	0.23			
SR4	7/23/2019 3:57	0.22				SR12	7/23/2019 3:57	0.23			
SR4	7/23/2019 4:17	0.24				SR12	7/23/2019 4:17	0.23			
SR4	7/23/2019 4:37	0.24				SR12	7/23/2019 4:37	0.22			
SR4	7/23/2019 4:57	0.23				SR12	7/23/2019 4:57	0.24			
SR4	7/23/2019 5:17	0.23				SR12	7/23/2019 5:17	0.22			
SR4	7/23/2019 5:37	0.23				SR12	7/23/2019 5:37	0.23			
SR4	7/23/2019 5:57	0.22				SR12	7/23/2019 5:57	0.24			
SR4						SR12					
SR4	7/23/2019 6:37	0.20				SR12	7/23/2019 6:37	0.24			
SR4	7/23/2019 6:57	0.20				SR12	7/23/2019 6:57	0.25			
SR4	7/23/2019 7:17	0.22				SR12	7/23/2019 7:17	0.25			
SR4	7/23/2019 7:37	0.20				SR12	7/23/2019 7:37	0.27			
SR4	7/23/2019 7:57	0.20				SR12	7/23/2019 7:57	0.25			
SR4	7/23/2019 8:17	0.22				SR12	7/23/2019 8:17	0.24			
SR4	7/23/2019 8:37	0.21				SR12	7/23/2019 8:37	0.26			
SR4	7/23/2019 8:57	0.22				SR12	7/23/2019 8:57	0.27			
SR4	7/23/2019 9:17	0.21				SR12	7/23/2019 9:17	0.27			
SR4	7/23/2019 9:37	0.21				SR12	7/23/2019 9:37	0.25			
SR4	7/23/2019 9:57	0.21				SR12	7/23/2019 9:57	0.27			
SR4	7/23/2019 10:17	0.22				SR12	7/23/2019 10:17	0.27			
SR4	7/23/2019 10:37	0.21				SR12	7/23/2019 10:37	0.26			
SR4	7/23/2019 10:57	0.22				SR12	7/23/2019 10:57	0.26			
SR4	7/23/2019 11:17	0.20				SR12	7/23/2019 11:17	0.27			
SR4	7/23/2019 11:37	0.22				SR12	7/23/2019 11:37	0.26			
SR4	7/23/2019 11:57	0.20				SR12	7/23/2019 11:57	0.26			
SR4	7/23/2019 12:17	0.22				SR12	7/23/2019 12:17	0.27			
SR4	7/23/2019 12:37	0.20				SR12	7/23/2019 12:37	0.27			
SR4	7/23/2019 12:57	0.22				SR12	7/23/2019 12:57	0.27			
SR4	7/23/2019 13:17	0.20				SR12	7/23/2019 13:17	0.26			
SR4	7/23/2019 13:37	0.20				SR12	7/23/2019 13:37	0.27			
SR4	7/23/2019 13:57	0.22				SR12	7/23/2019 13:57	0.26			
SR4	7/23/2019 14:17	0.22				SR12	7/23/2019 14:17	0.26			
SR4	7/23/2019 14:37	0.21				SR12	7/23/2019 14:37	0.26			
SR4	7/23/2019 14:57	0.20				SR12	7/23/2019 14:57	0.27			
SR4	7/23/2019 15:17	0.20				SR12	7/23/2019 15:17	0.26			
SR4	7/23/2019 15:37	0.21				SR12	7/23/2019 15:37	0.26			
SR4	7/23/2019 15:57	0.22				SR12	7/23/2019 15:57	0.25			
SR4	7/23/2019 16:17	0.20				SR12	7/23/2019 16:17	0.26			
SR4	7/23/2019 16:37	0.19				SR12	7/23/2019 16:37	0.25			
SR4	7/23/2019 16:57	0.18				SR12	7/23/2019 16:57	0.26			
SR4	7/23/2019 17:17	0.18				SR12	7/23/2019 17:17	0.26			
SR4	7/23/2019 17:37	0.18				SR12	7/23/2019 17:37	0.25			
SR4	7/23/2019 17:57	0.18				SR12	7/23/2019 17:57	0.25			
SR4	7/23/2019 18:17	0.21				SR12	7/23/2019 18:17	0.27			
SR4	7/23/2019 18:37	0.19				SR12	7/23/2019 18:37	0.26			
SR4	7/23/2019 18:57	0.19				SR12	7/23/2019 18:57	0.26			
SR4	7/23/2019 19:17	0.21				SR12	7/23/2019 19:17	0.27			
SR4	7/23/2019 19:37	0.18				SR12	7/23/2019 19:37	0.26			
SR4	7/23/2019 19:57	0.21				SR12	7/23/2019 19:57	0.24			
SR4	7/23/2019 20:17	0.20				SR12	7/23/2019 20:17	0.25			
SR4	7/23/2019 20:37	0.18				SR12	7/23/2019 20:37	0.24			
SR4	7/23/2019 20:57	0.18				SR12	7/23/2019 20:57	0.23			
SR4	7/23/2019 21:17	0.21				SR12	7/23/2019 21:17	0.23			
SR4	7/23/2019 21:37	0.19				SR12	7/23/2019 21:37	0.23			
SR4	7/23/2019 21:57	0.21				SR12	7/23/2019 21:57	0.23			
SR4	7/23/2019 22:17	0.20				SR12	7/23/2019 22:17	0.24			
SR4	7/23/2019 22:37	0.21				SR12	7/23/2019 22:37	0.23			
SR4	7/23/2019 22:57	0.19				SR12	7/23/2019 22:57	0.25			
SR4	7/23/2019 23:17	0.21				SR12	7/23/2019 23:17	0.25			
SR4	7/23/2019 23:37	0.19				SR12	7/23/2019 23:37	0.25			
SR4	7/23/2019 23:57	0.18				SR12	7/23/2019 23:57	0.24			

Remark: Fonts with underline: Action Level Exceedance

Fonts in Bold with underline: Limit Level Exceedance

Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
SR5 monitoring station was under maintenance during 13:00-13:25.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	7/24/2019 0:01	26.99	65.9	4.89	9.1	SR4	7/24/2019 6:01	27.58	72.3	5.34	7.6	SR4	7/24/2019 12:01	27.35	63.0	4.63	8.4	SR4	7/24/2019 18:01	27.61	75.6	5.52	7.5
SR4	7/24/2019 0:06	26.94	65.3	4.85	7.7	SR4	7/24/2019 6:06	27.65	71.6	5.28	7.9	SR4	7/24/2019 12:06	27.23	62.9	4.62	8.6	SR4	7/24/2019 18:06	27.51	73.5	5.37	7.2
SR4	7/24/2019 0:11	26.96	66.6	4.94	8.3	SR4	7/24/2019 6:11	27.61	70.9	5.24	8.5	SR4						SR4	7/24/2019 18:11	27.58	74.1	5.41	6.4
SR4	7/24/2019 0:16	27.03	70.1	5.19	7.8	SR4	7/24/2019 6:16	27.58	71.2	5.26	7.7	SR4						SR4	7/24/2019 18:16	27.60	74.9	5.46	7.2
SR4	7/24/2019 0:21	27.03	70.3	5.21	8.0	SR4	7/24/2019 6:21	27.63	72.3	5.34	7.8	SR4						SR4	7/24/2019 18:21	27.58	75.7	5.51	6.8
SR4	7/24/2019 0:26	27.06	69.1	5.12	7.0	SR4	7/24/2019 6:26	27.75	72.5	5.35	7.2	SR4						SR4	7/24/2019 18:26	27.59	75.5	5.51	6.6
SR4	7/24/2019 0:31	27.11	69.7	5.17	7.7	SR4	7/24/2019 6:31	27.70	71.0	5.25	7.8	SR4						SR4	7/24/2019 18:31	27.60	75.1	5.48	6.6
SR4	7/24/2019 0:36	27.10	68.5	5.07	7.9	SR4	7/24/2019 6:36	27.71	70.6	5.22	9.6	SR4						SR4	7/24/2019 18:36	27.61	76.3	5.56	6.7
SR4	7/24/2019 0:41	27.08	68.4	5.07	7.7	SR4	7/24/2019 6:41	27.72	72.5	5.34	7.5	SR4						SR4	7/24/2019 18:41	27.58	76.6	5.58	6.9
SR4	7/24/2019 0:46	27.12	67.7	5.02	7.8	SR4	7/24/2019 6:46	27.62	70.8	5.23	7.9	SR4						SR4	7/24/2019 18:46	27.58	78.0	5.69	7.2
SR4	7/24/2019 0:51	27.10	69.6	5.16	8.1	SR4	7/24/2019 6:51	27.60	68.5	5.06	7.7	SR4						SR4	7/24/2019 18:51	27.56	77.8	5.67	6.6
SR4	7/24/2019 0:56	27.11	69.4	5.14	8.4	SR4	7/24/2019 6:56	27.49	68.1	5.03	8.0	SR4						SR4	7/24/2019 18:56	27.54	76.6	5.59	7.1
SR4	7/24/2019 1:01	27.10	68.2	5.06	8.5	SR4	7/24/2019 7:01	27.57	69.1	5.10	9.0	SR4						SR4	7/24/2019 19:01	27.66	81.4	5.93	7.1
SR4	7/24/2019 1:06	27.14	69.4	5.15	7.8	SR4	7/24/2019 7:06	27.77	71.6	5.29	7.9	SR4						SR4	7/24/2019 19:06	27.62	80.0	5.83	6.9
SR4	7/24/2019 1:11	27.20	70.0	5.18	8.8	SR4	7/24/2019 7:11	27.76	69.2	5.10	8.2	SR4						SR4	7/24/2019 19:11	27.56	78.4	5.72	7.4
SR4	7/24/2019 1:16	27.13	70.6	5.23	7.5	SR4	7/24/2019 7:16	27.77	71.2	5.25	7.4	SR4						SR4	7/24/2019 19:16	27.58	78.6	5.73	6.9
SR4	7/24/2019 1:21	27.13	69.1	5.13	7.6	SR4	7/24/2019 7:21	27.67	69.7	5.14	8.2	SR4	7/24/2019 13:21	27.43	74.3	5.42	8.8	SR4	7/24/2019 19:21	27.61	78.2	5.71	7.0
SR4	7/24/2019 1:26	27.36	73.8	5.45	8.2	SR4	7/24/2019 7:26	27.71	70.4	5.19	7.5	SR4	7/24/2019 13:26	27.49	73.6	5.36	7.5	SR4	7/24/2019 19:26	27.57	76.8	5.62	7.0
SR4	7/24/2019 1:31	27.28	71.5	5.30	8.1	SR4	7/24/2019 7:31	27.67	71.0	5.23	7.4	SR4	7/24/2019 13:31	27.36	74.6	5.44	7.7	SR4	7/24/2019 19:31	27.56	76.0	5.56	6.6
SR4	7/24/2019 1:36	27.37	73.7	5.45	7.7	SR4	7/24/2019 7:36	27.68	70.4	5.19	5.5	SR4	7/24/2019 13:36	27.45	76.6	5.57	7.4	SR4	7/24/2019 19:36	27.55	75.0	5.48	7.5
SR4	7/24/2019 1:41	27.36	74.0	5.48	8.5	SR4	7/24/2019 7:41	27.67	70.8	5.21	8.0	SR4	7/24/2019 13:41	27.64	69.5	5.07	7.2	SR4	7/24/2019 19:41	27.56	74.2	5.43	7.0
SR4	7/24/2019 1:46	27.35	74.5	5.50	8.7	SR4	7/24/2019 7:46	27.62	69.6	5.12	8.0	SR4	7/24/2019 13:46	27.86	71.9	5.24	7.9	SR4	7/24/2019 19:46	27.54	73.9	5.41	7.3
SR4	7/24/2019 1:51	27.45	73.9	5.46	7.5	SR4	7/24/2019 7:51	27.83	70.3	5.17	8.7	SR4	7/24/2019 13:51	27.97	72.9	5.30	8.5	SR4	7/24/2019 19:51	27.54	73.4	5.38	6.6
SR4	7/24/2019 1:56	27.41	75.9	5.59	8.4	SR4	7/24/2019 7:56	27.73	69.4	5.11	8.7	SR4	7/24/2019 13:56	27.92	73.4	5.34	7.9	SR4	7/24/2019 19:56	27.57	73.4	5.37	6.9
SR4	7/24/2019 2:01	27.30	74.4	5.49	8.0	SR4	7/24/2019 8:01	27.58	69.0	5.08	9.6	SR4	7/24/2019 14:01	27.94	74.3	5.40	8.0	SR4	7/24/2019 20:01	27.61	72.5	5.31	6.6
SR4	7/24/2019 2:06	27.35	73.7	5.45	8.3	SR4	7/24/2019 8:06	27.56	70.5	5.19	9.3	SR4	7/24/2019 14:06	28.02	73.8	5.36	7.7	SR4	7/24/2019 20:06	27.64	72.3	5.28	6.6
SR4	7/24/2019 2:11	27.47	76.0	5.62	7.8	SR4	7/24/2019 8:11	27.52	68.0	5.01	8.3	SR4	7/24/2019 14:11	27.63	71.1	5.19	7.5	SR4	7/24/2019 20:11	27.66	73.1	5.35	7.2
SR4	7/24/2019 2:16	27.35	74.8	5.52	7.8	SR4	7/24/2019 8:16	27.65	70.5	5.17	8.8	SR4	7/24/2019 14:16	27.72	72.2	5.26	7.6	SR4	7/24/2019 20:16	27.66	72.7	5.33	7.4
SR4	7/24/2019 2:21	27.51	77.4	5.71	9.4	SR4	7/24/2019 8:21	27.63	68.7	5.04	8.2	SR4	7/24/2019 14:21	27.72	72.9	5.32	7.8	SR4	7/24/2019 20:21	27.65	72.8	5.34	7.1
SR4	7/24/2019 2:26	27.54	77.5	5.73	7.7	SR4	7/24/2019 8:26	27.63	69.8	5.13	8.5	SR4	7/24/2019 14:26	27.69	71.6	5.23	7.5	SR4	7/24/2019 20:26	27.67	74.0	5.43	7.2
SR4	7/24/2019 2:31	27.55	77.3	5.72	8.9	SR4	7/24/2019 8:31	27.66	73.5	5.38	8.2	SR4	7/24/2019 14:31	27.74	73.1	5.33	7.1	SR4	7/24/2019 20:31	27.68	73.0	5.35	6.6
SR4	7/24/2019 2:36	27.57	75.9	5.62	7.7	SR4	7/24/2019 8:36	27.61	71.7	5.25	7.8	SR4	7/24/2019 14:36	27.74	73.8	5.39	8.4	SR4	7/24/2019 20:36	27.69	72.5	5.31	6.3
SR4	7/24/2019 2:41	27.53	75.5	5.59	7.6	SR4	7/24/2019 8:41	27.64	75.0	5.49	8.0	SR4	7/24/2019 14:41	27.78	72.6	5.30	7.2	SR4	7/24/2019 20:41	27.68	72.0	5.26	7.4
SR4	7/24/2019 2:46	27.55	76.5	5.67	7.5	SR4	7/24/2019 8:46	27.58	72.6	5.32	8.8	SR4	7/24/2019 14:46	27.76	74.7	5.46	7.6	SR4	7/24/2019 20:46	27.69	72.7	5.31	7.5
SR4	7/24/2019 2:51	27.45	74.8	5.54	8.1	SR4	7/24/2019 8:51	27.55	71.5	5.25	9.5	SR4	7/24/2019 14:51	27.60	72.2	5.28	6.9	SR4	7/24/2019 20:51	27.69	72.8	5.32	6.9
SR4	7/24/2019 2:56	27.51	75.7	5.60	7.7	SR4	7/24/2019 8:56	27.49	70.0	5.13	9.3	SR4	7/24/2019 14:56	27.63	73.1	5.36	7.2	SR4	7/24/2019 20:56	27.70	72.6	5.30	7.3
SR4	7/24/2019 3:01	27.61	76.5	5.67	8.5	SR4	7/24/2019 9:01	27.46	69.1	5.07	10.8	SR4	7/24/2019 15:01	27.50	71.2	5.23	7.5	SR4	7/24/2019 21:01	27.69	71.9	5.26	6.7
SR4	7/24/2019 3:06	27.49	75.9	5.61	7.3	SR4	7/24/2019 9:06	27.47	70.6	5.18	8.8	SR4	7/24/2019 15:06	27.68	74.3	5.44	7.6	SR4	7/24/2019 21:06	27.69	72.0	5.26	6.5
SR4	7/24/2019 3:11	27.59	77.4	5.72	7.9	SR4	7/24/2019 9:11	27.55	70.8	5.20	8.3	SR4	7/24/2019 15:11	27.94	78.9	5.75	7.4	SR4	7/24/2019 21:11	27.69	72.2	5.28	6.9
SR4	7/24/2019 3:16	27.49	77.1	5.70	8.0	SR4	7/24/2019 9:16	27.57	70.0	5.14	7.9	SR4	7/24/2019 15:16	27.75	76.8	5.61	7.8	SR4	7/24/2019 21:16	27.67	71.6	5.24	7.1
SR4	7/24/2019 3:21	27.44	76.1	5.63	7.8	SR4	7/24/2019 9:21	27.48	71.9	5.26	8.1	SR4	7/24/2019 15:21	27.71	76.0	5.56	8.0	SR4	7/24/2019 21:21	27.69	71.9	5.26	7.1
SR4	7/24/2019 3:26	27.52	77.1	5.71	8.6	SR4	7/24/2019 9:26	27.55	72.7	5.32	8.1	SR4	7/24/2019 15:26	27.93	79.5	5.79	7.6	SR4	7/24/2019 21:26	27.68	71.7	5.24	6.9
SR4	7/24/2019 3:31	27.57	77.9	5.76	7.5	SR4	7/24/2019 9:31	27.56	72.7	5.32	8.1	SR4	7/24/2019 15:31	27.64	75.4	5.51	6.3	SR4	7/24/2019 21:31	27.68	72.0	5.27	7.0
SR4	7/24/2019 3:36	27.50	75.5	5.60	7.1	SR4	7/24/2019 9:36	27.52	72.1	5.27	8.7	SR4	7/24/2019 15:36	27.80	77.5	5.66	5.5	SR4	7/24/2019 21:36	27.70	72.4	5.30	7.8
SR4	7/24/2019 3:41	27.51	76.4	5.65	8.6	SR4	7/24/2019 9:41	27.53	73.0	5.35	8.4	SR4	7/24/2019 15:41	27.71	76.3	5.58	6.8	SR4	7/24/2019 21:41	27.69	72.8	5.33	7.1
SR4	7/24/2019 3:46	27.53	75.9	5.62	8.0	SR4	7/24/2019 9:46	27.55	72.8	5.32	20.0	SR4	7/24/2019 15:46	27.77	76.6	5.60	6.9	SR4	7/24/2019 21:46	27.72	73.4	5.38	6.7
SR4	7/24/2019 3:51	27.59	78.2	5.79	7.0	SR4	7/24/2019 9:51	27.57	73.2	5.35	9.0	SR4	7/24/2019 15:51	27.88	78.3	5.71	7.0	SR4	7/24/2019 21:51	27.72	72.4	5.30	7.1
SR4	7/24/2019 3:56	27.55	76.4	5.65	8.6	SR4	7/24/2019 9:56	27.55	73.5	5.37	8.0	SR4	7/24/2019 15:56	27.79	76.4	5.58	7.0	SR4	7/24/2019 21:56	27.72	71.9	5.26	6.7
SR4	7/24/2019 4:01	27.60	76.7	5.68	7.1	SR4	7/24/2019 10:01	27.60	74.3	5.43	8.4	SR4	7/24/2019 16:01	27.94	81.7	5.94	7.6	SR4	7/24/2019 22:01	27.74	73.8	5.40	6.8
SR4	7/24/2019 4:06	27.55	75.9	5.61	7.8	SR4	7/24/2019 10																

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	7/24/2019 0:00	26.16	75.4	5.63	8.8	SR5	7/24/2019 6:00	27.05	80.2	5.97	7.2	SR5	7/24/2019 12:00	27.66	84.0	5.89	7.0	SR5	7/24/2019 18:00	28.69	128.8	8.91	8.0
SR5	7/24/2019 0:05	26.15	75.9	5.67	6.8	SR5	7/24/2019 6:05	27.13	79.1	5.88	7.2	SR5	7/24/2019 12:05	27.65	83.3	5.84	7.7	SR5	7/24/2019 18:05	28.78	129.8	8.97	6.4
SR5	7/24/2019 0:10	26.14	76.8	5.73	7.9	SR5	7/24/2019 6:10	27.13	78.9	5.87	7.5	SR5	7/24/2019 12:10	27.81	84.3	5.90	5.7	SR5	7/24/2019 18:10	28.73	128.1	8.86	6.1
SR5	7/24/2019 0:15	26.11	78.7	5.87	6.3	SR5	7/24/2019 6:15	27.30	73.6	5.18	7.2	SR5	7/24/2019 12:15	27.55	79.7	5.58	7.7	SR5	7/24/2019 18:15	28.66	127.2	8.80	6.8
SR5	7/24/2019 0:20	26.08	78.8	5.88	6.5	SR5	7/24/2019 6:20	27.38	75.7	5.35	7.2	SR5	7/24/2019 12:20	26.91	75.8	5.31	8.3	SR5	7/24/2019 18:20	28.62	125.4	8.68	7.5
SR5	7/24/2019 0:25	26.06	77.9	5.81	8.0	SR5	7/24/2019 6:25	27.44	76.1	5.37	7.3	SR5	7/24/2019 12:25	26.64	70.7	4.92	8.4	SR5	7/24/2019 18:25	28.54	121.4	8.41	7.1
SR5	7/24/2019 0:30	26.05	78.3	5.85	6.4	SR5	7/24/2019 6:30	27.42	76.1	5.37	7.4	SR5	7/24/2019 12:30	26.37	75.3	5.61	6.5	SR5	7/24/2019 18:30	28.58	120.1	8.30	6.2
SR5	7/24/2019 0:35	26.00	78.2	5.83	6.4	SR5	7/24/2019 6:35	27.60	78.7	5.56	7.3	SR5	7/24/2019 12:35	26.39	75.1	5.59	7.7	SR5	7/24/2019 18:35	28.59	119.4	8.25	7.9
SR5	7/24/2019 0:40	25.95	77.2	5.75	6.9	SR5	7/24/2019 6:40	27.60	78.5	5.54	7.7	SR5	7/24/2019 12:40	26.43	76.7	5.70	12.2	SR5	7/24/2019 18:40	28.54	118.7	8.21	6.6
SR5	7/24/2019 0:45	25.93	77.5	5.78	6.4	SR5	7/24/2019 6:45	27.56	77.4	5.45	6.4	SR5	7/24/2019 12:45	26.46	77.8	5.79	7.6	SR5	7/24/2019 18:45	28.60	119.8	8.29	6.5
SR5	7/24/2019 0:50	25.88	78.8	5.88	7.3	SR5	7/24/2019 6:50	27.51	78.0	5.51	7.9	SR5	7/24/2019 12:50	26.47	77.5	5.77	7.8	SR5	7/24/2019 18:50	28.62	123.4	8.54	5.9
SR5	7/24/2019 0:55	25.85	78.5	5.85	7.9	SR5	7/24/2019 6:55	27.44	78.7	5.57	8.5	SR5	7/24/2019 12:55	26.48	78.2	5.82	8.0	SR5	7/24/2019 18:55	28.64	125.6	8.69	5.6
SR5	7/24/2019 1:00	25.83	78.0	5.82	6.8	SR5	7/24/2019 7:00	27.44	77.8	5.50	7.0	SR5	7/24/2019 13:00	26.45	78.2	5.82	6.7	SR5	7/24/2019 19:00	28.58	129.1	8.94	7.6
SR5	7/24/2019 1:05	25.76	79.0	5.89	7.8	SR5	7/24/2019 7:05	27.41	77.0	5.44	6.7	SR5	7/24/2019 13:05	26.51	79.8	5.93	6.2	SR5	7/24/2019 19:05	28.78	135.7	9.37	7.4
SR5	7/24/2019 1:10	25.73	78.6	5.86	8.8	SR5	7/24/2019 7:10	27.45	77.0	5.44	7.1	SR5	7/24/2019 13:10	26.49	77.3	5.75	6.7	SR5	7/24/2019 19:10	28.68	129.6	8.97	6.5
SR5	7/24/2019 1:15	25.76	79.3	5.91	7.6	SR5	7/24/2019 7:15	27.42	76.1	5.38	7.2	SR5	7/24/2019 13:15	26.47	78.9	5.87	6.8	SR5	7/24/2019 19:15	28.64	129.9	8.98	7.1
SR5	7/24/2019 1:20	25.71	78.5	5.86	6.4	SR5	7/24/2019 7:20	27.47	76.8	5.43	7.6	SR5	7/24/2019 13:20	26.58	80.3	5.97	8.2	SR5	7/24/2019 19:20	28.50	118.2	8.20	5.9
SR5	7/24/2019 1:25	25.73	80.8	6.01	6.8	SR5	7/24/2019 7:25	27.45	75.9	5.37	6.6	SR5	7/24/2019 13:25	26.55	79.1	5.87	6.3	SR5	7/24/2019 19:25	28.59	119.6	8.29	6.9
SR5	7/24/2019 1:30	25.69	80.2	5.98	6.7	SR5	7/24/2019 7:30	27.51	77.4	5.47	6.5	SR5	7/24/2019 13:30	26.48	79.5	5.90	5.9	SR5	7/24/2019 19:30	28.53	114.2	7.93	6.5
SR5	7/24/2019 1:35	25.68	81.2	6.05	6.9	SR5	7/24/2019 7:35	27.61	79.4	5.60	7.0	SR5	7/24/2019 13:35	26.55	80.9	5.99	6.5	SR5	7/24/2019 19:35	28.54	112.6	7.81	7.0
SR5	7/24/2019 1:40	25.70	81.4	6.06	7.5	SR5	7/24/2019 7:40	27.61	79.5	5.61	8.3	SR5	7/24/2019 13:40	26.29	74.1	5.14	7.7	SR5	7/24/2019 19:40	28.51	113.2	7.86	7.1
SR5	7/24/2019 1:45	25.68	81.2	6.04	7.2	SR5	7/24/2019 7:45	27.65	80.9	5.72	8.1	SR5	7/24/2019 13:45	26.32	75.1	5.20	6.6	SR5	7/24/2019 19:45	28.53	116.3	8.07	7.5
SR5	7/24/2019 1:50	25.68	81.0	6.03	7.7	SR5	7/24/2019 7:50	27.65	78.5	5.54	8.0	SR5	7/24/2019 13:50	26.30	75.5	5.23	8.7	SR5	7/24/2019 19:50	28.53	116.8	8.10	7.6
SR5	7/24/2019 1:55	25.64	82.5	6.13	7.5	SR5	7/24/2019 7:55	27.63	77.2	5.45	7.4	SR5	7/24/2019 13:55	26.37	77.9	5.39	6.9	SR5	7/24/2019 19:55	28.51	114.4	7.94	5.6
SR5	7/24/2019 2:00	25.65	80.9	6.02	6.7	SR5	7/24/2019 8:00	27.66	76.8	5.42	8.9	SR5	7/24/2019 14:00	26.38	78.9	5.46	7.5	SR5	7/24/2019 20:00	28.48	112.5	7.81	7.4
SR5	7/24/2019 2:05	25.62	81.7	6.08	8.3	SR5	7/24/2019 8:05	27.69	75.9	5.36	7.9	SR5	7/24/2019 14:05	26.37	79.5	5.49	6.0	SR5	7/24/2019 20:05	28.54	116.2	8.06	5.3
SR5	7/24/2019 2:10	25.63	82.8	6.16	6.7	SR5	7/24/2019 8:10	27.66	75.8	5.35	7.2	SR5	7/24/2019 14:10	26.40	81.5	5.63	6.7	SR5	7/24/2019 20:10	28.59	120.4	8.33	6.2
SR5	7/24/2019 2:15	25.64	81.8	6.08	7.1	SR5	7/24/2019 8:15	27.75	76.6	5.40	6.9	SR5	7/24/2019 14:15	26.51	82.5	5.70	5.8	SR5	7/24/2019 20:15	28.58	116.1	8.05	6.2
SR5	7/24/2019 2:20	25.65	83.6	6.21	8.4	SR5	7/24/2019 8:20	27.69	76.0	5.36	8.0	SR5	7/24/2019 14:20	26.63	85.7	5.91	6.2	SR5	7/24/2019 20:20	28.54	112.3	7.80	7.6
SR5	7/24/2019 2:25	25.66	84.1	6.26	7.7	SR5	7/24/2019 8:25	27.77	76.9	5.42	8.4	SR5	7/24/2019 14:25	26.66	87.4	6.03	7.1	SR5	7/24/2019 20:25	28.54	116.8	8.09	6.8
SR5	7/24/2019 2:30	25.66	83.3	6.20	8.7	SR5	7/24/2019 8:30	27.77	77.7	5.48	7.3	SR5	7/24/2019 14:30	26.69	90.8	6.26	7.6	SR5	7/24/2019 20:30	28.58	118.5	8.20	5.6
SR5	7/24/2019 2:35	25.66	82.5	6.15	7.2	SR5	7/24/2019 8:35	27.80	78.7	5.55	8.2	SR5	7/24/2019 14:35	26.70	93.0	6.40	8.7	SR5	7/24/2019 20:35	28.31	112.5	7.81	7.3
SR5	7/24/2019 2:40	25.66	82.3	6.13	7.0	SR5	7/24/2019 8:40	27.75	77.5	5.47	6.7	SR5	7/24/2019 14:40	26.74	93.7	6.45	5.8	SR5	7/24/2019 20:40	28.17	103.8	7.22	7.1
SR5	7/24/2019 2:45	25.70	82.2	6.13	7.1	SR5	7/24/2019 8:45	27.72	76.9	5.42	7.5	SR5	7/24/2019 14:45	27.31	95.1	6.54	7.9	SR5	7/24/2019 20:45	28.33	106.1	7.37	6.0
SR5	7/24/2019 2:50	25.71	81.3	6.06	8.1	SR5	7/24/2019 8:50	27.77	77.4	5.46	8.5	SR5	7/24/2019 14:50	27.28	97.5	6.73	7.8	SR5	7/24/2019 20:50	28.09	102.3	7.12	7.2
SR5	7/24/2019 2:55	25.71	82.1	6.11	8.0	SR5	7/24/2019 8:55	27.76	77.1	5.44	8.2	SR5	7/24/2019 14:55	27.42	98.6	6.83	6.5	SR5	7/24/2019 20:55	28.25	104.7	7.28	6.8
SR5	7/24/2019 3:00	25.67	82.2	6.13	7.5	SR5	7/24/2019 9:00	27.75	76.8	5.42	9.1	SR5	7/24/2019 15:00	27.37	97.9	6.78	6.1	SR5	7/24/2019 21:00	28.30	107.5	7.47	6.8
SR5	7/24/2019 3:05	25.70	82.7	6.15	7.5	SR5	7/24/2019 9:05	27.77	76.9	5.42	6.8	SR5	7/24/2019 15:05	27.29	97.9	6.78	6.4	SR5	7/24/2019 21:05	28.20	103.7	7.22	5.7
SR5	7/24/2019 3:10	26.34	83.9	6.24	8.0	SR5	7/24/2019 9:10	27.76	77.5	5.46	7.2	SR5	7/24/2019 15:10	27.43	99.2	6.86	6.7	SR5	7/24/2019 21:10	28.20	103.2	7.19	6.0
SR5	7/24/2019 3:15	26.10	83.2	6.19	8.3	SR5	7/24/2019 9:15	27.80	77.7	5.48	6.9	SR5	7/24/2019 15:15	27.32	98.1	6.79	7.5	SR5	7/24/2019 21:15	28.20	103.6	7.21	7.4
SR5	7/24/2019 3:20	25.98	82.8	6.17	6.9	SR5	7/24/2019 9:20	27.74	79.4	5.60	7.4	SR5	7/24/2019 15:20	27.27	97.7	6.76	6.0	SR5	7/24/2019 21:20	28.26	105.7	7.36	7.2
SR5	7/24/2019 3:25	26.37	82.7	6.17	7.5	SR5	7/24/2019 9:25	27.77	78.3	5.52	7.1	SR5	7/24/2019 15:25	27.26	97.2	6.73	8.2	SR5	7/24/2019 21:25	28.24	106.4	7.40	5.4
SR5	7/24/2019 3:30	26.00	83.5	6.21	8.2	SR5	7/24/2019 9:30	27.76	78.7	5.55	7.6	SR5	7/24/2019 15:30	27.41	98.5	6.81	7.2	SR5	7/24/2019 21:30	28.21	104.3	7.26	6.1
SR5	7/24/2019 3:35	26.30	82.7	6.17	8.0	SR5	7/24/2019 9:35	27.76	78.4	5.53	7.7	SR5	7/24/2019 15:35	27.55	99.8	6.89	5.0	SR5	7/24/2019 21:35	28.23	104.4	7.27	6.5
SR5	7/24/2019 3:40	26.09	83.3	6.20	8.0	SR5	7/24/2019 9:40	27.77	79.3	5.59	6.8	SR5	7/24/2019 15:40	27.70	106.8	7.38	5.4	SR5	7/24/2019 21:40	28.30	106.3	7.39	5.7
SR5	7/24/2019 3:45	26.51	81.9	6.10	6.5	SR5	7/24/2019 9:45	27.78	79.4	5.59	14.2	SR5	7/24/2019 15:45	27.81	112.7	7.78	7.9	SR5	7/24/2019 21:45	28.30	106.3	7.39	7.1
SR5	7/24/2019 3:50	26.47	83.4	6.21	7.7	SR5	7/24/2019 9:50	27.78	79.5	5.61	6.9	SR5	7/24/2019 15:50	28.09	114.9	7.92	6.6	SR5	7/24/2019 21:50	28.27	107.7	7.49	6.0
SR5	7/24/2019 3:55	26.51	82																				

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	7/24/2019 0:01	25.85	62.0	4.32	8.4	SR12	7/24/2019 6:01	26.63	71.6	5.02	6.8	SR12	7/24/2019 12:01	26.20	67.0	4.67	7.7	SR12	7/24/2019 18:01	26.96	85.1	5.90	7.1
SR12	7/24/2019 0:06	25.75	60.7	4.24	6.6	SR12	7/24/2019 6:06	26.65	71.8	5.02	7.5	SR12	7/24/2019 12:06	25.97	66.4	4.63	7.9	SR12	7/24/2019 18:06	26.77	82.7	5.74	6.8
SR12	7/24/2019 0:11	25.78	61.8	4.30	6.9	SR12	7/24/2019 6:11	26.55	69.9	4.89	7.6	SR12	7/24/2019 12:11	26.09	69.7	4.85	7.0	SR12	7/24/2019 18:11	26.91	83.9	5.82	6.3
SR12	7/24/2019 0:16	25.94	66.7	4.65	7.3	SR12	7/24/2019 6:16	26.59	70.2	4.91	6.6	SR12	7/24/2019 12:16	26.20	73.3	5.10	7.8	SR12	7/24/2019 18:16	26.98	86.2	5.98	6.5
SR12	7/24/2019 0:21	25.97	65.9	4.60	7.3	SR12	7/24/2019 6:21	26.62	72.3	5.06	6.3	SR12	7/24/2019 12:21	26.26	77.2	5.37	8.5	SR12	7/24/2019 18:21	26.95	87.6	6.07	6.4
SR12	7/24/2019 0:26	26.03	63.6	4.43	6.0	SR12	7/24/2019 6:26	26.77	72.5	5.08	6.5	SR12	7/24/2019 12:26	26.26	74.0	5.14	7.6	SR12	7/24/2019 18:26	26.95	86.3	5.98	6.6
SR12	7/24/2019 0:31	26.12	65.0	4.54	7.3	SR12	7/24/2019 6:31	26.61	69.8	4.89	6.6	SR12	7/24/2019 12:31	26.17	75.4	5.24	7.4	SR12	7/24/2019 18:31	26.93	85.3	5.91	6.2
SR12	7/24/2019 0:36	26.11	64.0	4.46	7.5	SR12	7/24/2019 6:36	26.65	68.9	4.82	9.9	SR12	7/24/2019 12:36	26.06	73.6	5.11	7.6	SR12	7/24/2019 18:36	26.96	87.5	6.06	6.1
SR12	7/24/2019 0:41	26.06	64.0	4.46	6.0	SR12	7/24/2019 6:41	26.60	70.5	4.93	16.9	SR12	7/24/2019 12:41	26.11	75.9	5.27	16.8	SR12	7/24/2019 18:41	26.93	87.9	6.09	5.6
SR12	7/24/2019 0:46	26.14	62.3	4.34	6.1	SR12	7/24/2019 6:46	26.33	67.9	4.75	6.7	SR12	7/24/2019 12:46	26.22	77.6	5.38	7.3	SR12	7/24/2019 18:46	26.92	90.1	6.25	7.0
SR12	7/24/2019 0:51	26.09	63.8	4.45	7.4	SR12	7/24/2019 6:51	26.27	63.3	4.42	7.4	SR12	7/24/2019 12:51	26.22	74.9	5.20	7.6	SR12	7/24/2019 18:51	26.88	90.0	6.24	6.4
SR12	7/24/2019 0:56	26.09	62.8	4.38	7.1	SR12	7/24/2019 6:56	26.06	63.3	4.42	8.0	SR12	7/24/2019 12:56	26.24	78.5	5.45	6.9	SR12	7/24/2019 18:56	26.86	87.5	6.07	6.1
SR12	7/24/2019 1:01	26.06	62.3	4.34	7.1	SR12	7/24/2019 7:01	26.22	65.3	4.55	8.2	SR12	7/24/2019 13:01	26.17	76.1	5.28	7.1	SR12	7/24/2019 19:01	27.11	96.2	6.67	6.6
SR12	7/24/2019 1:06	26.12	63.4	4.43	6.3	SR12	7/24/2019 7:06	26.60	71.0	4.97	7.0	SR12	7/24/2019 13:06	26.28	80.2	5.56	7.2	SR12	7/24/2019 19:06	27.04	93.2	6.46	5.6
SR12	7/24/2019 1:11	26.23	64.4	4.49	7.7	SR12	7/24/2019 7:11	26.29	65.9	4.60	7.3	SR12	7/24/2019 13:11	26.08	74.0	5.14	6.8	SR12	7/24/2019 19:11	26.97	90.4	6.27	7.0
SR12	7/24/2019 1:16	26.06	63.8	4.45	6.2	SR12	7/24/2019 7:16	26.43	69.7	4.86	6.2	SR12	7/24/2019 13:16	26.03	77.5	5.38	7.3	SR12	7/24/2019 19:16	27.01	91.0	6.32	6.0
SR12	7/24/2019 1:21	26.05	62.1	4.33	7.2	SR12	7/24/2019 7:21	26.31	67.9	4.75	7.3	SR12	7/24/2019 13:21	26.53	81.9	5.68	7.5	SR12	7/24/2019 19:21	27.07	90.3	6.27	6.7
SR12	7/24/2019 1:26	26.47	71.5	4.99	7.1	SR12	7/24/2019 7:26	26.42	69.8	4.88	7.0	SR12	7/24/2019 13:26	26.65	84.4	5.84	7.0	SR12	7/24/2019 19:26	26.98	88.4	6.14	6.6
SR12	7/24/2019 1:31	26.29	67.3	4.71	7.6	SR12	7/24/2019 7:31	26.42	70.2	4.90	6.2	SR12	7/24/2019 13:31	26.40	86.8	6.02	6.8	SR12	7/24/2019 19:31	26.95	86.6	6.02	6.4
SR12	7/24/2019 1:36	26.47	70.2	4.91	6.4	SR12	7/24/2019 7:36	26.39	69.8	4.89	17.1	SR12	7/24/2019 13:36	26.59	90.7	6.28	6.6	SR12	7/24/2019 19:36	26.92	85.6	5.94	6.7
SR12	7/24/2019 1:41	26.43	69.0	4.82	8.1	SR12	7/24/2019 7:41	26.44	70.7	4.94	7.9	SR12	7/24/2019 13:41	26.94	76.0	5.24	6.4	SR12	7/24/2019 19:41	26.93	85.0	5.91	7.1
SR12	7/24/2019 1:46	26.42	73.5	5.14	8.4	SR12	7/24/2019 7:46	26.29	69.0	4.82	6.7	SR12	7/24/2019 13:46	27.37	80.9	5.58	7.0	SR12	7/24/2019 19:46	26.93	84.5	5.88	6.9
SR12	7/24/2019 1:51	26.44	70.6	4.93	7.0	SR12	7/24/2019 7:51	26.52	71.2	4.98	9.3	SR12	7/24/2019 13:51	27.59	82.4	5.68	7.0	SR12	7/24/2019 19:51	26.94	83.9	5.84	6.4
SR12	7/24/2019 1:56	26.48	75.3	5.25	6.9	SR12	7/24/2019 7:56	26.36	70.1	4.90	7.7	SR12	7/24/2019 13:56	27.50	83.2	5.74	6.4	SR12	7/24/2019 19:56	26.96	83.9	5.84	6.2
SR12	7/24/2019 2:01	26.26	72.0	5.03	8.2	SR12	7/24/2019 8:01	26.20	66.7	4.67	9.7	SR12	7/24/2019 14:01	27.52	84.6	5.84	6.2	SR12	7/24/2019 20:01	26.98	83.7	5.83	6.4
SR12	7/24/2019 2:06	26.33	70.6	4.93	7.2	SR12	7/24/2019 8:06	26.22	68.8	4.81	9.8	SR12	7/24/2019 14:06	27.67	83.6	5.76	6.5	SR12	7/24/2019 20:06	26.99	84.0	5.84	6.0
SR12	7/24/2019 2:11	26.58	73.8	5.17	7.0	SR12	7/24/2019 8:11	26.22	67.2	4.71	7.5	SR12	7/24/2019 14:11	26.89	78.2	5.41	7.1	SR12	7/24/2019 20:11	27.01	84.2	5.86	6.6
SR12	7/24/2019 2:16	26.33	71.2	4.97	7.7	SR12	7/24/2019 8:16	26.44	73.1	5.10	8.5	SR12	7/24/2019 14:16	27.07	79.7	5.51	5.3	SR12	7/24/2019 20:16	26.99	82.4	5.74	6.5
SR12	7/24/2019 2:21	26.67	76.4	5.34	16.5	SR12	7/24/2019 8:21	26.33	69.7	4.86	7.0	SR12	7/24/2019 14:21	27.06	80.7	5.58	6.7	SR12	7/24/2019 20:21	26.99	81.8	5.69	5.8
SR12	7/24/2019 2:26	26.73	75.3	5.28	6.7	SR12	7/24/2019 8:26	26.39	72.3	5.04	8.6	SR12	7/24/2019 14:26	26.99	77.7	5.38	6.0	SR12	7/24/2019 20:26	27.04	83.6	5.82	6.5
SR12	7/24/2019 2:31	26.74	75.1	5.27	8.6	SR12	7/24/2019 8:31	26.51	79.6	5.55	7.9	SR12	7/24/2019 14:31	27.07	80.5	5.57	5.1	SR12	7/24/2019 20:31	27.06	83.4	5.80	6.6
SR12	7/24/2019 2:36	26.79	71.8	5.03	6.0	SR12	7/24/2019 8:36	26.45	76.6	5.34	7.2	SR12	7/24/2019 14:36	27.04	81.9	5.68	6.8	SR12	7/24/2019 20:36	27.09	83.1	5.79	5.5
SR12	7/24/2019 2:41	26.72	71.4	5.01	6.2	SR12	7/24/2019 8:41	26.56	83.5	5.84	7.0	SR12	7/24/2019 14:41	27.11	78.1	5.40	5.8	SR12	7/24/2019 20:41	27.08	82.8	5.76	6.5
SR12	7/24/2019 2:46	26.75	72.7	5.10	6.7	SR12	7/24/2019 8:46	26.45	79.4	5.55	8.5	SR12	7/24/2019 14:46	27.08	82.0	5.68	6.8	SR12	7/24/2019 20:46	27.11	84.0	5.85	7.1
SR12	7/24/2019 2:51	26.55	69.4	4.85	7.4	SR12	7/24/2019 8:51	26.42	76.6	5.36	9.4	SR12	7/24/2019 14:51	26.74	76.2	5.29	5.9	SR12	7/24/2019 20:51	27.12	84.0	5.85	7.0
SR12	7/24/2019 2:56	26.66	72.3	5.06	6.5	SR12	7/24/2019 8:56	26.30	74.4	5.19	8.6	SR12	7/24/2019 14:56	26.81	77.2	5.37	5.8	SR12	7/24/2019 20:56	27.14	83.8	5.83	6.4
SR12	7/24/2019 3:01	26.86	73.8	5.19	7.6	SR12	7/24/2019 9:01	26.29	72.7	5.08	19.7	SR12	7/24/2019 15:01	26.54	73.3	5.10	6.1	SR12	7/24/2019 21:01	27.14	82.6	5.75	6.6
SR12	7/24/2019 3:06	26.64	72.4	5.06	6.7	SR12	7/24/2019 9:06	26.35	75.9	5.30	7.9	SR12	7/24/2019 15:06	26.89	77.6	5.39	6.6	SR12	7/24/2019 21:06	27.14	82.9	5.77	6.1
SR12	7/24/2019 3:11	26.83	75.5	5.29	6.0	SR12	7/24/2019 9:11	26.38	77.1	5.40	8.4	SR12	7/24/2019 15:11	27.40	87.4	6.05	5.2	SR12	7/24/2019 21:11	27.15	83.2	5.79	6.6
SR12	7/24/2019 3:16	26.63	73.1	5.12	6.5	SR12	7/24/2019 9:16	26.38	75.3	5.27	7.9	SR12	7/24/2019 15:16	27.03	82.6	5.73	5.7	SR12	7/24/2019 21:16	27.12	81.9	5.70	6.6
SR12	7/24/2019 3:21	26.54	72.3	5.06	7.2	SR12	7/24/2019 9:21	26.43	79.3	5.54	8.3	SR12	7/24/2019 15:21	26.95	81.5	5.66	6.7	SR12	7/24/2019 21:21	27.17	83.3	5.80	6.6
SR12	7/24/2019 3:26	26.71	73.6	5.16	7.5	SR12	7/24/2019 9:26	26.54	81.3	5.68	7.4	SR12	7/24/2019 15:26	27.39	88.8	6.15	7.1	SR12	7/24/2019 21:26	27.16	82.7	5.75	6.6
SR12	7/24/2019 3:31	26.83	74.8	5.24	6.6	SR12	7/24/2019 9:31	26.55	81.0	5.66	7.6	SR12	7/24/2019 15:31	26.81	80.7	5.60	5.8	SR12	7/24/2019 21:31	27.17	82.0	5.71	6.4
SR12	7/24/2019 3:36	26.71	71.2	4.99	6.1	SR12	7/24/2019 9:36	26.52	80.5	5.62	7.8	SR12	7/24/2019 15:36	27.13	85.7	5.94	6.8	SR12	7/24/2019 21:36	27.22	83.5	5.82	7.2
SR12	7/24/2019 3:41	26.72	72.7	5.08	7.9	SR12	7/24/2019 9:41	26.57	82.4	5.76	8.5	SR12	7/24/2019 15:41	26.94	83.1	5.77	7.1	SR12	7/24/2019 21:41	27.20	83.1	5.78	7.1
SR12	7/24/2019 3:46	26.76	73.3	5.14	7.0	SR12	7/24/2019 9:46	26.60	82.3	5.75	15.9	SR12	7/24/2019 15:46	27.06	83.2	5.77	6.3	SR12	7/24/2019 21:46	27.25	83.3	5.80	6.3
SR12	7/24/2019 3:51	26.87	76.3	5.36	6.1	SR12	7/24/2019 9:51	26.63	83.7	5.85	8.6	SR12	7/24/2019 15:51	2									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	7/24/2019 0:00	26.65	68.5	5.04	7.8	SR13	7/24/2019 6:00	27.05	71.0	5.21	7.4	SR13	7/24/2019 12:00	27.33	81.6	5.82	7.4	SR13	7/24/2019 18:00	27.96	98.0	6.91	7.3
SR13	7/24/2019 0:05	26.81	72.0	5.28	7.2	SR13	7/24/2019 6:05	27.10	72.1	5.29	7.3	SR13	7/24/2019 12:05	27.38	82.4	5.88	7.4	SR13	7/24/2019 18:05	27.94	97.6	6.88	6.5
SR13	7/24/2019 0:10	26.76	70.5	5.18	7.7	SR13	7/24/2019 6:10	27.16	72.3	5.30	7.3	SR13	7/24/2019 12:10	27.33	83.9	5.99	6.7	SR13	7/24/2019 18:10	28.00	96.3	6.79	6.5
SR13	7/24/2019 0:15	26.79	72.2	5.30	6.9	SR13	7/24/2019 6:15	27.19	70.5	5.08	9.3	SR13	7/24/2019 12:15	27.32	83.9	5.98	7.3	SR13	7/24/2019 18:15	27.99	95.4	6.73	7.0
SR13	7/24/2019 0:20	26.77	72.0	5.29	7.5	SR13	7/24/2019 6:20	27.20	71.7	5.16	7.7	SR13	7/24/2019 12:20	27.23	76.6	5.46	7.4	SR13	7/24/2019 18:20	27.96	94.7	6.69	7.3
SR13	7/24/2019 0:25	26.75	74.0	5.43	8.1	SR13	7/24/2019 6:25	27.19	71.2	5.12	7.3	SR13	7/24/2019 12:25	27.30	77.0	5.48	7.8	SR13	7/24/2019 18:25	27.98	93.1	6.58	6.9
SR13	7/24/2019 0:30	26.75	72.5	5.32	7.3	SR13	7/24/2019 6:30	27.23	72.0	5.18	8.3	SR13	7/24/2019 12:30	27.29	79.4	5.78	7.0	SR13	7/24/2019 18:30	28.02	92.2	6.51	6.5
SR13	7/24/2019 0:35	26.74	74.3	5.44	7.2	SR13	7/24/2019 6:35	27.25	72.6	5.23	7.5	SR13	7/24/2019 12:35	27.27	79.4	5.77	7.1	SR13	7/24/2019 18:35	28.01	91.8	6.48	7.0
SR13	7/24/2019 0:40	26.62	72.4	5.31	8.0	SR13	7/24/2019 6:40	27.15	70.8	5.10	8.5	SR13	7/24/2019 12:40	27.30	80.5	5.85	8.8	SR13	7/24/2019 18:40	27.87	91.4	6.46	6.6
SR13	7/24/2019 0:45	26.66	72.0	5.28	7.1	SR13	7/24/2019 6:45	27.17	71.2	5.12	8.2	SR13	7/24/2019 12:45	27.37	80.7	5.87	7.1	SR13	7/24/2019 18:45	27.87	91.9	6.49	6.5
SR13	7/24/2019 0:50	26.74	73.8	5.41	7.3	SR13	7/24/2019 6:50	27.19	70.8	5.10	7.8	SR13	7/24/2019 12:50	27.06	78.1	5.70	7.5	SR13	7/24/2019 18:50	27.88	93.2	6.58	6.6
SR13	7/24/2019 0:55	26.59	72.5	5.31	7.9	SR13	7/24/2019 6:55	27.23	73.2	5.26	8.4	SR13	7/24/2019 12:55	27.15	79.1	5.76	6.7	SR13	7/24/2019 18:55	27.88	93.2	6.59	6.6
SR13	7/24/2019 1:00	26.76	74.7	5.48	10.7	SR13	7/24/2019 7:00	27.14	71.8	5.16	7.3	SR13	7/24/2019 13:00	27.15	79.3	5.78	7.0	SR13	7/24/2019 19:00	27.87	94.3	6.66	6.8
SR13	7/24/2019 1:05	26.80	74.7	5.48	7.4	SR13	7/24/2019 7:05	27.22	72.3	5.20	7.6	SR13	7/24/2019 13:05	27.15	79.0	5.76	6.6	SR13	7/24/2019 19:05	27.95	97.1	6.84	7.1
SR13	7/24/2019 1:10	26.77	74.6	5.47	8.5	SR13	7/24/2019 7:10	27.29	75.7	5.44	7.5	SR13	7/24/2019 13:10	27.18	79.1	5.76	6.3	SR13	7/24/2019 19:10	27.94	94.9	6.70	6.6
SR13	7/24/2019 1:15	26.83	73.7	5.41	7.0	SR13	7/24/2019 7:15	27.25	74.1	5.33	7.5	SR13	7/24/2019 13:15	27.17	80.1	5.84	7.0	SR13	7/24/2019 19:15	27.96	94.8	6.69	6.4
SR13	7/24/2019 1:20	26.72	72.7	5.34	6.7	SR13	7/24/2019 7:20	27.29	77.3	5.55	7.2	SR13	7/24/2019 13:20	27.23	79.2	5.77	7.2	SR13	7/24/2019 19:20	27.91	90.8	6.42	6.5
SR13	7/24/2019 1:25	26.79	74.5	5.47	6.9	SR13	7/24/2019 7:25	27.27	75.3	5.41	7.6	SR13	7/24/2019 13:25	27.22	80.2	5.84	6.8	SR13	7/24/2019 19:25	27.96	91.5	6.47	7.1
SR13	7/24/2019 1:30	26.71	73.2	5.38	7.0	SR13	7/24/2019 7:30	27.21	75.0	5.39	8.0	SR13	7/24/2019 13:30	27.07	77.4	5.64	6.2	SR13	7/24/2019 19:30	27.93	89.6	6.35	6.8
SR13	7/24/2019 1:35	26.69	74.8	5.49	6.8	SR13	7/24/2019 7:35	27.22	74.7	5.37	7.8	SR13	7/24/2019 13:35	27.13	78.6	5.73	6.5	SR13	7/24/2019 19:35	27.94	88.7	6.28	6.8
SR13	7/24/2019 1:40	26.79	75.6	5.56	7.6	SR13	7/24/2019 7:40	27.25	75.6	5.45	16.7	SR13	7/24/2019 13:40	26.94	74.7	5.33	7.0	SR13	7/24/2019 19:40	27.92	87.9	6.22	6.9
SR13	7/24/2019 1:45	26.65	74.9	5.50	7.0	SR13	7/24/2019 7:45	27.25	76.8	5.53	8.0	SR13	7/24/2019 13:45	27.07	77.0	5.48	6.9	SR13	7/24/2019 19:45	27.92	88.9	6.29	6.9
SR13	7/24/2019 1:50	26.77	76.4	5.61	7.0	SR13	7/24/2019 7:50	27.29	75.7	5.44	8.2	SR13	7/24/2019 13:50	27.27	81.0	5.76	7.2	SR13	7/24/2019 19:50	27.92	89.7	6.34	7.1
SR13	7/24/2019 1:55	26.68	75.8	5.56	7.1	SR13	7/24/2019 7:55	27.27	74.4	5.35	7.7	SR13	7/24/2019 13:55	27.17	79.9	5.68	6.7	SR13	7/24/2019 19:55	27.90	88.4	6.26	6.4
SR13	7/24/2019 2:00	26.63	74.6	5.47	7.2	SR13	7/24/2019 8:00	27.29	75.5	5.42	8.4	SR13	7/24/2019 14:00	27.12	79.7	5.67	7.3	SR13	7/24/2019 20:00	27.91	88.1	6.24	7.1
SR13	7/24/2019 2:05	26.73	75.5	5.54	7.8	SR13	7/24/2019 8:05	27.35	75.9	5.45	7.6	SR13	7/24/2019 14:05	27.28	82.7	5.86	6.8	SR13	7/24/2019 20:05	27.93	89.1	6.30	6.3
SR13	7/24/2019 2:10	26.78	76.0	5.58	6.9	SR13	7/24/2019 8:10	27.33	75.9	5.45	7.3	SR13	7/24/2019 14:10	27.04	80.3	5.70	6.6	SR13	7/24/2019 20:10	27.95	90.1	6.37	6.7
SR13	7/24/2019 2:15	26.72	74.2	5.45	6.7	SR13	7/24/2019 8:15	27.37	76.2	5.47	7.4	SR13	7/24/2019 14:15	27.22	82.4	5.85	6.5	SR13	7/24/2019 20:15	27.97	89.2	6.32	6.8
SR13	7/24/2019 2:20	26.74	75.5	5.54	8.2	SR13	7/24/2019 8:20	27.38	76.8	5.52	8.1	SR13	7/24/2019 14:20	27.18	82.4	5.84	7.1	SR13	7/24/2019 20:20	27.94	87.8	6.21	7.2
SR13	7/24/2019 2:25	26.75	75.8	5.57	7.4	SR13	7/24/2019 8:25	27.45	77.0	5.52	12.0	SR13	7/24/2019 14:25	27.28	83.0	5.88	6.7	SR13	7/24/2019 20:25	27.96	89.4	6.32	6.6
SR13	7/24/2019 2:30	26.76	76.8	5.64	7.3	SR13	7/24/2019 8:30	27.40	77.7	5.58	8.0	SR13	7/24/2019 14:30	27.35	85.5	6.05	7.1	SR13	7/24/2019 20:30	27.97	89.7	6.34	6.4
SR13	7/24/2019 2:35	26.77	75.4	5.54	7.7	SR13	7/24/2019 8:35	27.45	77.8	5.58	8.0	SR13	7/24/2019 14:35	27.29	84.5	5.97	7.7	SR13	7/24/2019 20:35	27.88	87.3	6.18	7.0
SR13	7/24/2019 2:40	26.75	75.4	5.54	6.7	SR13	7/24/2019 8:40	27.42	77.5	5.56	7.4	SR13	7/24/2019 14:40	27.39	89.1	6.29	6.8	SR13	7/24/2019 20:40	27.85	85.0	6.03	6.9
SR13	7/24/2019 2:45	26.73	75.1	5.52	7.3	SR13	7/24/2019 8:45	27.40	76.5	5.48	8.1	SR13	7/24/2019 14:45	27.58	89.2	6.30	6.8	SR13	7/24/2019 20:45	27.90	85.3	6.04	6.7
SR13	7/24/2019 2:50	26.69	74.4	5.46	8.2	SR13	7/24/2019 8:50	27.42	77.5	5.56	8.1	SR13	7/24/2019 14:50	27.53	89.9	6.36	7.5	SR13	7/24/2019 20:50	27.81	83.6	5.93	7.1
SR13	7/24/2019 2:55	26.78	75.0	5.50	7.7	SR13	7/24/2019 8:55	27.42	77.3	5.54	7.9	SR13	7/24/2019 14:55	27.52	87.9	6.23	6.7	SR13	7/24/2019 20:55	27.86	84.5	5.99	7.3
SR13	7/24/2019 3:00	26.77	74.8	5.49	7.6	SR13	7/24/2019 9:00	27.43	77.5	5.56	8.2	SR13	7/24/2019 15:00	27.54	88.1	6.24	6.9	SR13	7/24/2019 21:00	27.89	84.9	6.02	7.2
SR13	7/24/2019 3:05	26.65	74.5	5.46	7.3	SR13	7/24/2019 9:05	27.44	76.6	5.49	7.5	SR13	7/24/2019 15:05	27.60	87.2	6.18	6.2	SR13	7/24/2019 21:05	27.85	83.2	5.90	6.4
SR13	7/24/2019 3:10	27.01	76.0	5.58	7.7	SR13	7/24/2019 9:10	27.39	75.2	5.40	7.6	SR13	7/24/2019 15:10	27.58	86.5	6.13	7.0	SR13	7/24/2019 21:10	27.85	82.9	5.89	6.7
SR13	7/24/2019 3:15	26.88	76.2	5.59	7.6	SR13	7/24/2019 9:15	27.41	75.4	5.42	6.8	SR13	7/24/2019 15:15	27.45	85.2	6.04	11.0	SR13	7/24/2019 21:15	27.85	84.3	5.98	7.5
SR13	7/24/2019 3:20	26.83	75.5	5.54	7.2	SR13	7/24/2019 9:20	27.35	76.6	5.50	7.2	SR13						SR13	7/24/2019 21:20	27.88	84.4	5.99	6.7
SR13	7/24/2019 3:25	26.99	75.2	5.53	7.6	SR13	7/24/2019 9:25	27.35	75.9	5.45	7.9	SR13						SR13	7/24/2019 21:25	27.88	84.9	6.03	5.9
SR13	7/24/2019 3:30	26.74	74.5	5.46	7.0	SR13	7/24/2019 9:30	27.44	77.9	5.59	7.6	SR13						SR13	7/24/2019 21:30	27.86	84.1	5.97	7.1
SR13	7/24/2019 3:35	26.89	73.9	5.43	11.4	SR13	7/24/2019 9:35	27.39	77.3	5.55	7.8	SR13						SR13	7/24/2019 21:35	27.87	83.9	5.96	6.9
SR13	7/24/2019 3:40	26.86	74.5	5.46	8.1	SR13	7/24/2019 9:40	27.37	76.7	5.50	7.6	SR13	7/24/2019 15:40	27.77	88.6	6.27	6.2	SR13	7/24/2019 21:40	27.89	84.4	5.99	6.9
SR13	7/24/2019 3:45	26.99	73.5	5.40	7.0	SR13	7/24/2019 9:45	27.31	76.9	5.51	10.5	SR13	7/24/2019 15:45	27.87	91.0	6.43	7.3	SR13	7/24/2019 21:45	27.89	84.6	6.01	7.4
SR13	7/24/2019 3:50	26.96	74.4	5.46	7.5	SR13	7/24/2019 9:50	27.35	76.5	5.49	7.4	SR13	7/24/2019 15:50	27.93	92.8	6.55	6.7	SR13	7/24/2019 21:50	27.87	84.1	5.97	6.8
SR13	7/24/2019 3:55	27.01	74.																				

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	7/24/2019 0:17	0.21				SR12	7/24/2019 0:17	0.25			
SR4	7/24/2019 0:37	0.20				SR12	7/24/2019 0:37	0.25			
SR4	7/24/2019 0:57	0.20				SR12	7/24/2019 0:57	0.24			
SR4	7/24/2019 1:17	0.19				SR12	7/24/2019 1:17	0.22			
SR4	7/24/2019 1:37	0.17				SR12	7/24/2019 1:37	0.21			
SR4	7/24/2019 1:57	0.20				SR12	7/24/2019 1:57	0.22			
SR4	7/24/2019 2:17	0.20				SR12	7/24/2019 2:17	0.23			
SR4	7/24/2019 2:37	0.18				SR12	7/24/2019 2:37	0.22			
SR4	7/24/2019 2:57	0.20				SR12	7/24/2019 2:57	0.21			
SR4	7/24/2019 3:17	0.17				SR12	7/24/2019 3:17	0.22			
SR4	7/24/2019 3:37	0.20				SR12	7/24/2019 3:37	0.22			
SR4	7/24/2019 3:57	0.19				SR12	7/24/2019 3:57	0.22			
SR4	7/24/2019 4:17	0.18				SR12	7/24/2019 4:17	0.21			
SR4	7/24/2019 4:37	0.18				SR12	7/24/2019 4:37	0.23			
SR4	7/24/2019 4:57	0.19				SR12	7/24/2019 4:57	0.23			
SR4	7/24/2019 5:17	0.17				SR12	7/24/2019 5:17	0.21			
SR4	7/24/2019 5:37	0.18				SR12	7/24/2019 5:37	0.22			
SR4	7/24/2019 5:57	0.20				SR12	7/24/2019 5:57	0.21			
SR4						SR12					
SR4	7/24/2019 6:37	0.20				SR12	7/24/2019 6:37	0.21			
SR4	7/24/2019 6:57	0.17				SR12	7/24/2019 6:57	0.23			
SR4	7/24/2019 7:17	0.18				SR12	7/24/2019 7:17	0.21			
SR4	7/24/2019 7:37	0.17				SR12	7/24/2019 7:37	0.22			
SR4	7/24/2019 7:57	0.19				SR12	7/24/2019 7:57	0.22			
SR4	7/24/2019 8:17	0.20				SR12	7/24/2019 8:17	0.19			
SR4	7/24/2019 8:37	0.18				SR12	7/24/2019 8:37	0.21			
SR4	7/24/2019 8:57	0.17				SR12	7/24/2019 8:57	0.19			
SR4	7/24/2019 9:17	0.17				SR12	7/24/2019 9:17	0.21			
SR4	7/24/2019 9:37	0.17				SR12	7/24/2019 9:37	0.20			
SR4	7/24/2019 9:57	0.17				SR12	7/24/2019 9:57	0.18			
SR4	7/24/2019 10:17	0.16				SR12					
SR4	7/24/2019 10:37	0.19				SR12					
SR4	7/24/2019 10:57	0.19				SR12					
SR4	7/24/2019 11:17	0.18				SR12					
SR4	7/24/2019 11:37	0.18				SR12	7/24/2019 11:37	0.19			
SR4	7/24/2019 11:57	0.17				SR12	7/24/2019 11:57	0.20			
SR4						SR12	7/24/2019 12:17	0.20			
SR4						SR12	7/24/2019 12:37	0.19			
SR4						SR12	7/24/2019 12:57	0.18			
SR4						SR12	7/24/2019 13:17	0.18			
SR4						SR12	7/24/2019 13:37	0.20			
SR4	7/24/2019 13:57	0.19				SR12	7/24/2019 13:57	0.18			
SR4	7/24/2019 14:17	0.16				SR12	7/24/2019 14:17	0.17			
SR4	7/24/2019 14:37	0.16				SR12	7/24/2019 14:37	0.15			
SR4	7/24/2019 14:57	0.17				SR12	7/24/2019 14:57	0.17			
SR4	7/24/2019 15:17	0.18				SR12	7/24/2019 15:17	0.16			
SR4	7/24/2019 15:37	0.16				SR12	7/24/2019 15:37	0.17			
SR4	7/24/2019 15:57	0.18				SR12	7/24/2019 15:57	0.17			
SR4	7/24/2019 16:17	0.16				SR12	7/24/2019 16:17	0.17			
SR4	7/24/2019 16:37	0.16				SR12	7/24/2019 16:37	0.15			
SR4	7/24/2019 16:57	0.15				SR12	7/24/2019 16:57	0.16			
SR4	7/24/2019 17:17	0.17				SR12	7/24/2019 17:17	0.18			
SR4	7/24/2019 17:37	0.18				SR12	7/24/2019 17:37	0.15			
SR4	7/24/2019 17:57	0.18				SR12	7/24/2019 17:57	0.15			
SR4	7/24/2019 18:17	0.16				SR12	7/24/2019 18:17	0.18			
SR4	7/24/2019 18:37	0.15				SR12	7/24/2019 18:37	0.18			
SR4	7/24/2019 18:57	0.15				SR12	7/24/2019 18:57	0.15			
SR4	7/24/2019 19:17	0.17				SR12	7/24/2019 19:17	0.16			
SR4	7/24/2019 19:37	0.18				SR12	7/24/2019 19:37	0.18			
SR4	7/24/2019 19:57	0.18				SR12	7/24/2019 19:57	0.17			
SR4	7/24/2019 20:17	0.16				SR12	7/24/2019 20:17	0.18			
SR4	7/24/2019 20:37	0.16				SR12	7/24/2019 20:37	0.15			
SR4	7/24/2019 20:57	0.16				SR12	7/24/2019 20:57	0.15			
SR4	7/24/2019 21:17	0.16				SR12	7/24/2019 21:17	0.15			
SR4	7/24/2019 21:37	0.17				SR12	7/24/2019 21:37	0.18			
SR4	7/24/2019 21:57	0.18				SR12	7/24/2019 21:57	0.17			
SR4	7/24/2019 22:17	0.16				SR12	7/24/2019 22:17	0.18			
SR4	7/24/2019 22:37	0.17				SR12	7/24/2019 22:37	0.17			
SR4	7/24/2019 22:57	0.17				SR12	7/24/2019 22:57	0.18			
SR4	7/24/2019 23:17	0.15				SR12	7/24/2019 23:17	0.16			
SR4	7/24/2019 23:37	0.16				SR12	7/24/2019 23:37	0.17			
SR4	7/24/2019 23:57	0.18				SR12	7/24/2019 23:57	0.16			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR4 monitoring station was under maintenance during 12:06-13:21.
 SR12 monitoring station was under maintenance during 10:01-11:16.
 SR13 monitoring station was under maintenance during 15:15-15:40.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	7/25/2019 0:01	27.73	68.6	5.04	6.4	SR4	7/25/2019 6:01	27.83	69.7	5.11	7.5	SR4	7/25/2019 12:01	28.13	72.3	5.24	6.1	SR4	7/25/2019 18:01	28.24	106.2	7.49	6.2
SR4	7/25/2019 0:06	27.74	69.8	5.12	7.7	SR4	7/25/2019 6:06	27.96	69.4	5.09	7.6	SR4	7/25/2019 12:06	28.02	71.0	5.15	6.9	SR4	7/25/2019 18:06	28.36	111.1	7.82	6.4
SR4	7/25/2019 0:11	27.76	68.7	5.05	7.8	SR4	7/25/2019 6:11	27.94	71.1	5.22	7.7	SR4	7/25/2019 12:11	28.16	72.4	5.24	6.1	SR4	7/25/2019 18:11	28.37	113.8	8.00	6.1
SR4	7/25/2019 0:16	27.68	69.0	5.07	7.7	SR4	7/25/2019 6:16	28.03	69.7	5.12	8.0	SR4	7/25/2019 12:16	27.98	70.6	5.13	7.2	SR4	7/25/2019 18:16	28.30	112.4	7.91	6.5
SR4	7/25/2019 0:21	27.71	68.9	5.07	7.2	SR4	7/25/2019 6:21	28.10	70.4	5.17	7.9	SR4	7/25/2019 12:21	28.08	74.2	5.38	6.0	SR4	7/25/2019 18:21	28.11	97.4	6.89	5.1
SR4	7/25/2019 0:26	27.62	69.2	5.09	7.7	SR4	7/25/2019 6:26	28.12	70.7	5.18	7.9	SR4	7/25/2019 12:26	28.21	73.9	5.35	5.1	SR4	7/25/2019 18:26	28.51	124.3	8.71	6.1
SR4	7/25/2019 0:31	27.62	69.9	5.13	7.5	SR4	7/25/2019 6:31	28.15	69.9	5.14	7.3	SR4	7/25/2019 12:31	28.07	74.4	5.39	6.0	SR4	7/25/2019 18:31	28.46	122.5	8.59	6.9
SR4	7/25/2019 0:36	27.66	69.4	5.10	7.7	SR4	7/25/2019 6:36	28.12	69.4	5.10	7.6	SR4	7/25/2019 12:36	28.03	72.3	5.25	5.9	SR4	7/25/2019 18:36	28.33	113.4	7.98	7.0
SR4	7/25/2019 0:41	27.51	66.3	4.87	7.7	SR4	7/25/2019 6:41	28.09	70.9	5.20	7.4	SR4	7/25/2019 12:41	28.01	74.6	5.41	6.5	SR4	7/25/2019 18:41	28.35	116.2	8.16	5.9
SR4	7/25/2019 0:46	27.51	66.7	4.90	7.0	SR4	7/25/2019 6:46	28.03	72.0	5.27	7.5	SR4	7/25/2019 12:46	28.00	75.2	5.45	6.4	SR4	7/25/2019 18:46	28.37	115.1	8.09	5.5
SR4	7/25/2019 0:51	27.57	67.6	4.96	7.2	SR4	7/25/2019 6:51	28.01	72.1	5.28	7.9	SR4	7/25/2019 12:51	28.02	74.9	5.44	5.7	SR4	7/25/2019 18:51	28.41	124.3	8.71	6.6
SR4	7/25/2019 0:56	27.55	67.9	4.99	7.3	SR4	7/25/2019 6:56	27.97	71.1	5.21	7.2	SR4	7/25/2019 12:56	27.92	72.2	5.25	6.6	SR4	7/25/2019 18:56	28.39	124.2	8.71	6.4
SR4	7/25/2019 1:01	27.58	68.2	5.01	8.0	SR4	7/25/2019 7:01	28.03	71.0	5.20	8.1	SR4	7/25/2019 13:01	27.87	70.0	5.09	2.2	SR4	7/25/2019 19:01	28.40	122.7	8.60	5.4
SR4	7/25/2019 1:06	27.53	68.0	4.99	6.4	SR4	7/25/2019 7:06	28.00	68.8	5.05	8.3	SR4	7/25/2019 13:06	28.06	80.3	5.81	1.9	SR4	7/25/2019 19:06	28.34	118.4	8.31	6.3
SR4	7/25/2019 1:11	27.56	70.1	5.15	8.0	SR4	7/25/2019 7:11	27.99	68.6	5.03	7.1	SR4	7/25/2019 13:11	28.11	79.6	5.76	2.7	SR4	7/25/2019 19:11	28.36	118.3	8.31	6.1
SR4	7/25/2019 1:16	27.51	67.9	4.99	7.0	SR4	7/25/2019 7:16	28.10	69.6	5.11	7.5	SR4	7/25/2019 13:16	27.90	72.5	5.26	6.8	SR4	7/25/2019 19:16	28.35	118.3	8.32	5.3
SR4	7/25/2019 1:21	27.53	67.3	4.95	7.5	SR4	7/25/2019 7:21	28.19	69.2	5.08	7.7	SR4	7/25/2019 13:21	28.16	76.9	5.55	6.6	SR4	7/25/2019 19:21	28.32	116.4	8.19	5.7
SR4	7/25/2019 1:26	27.42	66.6	4.90	7.4	SR4	7/25/2019 7:26	28.31	70.3	5.16	7.8	SR4	7/25/2019 13:26	28.10	76.2	5.50	6.7	SR4	7/25/2019 19:26	28.30	114.2	8.05	5.9
SR4	7/25/2019 1:31	27.61	68.4	5.03	8.1	SR4	7/25/2019 7:31	28.46	71.6	5.24	7.9	SR4	7/25/2019 13:31	28.02	77.3	5.58	6.5	SR4	7/25/2019 19:31	28.33	116.0	8.17	5.1
SR4	7/25/2019 1:36	27.56	67.5	4.96	7.0	SR4	7/25/2019 7:36	28.22	71.7	5.25	7.7	SR4	7/25/2019 13:36	28.06	82.8	5.98	5.2	SR4	7/25/2019 19:36	28.30	113.9	8.03	6.2
SR4	7/25/2019 1:41	27.61	68.7	5.04	7.7	SR4	7/25/2019 7:41	28.20	72.9	5.33	7.4	SR4	7/25/2019 13:41	28.20	94.4	6.67	5.6	SR4	7/25/2019 19:41	28.25	111.3	7.85	6.0
SR4	7/25/2019 1:46	27.62	69.9	5.13	7.2	SR4	7/25/2019 7:46	28.31	74.0	5.41	8.1	SR4	7/25/2019 13:46	28.18	94.1	6.66	6.4	SR4	7/25/2019 19:46	28.25	110.7	7.80	5.8
SR4	7/25/2019 1:51	27.65	71.1	5.23	7.2	SR4	7/25/2019 7:51	28.21	72.6	5.31	7.3	SR4	7/25/2019 13:51	28.17	98.0	6.92	5.8	SR4	7/25/2019 19:51	28.27	111.3	7.87	5.4
SR4	7/25/2019 1:56	27.67	71.1	5.22	6.4	SR4	7/25/2019 7:56	28.22	69.9	5.11	7.2	SR4	7/25/2019 13:56	28.26	99.0	6.98	6.4	SR4	7/25/2019 19:56	28.28	110.7	7.83	4.5
SR4	7/25/2019 2:01	27.69	69.7	5.11	7.2	SR4	7/25/2019 8:01	28.33	69.9	5.11	8.1	SR4	7/25/2019 14:01	28.01	84.6	6.70	5.7	SR4	7/25/2019 20:01	28.28	109.1	7.71	5.9
SR4	7/25/2019 2:06	27.77	70.2	5.16	7.6	SR4	7/25/2019 8:06	28.24	69.3	5.07	7.4	SR4	7/25/2019 14:06	28.05	87.7	6.91	7.8	SR4	7/25/2019 20:06	28.31	110.7	7.84	6.1
SR4	7/25/2019 2:11	27.82	70.4	5.17	8.0	SR4	7/25/2019 8:11	28.14	67.1	4.91	8.0	SR4	7/25/2019 14:11	28.03	99.2	7.02	7.0	SR4	7/25/2019 20:11	28.33	110.4	7.81	5.8
SR4	7/25/2019 2:16	27.84	72.7	5.33	8.0	SR4	7/25/2019 8:16	28.11	65.5	4.80	9.4	SR4	7/25/2019 14:16	28.14	98.6	6.97	6.8	SR4	7/25/2019 20:16	28.32	109.0	7.72	5.4
SR4	7/25/2019 2:21	27.88	73.2	5.36	8.0	SR4	7/25/2019 8:21	28.27	70.2	5.12	9.8	SR4	7/25/2019 14:21	28.12	99.4	7.03	6.7	SR4	7/25/2019 20:21	28.31	107.3	7.59	6.5
SR4	7/25/2019 2:26	27.84	72.6	5.33	8.0	SR4	7/25/2019 8:26	28.20	68.1	4.98	9.1	SR4	7/25/2019 14:26	28.22	101.3	7.14	6.4	SR4	7/25/2019 20:26	28.32	105.9	7.51	3.8
SR4	7/25/2019 2:31	27.87	73.1	5.36	7.4	SR4	7/25/2019 8:31	28.20	66.6	4.87	6.8	SR4	7/25/2019 14:31	28.16	101.3	7.15	6.7	SR4	7/25/2019 20:31	28.30	104.8	7.43	6.2
SR4	7/25/2019 2:36	27.84	71.7	5.26	7.8	SR4	7/25/2019 8:36	28.22	68.8	5.02	8.1	SR4	7/25/2019 14:36	28.63	109.5	7.66	7.1	SR4	7/25/2019 20:36	28.35	104.8	7.43	3.1
SR4	7/25/2019 2:41	27.87	73.4	5.38	7.2	SR4	7/25/2019 8:41	28.12	69.0	5.03	11.8	SR4	7/25/2019 14:41	28.55	110.9	7.78	6.3	SR4	7/25/2019 20:41	28.41	104.6	7.42	1.2
SR4	7/25/2019 2:46	27.91	73.5	5.39	8.5	SR4	7/25/2019 8:46	28.21	69.2	5.05	7.8	SR4	7/25/2019 14:46	28.56	111.5	7.82	6.7	SR4	7/25/2019 20:46	28.44	104.5	7.41	5.0
SR4	7/25/2019 2:51	27.96	74.8	5.48	8.1	SR4	7/25/2019 8:51	28.05	64.4	4.72	15.5	SR4	7/25/2019 14:51	28.66	111.9	7.84	6.6	SR4	7/25/2019 20:51	28.44	103.0	7.32	5.8
SR4	7/25/2019 2:56	27.99	75.3	5.52	7.9	SR4	7/25/2019 8:56	28.15	67.4	4.92	11.3	SR4	7/25/2019 14:56	28.70	115.0	8.05	6.2	SR4	7/25/2019 20:56	28.41	102.3	7.27	6.0
SR4	7/25/2019 3:01	27.99	76.3	5.59	7.1	SR4	7/25/2019 9:01	28.14	69.0	5.04	9.1	SR4	7/25/2019 15:01	28.54	112.4	7.89	6.6	SR4	7/25/2019 21:01	28.39	101.3	7.21	5.8
SR4	7/25/2019 3:06	28.05	74.1	5.43	7.5	SR4	7/25/2019 9:06	28.14	69.5	5.07	18.5	SR4	7/25/2019 15:06	28.54	114.2	8.01	6.9	SR4	7/25/2019 21:06	28.41	102.4	7.29	6.1
SR4	7/25/2019 3:11	28.06	75.5	5.53	8.1	SR4	7/25/2019 9:11	28.16	70.4	5.13	7.5	SR4	7/25/2019 15:11	28.36	110.1	7.75	6.0	SR4	7/25/2019 21:11	28.39	100.6	7.16	3.7
SR4	7/25/2019 3:16	28.09	74.8	5.48	9.7	SR4	7/25/2019 9:16	28.13	71.1	5.18	15.8	SR4	7/25/2019 15:16	28.54	112.5	7.90	7.4	SR4	7/25/2019 21:16	28.41	100.8	7.18	6.4
SR4	7/25/2019 3:21	28.10	75.3	5.52	6.3	SR4	7/25/2019 9:21	28.17	70.9	5.16	7.0	SR4	7/25/2019 15:21	28.45	112.9	7.94	6.1	SR4	7/25/2019 21:21	28.40	99.3	7.07	6.8
SR4	7/25/2019 3:26	28.07	74.4	5.47	8.1	SR4	7/25/2019 9:26	28.18	72.0	5.25	8.2	SR4	7/25/2019 15:26	28.32	108.6	7.66	7.2	SR4	7/25/2019 21:26	28.39	99.4	7.07	5.5
SR4	7/25/2019 3:31	28.08	75.3	5.53	7.4	SR4	7/25/2019 9:31	28.13	71.1	5.18	7.6	SR4	7/25/2019 15:31	28.54	112.2	7.89	6.4	SR4	7/25/2019 21:31	28.38	98.9	7.04	5.7
SR4	7/25/2019 3:36	28.06	75.3	5.54	7.9	SR4	7/25/2019 9:36	28.23	72.8	5.29	18.0	SR4	7/25/2019 15:36	28.32	109.6	7.73	6.4	SR4	7/25/2019 21:36	28.41	100.1	7.13	5.6
SR4	7/25/2019 3:41	28.03	74.3	5.46	7.4	SR4	7/25/2019 9:41	28.16	71.7	5.22	7.1	SR4	7/25/2019 15:41	28.35	107.2	7.56	6.9	SR4	7/25/2019 21:41	28.42	100.4	7.15	5.5
SR4	7/25/2019 3:46	28.07	74.3	5.47	7.0	SR4	7/25/2019 9:46	28.17	72.4	5.26	8.7	SR4	7/25/2019 15:46	28.25	104.1	7.35	6.5	SR4	7/25/2019 21:46	28.43	100.4	7.15	5.5
SR4	7/25/2019 3:51	28.06	73.9	5.44	8.3	SR4	7/25/2019 9:51	28.11	71.8	5.22	8.8	SR4	7/25/2019 15:51	28.50	112.0	7.87	5.9	SR4	7/25/2019 21:51	28.43	99.3	7.07	5.7
SR4	7/25/2019 3:56																						

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	7/25/2019 0:00	27.23	78.0	5.43	6.0	SR5	7/25/2019 6:00	27.49	83.2	5.81	6.6	SR5	7/25/2019 12:00	28.61	97.0	6.80	6.8	SR5	7/25/2019 18:00	29.93	187.3	13.01	7.9
SR5	7/25/2019 0:05	27.80	88.9	6.19	7.0	SR5	7/25/2019 6:05	27.42	82.6	5.77	6.7	SR5	7/25/2019 12:05	28.65	97.4	6.83	7.5	SR5	7/25/2019 18:05	29.86	184.3	12.81	7.3
SR5	7/25/2019 0:10	26.94	73.3	5.11	7.4	SR5	7/25/2019 6:10	27.49	83.8	5.86	7.9	SR5	7/25/2019 12:10	28.23	97.9	6.88	6.4	SR5	7/25/2019 18:10	29.85	186.3	12.95	6.9
SR5	7/25/2019 0:15	26.97	73.0	5.08	7.9	SR5	7/25/2019 6:15	27.60	86.8	6.07	7.4	SR5	7/25/2019 12:15	28.95	103.7	7.26	7.2	SR5	7/25/2019 18:15	29.90	187.2	13.00	6.7
SR5	7/25/2019 0:20	26.85	72.5	5.04	5.6	SR5	7/25/2019 6:20	27.74	88.1	6.17	7.9	SR5	7/25/2019 12:20	28.82	101.6	7.11	7.9	SR5	7/25/2019 18:20	30.01	189.7	13.17	7.3
SR5	7/25/2019 0:25	27.02	79.1	5.51	6.9	SR5	7/25/2019 6:25	27.68	87.2	6.10	7.0	SR5	7/25/2019 12:25	28.66	101.3	7.10	7.2	SR5	7/25/2019 18:25	29.86	182.9	12.71	6.5
SR5	7/25/2019 0:30	26.85	75.7	5.25	7.2	SR5	7/25/2019 6:30	27.67	86.8	6.08	5.6	SR5	7/25/2019 12:30	28.70	105.4	7.39	7.2	SR5	7/25/2019 18:30	29.91	185.0	12.85	7.5
SR5	7/25/2019 0:35	26.76	76.0	5.28	6.5	SR5	7/25/2019 6:35	27.65	85.3	5.97	8.3	SR5	7/25/2019 12:35	28.65	103.7	7.28	7.1	SR5	7/25/2019 18:35	29.92	182.7	12.69	7.5
SR5	7/25/2019 0:40	26.74	77.4	5.37	6.1	SR5	7/25/2019 6:40	27.61	84.8	5.93	8.0	SR5	7/25/2019 12:40	28.24	102.6	7.21	7.7	SR5	7/25/2019 18:40	29.87	181.8	12.63	7.4
SR5	7/25/2019 0:45	26.80	77.4	5.37	7.4	SR5	7/25/2019 6:45	27.62	85.2	5.96	6.0	SR5	7/25/2019 12:45	28.26	107.0	7.51	8.4	SR5	7/25/2019 18:45	29.86	180.7	12.56	7.2
SR5	7/25/2019 0:50	26.72	77.2	5.35	6.3	SR5	7/25/2019 6:50	27.79	88.4	6.20	8.0	SR5	7/25/2019 12:50	28.63	101.0	7.07	7.3	SR5	7/25/2019 18:50	29.87	180.8	12.56	7.0
SR5	7/25/2019 0:55	26.80	76.2	5.29	7.6	SR5	7/25/2019 6:55	27.80	88.7	6.21	7.5	SR5	7/25/2019 12:55	28.12	101.1	7.10	6.9	SR5	7/25/2019 18:55	29.84	180.3	12.53	7.8
SR5	7/25/2019 1:00	26.72	76.0	5.27	7.4	SR5	7/25/2019 7:00	27.83	88.4	6.19	8.6	SR5	7/25/2019 13:00	28.52	105.2	7.38	4.9	SR5	7/25/2019 19:00	29.83	176.8	12.29	6.4
SR5	7/25/2019 1:05	26.65	75.7	5.25	6.0	SR5	7/25/2019 7:05	28.04	90.0	6.32	8.7	SR5	7/25/2019 13:05	27.90	93.3	6.54	4.7	SR5	7/25/2019 19:05	29.84	175.9	12.23	7.1
SR5	7/25/2019 1:10	26.66	77.2	5.76	7.9	SR5	7/25/2019 7:10	27.99	89.6	6.28	7.4	SR5	7/25/2019 13:10	27.75	91.8	6.42	5.5	SR5	7/25/2019 19:10	29.85	176.2	12.25	7.6
SR5	7/25/2019 1:15	26.63	76.1	5.68	6.7	SR5	7/25/2019 7:15	28.00	90.1	6.33	7.1	SR5	7/25/2019 13:15	28.34	104.4	7.32	7.4	SR5	7/25/2019 19:15	29.82	175.0	12.17	6.9
SR5	7/25/2019 1:20	26.54	74.9	5.59	6.7	SR5	7/25/2019 7:20	28.00	89.4	6.27	7.2	SR5	7/25/2019 13:20	28.42	99.7	6.97	7.2	SR5	7/25/2019 19:20	29.79	173.6	12.07	7.3
SR5	7/25/2019 1:25	26.56	74.4	5.56	7.1	SR5	7/25/2019 7:25	28.06	90.0	6.33	7.9	SR5	7/25/2019 13:25	28.32	103.6	7.26	6.8	SR5	7/25/2019 19:25	29.79	171.8	11.95	7.7
SR5	7/25/2019 1:30	26.50	75.1	5.60	6.2	SR5	7/25/2019 7:30	28.01	90.0	6.32	7.5	SR5	7/25/2019 13:30	28.18	107.4	7.52	6.9	SR5	7/25/2019 19:30	29.80	171.2	11.91	6.0
SR5	7/25/2019 1:35	26.46	74.5	5.56	6.3	SR5	7/25/2019 7:35	27.98	88.8	6.23	7.2	SR5	7/25/2019 13:35	28.14	107.4	7.52	7.5	SR5	7/25/2019 19:35	29.76	170.2	11.84	7.2
SR5	7/25/2019 1:40	26.39	75.4	5.62	7.9	SR5	7/25/2019 7:40	28.04	89.1	6.26	8.0	SR5	7/25/2019 13:40	28.23	106.6	7.47	6.1	SR5	7/25/2019 19:40	29.76	170.1	11.83	7.7
SR5	7/25/2019 1:45	26.35	75.8	5.65	6.2	SR5	7/25/2019 7:45	28.05	89.6	6.30	7.9	SR5	7/25/2019 13:45	27.81	95.8	6.70	7.7	SR5	7/25/2019 19:45	29.78	170.4	11.85	7.0
SR5	7/25/2019 1:50	26.35	77.7	5.80	7.2	SR5	7/25/2019 7:50	28.06	90.0	6.34	7.7	SR5	7/25/2019 13:50	28.03	100.1	7.00	6.2	SR5	7/25/2019 19:50	29.79	169.4	11.78	7.5
SR5	7/25/2019 1:55	26.31	77.3	5.77	5.6	SR5	7/25/2019 7:55	28.12	90.5	6.38	7.4	SR5	7/25/2019 13:55	27.90	100.2	7.00	6.6	SR5	7/25/2019 19:55	29.79	170.6	11.87	8.6
SR5	7/25/2019 2:00	26.30	76.0	5.66	6.9	SR5	7/25/2019 8:00	28.14	89.4	6.30	7.9	SR5	7/25/2019 14:00	27.12	87.2	6.06	6.2	SR5	7/25/2019 20:00	29.81	172.4	11.99	6.2
SR5	7/25/2019 2:05	26.29	77.4	5.78	6.9	SR5	7/25/2019 8:05	28.15	89.5	6.31	7.5	SR5	7/25/2019 14:05	27.08	87.9	6.11	8.0	SR5	7/25/2019 20:05	30.03	186.5	12.96	6.7
SR5	7/25/2019 2:10	26.29	76.3	5.69	6.9	SR5	7/25/2019 8:10	28.15	90.3	6.38	7.3	SR5	7/25/2019 14:10	27.11	89.8	6.27	7.2	SR5	7/25/2019 20:10	29.86	184.5	12.83	7.6
SR5	7/25/2019 2:15	26.29	78.6	5.86	7.6	SR5	7/25/2019 8:15	28.16	89.8	6.33	8.4	SR5	7/25/2019 14:15	27.07	89.3	6.20	7.4	SR5	7/25/2019 20:15	29.99	185.4	12.90	6.2
SR5	7/25/2019 2:20	26.28	78.0	5.80	8.1	SR5	7/25/2019 8:20	28.18	89.8	6.34	9.0	SR5	7/25/2019 14:20	27.04	89.2	6.19	7.3	SR5	7/25/2019 20:20	29.94	182.7	12.72	7.8
SR5	7/25/2019 2:25	26.27	78.4	5.84	8.0	SR5	7/25/2019 8:25	28.18	89.8	6.34	7.9	SR5	7/25/2019 14:25	27.89	102.0	7.11	6.5	SR5	7/25/2019 20:25	29.92	181.0	12.59	5.9
SR5	7/25/2019 2:30	26.27	78.8	5.87	7.5	SR5	7/25/2019 8:30	28.21	89.0	6.29	6.6	SR5	7/25/2019 14:30	27.47	97.0	6.74	6.6	SR5	7/25/2019 20:30	29.89	180.0	12.54	7.3
SR5	7/25/2019 2:35	26.27	77.1	5.74	6.5	SR5	7/25/2019 8:35	28.17	89.6	6.32	7.6	SR5	7/25/2019 14:35	27.00	91.2	6.33	7.5	SR5	7/25/2019 20:35	29.87	179.4	12.50	6.1
SR5	7/25/2019 2:40	26.25	78.4	5.84	6.5	SR5	7/25/2019 8:40	28.16	90.8	6.41	10.4	SR5	7/25/2019 14:40	27.85	101.7	7.08	7.8	SR5	7/25/2019 20:40	29.82	175.1	12.21	4.2
SR5	7/25/2019 2:45	26.24	78.3	5.83	7.6	SR5	7/25/2019 8:45	28.16	90.4	6.38	7.2	SR5	7/25/2019 14:45	27.02	91.3	6.33	7.6	SR5	7/25/2019 20:45	29.87	174.8	12.17	6.2
SR5	7/25/2019 2:50	26.23	79.5	5.92	8.1	SR5	7/25/2019 8:50	28.16	90.2	6.36	12.5	SR5	7/25/2019 14:50	27.08	94.7	6.57	6.7	SR5	7/25/2019 20:50	29.77	170.7	11.93	7.5
SR5	7/25/2019 2:55	26.21	80.1	5.96	7.3	SR5	7/25/2019 8:55	28.17	90.0	6.35	10.1	SR5	7/25/2019 14:55	27.65	101.0	7.02	7.3	SR5	7/25/2019 20:55	29.76	169.3	11.82	6.4
SR5	7/25/2019 3:00	26.22	81.7	6.08	7.0	SR5	7/25/2019 9:00	28.15	90.2	6.36	7.7	SR5	7/25/2019 15:00	27.93	102.6	7.13	7.5	SR5	7/25/2019 21:00	29.69	167.2	11.71	6.8
SR5	7/25/2019 3:05	26.21	79.7	5.94	6.8	SR5	7/25/2019 9:05	28.17	90.7	6.40	12.9	SR5	7/25/2019 15:05	27.54	109.6	7.63	6.8	SR5	7/25/2019 21:05	29.72	167.4	11.71	6.4
SR5	7/25/2019 3:10	26.19	80.9	6.02	8.3	SR5	7/25/2019 9:10	28.17	90.6	6.39	7.2	SR5	7/25/2019 15:10	27.84	116.6	8.09	7.5	SR5	7/25/2019 21:10	29.74	167.8	11.73	5.7
SR5	7/25/2019 3:15	26.19	79.9	5.95	8.1	SR5	7/25/2019 9:15	28.16	90.5	6.38	12.2	SR5	7/25/2019 15:15	27.03	98.8	6.85	8.2	SR5	7/25/2019 21:15	29.80	168.5	11.76	7.2
SR5	7/25/2019 3:20	26.20	80.5	6.00	6.3	SR5	7/25/2019 9:20	28.18	91.0	6.42	8.2	SR5	7/25/2019 15:20	27.30	101.0	7.01	7.8	SR5	7/25/2019 21:20	29.80	167.7	11.70	8.0
SR5	7/25/2019 3:25	26.19	79.7	5.95	6.7	SR5	7/25/2019 9:25	28.24	90.7	6.40	8.0	SR5	7/25/2019 15:25	27.56	115.7	8.03	7.9	SR5	7/25/2019 21:25	29.84	167.3	11.66	6.1
SR5	7/25/2019 3:30	26.20	80.9	6.03	7.2	SR5	7/25/2019 9:30	28.20	91.9	6.48	8.2	SR5	7/25/2019 15:30	28.19	143.4	9.93	7.5	SR5	7/25/2019 21:30	29.85	166.5	11.60	6.2
SR5	7/25/2019 3:35	26.20	79.7	5.95	7.8	SR5	7/25/2019 9:35	28.19	92.6	6.53	13.6	SR5	7/25/2019 15:35	28.40	135.8	9.42	7.7	SR5	7/25/2019 21:35	29.31	150.9	10.56	6.3
SR5	7/25/2019 3:40	26.20	80.3	5.99	7.3	SR5						SR5	7/25/2019 15:40	28.85	162.1	11.18	6.9	SR5	7/25/2019 21:40	29.65	151.7	10.58	6.4
SR5	7/25/2019 3:45	26.20	79.9	5.97	6.2	SR5						SR5	7/25/2019 15:45	28.63	160.5	11.08	7.1	SR5	7/25/2019 21:45	29.83	166.6	11.61	6.3
SR5	7/25/2019 3:50	26.24	78.7	5.87	8.2	SR5						SR5	7/25/2019 15:50	28.91	156.4	10.79	6.0	SR5	7/25/2019 21:50	29.80	166.6	11.61	6.5
SR5	7/25/2019 3:55	26.27	79.7	5.96</																			

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	7/25/2019 0:01	27.19	72.4	5.04	6.0	SR12	7/25/2019 6:01	26.75	65.6	4.57	8.0	SR12	7/25/2019 12:01	27.23	87.0	6.04	5.4	SR12	7/25/2019 18:01	27.80	124.9	8.63	6.6
SR12	7/25/2019 0:06	27.21	74.8	5.21	7.4	SR12	7/25/2019 6:06	26.96	66.6	4.64	7.8	SR12	7/25/2019 12:06	26.99	84.1	5.85	5.9	SR12	7/25/2019 18:06	28.03	131.9	9.10	7.0
SR12	7/25/2019 0:11	27.22	72.0	5.02	7.9	SR12	7/25/2019 6:11	27.00	66.0	4.60	8.0	SR12	7/25/2019 12:11	27.26	86.3	5.99	5.4	SR12	7/25/2019 18:11	28.05	136.4	9.40	6.2
SR12	7/25/2019 0:16	27.02	70.5	4.90	7.3	SR12	7/25/2019 6:16	27.02	67.3	4.70	8.0	SR12	7/25/2019 12:16	26.93	83.4	5.81	6.4	SR12	7/25/2019 18:16	27.94	134.2	9.26	7.6
SR12	7/25/2019 0:21	27.04	68.9	4.80	6.8	SR12	7/25/2019 6:21	26.98	67.7	4.72	8.4	SR12	7/25/2019 12:21	27.14	89.5	6.22	5.2	SR12	7/25/2019 18:21	27.58	112.3	7.77	5.0
SR12	7/25/2019 0:26	26.82	69.1	4.81	6.9	SR12	7/25/2019 6:26	26.89	67.5	4.70	7.6	SR12	7/25/2019 12:26	27.38	88.7	6.14	1.8	SR12	7/25/2019 18:26	28.39	150.4	10.34	5.8
SR12	7/25/2019 0:31	26.79	71.7	4.98	7.6	SR12	7/25/2019 6:31	27.06	67.1	4.69	8.0	SR12	7/25/2019 12:31	27.12	90.0	6.25	5.2	SR12	7/25/2019 18:31	28.30	147.5	10.15	7.1
SR12	7/25/2019 0:36	26.85	71.5	4.97	7.3	SR12	7/25/2019 6:36	27.01	66.5	4.64	8.1	SR12	7/25/2019 12:36	27.06	85.2	5.92	5.0	SR12	7/25/2019 18:36	28.05	135.2	9.32	7.0
SR12	7/25/2019 0:41	26.55	67.6	4.69	7.6	SR12	7/25/2019 6:41	27.07	67.8	4.74	8.2	SR12	7/25/2019 12:41	27.02	90.2	6.27	5.7	SR12	7/25/2019 18:41	28.10	139.5	9.61	5.8
SR12	7/25/2019 0:46	26.57	67.9	4.71	6.3	SR12	7/25/2019 6:46	27.08	67.6	4.72	8.1	SR12	7/25/2019 12:46	26.99	90.7	6.31	5.5	SR12	7/25/2019 18:46	28.15	138.2	9.52	5.7
SR12	7/25/2019 0:51	26.71	69.2	4.80	6.6	SR12	7/25/2019 6:51	27.13	69.6	4.86	8.1	SR12	7/25/2019 12:51	27.03	86.1	5.98	3.0	SR12	7/25/2019 18:51	28.26	151.6	10.43	6.4
SR12	7/25/2019 0:56	26.67	69.6	4.83	7.6	SR12	7/25/2019 6:56	27.12	69.9	4.89	7.8	SR12	7/25/2019 12:56	26.82	81.2	5.64	5.5	SR12	7/25/2019 18:56	28.23	151.3	10.42	6.0
SR12	7/25/2019 1:01	26.72	69.8	4.85	7.6	SR12	7/25/2019 7:01	27.08	70.5	4.93	8.3	SR12	7/25/2019 13:01	26.72	79.4	5.51	1.5	SR12	7/25/2019 19:01	28.25	149.3	10.28	5.4
SR12	7/25/2019 1:06	26.60	67.8	4.70	6.2	SR12	7/25/2019 7:06	27.02	67.8	4.73	8.5	SR12	7/25/2019 13:06	27.10	99.4	6.90	2.5	SR12	7/25/2019 19:06	28.14	143.2	9.87	7.0
SR12	7/25/2019 1:11	26.67	69.4	4.81	8.3	SR12	7/25/2019 7:11	26.82	66.8	4.66	7.3	SR12	7/25/2019 13:11	27.21	98.4	6.83	1.2	SR12	7/25/2019 19:11	28.17	143.2	9.87	5.7
SR12	7/25/2019 1:16	26.59	66.9	4.64	7.2	SR12	7/25/2019 7:16	27.01	69.2	4.83	8.0	SR12	7/25/2019 13:16	26.80	85.6	5.95	6.3	SR12	7/25/2019 19:16	28.15	142.7	9.85	5.1
SR12	7/25/2019 1:21	26.62	65.0	4.51	6.6	SR12	7/25/2019 7:21	27.00	69.1	4.82	8.1	SR12	7/25/2019 13:21	27.33	95.5	6.61	6.4	SR12	7/25/2019 19:21	28.09	139.6	9.64	5.2
SR12	7/25/2019 1:26	26.40	61.9	4.29	6.6	SR12	7/25/2019 7:26	27.06	71.2	4.97	8.6	SR12	7/25/2019 13:26	27.21	94.2	6.52	5.1	SR12	7/25/2019 19:26	28.06	136.4	9.43	5.2
SR12	7/25/2019 1:31	26.78	65.9	4.58	8.0	SR12	7/25/2019 7:31	27.25	74.2	5.17	8.6	SR12	7/25/2019 13:31	27.07	94.2	6.53	4.9	SR12	7/25/2019 19:31	28.12	138.6	9.58	4.9
SR12	7/25/2019 1:36	26.67	64.8	4.50	7.3	SR12	7/25/2019 7:36	27.08	73.5	5.13	8.4	SR12	7/25/2019 13:36	27.17	103.4	7.17	2.7	SR12	7/25/2019 19:36	28.05	135.6	9.38	5.7
SR12	7/25/2019 1:41	26.76	66.8	4.64	7.5	SR12	7/25/2019 7:41	27.11	74.0	5.16	7.8	SR12	7/25/2019 13:41	27.45	107.4	7.42	3.9	SR12	7/25/2019 19:41	27.96	131.8	9.11	6.0
SR12	7/25/2019 1:46	26.76	68.2	4.74	7.8	SR12	7/25/2019 7:46	27.19	75.3	5.25	8.3	SR12	7/25/2019 13:46	27.43	107.0	7.40	5.5	SR12	7/25/2019 19:46	27.97	131.2	9.07	5.4
SR12	7/25/2019 1:51	26.80	67.9	4.72	6.5	SR12	7/25/2019 7:51	26.98	72.2	5.04	7.9	SR12	7/25/2019 13:51	27.42	112.1	7.74	5.0	SR12	7/25/2019 19:51	28.04	131.8	9.13	5.0
SR12	7/25/2019 1:56	26.78	67.9	4.72	5.9	SR12	7/25/2019 7:56	26.93	70.3	4.90	7.9	SR12	7/25/2019 13:56	27.62	113.5	7.83	5.1	SR12	7/25/2019 19:56	28.07	131.4	9.11	2.2
SR12	7/25/2019 2:01	26.81	68.4	4.61	7.0	SR12	7/25/2019 8:01	27.01	72.7	5.07	8.0	SR12	7/25/2019 14:01	27.14	107.4	7.44	4.8	SR12	7/25/2019 20:01	28.05	129.5	8.97	5.0
SR12	7/25/2019 2:06	26.94	67.8	4.72	7.8	SR12	7/25/2019 8:06	26.95	73.3	5.11	7.6	SR12	7/25/2019 14:06	27.24	111.7	7.73	7.2	SR12	7/25/2019 20:06	28.11	131.8	9.14	8.1
SR12	7/25/2019 2:11	27.02	68.5	4.77	7.6	SR12	7/25/2019 8:11	26.75	68.6	4.78	9.3	SR12	7/25/2019 14:11	27.21	113.7	7.88	5.7	SR12	7/25/2019 20:11	28.13	131.1	9.09	6.3
SR12	7/25/2019 2:16	27.05	72.3	5.04	8.3	SR12	7/25/2019 8:16	26.73	65.7	4.58	12.2	SR12	7/25/2019 14:16	27.42	112.4	7.77	6.1	SR12	7/25/2019 20:16	28.11	129.2	8.96	5.0
SR12	7/25/2019 2:21	27.08	72.8	5.07	8.3	SR12	7/25/2019 8:21	26.96	75.0	5.23	12.4	SR12	7/25/2019 14:21	27.39	113.6	7.85	6.4	SR12	7/25/2019 20:21	28.07	127.1	8.81	6.3
SR12	7/25/2019 2:26	26.98	70.8	4.93	8.0	SR12	7/25/2019 8:26	26.82	71.6	4.99	9.7	SR12	7/25/2019 14:26	27.58	116.6	8.04	6.1	SR12	7/25/2019 20:26	28.08	125.1	8.69	2.9
SR12	7/25/2019 2:31	27.05	72.1	5.02	8.1	SR12	7/25/2019 8:31	26.71	67.6	4.71	5.6	SR12	7/25/2019 14:31	27.46	116.8	8.07	6.3	SR12	7/25/2019 20:31	28.07	123.6	8.58	5.5
SR12	7/25/2019 2:36	26.99	69.7	4.85	7.7	SR12	7/25/2019 8:36	26.87	71.4	4.98	8.6	SR12	7/25/2019 14:36	28.40	128.2	8.78	6.1	SR12	7/25/2019 20:36	28.11	123.9	8.61	1.1
SR12	7/25/2019 2:41	27.05	72.8	5.08	6.8	SR12	7/25/2019 8:41	26.82	72.6	5.06	17.4	SR12	7/25/2019 14:41	28.24	130.3	8.95	5.8	SR12	7/25/2019 20:41	28.14	123.6	8.59	2.0
SR12	7/25/2019 2:46	27.09	71.4	4.98	9.8	SR12	7/25/2019 8:46	26.87	73.5	5.12	8.3	SR12	7/25/2019 14:46	28.27	130.7	8.97	5.9	SR12	7/25/2019 20:46	28.15	123.2	8.56	3.2
SR12	7/25/2019 2:51	27.14	73.4	5.12	8.5	SR12	7/25/2019 8:51	26.45	64.0	4.46	16.4	SR12	7/25/2019 14:51	28.46	131.4	9.01	5.9	SR12	7/25/2019 20:51	28.14	121.4	8.45	5.0
SR12	7/25/2019 2:56	27.15	71.2	4.97	8.2	SR12	7/25/2019 8:56	26.67	70.0	4.88	16.3	SR12	7/25/2019 14:56	28.54	135.5	9.29	5.9	SR12	7/25/2019 20:56	28.12	120.0	8.35	6.0
SR12	7/25/2019 3:01	27.11	74.5	5.20	6.8	SR12	7/25/2019 9:01	26.82	73.9	5.15	9.9	SR12	7/25/2019 15:01	28.22	132.0	9.07	6.0	SR12	7/25/2019 21:01	28.13	118.7	8.27	5.0
SR12	7/25/2019 3:06	27.22	72.4	5.06	7.2	SR12	7/25/2019 9:06	26.85	75.3	5.24	19.3	SR12	7/25/2019 15:06	28.21	134.2	9.22	6.7	SR12	7/25/2019 21:06	28.18	118.9	8.29	5.4
SR12	7/25/2019 3:11	27.24	75.2	5.26	8.6	SR12	7/25/2019 9:11	26.90	77.0	5.36	8.4	SR12	7/25/2019 15:11	27.85	124.4	8.85	5.4	SR12	7/25/2019 21:11	28.16	117.4	8.19	3.9
SR12	7/25/2019 3:16	27.20	73.9	5.16	18.0	SR12	7/25/2019 9:16	26.93	77.8	5.42	9.8	SR12	7/25/2019 15:16	28.20	131.8	9.06	7.0	SR12	7/25/2019 21:16	28.20	117.6	8.21	6.1
SR12	7/25/2019 3:21	27.22	74.5	5.21	6.0	SR12	7/25/2019 9:21	26.99	77.7	5.41	7.3	SR12	7/25/2019 15:21	28.02	132.5	9.13	5.5	SR12	7/25/2019 21:21	28.18	115.9	8.09	6.6
SR12	7/25/2019 3:26	27.17	72.3	5.05	8.5	SR12	7/25/2019 9:26	27.06	79.7	5.55	8.1	SR12	7/25/2019 15:26	27.75	126.4	8.73	7.0	SR12	7/25/2019 21:26	28.18	116.5	8.13	5.0
SR12	7/25/2019 3:31	27.19	74.1	5.18	8.3	SR12	7/25/2019 9:31	26.99	78.4	5.46	8.6	SR12	7/25/2019 15:31	28.20	131.7	9.07	5.9	SR12	7/25/2019 21:31	28.18	115.7	8.07	5.7
SR12	7/25/2019 3:36	27.19	73.8	5.16	7.3	SR12	7/25/2019 9:36	27.15	82.3	5.73	16.8	SR12	7/25/2019 15:36	27.76	127.5	8.81	6.3	SR12	7/25/2019 21:36	28.25	117.8	8.23	5.9
SR12	7/25/2019 3:41	27.12	72.2	5.04	7.6	SR12	7/25/2019 9:41	26.99	80.2	5.59	6.6	SR12	7/25/2019 15:41	27.82	124.5	8.60	7.2	SR12	7/25/2019 21:41	28.27	118.1	8.25	4.8
SR12	7/25/2019 3:46	27.18	71.9	5.03	7.4	SR12	7/25/2019 9:46	27.06	81.6	5.68	14.8	SR12	7/25/2019 15:46	27.61	120.1	8.30	7.3	SR12	7/25/2019 21:46	28.29	117.7	8.23	5.5
SR12	7/25/2019 3:51	27.17	7																				

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	7/25/2019 0:00	27.25	70.5	5.03	6.7	SR13	7/25/2019 6:00	27.43	71.9	5.15	7.3	SR13	7/25/2019 12:00	28.08	89.6	6.41	6.8	SR13	7/25/2019 18:00	29.09	136.8	9.64	8.2
SR13	7/25/2019 0:05	27.36	73.0	5.21	6.9	SR13	7/25/2019 6:05	27.43	72.5	5.19	7.6	SR13	7/25/2019 12:05	28.05	89.4	6.40	6.4	SR13	7/25/2019 18:05	29.05	134.6	9.49	6.3
SR13	7/25/2019 0:10	27.22	69.2	4.95	7.5	SR13	7/25/2019 6:10	27.52	74.1	5.29	8.0	SR13	7/25/2019 12:10	27.86	89.8	6.44	6.1	SR13	7/25/2019 18:10	29.03	136.1	9.60	6.3
SR13	7/25/2019 0:15	27.19	68.6	4.91	7.2	SR13	7/25/2019 6:15	27.48	75.0	5.37	7.7	SR13	7/25/2019 12:15	28.17	95.5	6.83	5.3	SR13	7/25/2019 18:15	29.01	135.0	9.51	6.2
SR13	7/25/2019 0:20	27.18	69.4	4.97	6.2	SR13	7/25/2019 6:20	27.54	75.6	5.41	7.8	SR13	7/25/2019 12:20	28.24	96.2	6.86	6.3	SR13	7/25/2019 18:20	29.00	134.5	9.47	6.8
SR13	7/25/2019 0:25	27.24	72.3	5.16	7.1	SR13	7/25/2019 6:25	27.55	75.9	5.43	7.4	SR13	7/25/2019 12:25	28.19	96.0	6.85	6.6	SR13	7/25/2019 18:25	28.94	131.9	9.31	6.2
SR13	7/25/2019 0:30	27.20	71.1	5.08	6.8	SR13	7/25/2019 6:30	27.46	74.4	5.33	6.7	SR13	7/25/2019 12:30	28.22	99.4	7.09	6.2	SR13	7/25/2019 18:30	28.97	133.0	9.38	6.4
SR13	7/25/2019 0:35	27.16	71.0	5.07	6.3	SR13	7/25/2019 6:35	27.43	73.1	5.23	7.8	SR13	7/25/2019 12:35	28.30	99.6	7.11	6.4	SR13	7/25/2019 18:35	28.97	132.0	9.31	5.2
SR13	7/25/2019 0:40	27.17	70.9	5.06	6.6	SR13	7/25/2019 6:40	27.45	73.9	5.29	7.6	SR13	7/25/2019 12:40	27.96	96.9	6.93	6.5	SR13	7/25/2019 18:40	28.94	130.9	9.24	6.3
SR13	7/25/2019 0:45	27.24	71.4	5.10	7.5	SR13	7/25/2019 6:45	27.42	74.4	5.32	6.8	SR13	7/25/2019 12:45	28.00	100.2	7.15	7.8	SR13	7/25/2019 18:45	28.97	131.4	9.28	6.6
SR13	7/25/2019 0:50	27.24	71.6	5.11	7.2	SR13	7/25/2019 6:50	27.40	73.6	5.27	8.4	SR13	7/25/2019 12:50	28.11	99.1	7.08	6.6	SR13	7/25/2019 18:50	28.99	131.0	9.25	6.6
SR13	7/25/2019 0:55	27.28	72.8	5.20	7.8	SR13	7/25/2019 6:55	27.40	72.8	5.21	9.2	SR13	7/25/2019 12:55	28.03	98.6	7.04	6.6	SR13	7/25/2019 18:55	28.95	129.9	9.18	6.5
SR13	7/25/2019 1:00	27.26	72.9	5.21	7.8	SR13	7/25/2019 7:00	27.50	76.5	5.48	11.4	SR13	7/25/2019 13:00	28.16	100.4	7.17	6.0	SR13	7/25/2019 19:00	28.89	128.0	9.04	6.5
SR13	7/25/2019 1:05	27.19	72.2	5.15	7.1	SR13	7/25/2019 7:05	27.52	75.5	5.41	8.7	SR13	7/25/2019 13:05	28.01	97.7	6.97	6.1	SR13	7/25/2019 19:05	28.90	126.9	8.97	5.2
SR13	7/25/2019 1:10	27.22	73.2	5.37	7.8	SR13	7/25/2019 7:10	27.47	73.7	5.27	6.5	SR13	7/25/2019 13:10	27.92	97.5	6.96	6.3	SR13	7/25/2019 19:10	28.91	126.3	8.92	6.7
SR13	7/25/2019 1:15	27.18	71.9	5.27	7.2	SR13	7/25/2019 7:15	27.54	75.5	5.41	7.9	SR13	7/25/2019 13:15	28.51	106.4	7.55	6.9	SR13	7/25/2019 19:15	28.93	126.0	8.91	4.5
SR13	7/25/2019 1:20	27.17	72.7	5.33	6.7	SR13	7/25/2019 7:20	27.52	75.7	5.42	9.9	SR13	7/25/2019 13:20	28.48	105.5	7.49	6.7	SR13	7/25/2019 19:20	28.92	125.2	8.85	5.0
SR13	7/25/2019 1:25	27.19	72.1	5.30	8.1	SR13	7/25/2019 7:25	27.56	76.2	5.46	7.7	SR13	7/25/2019 13:25	28.46	106.5	7.55	6.5	SR13	7/25/2019 19:25	28.91	124.4	8.80	5.8
SR13	7/25/2019 1:30	27.19	73.2	5.37	7.3	SR13	7/25/2019 7:30	27.38	72.4	5.19	10.0	SR13	7/25/2019 13:30	28.49	108.4	7.68	6.6	SR13	7/25/2019 19:30	28.89	123.4	8.73	5.7
SR13	7/25/2019 1:35	27.18	72.2	5.30	7.2	SR13	7/25/2019 7:35	27.46	74.3	5.33	11.0	SR13	7/25/2019 13:35	28.59	109.9	7.79	6.8	SR13	7/25/2019 19:35	28.87	122.4	8.66	6.7
SR13	7/25/2019 1:40	27.13	73.8	5.41	7.3	SR13	7/25/2019 7:40	27.55	76.0	5.45	8.5	SR13	7/25/2019 13:40	28.47	108.3	7.69	6.3	SR13	7/25/2019 19:40	28.87	121.7	8.62	6.4
SR13	7/25/2019 1:45	27.15	73.2	5.38	6.8	SR13	7/25/2019 7:45	27.57	76.9	5.50	9.1	SR13	7/25/2019 13:45	28.31	104.9	7.44	7.1	SR13	7/25/2019 19:45	28.92	121.9	8.62	6.4
SR13	7/25/2019 1:50	27.15	74.9	5.50	7.7	SR13	7/25/2019 7:50	27.59	77.7	5.57	7.9	SR13	7/25/2019 13:50	28.25	104.0	7.39	6.1	SR13	7/25/2019 19:50	28.92	120.8	8.55	5.7
SR13	7/25/2019 1:55	27.11	74.2	5.45	10.5	SR13	7/25/2019 7:55	27.63	78.2	5.61	8.2	SR13	7/25/2019 13:55	28.32	105.5	7.49	6.9	SR13	7/25/2019 19:55	28.93	121.2	8.59	6.5
SR13	7/25/2019 2:00	27.11	74.1	5.44	6.5	SR13	7/25/2019 8:00	27.66	77.8	5.58	7.6	SR13	7/25/2019 14:00	27.96	100.9	7.16	6.2	SR13	7/25/2019 20:00	28.93	121.3	8.60	6.3
SR13	7/25/2019 2:05	27.08	73.8	5.43	7.6	SR13	7/25/2019 8:05	27.69	78.6	5.63	7.8	SR13	7/25/2019 14:05	27.84	98.3	6.99	7.5	SR13	7/25/2019 20:05	29.00	126.2	8.93	6.1
SR13	7/25/2019 2:10	27.09	74.2	5.45	7.5	SR13	7/25/2019 8:10	27.67	78.1	5.60	7.8	SR13	7/25/2019 14:10	28.04	101.4	7.20	6.6	SR13	7/25/2019 20:10	28.97	125.0	8.85	6.7
SR13	7/25/2019 2:15	27.09	74.8	5.50	7.5	SR13	7/25/2019 8:15	27.74	79.6	5.70	21.4	SR13	7/25/2019 14:15	27.86	99.7	7.08	6.9	SR13	7/25/2019 20:15	29.01	126.0	8.92	6.2
SR13	7/25/2019 2:20	27.04	74.1	5.43	7.6	SR13	7/25/2019 8:20	27.68	78.8	5.65	7.7	SR13	7/25/2019 14:20	27.88	98.6	7.00	7.1	SR13	7/25/2019 20:20	28.99	125.3	8.88	6.3
SR13	7/25/2019 2:25	27.07	74.2	5.45	7.6	SR13	7/25/2019 8:25	27.71	79.3	5.69	21.5	SR13	7/25/2019 14:25	28.08	101.3	7.20	6.9	SR13	7/25/2019 20:25	28.99	124.5	8.82	6.1
SR13	7/25/2019 2:30	27.07	72.8	5.35	7.9	SR13	7/25/2019 8:30	27.70	78.9	5.65	7.8	SR13	7/25/2019 14:30	28.16	103.9	7.35	6.2	SR13	7/25/2019 20:30	28.97	123.7	8.77	6.2
SR13	7/25/2019 2:35	27.09	72.3	5.31	7.2	SR13	7/25/2019 8:35	27.69	79.1	5.67	18.8	SR13	7/25/2019 14:35	28.05	102.7	7.27	6.8	SR13	7/25/2019 20:35	28.97	123.6	8.76	5.8
SR13	7/25/2019 2:40	27.08	71.8	5.28	7.0	SR13	7/25/2019 8:40	27.68	79.5	5.70	11.9	SR13	7/25/2019 14:40	28.24	102.8	7.30	7.0	SR13	7/25/2019 20:40	28.96	122.0	8.66	5.1
SR13	7/25/2019 2:45	27.02	71.4	5.25	7.7	SR13	7/25/2019 8:45	27.65	78.0	5.59	7.4	SR13	7/25/2019 14:45	27.87	99.0	7.03	6.7	SR13	7/25/2019 20:45	28.98	121.8	8.64	5.6
SR13	7/25/2019 2:50	27.03	71.5	5.26	7.7	SR13	7/25/2019 8:50	27.69	79.6	5.70	13.2	SR13	7/25/2019 14:50	27.89	99.0	7.04	7.0	SR13	7/25/2019 20:50	28.93	119.9	8.52	6.4
SR13	7/25/2019 2:55	27.05	71.9	5.28	7.3	SR13	7/25/2019 8:55	27.78	81.4	5.83	14.5	SR13	7/25/2019 14:55	27.94	100.0	7.12	7.0	SR13	7/25/2019 20:55	28.93	119.9	8.52	6.7
SR13	7/25/2019 3:00	26.99	73.0	5.36	7.4	SR13	7/25/2019 9:00	27.77	81.3	5.81	9.1	SR13	7/25/2019 15:00	28.12	102.0	7.25	6.8	SR13	7/25/2019 21:00	28.90	118.9	8.46	6.1
SR13	7/25/2019 3:05	27.04	71.8	5.28	7.0	SR13	7/25/2019 9:05	27.76	81.0	5.80	8.6	SR13	7/25/2019 15:05	27.85	100.7	7.17	6.5	SR13	7/25/2019 21:05	28.92	118.9	8.46	5.7
SR13	7/25/2019 3:10	27.01	72.0	5.29	7.5	SR13	7/25/2019 9:10	27.74	80.7	5.78	8.2	SR13	7/25/2019 15:10	28.02	106.1	7.53	7.1	SR13	7/25/2019 21:10	28.94	119.5	8.50	5.9
SR13	7/25/2019 3:15	27.01	71.7	5.27	7.6	SR13	7/25/2019 9:15	27.75	80.5	5.77	9.1	SR13	7/25/2019 15:15	27.84	101.4	7.20	6.9	SR13	7/25/2019 21:15	28.97	119.3	8.48	6.3
SR13	7/25/2019 3:20	27.02	71.4	5.25	7.1	SR13	7/25/2019 9:20	27.75	80.6	5.77	8.8	SR13	7/25/2019 15:20	28.01	105.0	7.44	6.6	SR13	7/25/2019 21:20	28.97	119.2	8.47	6.4
SR13	7/25/2019 3:25	26.99	70.9	5.21	7.4	SR13	7/25/2019 9:25	27.79	81.2	5.82	7.7	SR13	7/25/2019 15:25	28.11	112.2	7.93	6.9	SR13	7/25/2019 21:25	28.98	118.5	8.42	6.1
SR13	7/25/2019 3:30	26.97	71.9	5.29	7.4	SR13	7/25/2019 9:30	27.77	82.0	5.88	8.4	SR13	7/25/2019 15:30	28.24	117.3	8.30	7.0	SR13	7/25/2019 21:30	28.98	118.2	8.39	5.9
SR13	7/25/2019 3:35	27.00	71.3	5.24	7.6	SR13	7/25/2019 9:35	27.86	83.5	5.98	21.3	SR13	7/25/2019 15:35	28.39	112.8	7.99	6.9	SR13	7/25/2019 21:35	28.79	112.9	8.04	6.1
SR13	7/25/2019 3:40	27.00	71.6	5.26	7.1	SR13	7/25/2019 9:40	27.87	83.9	6.00	8.7	SR13	7/25/2019 15:40	28.57	124.1	8.74	6.7	SR13	7/25/2019 21:40	28.91	112.9	8.03	6.6
SR13	7/25/2019 3:45	27.04	72.1	5.30	6.7	SR13	7/25/2019 9:45	27.93	84.2	6.02	8.4	SR13	7/25/2019 15:45	28.49	120.9	8.53	6.7	SR13	7/25/2019 21:45	28.97	112.2	8.40	5.8
SR13	7/25/2019 3:50	27.02	71.4	5.25	7.4	SR13	7/25/																

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	7/25/2019 0:17	0.16				SR12	7/25/2019 0:17	0.15			
SR4	7/25/2019 0:37	0.18				SR12	7/25/2019 0:37	0.16			
SR4	7/25/2019 0:57	0.17				SR12	7/25/2019 0:57	0.16			
SR4	7/25/2019 1:17	0.15				SR12	7/25/2019 1:17	0.17			
SR4	7/25/2019 1:37	0.15				SR12	7/25/2019 1:37	0.16			
SR4	7/25/2019 1:57	0.16				SR12	7/25/2019 1:57	0.18			
SR4	7/25/2019 2:17	0.18				SR12	7/25/2019 2:17	0.17			
SR4	7/25/2019 2:37	0.18				SR12	7/25/2019 2:37	0.17			
SR4	7/25/2019 2:57	0.16				SR12	7/25/2019 2:57	0.18			
SR4	7/25/2019 3:17	0.17				SR12	7/25/2019 3:17	0.15			
SR4	7/25/2019 3:37	0.15				SR12	7/25/2019 3:37	0.17			
SR4	7/25/2019 3:57	0.15				SR12	7/25/2019 3:57	0.18			
SR4	7/25/2019 4:17	0.16				SR12	7/25/2019 4:17	0.16			
SR4	7/25/2019 4:37	0.15				SR12	7/25/2019 4:37	0.17			
SR4	7/25/2019 4:57	0.14				SR12	7/25/2019 4:57	0.15			
SR4	7/25/2019 5:17	0.16				SR12	7/25/2019 5:17	0.15			
SR4	7/25/2019 5:37	0.14				SR12	7/25/2019 5:37	0.16			
SR4	7/25/2019 5:57	0.16				SR12	7/25/2019 5:57	0.14			
SR4						SR12					
SR4	7/25/2019 6:37	0.15				SR12	7/25/2019 6:37	0.14			
SR4	7/25/2019 6:57	0.14				SR12	7/25/2019 6:57	0.15			
SR4	7/25/2019 7:17	0.16				SR12	7/25/2019 7:17	0.16			
SR4	7/25/2019 7:37	0.15				SR12	7/25/2019 7:37	0.18			
SR4	7/25/2019 7:57	0.14				SR12	7/25/2019 7:57	0.15			
SR4	7/25/2019 8:17	0.14				SR12	7/25/2019 8:17	0.16			
SR4	7/25/2019 8:37	0.17				SR12	7/25/2019 8:37	0.16			
SR4	7/25/2019 8:57	0.14				SR12	7/25/2019 8:57	0.16			
SR4	7/25/2019 9:17	0.14				SR12	7/25/2019 9:17	0.16			
SR4	7/25/2019 9:37	0.16				SR12	7/25/2019 9:37	0.15			
SR4	7/25/2019 9:57	0.16				SR12	7/25/2019 9:57	0.14			
SR4	7/25/2019 10:17	0.16				SR12	7/25/2019 10:17	0.15			
SR4	7/25/2019 10:37	0.17				SR12	7/25/2019 10:37	0.17			
SR4	7/25/2019 10:57	0.16				SR12	7/25/2019 10:57	0.16			
SR4	7/25/2019 11:17	0.17				SR12	7/25/2019 11:17	0.15			
SR4	7/25/2019 11:37	0.15				SR12	7/25/2019 11:37	0.15			
SR4	7/25/2019 11:57	0.15				SR12	7/25/2019 11:57	0.16			
SR4	7/25/2019 12:17	0.14				SR12	7/25/2019 12:17	0.17			
SR4	7/25/2019 12:37	0.14				SR12	7/25/2019 12:37	0.14			
SR4	7/25/2019 12:57	0.17				SR12	7/25/2019 12:57	0.15			
SR4	7/25/2019 13:17	0.15				SR12	7/25/2019 13:17	0.16			
SR4	7/25/2019 13:37	0.16				SR12	7/25/2019 13:37	0.15			
SR4	7/25/2019 13:57	0.16				SR12	7/25/2019 13:57	0.17			
SR4	7/25/2019 14:17	0.17				SR12	7/25/2019 14:17	0.17			
SR4	7/25/2019 14:37	0.14				SR12	7/25/2019 14:37	0.15			
SR4	7/25/2019 14:57	0.17				SR12	7/25/2019 14:57	0.15			
SR4	7/25/2019 15:17	0.17				SR12	7/25/2019 15:17	0.16			
SR4	7/25/2019 15:37	0.14				SR12	7/25/2019 15:37	0.16			
SR4	7/25/2019 15:57	0.15				SR12	7/25/2019 15:57	0.16			
SR4	7/25/2019 16:17	0.15				SR12	7/25/2019 16:17	0.17			
SR4	7/25/2019 16:37	0.14				SR12	7/25/2019 16:37	0.15			
SR4	7/25/2019 16:57	0.15				SR12	7/25/2019 16:57	0.15			
SR4	7/25/2019 17:17	0.16				SR12	7/25/2019 17:17	0.15			
SR4	7/25/2019 17:37	0.14				SR12	7/25/2019 17:37	0.17			
SR4	7/25/2019 17:57	0.16				SR12	7/25/2019 17:57	0.15			
SR4	7/25/2019 18:17	0.16				SR12	7/25/2019 18:17	0.15			
SR4	7/25/2019 18:37	0.14				SR12	7/25/2019 18:37	0.15			
SR4	7/25/2019 18:57	0.16				SR12	7/25/2019 18:57	0.16			
SR4	7/25/2019 19:17	0.15				SR12	7/25/2019 19:17	0.15			
SR4	7/25/2019 19:37	0.14				SR12	7/25/2019 19:37	0.16			
SR4	7/25/2019 19:57	0.17				SR12	7/25/2019 19:57	0.16			
SR4	7/25/2019 20:17	0.15				SR12	7/25/2019 20:17	0.16			
SR4	7/25/2019 20:37	0.17				SR12	7/25/2019 20:37	0.17			
SR4	7/25/2019 20:57	0.16				SR12	7/25/2019 20:57	0.15			
SR4	7/25/2019 21:17	0.14				SR12	7/25/2019 21:17	0.15			
SR4	7/25/2019 21:37	0.14				SR12	7/25/2019 21:37	0.15			
SR4	7/25/2019 21:57	0.16				SR12	7/25/2019 21:57	0.17			
SR4	7/25/2019 22:17	0.14				SR12	7/25/2019 22:17	0.15			
SR4	7/25/2019 22:37	0.15				SR12	7/25/2019 22:37	0.17			
SR4	7/25/2019 22:57	0.15				SR12	7/25/2019 22:57	0.16			
SR4	7/25/2019 23:17	0.14				SR12	7/25/2019 23:17	0.17			
SR4	7/25/2019 23:37	0.17				SR12	7/25/2019 23:37	0.15			
SR4	7/25/2019 23:57	0.17				SR12	7/25/2019 23:57	0.15			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR5 monitoring station was under maintenance during 9:35-10:00.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	7/26/2019 0:01	28.53	95.1	6.78	6.1	SR4	7/26/2019 6:01	28.87	83.0	5.93	6.0	SR4	7/26/2019 12:01	29.09	103.2	7.33	5.8	SR4	7/26/2019 18:01	29.36	123.7	8.73	7.6
SR4	7/26/2019 0:06	28.55	95.7	6.83	5.5	SR4	7/26/2019 6:06	28.79	82.2	5.66	5.9	SR4	7/26/2019 12:06	29.07	103.3	7.33	6.7	SR4	7/26/2019 18:06	29.38	128.2	9.06	7.4
SR4	7/26/2019 0:11	28.49	94.1	6.70	6.4	SR4	7/26/2019 6:11	28.85	85.0	6.05	6.6	SR4	7/26/2019 12:11	29.12	105.2	7.46	6.3	SR4	7/26/2019 18:11	29.38	99.6	7.08	7.4
SR4	7/26/2019 0:16	28.54	94.6	6.75	6.3	SR4	7/26/2019 6:16	28.74	83.2	5.94	6.0	SR4	7/26/2019 12:16	29.18	105.3	7.46	6.6	SR4	7/26/2019 18:16	29.17	108.3	7.69	6.9
SR4	7/26/2019 0:21	28.48	93.4	6.66	6.4	SR4	7/26/2019 6:21	28.65	84.6	6.04	5.9	SR4	7/26/2019 12:21	29.21	105.2	7.45	6.1	SR4	7/26/2019 18:21	29.05	105.0	7.46	7.7
SR4	7/26/2019 0:26	28.50	92.1	6.58	5.8	SR4	7/26/2019 6:26	28.58	86.1	6.14	6.0	SR4	7/26/2019 12:26	29.20	103.7	7.34	6.4	SR4	7/26/2019 18:26	29.32	128.2	9.06	7.0
SR4	7/26/2019 0:31	28.47	90.7	6.47	6.1	SR4	7/26/2019 6:31	28.64	86.2	6.16	5.9	SR4	7/26/2019 12:31	29.21	104.1	7.37	6.1	SR4	7/26/2019 18:31	29.26	122.4	8.66	7.1
SR4	7/26/2019 0:36	28.43	88.7	6.33	5.8	SR4	7/26/2019 6:36	28.63	85.8	6.13	6.2	SR4	7/26/2019 12:36	29.20	103.3	7.31	5.9	SR4	7/26/2019 18:36	29.10	115.3	8.17	7.5
SR4	7/26/2019 0:41	28.49	90.8	6.48	6.6	SR4	7/26/2019 6:41	28.69	86.1	6.14	7.1	SR4	7/26/2019 12:41	29.14	102.5	7.27	5.8	SR4	7/26/2019 18:41	29.00	106.0	7.52	6.5
SR4	7/26/2019 0:46	28.53	91.0	6.48	6.9	SR4	7/26/2019 6:46	28.58	81.0	5.79	7.1	SR4	7/26/2019 12:46	29.22	108.2	7.66	6.4	SR4	7/26/2019 18:46	29.17	117.5	8.32	7.2
SR4	7/26/2019 0:51	28.55	92.6	6.60	6.5	SR4	7/26/2019 6:51	28.65	82.2	5.86	5.8	SR4	7/26/2019 12:51	29.22	106.7	7.55	5.9	SR4	7/26/2019 18:51	29.26	118.0	8.34	6.7
SR4	7/26/2019 0:56	28.52	89.9	6.41	6.2	SR4	7/26/2019 6:56	28.71	80.9	5.77	5.4	SR4	7/26/2019 12:56	29.23	106.0	7.49	6.9	SR4	7/26/2019 18:56	29.29	123.0	8.69	6.9
SR4	7/26/2019 1:01	28.32	86.5	6.17	6.3	SR4	7/26/2019 7:01	28.61	80.8	5.76	6.1	SR4	7/26/2019 13:01	29.20	104.3	7.38	7.0	SR4	7/26/2019 19:01	29.21	113.5	8.03	6.8
SR4	7/26/2019 1:06	28.50	88.5	6.32	5.2	SR4	7/26/2019 7:06	28.64	84.3	6.00	6.5	SR4	7/26/2019 13:06	29.32	108.1	7.64	7.0	SR4	7/26/2019 19:06	29.32	122.2	8.62	7.9
SR4	7/26/2019 1:11	28.51	89.0	6.35	6.7	SR4	7/26/2019 7:11	28.59	78.4	5.60	6.2	SR4	7/26/2019 13:11	29.22	105.2	7.44	7.4	SR4	7/26/2019 19:11	29.30	112.3	7.93	6.5
SR4	7/26/2019 1:16	28.60	93.6	6.67	5.8	SR4	7/26/2019 7:16	28.65	81.6	5.81	5.8	SR4	7/26/2019 13:16	29.27	105.0	7.42	6.4	SR4	7/26/2019 19:16	29.10	107.4	7.61	7.7
SR4	7/26/2019 1:21	28.43	89.5	6.37	6.7	SR4	7/26/2019 7:21	28.51	80.8	5.78	5.9	SR4	7/26/2019 13:21	29.25	108.5	7.66	6.2	SR4	7/26/2019 19:21	29.07	107.5	7.62	7.2
SR4	7/26/2019 1:26	28.54	87.7	6.25	6.3	SR4	7/26/2019 7:26	28.58	83.5	5.95	6.4	SR4	7/26/2019 13:26	28.99	103.5	7.35	6.1	SR4	7/26/2019 19:26	29.02	106.3	7.53	7.7
SR4	7/26/2019 1:31	28.58	90.0	6.42	5.4	SR4	7/26/2019 7:31	28.56	82.3	5.87	6.8	SR4	7/26/2019 13:31	29.04	105.0	7.45	6.3	SR4	7/26/2019 19:31	29.03	104.5	7.40	6.7
SR4	7/26/2019 1:36	28.60	90.0	6.42	5.6	SR4	7/26/2019 7:36	28.74	90.8	6.47	5.8	SR4	7/26/2019 13:36	29.01	103.8	7.37	6.3	SR4	7/26/2019 19:36	29.28	113.9	8.05	7.8
SR4	7/26/2019 1:41	28.52	88.9	6.35	5.3	SR4	7/26/2019 7:41	28.69	90.5	6.45	6.2	SR4	7/26/2019 13:41	29.28	107.4	7.59	6.0	SR4	7/26/2019 19:41	29.09	103.9	7.36	7.2
SR4	7/26/2019 1:46	28.57	90.8	6.48	5.8	SR4	7/26/2019 7:46	28.50	87.6	6.25	5.8	SR4	7/26/2019 13:46	29.23	106.4	7.52	2.2	SR4	7/26/2019 19:46	29.06	108.4	7.68	7.6
SR4	7/26/2019 1:51	28.48	88.7	6.33	6.1	SR4	7/26/2019 7:51	28.48	87.8	6.26	6.6	SR4	7/26/2019 13:51	29.04	101.6	7.21	6.1	SR4	7/26/2019 19:51	29.22	110.1	7.79	7.2
SR4	7/26/2019 1:56	28.50	90.7	6.47	5.7	SR4	7/26/2019 7:56	28.49	89.0	6.35	5.9	SR4	7/26/2019 13:56	29.00	105.2	7.46	6.5	SR4	7/26/2019 19:56	29.27	116.1	8.21	7.1
SR4	7/26/2019 2:01	28.37	86.4	6.17	5.7	SR4	7/26/2019 8:01	28.48	81.9	5.85	6.2	SR4	7/26/2019 14:01	28.98	108.2	7.66	7.3	SR4	7/26/2019 20:01	29.33	119.8	8.45	7.8
SR4	7/26/2019 2:06	28.34	86.7	6.19	5.9	SR4	7/26/2019 8:06	28.78	86.9	6.20	6.4	SR4	7/26/2019 14:06	29.14	108.6	7.68	6.9	SR4	7/26/2019 20:06	29.16	109.2	7.73	7.3
SR4	7/26/2019 2:11	28.44	88.3	6.30	5.3	SR4	7/26/2019 8:11	28.82	86.2	6.15	5.9	SR4	7/26/2019 14:11	29.12	108.8	7.70	6.5	SR4	7/26/2019 20:11	29.15	108.0	7.64	6.7
SR4	7/26/2019 2:16	28.33	85.1	6.08	6.9	SR4	7/26/2019 8:16	29.00	91.4	6.51	5.8	SR4	7/26/2019 14:16	29.20	110.8	7.83	6.2	SR4	7/26/2019 20:16	29.29	118.6	8.38	7.1
SR4	7/26/2019 2:21	28.46	85.8	6.13	5.5	SR4	7/26/2019 8:21	28.91	90.5	6.44	6.0	SR4	7/26/2019 14:21	29.28	115.4	8.15	11.6	SR4	7/26/2019 20:21	29.23	117.9	8.33	7.0
SR4	7/26/2019 2:26	28.52	89.6	6.40	6.8	SR4	7/26/2019 8:26	28.67	90.1	6.41	6.9	SR4	7/26/2019 14:26	29.30	116.9	8.24	6.3	SR4	7/26/2019 20:26	29.16	109.0	7.72	7.2
SR4	7/26/2019 2:31	28.50	87.2	6.23	5.9	SR4	7/26/2019 8:31	28.72	93.5	6.64	6.3	SR4	7/26/2019 14:31	29.20	116.4	8.22	6.0	SR4	7/26/2019 20:31	29.27	117.1	8.28	7.7
SR4	7/26/2019 2:36	28.41	84.3	6.01	5.8	SR4	7/26/2019 8:36	28.61	92.4	6.58	6.8	SR4	7/26/2019 14:36	29.11	116.7	8.27	6.0	SR4	7/26/2019 20:36	29.29	118.8	8.40	8.0
SR4	7/26/2019 2:41	28.42	84.0	6.00	6.1	SR4	7/26/2019 8:41	28.78	95.0	6.75	6.2	SR4	7/26/2019 14:41	29.31	125.7	8.86	6.3	SR4	7/26/2019 20:41	29.35	120.5	8.50	8.1
SR4	7/26/2019 2:46	28.52	86.1	6.15	5.8	SR4	7/26/2019 8:46	28.66	91.1	6.48	6.1	SR4	7/26/2019 14:46	29.31	125.1	8.82	7.2	SR4	7/26/2019 20:46	29.37	120.7	8.52	6.9
SR4	7/26/2019 2:51	28.52	89.7	6.39	6.1	SR4	7/26/2019 8:51	28.85	95.4	6.77	5.4	SR4	7/26/2019 14:51	29.26	122.7	8.66	6.7	SR4	7/26/2019 20:51	29.36	119.7	8.45	6.8
SR4	7/26/2019 2:56	28.55	90.1	6.43	6.2	SR4	7/26/2019 8:56	28.60	86.2	6.14	6.3	SR4	7/26/2019 14:56	29.24	122.5	8.65	6.6	SR4	7/26/2019 20:56	29.27	117.9	8.33	7.5
SR4	7/26/2019 3:01	28.49	90.7	6.46	6.9	SR4	7/26/2019 9:01	28.81	94.7	6.72	6.8	SR4	7/26/2019 15:01	29.11	116.5	8.24	6.7	SR4	7/26/2019 21:01	29.36	119.0	8.41	7.5
SR4	7/26/2019 3:06	28.49	90.9	6.48	5.4	SR4	7/26/2019 9:06	28.87	98.9	7.02	6.0	SR4	7/26/2019 15:06	29.49	112.6	7.92	6.5	SR4	7/26/2019 21:06	29.32	117.6	8.32	7.8
SR4	7/26/2019 3:11	28.38	86.5	6.16	6.6	SR4	7/26/2019 9:11	28.71	94.0	6.67	6.5	SR4	7/26/2019 15:11	29.53	122.9	8.63	6.3	SR4	7/26/2019 21:11	29.30	116.7	8.25	6.7
SR4	7/26/2019 3:16	28.41	85.4	6.09	5.5	SR4	7/26/2019 9:16	28.74	95.3	6.76	7.0	SR4	7/26/2019 15:16	29.24	122.0	8.61	6.8	SR4	7/26/2019 21:16	29.33	116.7	8.26	7.5
SR4	7/26/2019 3:21	28.49	85.4	6.09	6.0	SR4	7/26/2019 9:21	28.81	96.7	6.87	6.1	SR4	7/26/2019 15:21	29.19	120.6	8.53	6.6	SR4	7/26/2019 21:21	29.32	116.0	8.21	7.1
SR4	7/26/2019 3:26	28.48	84.7	6.03	5.7	SR4	7/26/2019 9:26	28.67	93.2	6.63	6.8	SR4	7/26/2019 15:26	29.47	129.6	9.11	6.3	SR4	7/26/2019 21:26	29.34	117.9	8.34	7.3
SR4	7/26/2019 3:31	28.42	81.4	5.79	7.3	SR4	7/26/2019 9:31	28.64	93.0	6.61	5.9	SR4	7/26/2019 15:31	29.10	115.4	8.16	6.7	SR4	7/26/2019 21:31	29.35	117.8	8.34	7.9
SR4	7/26/2019 3:36	28.53	83.9	5.97	5.5	SR4	7/26/2019 9:36	28.65	92.2	6.56	5.8	SR4	7/26/2019 15:36	29.36	120.8	8.51	7.4	SR4	7/26/2019 21:36	29.37	118.0	8.37	7.9
SR4	7/26/2019 3:41	28.57	84.1	5.99	6.5	SR4	7/26/2019 9:41	28.63	90.5	6.44	17.1	SR4	7/26/2019 15:41	29.36	119.1	8.39	6.9	SR4	7/26/2019 21:41	29.35	117.1	8.30	7.7
SR4	7/26/2019 3:46	28.55	83.3	5.94	5.6	SR4	7/26/2019 9:46	28.72	91.3	6.50	6.7	SR4	7/26/2019 15:46	29.13	120.9	8.56	6.0	SR4	7/26/2019 21:46	29.32	114.5	8.11	8.1
SR4	7/26/2019 3:51	28.61	87.7	6.24	6.1	SR4	7/26/2019 9:51	28.73	90.9	6.48	6.4	SR4	7/26/2019 15:51	29.29	120.6	8.51	6.6	SR4	7/26/2019 21:51	29.32	113.7	8.06	6.7

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	7/26/2019 0:00	29.45	144.1	10.08	6.2	SR5	7/26/2019 6:00	28.34	111.3	7.81	5.9	SR5	7/26/2019 12:00	29.08	135.2	9.59	5.5	SR5	7/26/2019 18:00	29.99	216.2	14.98	6.5
SR5	7/26/2019 0:05	29.34	137.7	9.65	6.1	SR5	7/26/2019 6:05	28.30	109.1	7.66	5.6	SR5	7/26/2019 12:05	28.98	125.3	8.88	6.6	SR5	7/26/2019 18:05	29.90	211.2	14.63	7.9
SR5	7/26/2019 0:10	29.37	135.5	9.50	7.0	SR5	7/26/2019 6:10	28.26	107.0	7.51	7.8	SR5	7/26/2019 12:10	29.03	132.9	9.43	7.5	SR5	7/26/2019 18:10	29.87	210.9	14.62	7.6
SR5	7/26/2019 0:15	29.05	122.4	8.62	6.6	SR5	7/26/2019 6:15	28.27	106.1	7.46	6.6	SR5	7/26/2019 12:15	28.92	125.3	8.88	5.9	SR5	7/26/2019 18:15	29.84	210.4	14.61	7.9
SR5	7/26/2019 0:20	29.05	123.4	8.70	6.5	SR5	7/26/2019 6:20	28.29	105.5	7.44	6.7	SR5	7/26/2019 12:20	28.95	123.9	8.77	6.5	SR5	7/26/2019 18:20	29.83	210.4	14.61	6.1
SR5	7/26/2019 0:25	28.98	120.2	8.47	6.6	SR5	7/26/2019 6:25	28.35	106.7	7.54	5.6	SR5	7/26/2019 12:25	28.88	119.1	8.43	6.1	SR5	7/26/2019 18:25	29.80	207.4	14.40	6.7
SR5	7/26/2019 0:30	29.05	124.8	8.76	7.9	SR5	7/26/2019 6:30	28.53	106.6	7.55	5.9	SR5	7/26/2019 12:30	28.84	118.3	8.37	7.4	SR5	7/26/2019 18:30	29.85	209.0	14.52	5.2
SR5	7/26/2019 0:35	28.93	120.1	8.44	7.4	SR5	7/26/2019 6:35	28.57	106.7	7.55	6.5	SR5	7/26/2019 12:35	28.95	118.8	8.39	6.6	SR5	7/26/2019 18:35	29.77	205.5	14.28	5.6
SR5	7/26/2019 0:40	28.94	119.9	8.44	7.4	SR5	7/26/2019 6:40	28.58	106.3	7.53	6.0	SR5	7/26/2019 12:40	28.83	121.3	8.56	6.3	SR5	7/26/2019 18:40	29.98	214.3	14.92	6.6
SR5	7/26/2019 0:45	28.94	120.6	8.50	6.6	SR5	7/26/2019 6:45	28.59	105.9	7.49	6.6	SR5	7/26/2019 12:45	28.69	117.4	8.29	6.7	SR5	7/26/2019 18:45	29.93	211.0	14.68	6.0
SR5	7/26/2019 0:50	28.91	120.6	8.51	7.6	SR5	7/26/2019 6:50	28.70	108.2	7.67	6.6	SR5	7/26/2019 12:50	28.69	116.6	8.22	7.0	SR5	7/26/2019 18:50	30.07	211.6	14.71	5.7
SR5	7/26/2019 0:55	28.85	119.9	8.45	7.5	SR5	7/26/2019 6:55	28.67	111.1	7.88	6.0	SR5	7/26/2019 12:55	28.86	126.2	8.91	7.3	SR5	7/26/2019 18:55	30.13	215.3	14.97	5.2
SR5	7/26/2019 1:00	28.82	119.8	8.44	7.7	SR5	7/26/2019 7:00	28.70	114.9	8.13	5.3	SR5	7/26/2019 13:00	28.88	126.9	8.96	6.4	SR5	7/26/2019 19:00	30.15	213.6	14.87	6.6
SR5	7/26/2019 1:05	28.89	120.4	8.49	5.8	SR5	7/26/2019 7:05	28.74	112.9	8.01	5.7	SR5	7/26/2019 13:05	29.09	134.2	9.49	6.8	SR5	7/26/2019 19:05	29.98	207.1	14.43	5.9
SR5	7/26/2019 1:10	28.93	120.0	8.46	7.5	SR5	7/26/2019 7:10	28.75	114.2	8.10	6.6	SR5	7/26/2019 13:10	28.86	126.5	8.93	6.1	SR5	7/26/2019 19:10	30.00	206.7	14.42	6.1
SR5	7/26/2019 1:15	28.96	121.0	8.53	7.7	SR5	7/26/2019 7:15	28.71	114.2	8.09	6.8	SR5	7/26/2019 13:15	29.13	134.0	9.47	6.2	SR5	7/26/2019 19:15	30.09	208.6	14.55	6.9
SR5	7/26/2019 1:20	28.96	119.0	8.39	6.7	SR5	7/26/2019 7:20	28.83	117.5	8.36	5.1	SR5	7/26/2019 13:20	28.97	131.6	9.30	5.7	SR5	7/26/2019 19:20	30.19	208.2	14.53	7.0
SR5	7/26/2019 1:25	28.77	117.3	8.26	6.2	SR5	7/26/2019 7:25	28.84	118.6	8.45	6.1	SR5	7/26/2019 13:25	28.97	130.5	9.23	7.3	SR5	7/26/2019 19:25	30.12	207.2	14.47	6.5
SR5	7/26/2019 1:30	28.02	109.0	7.64	5.9	SR5	7/26/2019 7:30	28.77	119.1	8.48	5.9	SR5	7/26/2019 13:30	28.88	128.2	9.07	5.6	SR5	7/26/2019 19:30	30.07	206.6	14.43	5.5
SR5	7/26/2019 1:35	28.63	103.9	7.26	5.9	SR5	7/26/2019 7:35	28.91	120.2	8.55	6.3	SR5	7/26/2019 13:35	29.29	149.9	10.57	6.2	SR5	7/26/2019 19:35	30.16	218.4	15.28	7.4
SR5	7/26/2019 1:40	28.10	106.5	7.44	6.7	SR5	7/26/2019 7:40	28.77	119.8	8.53	6.2	SR5	7/26/2019 13:40	28.89	133.1	9.39	5.6	SR5	7/26/2019 19:40	30.20	215.6	15.06	5.3
SR5	7/26/2019 1:45	27.77	96.8	6.76	7.3	SR5	7/26/2019 7:45	28.78	120.6	8.59	7.0	SR5	7/26/2019 13:45	29.79	164.8	11.53	3.5	SR5	7/26/2019 19:45	30.16	212.1	14.82	7.1
SR5	7/26/2019 1:50	27.64	97.1	6.76	6.6	SR5	7/26/2019 7:50	28.76	119.9	8.52	6.5	SR5	7/26/2019 13:50	29.45	163.4	11.46	6.9	SR5	7/26/2019 19:50	30.20	208.0	14.55	7.1
SR5	7/26/2019 1:55	27.63	98.6	6.86	7.0	SR5	7/26/2019 7:55	28.75	118.9	8.45	6.2	SR5	7/26/2019 13:55	29.62	173.1	12.14	6.4	SR5	7/26/2019 19:55	30.16	208.9	14.61	5.5
SR5	7/26/2019 2:00	27.60	98.3	6.83	6.5	SR5	7/26/2019 8:00	28.82	120.8	8.59	5.4	SR5	7/26/2019 14:00	29.24	155.1	10.88	6.6	SR5	7/26/2019 20:00	30.28	219.0	15.31	7.2
SR5	7/26/2019 2:05	27.49	94.7	6.59	7.1	SR5	7/26/2019 8:05	28.85	121.8	8.64	5.6	SR5	7/26/2019 14:05	29.47	147.5	10.38	7.7	SR5	7/26/2019 20:05	30.33	226.2	15.81	5.1
SR5	7/26/2019 2:10	27.42	96.5	6.69	7.4	SR5	7/26/2019 8:10	28.89	123.1	8.73	6.1	SR5	7/26/2019 14:10	29.13	150.0	10.54	6.2	SR5	7/26/2019 20:10	30.32	223.1	15.59	5.5
SR5	7/26/2019 2:15	27.56	94.2	6.56	7.5	SR5	7/26/2019 8:15	28.94	124.0	8.81	5.6	SR5	7/26/2019 14:15	28.95	143.9	10.12	6.8	SR5	7/26/2019 20:15	30.30	223.6	15.62	6.0
SR5	7/26/2019 2:20	27.50	94.3	6.57	7.5	SR5	7/26/2019 8:20	28.90	122.8	8.71	5.8	SR5	7/26/2019 14:20	28.72	127.6	9.98	8.8	SR5	7/26/2019 20:20	30.33	220.0	15.36	6.8
SR5	7/26/2019 2:25	27.50	94.6	6.59	6.7	SR5	7/26/2019 8:25	28.91	122.8	8.71	6.1	SR5	7/26/2019 14:25	28.83	127.1	8.94	5.5	SR5	7/26/2019 20:25	30.22	219.5	15.34	6.2
SR5	7/26/2019 2:30	27.49	97.2	6.75	7.5	SR5	7/26/2019 8:30	29.00	123.8	8.78	7.1	SR5	7/26/2019 14:30	28.67	128.2	9.04	6.2	SR5	7/26/2019 20:30	30.35	222.2	15.52	5.1
SR5	7/26/2019 2:35	27.57	98.2	6.83	7.0	SR5	7/26/2019 8:35	29.01	125.0	8.87	6.2	SR5	7/26/2019 14:35	28.14	113.5	7.97	6.2	SR5	7/26/2019 20:35	30.28	221.9	15.51	6.0
SR5	7/26/2019 2:40	27.44	99.2	6.88	7.2	SR5	7/26/2019 8:40	28.98	125.4	8.89	6.2	SR5	7/26/2019 14:40	28.26	112.0	7.85	6.8	SR5	7/26/2019 20:40	30.11	219.4	15.38	7.4
SR5	7/26/2019 2:45	27.54	96.6	6.71	6.9	SR5	7/26/2019 8:45	28.96	124.3	8.80	6.4	SR5	7/26/2019 14:45	28.49	122.9	8.64	5.8	SR5	7/26/2019 20:45	30.09	213.1	14.95	6.2
SR5	7/26/2019 2:50	27.40	96.5	6.70	6.0	SR5	7/26/2019 8:50	29.23	126.1	8.95	5.2	SR5	7/26/2019 14:50	28.61	129.4	9.09	7.7	SR5	7/26/2019 20:50	30.06	207.3	14.57	6.5
SR5	7/26/2019 2:55	27.36	93.8	6.49	6.3	SR5	7/26/2019 8:55	29.18	126.6	9.14	6.6	SR5	7/26/2019 14:55	28.52	130.0	9.14	6.3	SR5	7/26/2019 20:55	30.08	204.1	14.34	5.8
SR5	7/26/2019 3:00	27.30	93.5	6.48	7.5	SR5	7/26/2019 9:00	29.14	129.4	9.19	6.5	SR5	7/26/2019 15:00	28.66	130.6	9.17	7.4	SR5	7/26/2019 21:00	30.07	205.3	14.43	6.0
SR5	7/26/2019 3:05	27.29	94.4	6.54	6.7	SR5	7/26/2019 9:05	29.12	130.0	9.23	7.3	SR5	7/26/2019 15:05	28.41	128.8	9.02	6.2	SR5	7/26/2019 21:05	29.96	196.8	13.85	7.3
SR5	7/26/2019 3:10	27.38	94.8	6.58	6.9	SR5	7/26/2019 9:10	29.16	136.5	9.69	6.1	SR5	7/26/2019 15:10	28.70	131.0	9.18	6.4	SR5	7/26/2019 21:10	29.94	192.1	13.53	6.3
SR5	7/26/2019 3:15	27.36	95.8	6.64	6.0	SR5	7/26/2019 9:15	29.22	134.1	9.51	6.3	SR5	7/26/2019 15:15	28.34	125.6	8.78	6.1	SR5	7/26/2019 21:15	30.00	196.7	13.84	6.2
SR5	7/26/2019 3:20	27.36	96.7	6.70	6.5	SR5	7/26/2019 9:20	29.34	133.9	9.49	5.4	SR5	7/26/2019 15:20	28.35	124.9	8.72	6.1	SR5	7/26/2019 21:20	29.91	193.4	13.62	6.4
SR5	7/26/2019 3:25	27.36	97.3	6.74	5.6	SR5	7/26/2019 9:25	29.32	133.1	9.43	6.0	SR5	7/26/2019 15:25	28.25	124.1	8.66	7.4	SR5	7/26/2019 21:25	29.93	194.7	13.71	6.7
SR5	7/26/2019 3:30	27.32	95.4	6.62	6.0	SR5	7/26/2019 9:30	29.24	132.8	9.43	6.0	SR5	7/26/2019 15:30	28.20	123.9	8.64	7.4	SR5	7/26/2019 21:30	29.90	193.0	13.60	7.1
SR5	7/26/2019 3:35	27.33	94.0	6.52	6.5	SR5	7/26/2019 9:35	29.18	133.0	9.44	5.1	SR5	7/26/2019 15:35	28.20	122.0	8.51	8.0	SR5	7/26/2019 21:35	30.13	201.4	14.11	5.8
SR5	7/26/2019 3:40	27.35	94.2	6.53	6.8	SR5	7/26/2019 9:40	29.24	132.4	9.40	11.8	SR5	7/26/2019 15:40	27.78	102.2	7.12	6.9	SR5	7/26/2019 21:40	30.06	198.7	13.95	7.1
SR5	7/26/2019 3:45	27.30	94.2	6.53	6.0	SR5	7/26/2019 9:45	29.20	131.5	9.34	7.1	SR5	7/26/2019 15:45	27.89	112.2	7.83	6.2	SR5	7/26/2019 21:45	30.08	197.4	13.86	6.4
SR5	7/26/2019 3:50	27.23	95.4	6.61	7.1	SR5	7/26/2019 9:50	29.21	132.1	9.38	7.7	SR5											

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	7/26/2019 0:01	28.28	108.6	7.60	6.0	SR12	7/26/2019 6:01	27.79	90.0	8.30	5.8	SR12	7/26/2019 12:01	28.40	120.0	8.37	5.5	SR12	7/26/2019 18:01	28.64	147.2	10.22	7.6
SR12	7/26/2019 0:06	28.31	109.9	7.69	5.7	SR12	7/26/2019 6:06	27.62	88.0	6.14	5.7	SR12	7/26/2019 12:06	28.34	120.3	8.40	6.6	SR12	7/26/2019 18:06	28.70	152.8	10.62	6.0
SR12	7/26/2019 0:11	28.19	108.5	7.58	5.9	SR12	7/26/2019 6:11	27.78	91.7	6.39	7.2	SR12	7/26/2019 12:11	28.44	122.8	8.56	5.9	SR12	7/26/2019 18:11	27.87	112.1	7.80	6.1
SR12	7/26/2019 0:16	28.27	108.8	7.62	5.6	SR12	7/26/2019 6:16	27.75	89.1	6.22	5.9	SR12	7/26/2019 12:16	28.51	122.8	8.55	6.8	SR12	7/26/2019 18:16	28.28	124.5	8.66	5.5
SR12	7/26/2019 0:21	28.14	107.2	7.49	6.3	SR12	7/26/2019 6:21	27.77	90.0	6.28	5.4	SR12	7/26/2019 12:21	28.60	123.4	8.59	6.0	SR12	7/26/2019 18:21	28.03	119.8	8.34	7.4
SR12	7/26/2019 0:26	28.18	105.1	7.35	6.0	SR12	7/26/2019 6:26	27.75	92.1	6.43	5.5	SR12	7/26/2019 12:26	28.59	121.4	8.45	6.2	SR12	7/26/2019 18:26	28.55	152.8	10.62	5.4
SR12	7/26/2019 0:31	28.11	103.2	7.21	6.9	SR12	7/26/2019 6:31	27.78	92.4	6.46	6.4	SR12	7/26/2019 12:31	28.59	121.8	8.48	5.5	SR12	7/26/2019 18:31	28.47	145.9	10.14	6.4
SR12	7/26/2019 0:36	28.04	101.2	7.07	6.0	SR12	7/26/2019 6:36	27.69	92.0	6.43	6.6	SR12	7/26/2019 12:36	28.57	120.8	8.41	6.0	SR12	7/26/2019 18:36	28.13	135.8	9.45	6.8
SR12	7/26/2019 0:41	28.14	103.5	7.23	7.0	SR12	7/26/2019 6:41	27.70	92.0	6.42	7.8	SR12	7/26/2019 12:41	28.46	119.7	8.34	5.8	SR12	7/26/2019 18:41	27.94	123.0	8.55	5.4
SR12	7/26/2019 0:46	28.17	103.8	7.24	7.2	SR12	7/26/2019 6:46	27.44	85.4	5.96	8.4	SR12	7/26/2019 12:46	28.62	127.7	8.89	6.8	SR12	7/26/2019 18:46	28.26	139.6	9.71	5.8
SR12	7/26/2019 0:51	28.17	105.2	7.35	6.7	SR12	7/26/2019 6:51	27.44	87.7	6.11	6.2	SR12	7/26/2019 12:51	28.61	125.6	8.74	6.3	SR12	7/26/2019 18:51	28.46	141.0	9.80	5.4
SR12	7/26/2019 0:56	28.07	101.5	7.08	5.6	SR12	7/26/2019 6:56	27.53	86.3	6.02	5.3	SR12	7/26/2019 12:56	28.64	125.2	8.70	7.2	SR12	7/26/2019 18:56	28.49	146.9	10.20	6.0
SR12	7/26/2019 1:01	27.68	96.7	6.74	6.5	SR12	7/26/2019 7:01	27.37	83.6	5.83	6.3	SR12	7/26/2019 13:01	28.57	122.7	8.54	7.6	SR12	7/26/2019 19:01	28.32	134.9	9.38	5.7
SR12	7/26/2019 1:06	28.03	98.8	6.90	5.0	SR12	7/26/2019 7:06	27.41	88.7	6.19	6.3	SR12	7/26/2019 13:06	28.77	127.9	8.88	7.0	SR12	7/26/2019 19:06	28.55	147.5	10.24	7.0
SR12	7/26/2019 1:11	28.02	100.0	6.98	6.7	SR12	7/26/2019 7:11	27.23	81.7	5.69	6.4	SR12	7/26/2019 13:11	28.57	124.0	8.63	7.9	SR12	7/26/2019 19:11	28.51	133.3	9.24	5.1
SR12	7/26/2019 1:16	28.13	106.5	7.43	5.6	SR12	7/26/2019 7:16	27.37	84.7	5.90	6.0	SR12	7/26/2019 13:16	28.67	123.3	8.56	6.0	SR12	7/26/2019 19:16	28.14	127.0	8.83	7.7
SR12	7/26/2019 1:21	27.76	100.9	7.03	7.0	SR12	7/26/2019 7:21	27.19	85.6	5.97	6.1	SR12	7/26/2019 13:21	28.63	128.1	8.90	6.8	SR12	7/26/2019 19:21	28.05	126.4	8.79	6.2
SR12	7/26/2019 1:26	27.98	98.3	6.86	6.8	SR12	7/26/2019 7:26	27.44	88.1	6.14	5.9	SR12	7/26/2019 13:26	28.11	120.9	8.44	6.1	SR12	7/26/2019 19:26	27.93	124.8	8.68	7.1
SR12	7/26/2019 1:31	28.03	101.7	7.10	5.0	SR12	7/26/2019 7:31	27.50	85.5	5.98	8.1	SR12	7/26/2019 13:31	28.20	122.9	8.57	6.3	SR12	7/26/2019 19:31	28.00	122.8	8.54	5.8
SR12	7/26/2019 1:36	28.06	101.3	7.07	4.9	SR12	7/26/2019 7:36	27.94	97.8	6.84	6.4	SR12	7/26/2019 13:36	28.14	121.2	8.46	5.9	SR12	7/26/2019 19:36	28.44	135.5	9.41	7.0
SR12	7/26/2019 1:41	27.95	99.8	6.97	5.2	SR12	7/26/2019 7:41	27.91	95.9	6.71	5.6	SR12	7/26/2019 13:41	28.64	126.7	8.80	6.5	SR12	7/26/2019 19:41	28.07	121.2	8.42	5.5
SR12	7/26/2019 1:46	28.09	102.1	7.13	4.9	SR12	7/26/2019 7:46	27.63	92.6	6.47	5.4	SR12	7/26/2019 13:46	28.57	124.9	8.67	5.9	SR12	7/26/2019 19:46	28.06	127.5	8.86	6.5
SR12	7/26/2019 1:51	27.93	99.0	6.91	5.9	SR12	7/26/2019 7:51	27.69	94.7	6.61	6.2	SR12	7/26/2019 13:51	28.18	118.4	8.25	6.3	SR12	7/26/2019 19:51	28.37	131.0	9.10	5.7
SR12	7/26/2019 1:56	28.02	101.8	7.10	5.7	SR12	7/26/2019 7:56	27.76	97.2	6.79	6.3	SR12	7/26/2019 13:56	28.11	123.6	8.62	7.3	SR12	7/26/2019 19:56	28.43	139.8	9.71	6.0
SR12	7/26/2019 2:01	27.78	95.6	6.67	5.2	SR12	7/26/2019 8:01	27.35	87.2	6.08	6.4	SR12	7/26/2019 14:01	28.09	127.6	8.90	7.7	SR12	7/26/2019 20:01	28.56	145.7	10.11	6.6
SR12	7/26/2019 2:06	27.74	96.0	6.69	5.2	SR12	7/26/2019 8:06	27.76	94.6	6.60	7.0	SR12	7/26/2019 14:06	28.40	128.3	8.92	8.2	SR12	7/26/2019 20:06	28.22	131.0	9.11	6.3
SR12	7/26/2019 2:11	27.95	98.0	6.84	4.8	SR12	7/26/2019 8:11	27.58	94.0	6.56	5.8	SR12	7/26/2019 14:11	28.32	128.2	8.92	6.7	SR12	7/26/2019 20:11	28.19	127.7	8.87	5.7
SR12	7/26/2019 2:16	27.72	93.3	6.50	6.9	SR12	7/26/2019 8:16	27.85	101.7	7.09	5.9	SR12	7/26/2019 14:16	28.51	130.8	9.08	6.3	SR12	7/26/2019 20:16	28.47	143.0	9.93	5.4
SR12	7/26/2019 2:21	27.98	94.5	6.59	5.4	SR12	7/26/2019 8:21	27.73	100.6	7.01	6.1	SR12	7/26/2019 14:21	28.60	136.9	9.50	19.8	SR12	7/26/2019 20:21	28.37	141.7	9.84	5.7
SR12	7/26/2019 2:26	28.05	99.3	6.94	6.9	SR12	7/26/2019 8:26	27.43	96.5	6.73	7.5	SR12	7/26/2019 14:26	28.68	139.0	9.63	6.2	SR12	7/26/2019 20:26	28.23	128.6	8.93	6.6
SR12	7/26/2019 2:31	27.98	95.8	6.69	6.2	SR12	7/26/2019 8:31	27.61	99.4	6.92	6.1	SR12	7/26/2019 14:31	28.50	137.9	9.58	6.2	SR12	7/26/2019 20:31	28.43	140.4	9.75	6.8
SR12	7/26/2019 2:36	27.78	91.4	6.36	5.7	SR12	7/26/2019 8:36	27.46	99.3	6.92	7.5	SR12	7/26/2019 14:36	28.29	138.1	9.62	6.2	SR12	7/26/2019 20:36	28.48	143.5	9.97	7.6
SR12	7/26/2019 2:41	27.79	91.0	6.34	5.8	SR12	7/26/2019 8:41	27.78	104.3	7.26	5.7	SR12	7/26/2019 14:41	28.67	150.7	10.45	6.4	SR12	7/26/2019 20:41	28.61	145.9	10.12	7.3
SR12	7/26/2019 2:46	27.99	94.2	6.58	5.4	SR12	7/26/2019 8:46	27.49	99.9	6.96	6.8	SR12	7/26/2019 14:46	28.67	150.1	10.41	7.5	SR12	7/26/2019 20:46	28.64	146.0	10.13	5.8
SR12	7/26/2019 2:51	27.96	99.2	6.92	6.5	SR12	7/26/2019 8:51	27.77	107.3	7.47	5.4	SR12	7/26/2019 14:51	28.58	146.5	10.17	6.6	SR12	7/26/2019 20:51	28.60	144.7	10.04	5.9
SR12	7/26/2019 2:56	28.01	99.3	6.95	6.0	SR12	7/26/2019 8:56	27.23	94.3	6.57	6.3	SR12	7/26/2019 14:56	28.57	146.5	10.18	7.1	SR12	7/26/2019 20:56	28.46	141.6	9.83	7.4
SR12	7/26/2019 3:01	27.90	99.8	6.96	7.3	SR12	7/26/2019 9:01	27.66	105.1	7.32	7.9	SR12	7/26/2019 15:01	28.28	137.9	9.60	6.7	SR12	7/26/2019 21:01	28.61	142.8	9.92	6.4
SR12	7/26/2019 3:06	27.94	100.1	6.99	5.3	SR12	7/26/2019 9:06	27.87	111.7	7.78	6.6	SR12	7/26/2019 15:06	29.01	132.5	9.15	6.2	SR12	7/26/2019 21:06	28.56	141.6	9.84	8.1
SR12	7/26/2019 3:11	27.70	93.8	6.54	6.3	SR12	7/26/2019 9:11	27.63	105.8	7.37	6.4	SR12	7/26/2019 15:11	29.11	147.3	10.17	7.1	SR12	7/26/2019 21:11	28.50	140.3	9.75	5.8
SR12	7/26/2019 3:16	27.64	92.0	6.42	5.2	SR12	7/26/2019 9:16	27.79	107.7	7.50	7.3	SR12	7/26/2019 15:16	28.54	146.0	10.14	6.7	SR12	7/26/2019 21:16	28.57	140.6	9.78	6.5
SR12	7/26/2019 3:21	27.65	91.7	6.39	6.7	SR12	7/26/2019 9:21	27.98	109.9	7.66	6.5	SR12	7/26/2019 15:21	28.41	143.9	10.01	6.6	SR12	7/26/2019 21:21	28.57	140.2	9.75	5.8
SR12	7/26/2019 3:26	27.52	90.7	6.32	6.0	SR12	7/26/2019 9:26	27.71	105.2	7.34	6.9	SR12	7/26/2019 15:26	29.01	156.6	10.83	6.5	SR12	7/26/2019 21:26	28.62	143.0	9.96	5.8
SR12	7/26/2019 3:31	27.38	86.0	5.98	8.3	SR12	7/26/2019 9:31	27.67	104.6	7.29	6.4	SR12	7/26/2019 15:31	28.26	136.3	9.48	6.5	SR12	7/26/2019 21:31	28.63	142.4	9.92	7.5
SR12	7/26/2019 3:36	27.61	89.3	6.22	5.6	SR12	7/26/2019 9:36	27.68	103.7	7.23	6.1	SR12	7/26/2019 15:36	28.74	143.7	9.96	7.0	SR12	7/26/2019 21:36	28.69	142.3	9.92	7.0
SR12	7/26/2019 3:41	27.69	90.5	6.30	6.1	SR12	7/26/2019 9:41	27.64	101.8	7.10	17.8	SR12	7/26/2019 15:41	28.78	141.3	9.79	6.1	SR12	7/26/2019 21:41	28.61	140.6	9.97	6.5
SR12	7/26/2019 3:46	27.64	89.0	6.20	5.5	SR12	7/26/2019 9:46	27.74	103.0	7.20	7.6	SR12	7/26/2019 15:46	28.26	144.3	10.05	5.3	SR12	7/26/2019 21:46	28.59	137.6	9.58	7.3
SR12	7/26/2																						

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	7/26/2019 0:00	28.57	106.7	7.61	6.5	SR13	7/26/2019 6:00	27.92	87.7	8.28	6.1	SR13	7/26/2019 12:00	28.85	115.2	8.24	6.4	SR13	7/26/2019 18:00	29.17	142.7	10.06	6.4
SR13	7/26/2019 0:05	28.63	103.3	7.38	6.4	SR13	7/26/2019 6:05	27.98	88.0	6.30	5.9	SR13	7/26/2019 12:05	28.59	108.9	7.81	6.3	SR13	7/26/2019 18:05	29.11	140.3	9.90	7.1
SR13	7/26/2019 0:10	28.65	104.2	7.45	6.1	SR13	7/26/2019 6:10	27.99	86.2	6.19	7.5	SR13	7/26/2019 12:10	28.62	112.5	8.06	6.8	SR13	7/26/2019 18:10	29.13	139.4	9.83	6.5
SR13	7/26/2019 0:15	28.55	99.4	7.13	5.8	SR13	7/26/2019 6:15	28.16	90.7	6.51	6.2	SR13	7/26/2019 12:15	28.57	108.9	7.80	6.2	SR13	7/26/2019 18:15	29.28	144.5	10.19	6.9
SR13	7/26/2019 0:20	28.51	99.3	7.12	5.8	SR13	7/26/2019 6:20	28.16	90.3	6.49	6.0	SR13	7/26/2019 12:20	28.79	110.6	7.90	6.4	SR13	7/26/2019 18:20	29.10	138.6	9.78	5.7
SR13	7/26/2019 0:25	28.54	99.1	7.11	5.7	SR13	7/26/2019 6:25	28.06	89.0	6.40	5.5	SR13	7/26/2019 12:25	28.75	108.3	7.74	6.2	SR13	7/26/2019 18:25	29.05	139.7	9.86	6.3
SR13	7/26/2019 0:30	28.51	99.3	7.11	6.5	SR13	7/26/2019 6:30	28.15	89.7	6.45	6.0	SR13	7/26/2019 12:30	28.62	105.4	7.55	6.6	SR13	7/26/2019 18:30	29.17	141.7	10.00	5.4
SR13	7/26/2019 0:35	28.50	98.8	7.07	6.3	SR13	7/26/2019 6:35	28.19	90.8	6.52	6.3	SR13	7/26/2019 12:35	28.68	107.8	7.72	6.9	SR13	7/26/2019 18:35	29.15	143.9	10.15	5.8
SR13	7/26/2019 0:40	28.41	96.2	6.89	6.0	SR13	7/26/2019 6:40	28.02	86.4	6.22	6.2	SR13	7/26/2019 12:40	28.65	110.2	7.88	6.9	SR13	7/26/2019 18:40	29.28	149.3	10.53	6.4
SR13	7/26/2019 0:45	28.40	96.5	6.92	5.9	SR13	7/26/2019 6:45	28.19	89.3	6.41	6.6	SR13	7/26/2019 12:45	28.72	109.3	7.81	7.1	SR13	7/26/2019 18:45	29.13	142.2	10.04	6.0
SR13	7/26/2019 0:50	28.47	97.7	7.01	5.9	SR13	7/26/2019 6:50	28.15	89.7	6.45	6.1	SR13	7/26/2019 12:50	28.70	108.9	7.78	6.7	SR13	7/26/2019 18:50	29.18	141.0	9.95	5.6
SR13	7/26/2019 0:55	28.36	95.3	6.83	6.8	SR13	7/26/2019 6:55	28.25	93.8	6.74	5.9	SR13	7/26/2019 12:55	28.84	113.3	8.08	6.8	SR13	7/26/2019 18:55	29.31	148.3	10.46	5.5
SR13	7/26/2019 1:00	28.45	95.8	6.87	6.2	SR13	7/26/2019 7:00	28.22	94.8	6.80	5.7	SR13	7/26/2019 13:00	28.87	116.1	8.28	8.6	SR13	7/26/2019 19:00	29.29	147.1	10.38	5.6
SR13	7/26/2019 1:05	28.50	97.9	7.03	6.3	SR13	7/26/2019 7:05	28.12	92.3	6.63	6.4	SR13	7/26/2019 13:05	29.02	119.6	8.52	6.4	SR13	7/26/2019 19:05	29.17	139.5	9.86	5.9
SR13	7/26/2019 1:10	28.49	96.3	6.91	6.4	SR13	7/26/2019 7:10	28.18	94.1	6.75	6.3	SR13	7/26/2019 13:10	28.91	116.6	8.32	6.3	SR13	7/26/2019 19:10	29.26	144.0	10.18	6.2
SR13	7/26/2019 1:15	28.42	95.0	6.81	6.4	SR13	7/26/2019 7:15	28.11	94.1	6.75	6.9	SR13	7/26/2019 13:15	28.93	119.4	8.53	6.1	SR13	7/26/2019 19:15	29.31	146.0	10.31	6.9
SR13	7/26/2019 1:20	28.42	94.2	6.76	6.2	SR13	7/26/2019 7:20	28.28	97.3	6.99	5.7	SR13	7/26/2019 13:20	29.02	123.5	8.80	6.2	SR13	7/26/2019 19:20	29.41	146.8	10.36	6.8
SR13	7/26/2019 1:25	28.44	94.9	6.81	5.8	SR13	7/26/2019 7:25	28.14	95.8	6.89	6.3	SR13	7/26/2019 13:25	29.03	123.1	8.77	7.1	SR13	7/26/2019 19:25	29.39	146.3	10.34	5.9
SR13	7/26/2019 1:30	28.16	94.1	6.74	6.1	SR13	7/26/2019 7:30	28.20	99.1	7.12	5.8	SR13	7/26/2019 13:30	28.98	120.8	8.62	6.3	SR13	7/26/2019 19:30	29.37	145.9	10.32	5.7
SR13	7/26/2019 1:35	28.40	92.4	6.62	6.0	SR13	7/26/2019 7:35	28.04	94.2	6.78	6.2	SR13	7/26/2019 13:35	29.11	128.4	9.15	6.6	SR13	7/26/2019 19:35	29.35	148.7	10.52	7.0
SR13	7/26/2019 1:40	28.17	93.7	6.71	7.2	SR13	7/26/2019 7:40	28.18	98.3	7.06	6.7	SR13	7/26/2019 13:40	28.87	119.1	8.51	6.3	SR13	7/26/2019 19:40	29.42	148.3	10.48	5.7
SR13	7/26/2019 1:45	28.07	90.3	6.47	6.1	SR13	7/26/2019 7:45	28.28	101.2	7.27	6.7	SR13	7/26/2019 13:45	29.48	128.2	9.08	5.3	SR13	7/26/2019 19:45	29.39	146.5	10.36	7.3
SR13	7/26/2019 1:50	27.92	87.9	6.29	6.5	SR13	7/26/2019 7:50	28.18	98.7	7.08	6.6	SR13	7/26/2019 13:50	29.48	133.3	9.44	6.8	SR13	7/26/2019 19:50	29.37	144.8	10.25	6.3
SR13	7/26/2019 1:55	27.89	87.7	6.27	6.1	SR13	7/26/2019 7:55	28.24	99.2	7.12	6.6	SR13	7/26/2019 13:55	29.34	136.2	9.68	6.5	SR13	7/26/2019 19:55	29.40	144.8	10.25	6.0
SR13	7/26/2019 2:00	27.88	87.5	6.25	6.4	SR13	7/26/2019 8:00	28.35	100.8	7.24	6.2	SR13	7/26/2019 14:00	29.16	129.2	9.18	6.5	SR13	7/26/2019 20:00	29.43	148.2	10.48	6.2
SR13	7/26/2019 2:05	27.79	85.8	6.14	6.5	SR13	7/26/2019 8:05	28.25	99.2	7.12	6.5	SR13	7/26/2019 14:05	29.47	131.8	9.35	6.7	SR13	7/26/2019 20:05	29.48	151.8	10.74	5.5
SR13	7/26/2019 2:10	27.70	84.6	6.04	7.5	SR13	7/26/2019 8:10	28.25	99.4	7.13	6.4	SR13	7/26/2019 14:10	29.04	124.1	8.82	6.2	SR13	7/26/2019 20:10	29.48	150.6	10.65	6.4
SR13	7/26/2019 2:15	27.84	85.1	6.09	6.6	SR13	7/26/2019 8:15	28.27	99.4	7.14	6.3	SR13	7/26/2019 14:15	29.13	125.1	8.89	6.8	SR13	7/26/2019 20:15	29.49	150.7	10.66	6.2
SR13	7/26/2019 2:20	27.84	85.8	6.14	6.7	SR13	7/26/2019 8:20	28.25	98.1	7.05	10.1	SR13	7/26/2019 14:20	29.06	117.7	8.37	6.9	SR13	7/26/2019 20:20	29.47	148.7	10.52	6.4
SR13	7/26/2019 2:25	27.81	85.3	6.11	5.8	SR13	7/26/2019 8:25	28.30	98.7	7.09	7.0	SR13	7/26/2019 14:25	28.89	119.0	8.48	6.5	SR13	7/26/2019 20:25	29.43	147.4	10.43	6.4
SR13	7/26/2019 2:30	27.82	88.6	6.33	6.4	SR13	7/26/2019 8:30	28.35	99.1	7.12	6.8	SR13	7/26/2019 14:30	28.97	119.4	8.50	5.9	SR13	7/26/2019 20:30	29.48	148.1	10.47	5.6
SR13	7/26/2019 2:35	27.78	88.2	6.31	7.0	SR13	7/26/2019 8:35	28.37	99.7	7.17	7.0	SR13	7/26/2019 14:35	28.64	113.0	8.05	6.2	SR13	7/26/2019 20:35	29.47	147.8	10.46	6.3
SR13	7/26/2019 2:40	27.72	88.5	6.32	6.3	SR13	7/26/2019 8:40	28.37	99.4	7.14	6.4	SR13	7/26/2019 14:40	28.82	114.1	8.11	6.4	SR13	7/26/2019 20:40	29.41	147.5	10.45	6.6
SR13	7/26/2019 2:45	27.78	86.8	6.21	6.3	SR13	7/26/2019 8:45	28.35	98.9	7.10	7.0	SR13	7/26/2019 14:45	28.68	113.4	8.09	6.6	SR13	7/26/2019 20:45	29.40	144.9	10.28	5.8
SR13	7/26/2019 2:50	27.76	87.6	6.27	5.7	SR13	7/26/2019 8:50	28.44	99.3	7.14	6.4	SR13	7/26/2019 14:50	28.77	117.1	8.34	7.1	SR13	7/26/2019 20:50	29.39	142.5	10.12	6.2
SR13	7/26/2019 2:55	27.70	84.7	6.05	5.8	SR13	7/26/2019 8:55	28.52	101.0	7.26	7.4	SR13	7/26/2019 14:55	28.77	115.8	8.25	6.5	SR13	7/26/2019 20:55	29.41	141.3	10.05	6.0
SR13	7/26/2019 3:00	27.63	84.3	6.02	6.8	SR13	7/26/2019 9:00	28.49	101.6	7.31	6.7	SR13	7/26/2019 15:00	28.83	117.0	8.34	6.3	SR13	7/26/2019 21:00	29.43	141.3	10.05	5.8
SR13	7/26/2019 3:05	27.78	87.2	6.24	5.7	SR13	7/26/2019 9:05	28.43	100.8	7.25	7.0	SR13	7/26/2019 15:05	28.70	113.6	8.09	6.1	SR13	7/26/2019 21:05	29.40	138.7	9.86	6.2
SR13	7/26/2019 3:10	27.73	85.6	6.12	6.3	SR13	7/26/2019 9:10	28.52	105.4	7.57	6.9	SR13	7/26/2019 15:10	28.93	116.1	8.26	6.3	SR13	7/26/2019 21:10	29.37	136.0	9.68	6.6
SR13	7/26/2019 3:15	27.80	86.0	6.14	5.9	SR13	7/26/2019 9:15	28.50	103.1	7.41	6.6	SR13	7/26/2019 15:15	28.72	112.8	8.03	6.3	SR13	7/26/2019 21:15	29.42	138.4	9.84	5.8
SR13	7/26/2019 3:20	27.86	86.8	6.21	6.1	SR13	7/26/2019 9:20	28.61	104.0	7.46	6.3	SR13	7/26/2019 15:20	28.66	111.4	7.92	5.3	SR13	7/26/2019 21:20	29.38	136.6	9.72	6.1
SR13	7/26/2019 3:25	27.81	87.4	6.24	5.9	SR13	7/26/2019 9:25	28.54	103.2	7.41	6.6	SR13	7/26/2019 15:25	28.60	111.9	7.96	6.7	SR13	7/26/2019 21:25	29.40	137.2	9.77	6.9
SR13	7/26/2019 3:30	27.85	86.4	6.18	5.7	SR13	7/26/2019 9:30	28.54	104.1	7.48	6.9	SR13	7/26/2019 15:30	28.45	110.0	7.83	6.7	SR13	7/26/2019 21:30	29.39	137.0	9.75	6.0
SR13	7/26/2019 3:35	27.74	86.2	6.16	6.4	SR13	7/26/2019 9:35	28.55	105.2	7.55	5.7	SR13	7/26/2019 15:35	28.40	108.8	7.75	6.7	SR13	7/26/2019 21:35	29.48	139.2	9.88	5.9
SR13	7/26/2019 3:40	27.85	86.3	6.18	6.9	SR13	7/26/2019 9:40	28.66	106.1	7.62	8.3	SR13	7/26/2019 15:40	28.39	104.4	7.43	6.2	SR13	7/26/2019 21:40	29.47	138.1	9.81	6.0
SR13	7/26/2019 3:45	27.82	85.8	6.14	5.7	SR13	7/26/2019 9:45	28.60	104.9	7.53	7.2	SR13	7/26/2019 15:45	28.45	107.7	7.67	5.2	SR13	7/26/2019 21:45	29.46	137.5	9.77	5.9
SR13	7/26/2019 3:5																						

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	7/26/2019 0:17	0.15				SR12	7/26/2019 0:17	0.17			
SR4	7/26/2019 0:37	0.17				SR12	7/26/2019 0:37	0.15			
SR4	7/26/2019 0:57	0.18				SR12	7/26/2019 0:57	0.17			
SR4	7/26/2019 1:17	0.17				SR12	7/26/2019 1:17	0.15			
SR4	7/26/2019 1:37	0.17				SR12	7/26/2019 1:37	0.15			
SR4	7/26/2019 1:57	0.15				SR12	7/26/2019 1:57	0.15			
SR4	7/26/2019 2:17	0.18				SR12	7/26/2019 2:17	0.16			
SR4	7/26/2019 2:37	0.17				SR12	7/26/2019 2:37	0.18			
SR4	7/26/2019 2:57	0.18				SR12	7/26/2019 2:57	0.15			
SR4	7/26/2019 3:17	0.15				SR12	7/26/2019 3:17	0.18			
SR4	7/26/2019 3:37	0.16				SR12	7/26/2019 3:37	0.16			
SR4	7/26/2019 3:57	0.16				SR12	7/26/2019 3:57	0.17			
SR4	7/26/2019 4:17	0.18				SR12	7/26/2019 4:17	0.18			
SR4	7/26/2019 4:37	0.16				SR12	7/26/2019 4:37	0.16			
SR4	7/26/2019 4:57	0.15				SR12	7/26/2019 4:57	0.15			
SR4	7/26/2019 5:17	0.17				SR12	7/26/2019 5:17	0.17			
SR4	7/26/2019 5:37	0.18				SR12	7/26/2019 5:37	0.15			
SR4	7/26/2019 5:57	0.17				SR12	7/26/2019 5:57	0.15			
SR4						SR12					
SR4	7/26/2019 6:37	0.18				SR12	7/26/2019 6:37	0.18			
SR4	7/26/2019 6:57	0.17				SR12	7/26/2019 6:57	0.18			
SR4	7/26/2019 7:17	0.18				SR12	7/26/2019 7:17	0.19			
SR4	7/26/2019 7:37	0.19				SR12	7/26/2019 7:37	0.19			
SR4	7/26/2019 7:57	0.17				SR12	7/26/2019 7:57	0.19			
SR4	7/26/2019 8:17	0.17				SR12	7/26/2019 8:17	0.19			
SR4	7/26/2019 8:37	0.18				SR12	7/26/2019 8:37	0.17			
SR4	7/26/2019 8:57	0.16				SR12	7/26/2019 8:57	0.19			
SR4	7/26/2019 9:17	0.16				SR12	7/26/2019 9:17	0.17			
SR4	7/26/2019 9:37	0.18				SR12	7/26/2019 9:37	0.16			
SR4	7/26/2019 9:57	0.18				SR12	7/26/2019 9:57	0.16			
SR4	7/26/2019 10:17	0.18				SR12	7/26/2019 10:17	0.16			
SR4	7/26/2019 10:37	0.16				SR12	7/26/2019 10:37	0.19			
SR4	7/26/2019 10:57	0.19				SR12	7/26/2019 10:57	0.19			
SR4	7/26/2019 11:17	0.17				SR12	7/26/2019 11:17	0.19			
SR4	7/26/2019 11:37	0.18				SR12	7/26/2019 11:37	0.19			
SR4	7/26/2019 11:57	0.17				SR12	7/26/2019 11:57	0.18			
SR4	7/26/2019 12:17	0.16				SR12	7/26/2019 12:17	0.18			
SR4	7/26/2019 12:37	0.18				SR12	7/26/2019 12:37	0.19			
SR4	7/26/2019 12:57	0.19				SR12	7/26/2019 12:57	0.17			
SR4	7/26/2019 13:17	0.17				SR12	7/26/2019 13:17	0.17			
SR4	7/26/2019 13:37	0.17				SR12	7/26/2019 13:37	0.19			
SR4	7/26/2019 13:57	0.19				SR12	7/26/2019 13:57	0.16			
SR4	7/26/2019 14:17	0.16				SR12	7/26/2019 14:17	0.18			
SR4	7/26/2019 14:37	0.19				SR12	7/26/2019 14:37	0.17			
SR4	7/26/2019 14:57	0.16				SR12	7/26/2019 14:57	0.19			
SR4	7/26/2019 15:17	0.16				SR12	7/26/2019 15:17	0.19			
SR4	7/26/2019 15:37	0.17				SR12	7/26/2019 15:37	0.16			
SR4	7/26/2019 15:57	0.18				SR12	7/26/2019 15:57	0.17			
SR4	7/26/2019 16:17	0.18				SR12	7/26/2019 16:17	0.18			
SR4	7/26/2019 16:37	0.17				SR12	7/26/2019 16:37	0.18			
SR4	7/26/2019 16:57	0.18				SR12	7/26/2019 16:57	0.18			
SR4	7/26/2019 17:17	0.16				SR12	7/26/2019 17:17	0.17			
SR4	7/26/2019 17:37	0.16				SR12	7/26/2019 17:37	0.18			
SR4	7/26/2019 17:57	0.16				SR12	7/26/2019 17:57	0.17			
SR4	7/26/2019 18:17	0.16				SR12	7/26/2019 18:17	0.18			
SR4	7/26/2019 18:37	0.18				SR12	7/26/2019 18:37	0.16			
SR4	7/26/2019 18:57	0.17				SR12	7/26/2019 18:57	0.18			
SR4	7/26/2019 19:17	0.16				SR12	7/26/2019 19:17	0.16			
SR4	7/26/2019 19:37	0.18				SR12	7/26/2019 19:37	0.16			
SR4	7/26/2019 19:57	0.18				SR12	7/26/2019 19:57	0.17			
SR4	7/26/2019 20:17	0.16				SR12	7/26/2019 20:17	0.17			
SR4	7/26/2019 20:37	0.16				SR12	7/26/2019 20:37	0.16			
SR4	7/26/2019 20:57	0.18				SR12	7/26/2019 20:57	0.17			
SR4	7/26/2019 21:17	0.17				SR12	7/26/2019 21:17	0.18			
SR4	7/26/2019 21:37	0.18				SR12	7/26/2019 21:37	0.18			
SR4	7/26/2019 21:57	0.16				SR12	7/26/2019 21:57	0.16			
SR4	7/26/2019 22:17	0.18				SR12	7/26/2019 22:17	0.17			
SR4	7/26/2019 22:37	0.17				SR12	7/26/2019 22:37	0.17			
SR4	7/26/2019 22:57	0.17				SR12	7/26/2019 22:57	0.18			
SR4	7/26/2019 23:17	0.18				SR12	7/26/2019 23:17	0.17			
SR4	7/26/2019 23:37	0.16				SR12	7/26/2019 23:37	0.18			
SR4	7/26/2019 23:57	0.18				SR12	7/26/2019 23:57	0.18			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	7/27/2019 0:01	29.26	108.1	7.70	8.0	SR4	7/27/2019 6:01	28.82	85.0	8.29	8.1	SR4	7/27/2019 12:01	29.18	115.0	8.37	8.0	SR4	7/27/2019 18:01	29.02	104.8	7.62	6.8
SR4	7/27/2019 0:06	29.26	107.7	7.68	7.7	SR4	7/27/2019 6:06	28.78	84.1	8.22	7.6	SR4	7/27/2019 12:06	29.20	114.1	8.32	7.2	SR4	7/27/2019 18:06	28.98	104.6	7.60	6.4
SR4	7/27/2019 0:11	29.27	107.1	7.63	8.0	SR4	7/27/2019 6:11	28.79	81.9	8.07	8.0	SR4	7/27/2019 12:11	29.17	112.3	8.19	6.9	SR4	7/27/2019 18:11	28.98	105.6	7.68	6.9
SR4	7/27/2019 0:16	29.26	106.8	7.61	7.6	SR4	7/27/2019 6:16	28.77	82.0	8.08	7.2	SR4	7/27/2019 12:16	29.14	112.9	8.24	7.9	SR4	7/27/2019 18:16	29.01	105.3	7.66	7.2
SR4	7/27/2019 0:21	29.27	107.0	7.63	8.3	SR4	7/27/2019 6:21	28.72	81.0	8.01	8.1	SR4	7/27/2019 12:21	29.12	113.7	8.29	7.7	SR4	7/27/2019 18:21	28.98	103.0	7.49	7.0
SR4	7/27/2019 0:26	29.25	106.8	7.63	8.0	SR4	7/27/2019 6:26	28.67	82.9	8.15	8.3	SR4	7/27/2019 12:26	29.13	113.1	8.25	7.8	SR4	7/27/2019 18:26	28.96	105.5	7.67	5.7
SR4	7/27/2019 0:31	29.19	105.7	7.53	7.8	SR4	7/27/2019 6:31	28.75	87.8	8.50	7.4	SR4	7/27/2019 12:31	29.09	110.4	8.00	8.0	SR4	7/27/2019 18:31	28.98	105.7	7.69	6.9
SR4	7/27/2019 0:36	29.22	105.7	7.54	7.4	SR4	7/27/2019 6:36	28.79	89.0	8.58	8.4	SR4	7/27/2019 12:36	29.10	112.8	8.22	7.2	SR4	7/27/2019 18:36	28.96	105.6	7.68	7.6
SR4	7/27/2019 0:41	29.20	104.2	7.43	7.8	SR4	7/27/2019 6:41	28.91	92.7	8.85	7.5	SR4	7/27/2019 12:41	29.09	113.5	8.27	7.0	SR4	7/27/2019 18:41	28.93	104.5	7.60	6.8
SR4	7/27/2019 0:46	29.11	103.8	7.38	7.9	SR4	7/27/2019 6:46	28.94	95.8	7.07	8.0	SR4	7/27/2019 12:46	29.10	112.8	8.21	7.3	SR4	7/27/2019 18:46	28.92	105.1	7.64	6.2
SR4	7/27/2019 0:51	29.19	105.0	7.48	8.0	SR4	7/27/2019 6:51	28.97	95.3	7.03	7.7	SR4	7/27/2019 12:51	29.09	113.4	8.26	7.7	SR4	7/27/2019 18:51	28.87	100.6	7.31	6.7
SR4	7/27/2019 0:56	29.08	101.6	7.42	8.3	SR4	7/27/2019 6:56	28.98	97.0	7.16	7.0	SR4	7/27/2019 12:56	29.11	113.8	8.28	7.1	SR4	7/27/2019 18:56	28.84	101.8	7.42	6.8
SR4	7/27/2019 1:01	29.06	102.3	7.47	7.4	SR4	7/27/2019 7:01	28.98	98.2	7.25	7.9	SR4	7/27/2019 13:01	29.30	114.0	8.29	7.7	SR4	7/27/2019 19:01	28.92	104.8	7.61	7.0
SR4	7/27/2019 1:06	29.11	105.3	7.68	8.4	SR4	7/27/2019 7:06	28.97	85.5	6.12	7.7	SR4	7/27/2019 13:06	29.48	114.1	8.30	7.8	SR4	7/27/2019 19:06	28.91	105.6	7.66	7.0
SR4	7/27/2019 1:11	29.07	103.0	7.53	7.5	SR4	7/27/2019 7:11	28.94	80.4	5.76	7.4	SR4	7/27/2019 13:11	29.47	113.6	8.27	7.6	SR4	7/27/2019 19:11	28.84	109.2	7.91	5.7
SR4	7/27/2019 1:16	29.14	104.7	7.65	8.1	SR4	7/27/2019 7:16	28.94	82.7	5.93	7.3	SR4	7/27/2019 13:16	29.48	113.5	8.26	7.5	SR4	7/27/2019 19:16	28.94	108.1	7.83	6.7
SR4	7/27/2019 1:21	29.08	101.7	7.44	8.1	SR4	7/27/2019 7:21	28.92	83.0	5.95	7.8	SR4	7/27/2019 13:21	29.47	114.6	8.34	7.2	SR4	7/27/2019 19:21	28.97	110.8	8.02	6.4
SR4	7/27/2019 1:26	29.14	103.8	7.58	8.3	SR4	7/27/2019 7:26	28.95	81.8	5.86	8.8	SR4	7/27/2019 13:26	29.47	114.7	8.34	7.0	SR4	7/27/2019 19:26	29.01	110.5	8.00	6.8
SR4	7/27/2019 1:31	29.12	104.9	7.68	8.4	SR4	7/27/2019 7:31	28.99	95.2	7.04	8.1	SR4	7/27/2019 13:31	29.48	114.0	8.29	7.8	SR4	7/27/2019 19:31	29.00	111.0	8.03	7.8
SR4	7/27/2019 1:36	29.05	103.0	7.53	9.0	SR4	7/27/2019 7:36	29.06	96.7	7.15	7.7	SR4	7/27/2019 13:36	29.12	115.4	8.39	7.5	SR4	7/27/2019 19:36	28.94	111.5	8.06	7.3
SR4	7/27/2019 1:41	29.09	103.4	7.56	8.8	SR4	7/27/2019 7:41	29.08	96.3	7.13	7.7	SR4	7/27/2019 13:41	29.14	115.0	8.37	7.9	SR4	7/27/2019 19:41	29.02	111.5	8.06	7.1
SR4	7/27/2019 1:46	29.10	107.1	7.84	8.8	SR4	7/27/2019 7:46	29.07	96.0	7.10	7.7	SR4	7/27/2019 13:46	29.15	115.3	8.39	7.3	SR4	7/27/2019 19:46	29.03	115.0	8.31	7.1
SR4	7/27/2019 1:51	29.08	104.4	7.64	9.5	SR4	7/27/2019 7:51	29.08	96.4	7.13	7.4	SR4	7/27/2019 13:51	29.34	115.6	8.40	7.0	SR4	7/27/2019 19:51	29.08	123.2	8.87	6.4
SR4	7/27/2019 1:56	29.07	105.8	7.74	8.4	SR4	7/27/2019 7:56	29.10	96.3	7.14	7.8	SR4	7/27/2019 13:56	29.30	116.1	8.43	7.3	SR4	7/27/2019 19:56	29.16	123.7	8.91	6.8
SR4	7/27/2019 2:01	29.03	103.5	7.59	8.0	SR4	7/27/2019 8:01	29.09	96.4	7.13	7.7	SR4	7/27/2019 14:01	29.24	116.2	8.43	7.2	SR4	7/27/2019 20:01	29.14	124.2	8.97	6.7
SR4	7/27/2019 2:06	29.02	102.9	7.54	8.2	SR4	7/27/2019 8:06	29.08	97.1	7.19	8.1	SR4	7/27/2019 14:06	29.19	116.8	8.47	7.4	SR4	7/27/2019 20:06	29.19	122.5	8.84	6.9
SR4	7/27/2019 2:11	29.03	102.8	7.54	8.5	SR4	7/27/2019 8:11	29.09	96.4	7.16	7.9	SR4	7/27/2019 14:11	29.22	118.0	8.57	7.5	SR4	7/27/2019 20:11	29.09	121.2	8.74	7.0
SR4	7/27/2019 2:16	29.05	103.2	7.56	9.4	SR4	7/27/2019 8:16	29.04	95.4	7.08	7.8	SR4	7/27/2019 14:16	29.19	117.5	8.54	7.2	SR4	7/27/2019 20:16	29.03	121.5	8.77	7.4
SR4	7/27/2019 2:21	29.04	103.2	7.55	8.5	SR4	7/27/2019 8:21	29.04	96.3	7.15	8.2	SR4	7/27/2019 14:21	29.23	116.2	8.44	7.7	SR4	7/27/2019 20:21	29.04	122.7	8.87	7.0
SR4	7/27/2019 2:26	29.06	103.1	7.56	14.4	SR4	7/27/2019 8:26	29.08	99.2	7.38	8.0	SR4	7/27/2019 14:26	29.16	115.5	8.39	6.9	SR4	7/27/2019 20:26	29.07	125.8	9.09	6.9
SR4	7/27/2019 2:31	29.06	102.8	7.53	8.0	SR4	7/27/2019 8:31	29.14	96.4	7.17	7.8	SR4	7/27/2019 14:31	29.17	117.0	8.50	6.6	SR4	7/27/2019 20:31	29.17	124.9	9.03	7.4
SR4	7/27/2019 2:36	29.05	102.1	7.48	9.4	SR4	7/27/2019 8:36	29.18	96.5	7.18	7.9	SR4	7/27/2019 14:36	29.13	115.6	8.40	7.0	SR4	7/27/2019 20:36	29.05	113.6	8.08	6.6
SR4	7/27/2019 2:41	29.07	100.3	7.37	8.4	SR4	7/27/2019 8:41	29.19	96.1	7.14	7.2	SR4	7/27/2019 14:41	29.15	115.9	8.44	6.4	SR4	7/27/2019 20:41	29.04	99.7	7.10	7.2
SR4	7/27/2019 2:46	29.07	101.1	7.43	8.4	SR4	7/27/2019 8:46	29.18	96.9	7.20	7.0	SR4	7/27/2019 14:46	29.13	118.7	8.62	7.4	SR4	7/27/2019 20:46	29.04	95.9	6.83	7.6
SR4	7/27/2019 2:51	29.08	100.1	7.36	8.3	SR4	7/27/2019 8:51	29.17	97.8	7.25	7.1	SR4	7/27/2019 14:51	29.15	117.3	8.53	6.1	SR4	7/27/2019 20:51	29.11	104.8	7.45	6.7
SR4	7/27/2019 2:56	29.15	102.4	7.53	8.6	SR4	7/27/2019 8:56	29.18	97.4	7.23	6.8	SR4	7/27/2019 14:56	29.17	119.0	8.65	6.7	SR4	7/27/2019 20:56	29.11	101.0	7.20	5.9
SR4	7/27/2019 3:01	29.02	98.7	7.24	7.6	SR4	7/27/2019 9:01	29.20	98.7	7.33	7.2	SR4	7/27/2019 15:01	29.15	115.8	8.42	6.8	SR4	7/27/2019 21:01	29.10	97.0	6.91	6.8
SR4	7/27/2019 3:06	29.06	98.0	7.21	8.0	SR4	7/27/2019 9:06	29.24	99.8	7.41	6.8	SR4	7/27/2019 15:06	29.19	114.9	8.36	6.9	SR4	7/27/2019 21:06	29.08	122.2	8.84	6.3
SR4	7/27/2019 3:11	29.06	98.0	7.20	8.2	SR4	7/27/2019 9:11	29.23	100.0	7.41	7.0	SR4	7/27/2019 15:11	29.11	114.7	8.35	8.0	SR4	7/27/2019 21:11	29.13	120.9	8.75	6.5
SR4	7/27/2019 3:16	29.03	100.7	7.39	8.6	SR4	7/27/2019 9:16	29.30	101.3	7.50	6.3	SR4	7/27/2019 15:16	29.10	117.7	8.56	7.3	SR4	7/27/2019 21:16	29.14	118.1	8.55	6.1
SR4	7/27/2019 3:21	29.07	94.9	6.99	8.2	SR4	7/27/2019 9:21	29.31	99.8	7.39	6.5	SR4	7/27/2019 15:21	29.18	109.5	7.98	6.6	SR4	7/27/2019 21:21	29.14	119.2	8.64	6.3
SR4	7/27/2019 3:26	28.93	94.0	6.91	9.0	SR4	7/27/2019 9:26	29.35	101.0	7.49	7.2	SR4	7/27/2019 15:26	29.06	107.4	7.83	6.5	SR4	7/27/2019 21:26	29.12	119.2	8.63	7.3
SR4	7/27/2019 3:31	28.91	91.8	6.76	8.6	SR4	7/27/2019 9:31	29.40	105.5	7.81	7.6	SR4	7/27/2019 15:31	29.07	115.2	8.39	6.7	SR4	7/27/2019 21:31	29.13	120.1	8.70	6.9
SR4	7/27/2019 3:36	28.87	90.2	6.64	18.5	SR4	7/27/2019 9:36	29.37	103.5	7.66	6.7	SR4	7/27/2019 15:36	29.07	114.7	8.35	6.3	SR4	7/27/2019 21:36	29.14	120.4	8.73	6.7
SR4	7/27/2019 3:41	28.86	90.7	6.68	8.1	SR4	7/27/2019 9:41	29.39	105.0	7.78	6.9	SR4	7/27/2019 15:41	29.13	120.7	8.77	6.6	SR4	7/27/2019 21:41	29.12	119.1	8.63	6.1
SR4	7/27/2019 3:46	28.87	90.1	6.63	7.7	SR4	7/27/2019 9:46	29.36	102.4	7.58	6.6	SR4	7/27/2019 15:46	29.18	122.7	8.91	6.1	SR4	7/27/2019 21:46	29.13	118.8	8.62	7.6
SR4	7/27/2019 3:51	28.88	89.2	6.56	7.9	SR4	7/27/2019 9:51	29.39	104.3	7.72	6.9	SR4	7/27/2019 15:51	29.22	116.7	8.48	7.2	SR4	7/27/2019 21:5				

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	7/27/2019 0:00	29.38	158.4	11.14	6.1	SR5	7/27/2019 6:00	28.50	130.5	9.13	7.3	SR5	7/27/2019 12:00	30.12	173.8	12.25	6.2	SR5	7/27/2019 18:00	27.66	122.4	8.47	7.2
SR5	7/27/2019 0:05	29.50	160.0	11.26	6.1	SR5	7/27/2019 6:05	28.59	131.5	9.22	6.8	SR5	7/27/2019 12:05	30.17	174.6	12.30	7.0	SR5	7/27/2019 18:05	28.10	122.6	8.51	5.5
SR5	7/27/2019 0:10	29.84	168.5	11.84	6.3	SR5	7/27/2019 6:10	28.51	128.7	9.01	7.4	SR5	7/27/2019 12:10	30.12	175.3	12.36	7.4	SR5	7/27/2019 18:10	28.17	131.6	9.12	6.8
SR5	7/27/2019 0:15	29.64	161.1	11.33	5.7	SR5	7/27/2019 6:15	28.39	126.4	8.84	6.7	SR5	7/27/2019 12:15	30.13	176.5	12.43	6.5	SR5	7/27/2019 18:15	27.82	134.6	9.31	6.0
SR5	7/27/2019 0:20	29.85	167.0	11.75	5.4	SR5	7/27/2019 6:20	28.43	126.6	8.85	7.6	SR5	7/27/2019 12:20	30.15	176.4	12.36	7.7	SR5	7/27/2019 18:20	28.15	143.5	9.93	7.3
SR5	7/27/2019 0:25	29.45	157.8	11.09	5.7	SR5	7/27/2019 6:25	28.34	124.2	8.68	7.5	SR5	7/27/2019 12:25	30.05	175.1	12.35	7.7	SR5	7/27/2019 18:25	28.10	142.3	9.82	6.8
SR5	7/27/2019 0:30	29.86	162.5	11.42	5.8	SR5	7/27/2019 6:30	28.36	123.5	8.64	6.6	SR5	7/27/2019 12:30	30.10	177.9	12.54	6.9	SR5	7/27/2019 18:30	28.29	153.1	10.58	6.2
SR5	7/27/2019 0:35	29.87	165.5	11.65	5.6	SR5	7/27/2019 6:35	28.37	123.2	8.63	7.3	SR5	7/27/2019 12:35	30.16	176.8	12.45	6.5	SR5	7/27/2019 18:35	28.33	149.9	10.36	6.6
SR5	7/27/2019 0:40	29.48	159.8	11.24	5.3	SR5	7/27/2019 6:40	28.60	128.1	8.99	6.3	SR5	7/27/2019 12:40	30.12	175.1	12.33	7.6	SR5	7/27/2019 18:40	28.22	151.8	10.50	7.1
SR5	7/27/2019 0:45	29.79	160.8	11.31	7.3	SR5	7/27/2019 6:45	28.64	126.9	8.93	7.4	SR5	7/27/2019 12:45	30.22	178.5	12.55	6.2	SR5	7/27/2019 18:45	28.49	155.6	10.77	6.8
SR5	7/27/2019 0:50	29.90	169.2	11.92	6.5	SR5	7/27/2019 6:50	28.59	126.4	8.88	7.4	SR5	7/27/2019 12:50	30.16	176.7	12.43	6.1	SR5	7/27/2019 18:50	28.57	157.3	10.87	6.4
SR5	7/27/2019 0:55	29.84	162.8	11.45	7.0	SR5	7/27/2019 6:55	28.61	127.4	8.95	5.9	SR5	7/27/2019 12:55	30.15	177.3	12.48	6.0	SR5	7/27/2019 18:55	28.93	169.5	11.74	6.3
SR5	7/27/2019 1:00	29.85	166.2	11.71	6.4	SR5	7/27/2019 7:00	28.65	128.0	9.01	7.6	SR5	7/27/2019 13:00	30.32	178.7	12.55	7.7	SR5	7/27/2019 19:00	29.30	193.0	13.34	5.4
SR5	7/27/2019 1:05	29.73	159.1	11.21	6.5	SR5	7/27/2019 7:05	28.62	127.3	8.95	7.5	SR5	7/27/2019 13:05	30.28	180.5	12.68	7.7	SR5	7/27/2019 19:05	29.23	192.4	13.31	5.7
SR5	7/27/2019 1:10	29.60	157.6	11.09	6.8	SR5	7/27/2019 7:10	28.64	127.5	8.97	7.2	SR5	7/27/2019 13:10	30.30	180.6	12.68	7.3	SR5	7/27/2019 19:10	29.53	192.7	13.40	4.7
SR5	7/27/2019 1:15	29.67	157.8	11.11	6.2	SR5	7/27/2019 7:15	28.85	128.3	9.10	7.3	SR5	7/27/2019 13:15	30.35	181.9	12.76	6.3	SR5	7/27/2019 19:15	29.37	189.5	13.16	6.4
SR5	7/27/2019 1:20	29.71	159.3	11.21	7.4	SR5	7/27/2019 7:20	28.74	127.1	8.98	6.5	SR5	7/27/2019 13:20	30.20	183.4	12.89	7.6	SR5	7/27/2019 19:20	29.30	187.7	13.03	5.4
SR5	7/27/2019 1:25	29.47	157.6	11.09	6.7	SR5	7/27/2019 7:25	28.89	128.1	9.07	7.8	SR5	7/27/2019 13:25	30.15	182.4	12.83	7.6	SR5	7/27/2019 19:25	29.34	187.9	13.06	5.5
SR5	7/27/2019 1:30	29.62	156.5	11.00	6.3	SR5	7/27/2019 7:30	28.93	128.1	9.08	8.0	SR5	7/27/2019 13:30	30.18	184.2	12.95	7.9	SR5	7/27/2019 19:30	29.51	190.1	13.24	5.8
SR5	7/27/2019 1:35	29.44	156.2	10.99	8.3	SR5	7/27/2019 7:35	29.02	128.6	9.13	5.8	SR5	7/27/2019 13:35	30.10	181.5	12.77	7.8	SR5	7/27/2019 19:35	29.80	197.8	13.78	6.2
SR5	7/27/2019 1:40	29.38	153.0	10.75	7.7	SR5	7/27/2019 7:40	29.00	128.5	9.12	7.9	SR5	7/27/2019 13:40	30.08	181.8	12.79	7.8	SR5	7/27/2019 19:40	29.68	193.7	13.49	5.2
SR5	7/27/2019 1:45	29.42	147.4	10.37	7.6	SR5	7/27/2019 7:45	29.00	128.2	9.09	7.0	SR5	7/27/2019 13:45	30.06	176.8	12.44	6.2	SR5	7/27/2019 19:45	29.62	192.3	13.39	6.4
SR5	7/27/2019 1:50	29.46	148.7	10.47	8.4	SR5	7/27/2019 7:50	29.08	129.7	9.20	6.8	SR5	7/27/2019 13:50	29.84	175.9	12.40	5.8	SR5	7/27/2019 19:50	29.58	190.6	13.27	5.6
SR5	7/27/2019 1:55	29.47	146.0	10.28	8.0	SR5	7/27/2019 7:55	29.11	134.3	9.50	6.7	SR5	7/27/2019 13:55	29.97	184.0	12.96	6.0	SR5	7/27/2019 19:55	29.56	190.4	13.25	5.2
SR5	7/27/2019 2:00	29.49	150.1	10.57	7.7	SR5	7/27/2019 8:00	29.18	133.6	9.46	6.9	SR5	7/27/2019 14:00	29.95	181.3	12.77	7.4	SR5	7/27/2019 20:00	29.63	189.2	13.18	5.4
SR5	7/27/2019 2:05	28.88	140.2	9.84	8.1	SR5	7/27/2019 8:05	29.26	137.1	9.72	7.9	SR5	7/27/2019 14:05	29.93	183.0	12.90	6.1	SR5	7/27/2019 20:05	29.61	188.9	13.17	5.9
SR5	7/27/2019 2:10	29.36	137.2	9.66	7.6	SR5	7/27/2019 8:10	29.37	142.4	10.10	6.1	SR5	7/27/2019 14:10	29.87	173.9	12.24	6.7	SR5	7/27/2019 20:10	29.64	189.4	13.21	6.0
SR5	7/27/2019 2:15	29.38	137.5	9.64	7.3	SR5	7/27/2019 8:15	29.30	142.5	10.10	6.7	SR5	7/27/2019 14:15	29.46	169.8	11.97	7.0	SR5	7/27/2019 20:15	29.65	189.7	13.23	5.5
SR5	7/27/2019 2:20	29.37	145.4	10.22	6.9	SR5	7/27/2019 8:20	29.35	147.0	10.41	7.6	SR5	7/27/2019 14:20	29.36	168.2	11.83	7.9	SR5	7/27/2019 20:20	29.63	187.6	13.08	6.0
SR5	7/27/2019 2:25	29.34	130.0	9.14	11.1	SR5	7/27/2019 8:25	29.25	143.8	10.18	6.5	SR5	7/27/2019 14:25	29.89	175.5	12.34	6.0	SR5	7/27/2019 20:25	29.66	186.5	13.01	6.0
SR5	7/27/2019 2:30	28.57	127.0	8.90	6.7	SR5	7/27/2019 8:30	29.44	147.2	10.46	7.4	SR5	7/27/2019 14:30	29.06	151.1	10.64	6.0	SR5	7/27/2019 20:30	29.66	186.5	13.02	5.8
SR5	7/27/2019 2:35	28.30	119.0	8.32	7.7	SR5	7/27/2019 8:35	29.74	159.0	11.28	6.9	SR5	7/27/2019 14:35	29.01	145.7	10.24	6.6	SR5	7/27/2019 20:35	29.68	187.4	13.09	5.9
SR5	7/27/2019 2:40	28.09	114.9	8.03	7.9	SR5	7/27/2019 8:40	29.50	152.9	10.83	7.2	SR5	7/27/2019 14:40	29.17	166.0	11.70	5.8	SR5	7/27/2019 20:40	29.70	187.3	13.08	5.7
SR5	7/27/2019 2:45	27.98	114.7	8.00	7.9	SR5	7/27/2019 8:45	29.66	155.1	10.99	6.2	SR5	7/27/2019 14:45	29.28	164.0	11.53	6.1	SR5	7/27/2019 20:45	29.67	186.6	13.03	5.3
SR5	7/27/2019 2:50	27.82	112.5	7.84	6.3	SR5	7/27/2019 8:50	29.44	148.0	10.49	6.5	SR5	7/27/2019 14:50	29.59	180.7	12.68	6.7	SR5	7/27/2019 20:50	29.74	186.7	13.04	5.6
SR5	7/27/2019 2:55	27.78	109.7	7.64	7.2	SR5	7/27/2019 8:55	29.57	153.9	10.90	5.4	SR5	7/27/2019 14:55	29.63	186.1	13.06	7.5	SR5	7/27/2019 20:55	29.74	190.9	13.34	4.7
SR5	7/27/2019 3:00	27.73	107.7	7.50	7.1	SR5	7/27/2019 9:00	29.62	158.1	11.19	7.1	SR5	7/27/2019 15:00	29.15	167.7	11.79	7.1	SR5	7/27/2019 21:00	29.82	193.1	13.50	5.8
SR5	7/27/2019 3:05	27.74	105.9	7.38	7.4	SR5	7/27/2019 9:05	29.56	159.4	11.30	7.1	SR5	7/27/2019 15:05	29.17	164.4	11.56	6.5	SR5	7/27/2019 21:05	29.91	194.6	13.61	4.7
SR5	7/27/2019 3:10	27.78	106.4	7.41	6.2	SR5	7/27/2019 9:10	29.49	157.9	11.19	6.7	SR5	7/27/2019 15:10	29.77	188.8	13.21	6.4	SR5	7/27/2019 21:10	30.08	203.1	14.19	6.1
SR5	7/27/2019 3:15	27.66	105.3	7.34	7.7	SR5	7/27/2019 9:15	29.66	168.8	11.96	6.6	SR5	7/27/2019 15:15	29.81	185.8	12.97	7.2	SR5	7/27/2019 21:15	29.98	197.6	13.81	5.5
SR5	7/27/2019 3:20	27.63	105.9	7.37	7.0	SR5	7/27/2019 9:20	29.72	174.1	12.34	5.8	SR5	7/27/2019 15:20	30.10	192.5	13.38	7.4	SR5	7/27/2019 21:20	30.11	199.5	13.94	5.6
SR5	7/27/2019 3:25	27.62	106.1	7.38	7.9	SR5	7/27/2019 9:25	29.74	174.7	12.41	6.9	SR5	7/27/2019 15:25	30.44	206.4	14.34	5.8	SR5	7/27/2019 21:25	30.10	199.8	13.96	5.2
SR5	7/27/2019 3:30	27.67	106.4	7.41	8.3	SR5	7/27/2019 9:30	29.65	155.1	11.02	7.5	SR5	7/27/2019 15:30	30.49	218.2	15.15	6.2	SR5	7/27/2019 21:30	30.06	198.1	13.85	6.1
SR5	7/27/2019 3:35	27.48	106.0	7.37	13.1	SR5	7/27/2019 9:35	29.51	149.5	10.63	5.4	SR5	7/27/2019 15:35	30.53	214.2	14.87	6.5	SR5	7/27/2019 21:35	30.04	196.1	13.72	6.3
SR5	7/27/2019 3:40	27.51	105.7	7.35	7.9	SR5	7/27/2019 9:40	29.46	148.6	10.55	5.9	SR5	7/27/2019 15:40	30.02	198.9	13.91	5.3	SR5	7/27/2019 21:40	29.98	193.9	13.56	5.0
SR5	7/27/2019 3:45	27.52	105.7	7.34	5.9	SR5	7/27/2019 9:45	29.63	159.1	11.30	5.3	SR5	7/27/2019 15:45	29.78	183.2	13.84	6.0	SR5	7/27/2019 21:45	30.01	194.9	13.63	6.7
SR5	7/27/2019 3:50	2																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	7/27/2019 0:01	28.73	127.4	8.93	7.2	SR12	7/27/2019 6:01	28.04	89.9	8.59	7.3	SR12	7/27/2019 12:01	28.94	136.2	9.81	7.8	SR12	7/27/2019 18:01	28.89	119.6	8.56	7.4
SR12	7/27/2019 0:06	28.71	126.8	8.89	6.7	SR12	7/27/2019 6:06	27.98	88.8	6.50	5.5	SR12	7/27/2019 12:06	28.95	134.1	9.67	6.6	SR12	7/27/2019 18:06	28.83	118.9	8.51	6.7
SR12	7/27/2019 0:11	28.73	126.1	8.84	7.2	SR12	7/27/2019 6:11	27.98	87.6	6.43	6.7	SR12	7/27/2019 12:11	28.89	132.3	9.55	6.4	SR12	7/27/2019 18:11	28.87	120.9	8.66	6.7
SR12	7/27/2019 0:16	28.73	125.7	8.81	6.1	SR12	7/27/2019 6:16	27.94	86.2	6.33	5.4	SR12	7/27/2019 12:16	28.84	133.5	9.64	7.5	SR12	7/27/2019 18:16	28.94	119.7	8.58	6.4
SR12	7/27/2019 0:21	28.73	126.1	8.85	7.2	SR12	7/27/2019 6:21	27.92	84.6	6.21	7.1	SR12	7/27/2019 12:21	28.81	134.8	9.73	7.7	SR12	7/27/2019 18:21	28.87	116.6	8.35	7.1
SR12	7/27/2019 0:26	28.73	125.7	8.84	6.7	SR12	7/27/2019 6:26	27.95	86.3	6.33	7.4	SR12	7/27/2019 12:26	28.82	133.9	9.67	7.9	SR12	7/27/2019 18:26	28.83	120.0	8.60	13.9
SR12	7/27/2019 0:31	28.65	124.4	8.72	6.9	SR12	7/27/2019 6:31	28.18	92.5	6.78	5.8	SR12	7/27/2019 12:31	28.75	129.8	9.29	7.7	SR12	7/27/2019 18:31	28.87	120.5	8.63	7.1
SR12	7/27/2019 0:36	28.73	124.7	8.75	6.2	SR12	7/27/2019 6:36	28.21	94.7	6.93	7.3	SR12	7/27/2019 12:36	28.77	133.5	9.63	6.1	SR12	7/27/2019 18:36	28.82	120.4	8.63	8.0
SR12	7/27/2019 0:41	28.67	122.8	8.61	6.7	SR12	7/27/2019 6:41	28.44	100.7	7.37	5.8	SR12	7/27/2019 12:41	28.75	134.7	9.71	6.9	SR12	7/27/2019 18:41	28.79	118.0	8.45	6.6
SR12	7/27/2019 0:46	28.51	122.2	8.55	6.4	SR12	7/27/2019 6:46	28.51	105.3	7.69	6.2	SR12	7/27/2019 12:46	28.77	134.1	9.66	6.7	SR12	7/27/2019 18:46	28.79	119.6	8.56	6.7
SR12	7/27/2019 0:51	28.65	123.7	8.67	7.1	SR12	7/27/2019 6:51	28.59	106.0	7.74	6.3	SR12	7/27/2019 12:51	28.76	134.9	9.72	8.1	SR12	7/27/2019 18:51	28.69	114.1	8.17	6.6
SR12	7/27/2019 0:56	28.43	118.9	8.59	7.8	SR12	7/27/2019 6:56	28.63	108.2	7.91	5.3	SR12	7/27/2019 12:56	28.81	135.3	9.74	6.9	SR12	7/27/2019 18:56	28.62	116.2	8.34	7.3
SR12	7/27/2019 1:01	28.38	119.8	8.65	6.0	SR12	7/27/2019 7:01	28.66	109.1	7.98	6.2	SR12	7/27/2019 13:01	29.19	135.4	9.75	7.1	SR12	7/27/2019 19:01	28.78	120.3	8.61	6.3
SR12	7/27/2019 1:06	28.45	124.0	8.95	7.2	SR12	7/27/2019 7:06	28.63	89.9	6.29	5.8	SR12	7/27/2019 13:06	29.56	135.7	9.77	7.8	SR12	7/27/2019 19:06	28.76	121.7	8.70	7.4
SR12	7/27/2019 1:11	28.38	120.2	8.69	16.7	SR12	7/27/2019 7:11	28.60	83.7	5.86	5.7	SR12	7/27/2019 13:11	29.56	135.2	9.74	7.0	SR12	7/27/2019 19:11	28.61	126.4	9.03	5.8
SR12	7/27/2019 1:16	28.46	122.7	8.86	7.0	SR12	7/27/2019 7:16	28.62	86.6	6.07	5.6	SR12	7/27/2019 13:16	29.57	135.1	9.74	7.6	SR12	7/27/2019 19:16	28.81	125.1	8.93	7.4
SR12	7/27/2019 1:21	28.33	118.1	8.54	7.2	SR12	7/27/2019 7:21	28.60	87.3	6.11	5.9	SR12	7/27/2019 13:21	29.53	136.5	9.83	6.8	SR12	7/27/2019 19:21	28.87	129.5	9.24	6.7
SR12	7/27/2019 1:26	28.45	121.0	8.74	7.4	SR12	7/27/2019 7:26	28.61	85.0	5.94	6.0	SR12	7/27/2019 13:26	29.55	136.1	9.79	6.5	SR12	7/27/2019 19:26	28.96	128.2	9.15	7.3
SR12	7/27/2019 1:31	28.47	123.0	8.90	8.1	SR12	7/27/2019 7:31	28.61	104.6	7.66	6.0	SR12	7/27/2019 13:31	29.58	135.5	9.76	8.0	SR12	7/27/2019 19:31	28.97	129.2	9.22	7.6
SR12	7/27/2019 1:36	28.34	119.9	8.67	9.4	SR12	7/27/2019 7:36	28.68	107.3	7.86	6.5	SR12	7/27/2019 13:36	28.86	137.0	9.85	7.1	SR12	7/27/2019 19:36	28.87	131.4	9.38	6.7
SR12	7/27/2019 1:41	28.45	120.0	8.68	8.0	SR12	7/27/2019 7:41	28.71	106.6	7.83	5.7	SR12	7/27/2019 13:41	28.93	136.1	9.79	7.8	SR12	7/27/2019 19:41	29.03	131.2	9.36	6.9
SR12	7/27/2019 1:46	28.47	124.5	9.01	7.9	SR12	7/27/2019 7:46	28.70	105.7	7.75	6.4	SR12	7/27/2019 13:46	28.97	136.6	9.83	6.7	SR12	7/27/2019 19:46	29.05	136.9	9.77	7.1
SR12	7/27/2019 1:51	28.45	121.4	8.78	9.7	SR12	7/27/2019 7:51	28.71	106.8	7.83	5.8	SR12	7/27/2019 13:51	29.38	137.0	9.84	6.5	SR12	7/27/2019 19:51	29.14	148.8	10.57	5.9
SR12	7/27/2019 1:56	28.46	123.4	8.93	7.7	SR12	7/27/2019 7:56	28.72	106.9	7.85	6.2	SR12	7/27/2019 13:56	29.32	137.7	9.89	7.4	SR12	7/27/2019 19:56	29.30	149.2	10.61	8.3
SR12	7/27/2019 2:01	28.42	120.0	8.70	7.3	SR12	7/27/2019 8:01	28.71	106.9	7.84	5.7	SR12	7/27/2019 14:01	29.22	138.1	9.91	7.0	SR12	7/27/2019 20:01	29.26	150.2	10.71	8.2
SR12	7/27/2019 2:06	28.37	119.5	8.66	7.2	SR12	7/27/2019 8:06	28.73	107.1	7.86	7.4	SR12	7/27/2019 14:06	29.14	139.2	9.96	7.2	SR12	7/27/2019 20:06	29.37	148.1	10.56	6.4
SR12	7/27/2019 2:11	28.40	119.2	8.65	7.6	SR12	7/27/2019 8:11	28.80	106.8	7.88	6.2	SR12	7/27/2019 14:11	29.20	141.0	10.13	7.4	SR12	7/27/2019 20:11	29.21	146.4	10.43	7.1
SR12	7/27/2019 2:16	28.41	119.8	8.68	9.9	SR12	7/27/2019 8:16	28.80	105.9	7.80	5.8	SR12	7/27/2019 14:16	29.15	140.3	10.09	7.3	SR12	7/27/2019 20:16	29.10	146.8	10.47	6.9
SR12	7/27/2019 2:21	28.33	119.3	8.64	7.4	SR12	7/27/2019 8:21	28.84	106.9	7.88	7.0	SR12	7/27/2019 14:21	29.25	138.6	9.96	15.7	SR12	7/27/2019 20:21	29.14	148.1	10.58	7.4
SR12	7/27/2019 2:26	28.39	119.0	8.62	13.6	SR12	7/27/2019 8:26	28.86	106.8	7.89	6.5	SR12	7/27/2019 14:26	29.11	137.6	9.89	6.6	SR12	7/27/2019 20:26	29.21	152.6	10.90	7.8
SR12	7/27/2019 2:31	28.32	118.4	8.58	7.4	SR12	7/27/2019 8:31	28.89	106.1	7.83	6.9	SR12	7/27/2019 14:31	29.13	139.2	10.01	7.2	SR12	7/27/2019 20:31	29.42	150.2	10.72	7.2
SR12	7/27/2019 2:36	28.31	117.1	8.48	9.7	SR12	7/27/2019 8:36	28.87	106.8	7.88	7.2	SR12	7/27/2019 14:36	29.06	136.9	9.84	8.1	SR12	7/27/2019 20:36	29.19	134.0	9.35	6.5
SR12	7/27/2019 2:41	28.33	114.2	8.30	7.5	SR12	7/27/2019 8:41	28.89	106.3	7.84	6.1	SR12	7/27/2019 14:41	29.09	137.3	9.89	6.9	SR12	7/27/2019 20:41	29.16	114.5	7.98	6.6
SR12	7/27/2019 2:46	28.35	115.0	8.36	7.7	SR12	7/27/2019 8:46	28.90	107.7	7.94	6.1	SR12	7/27/2019 14:46	29.04	141.0	10.14	7.4	SR12	7/27/2019 20:46	29.17	109.0	7.60	7.4
SR12	7/27/2019 2:51	28.37	113.5	8.26	7.0	SR12	7/27/2019 8:51	28.92	109.0	8.02	6.6	SR12	7/27/2019 14:51	29.08	139.3	10.02	6.7	SR12	7/27/2019 20:51	29.31	121.9	8.50	6.4
SR12	7/27/2019 2:56	28.58	116.1	8.45	8.2	SR12	7/27/2019 8:56	28.94	109.8	8.09	6.5	SR12	7/27/2019 14:56	29.12	141.6	10.19	6.9	SR12	7/27/2019 20:56	29.30	115.8	8.08	5.9
SR12	7/27/2019 3:01	28.34	111.1	8.06	6.5	SR12	7/27/2019 9:01	28.97	111.4	8.21	6.8	SR12	7/27/2019 15:01	29.08	137.1	9.87	8.0	SR12	7/27/2019 21:01	29.28	109.2	7.61	6.6
SR12	7/27/2019 3:06	28.47	110.0	8.01	7.2	SR12	7/27/2019 9:06	29.00	114.0	8.39	6.3	SR12	7/27/2019 15:06	29.15	136.2	9.81	6.5	SR12	7/27/2019 21:06	29.22	146.7	10.49	6.6
SR12	7/27/2019 3:11	28.56	110.1	8.01	7.0	SR12	7/27/2019 9:11	28.98	114.2	8.40	6.0	SR12	7/27/2019 15:11	29.00	135.5	9.75	8.4	SR12	7/27/2019 21:11	29.32	144.9	10.36	6.5
SR12	7/27/2019 3:16	28.50	113.8	8.27	8.4	SR12	7/27/2019 9:16	28.98	116.2	8.54	5.4	SR12	7/27/2019 15:16	28.98	139.2	10.01	7.3	SR12	7/27/2019 21:16	29.33	140.5	10.04	6.5
SR12	7/27/2019 3:21	28.55	106.0	7.73	6.9	SR12	7/27/2019 9:21	28.96	114.3	8.40	5.8	SR12	7/27/2019 15:21	29.14	127.5	9.19	7.3	SR12	7/27/2019 21:21	29.32	141.8	10.14	6.7
SR12	7/27/2019 3:26	28.29	104.4	7.60	8.6	SR12	7/27/2019 9:26	29.02	116.1	8.55	6.5	SR12	7/27/2019 15:26	28.91	124.1	8.94	6.5	SR12	7/27/2019 21:26	29.28	142.2	10.17	6.8
SR12	7/27/2019 3:31	28.17	100.8	7.34	7.6	SR12	7/27/2019 9:31	29.13	122.0	8.96	7.0	SR12	7/27/2019 15:31	28.92	135.0	9.72	7.5	SR12	7/27/2019 21:31	29.30	143.8	10.29	6.1
SR12	7/27/2019 3:36	28.08	98.9	7.21	16.1	SR12	7/27/2019 9:36	29.05	118.9	8.74	5.6	SR12	7/27/2019 15:36	28.92	134.2	9.65	7.1	SR12	7/27/2019 21:36	29.31	144.0	10.31	5.9
SR12	7/27/2019 3:41	28.01	98.8	7.20	6.8	SR12	7/27/2019 9:41	29.10	120.3	8.85	5.9	SR12	7/27/2019 15:41	29.05	142.9	10.25	7.2	SR12	7/27/2019 21:41	29.28	142.4	10.19	6.6
SR12	7/27/2019 3:46	27.94	97.8	7.13	6.8	SR12	7/27/2019 9:46	29.02	117.0	8.60	5.2	SR12	7/27/2019 15:46	29.16	145.8	10.46	6.5	SR12	7/27/2019 21:46	29.3			

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	7/27/2019 0:00	29.08	118.5	8.57	6.5	SR13	7/27/2019 6:00	28.91	95.7	8.85	6.6	SR13	7/27/2019 12:00	29.86	131.4	9.49	6.8	SR13	7/27/2019 18:00	28.53	111.5	8.00	6.7
SR13	7/27/2019 0:05	29.17	120.2	8.70	6.6	SR13	7/27/2019 6:05	28.95	95.1	8.81	6.5	SR13	7/27/2019 12:05	29.88	131.7	9.50	7.1	SR13	7/27/2019 18:05	28.72	111.0	7.97	6.4
SR13	7/27/2019 0:10	29.31	124.0	8.96	6.8	SR13	7/27/2019 6:10	28.92	102.1	7.44	6.7	SR13	7/27/2019 12:10	29.88	131.8	9.52	7.8	SR13	7/27/2019 18:10	28.76	114.3	8.19	7.1
SR13	7/27/2019 0:15	29.19	120.1	8.69	7.2	SR13	7/27/2019 6:15	28.90	102.5	7.46	6.5	SR13	7/27/2019 12:15	29.60	132.8	9.58	7.2	SR13	7/27/2019 18:15	28.60	116.1	8.31	6.5
SR13	7/27/2019 0:20	29.30	122.3	8.84	6.7	SR13	7/27/2019 6:20	28.93	102.1	7.44	6.7	SR13	7/27/2019 12:20	29.62	132.0	9.53	7.8	SR13	7/27/2019 18:20	28.78	119.0	8.51	7.0
SR13	7/27/2019 0:25	29.17	120.8	8.74	6.7	SR13	7/27/2019 6:25	28.90	100.9	7.35	6.9	SR13	7/27/2019 12:25	29.62	132.2	9.54	7.4	SR13	7/27/2019 18:25	28.84	120.9	8.64	6.8
SR13	7/27/2019 0:30	29.31	121.2	8.77	7.4	SR13	7/27/2019 6:30	28.91	100.8	7.35	6.4	SR13	7/27/2019 12:30	29.78	133.4	9.62	6.9	SR13	7/27/2019 18:30	28.94	129.4	9.22	6.1
SR13	7/27/2019 0:35	29.32	123.1	8.91	6.6	SR13	7/27/2019 6:35	28.92	100.6	7.34	6.6	SR13	7/27/2019 12:35	29.78	133.4	9.62	7.2	SR13	7/27/2019 18:35	29.02	128.4	9.16	6.4
SR13	7/27/2019 0:40	29.17	119.8	8.68	6.2	SR13	7/27/2019 6:40	28.99	102.1	7.45	6.1	SR13	7/27/2019 12:40	29.74	133.1	9.60	7.4	SR13	7/27/2019 18:40	28.98	129.4	9.25	6.6
SR13	7/27/2019 0:45	29.26	120.0	8.69	6.9	SR13	7/27/2019 6:45	29.01	102.0	7.45	7.3	SR13	7/27/2019 12:45	29.73	134.9	9.71	7.0	SR13	7/27/2019 18:45	29.09	129.9	9.28	6.6
SR13	7/27/2019 0:50	29.32	122.8	8.90	6.8	SR13	7/27/2019 6:50	29.02	101.7	7.44	6.7	SR13	7/27/2019 12:50	29.74	134.9	9.72	7.1	SR13	7/27/2019 18:50	29.08	129.8	9.26	6.7
SR13	7/27/2019 0:55	29.29	120.8	8.75	8.0	SR13	7/27/2019 6:55	29.03	101.8	7.44	6.1	SR13	7/27/2019 12:55	29.71	135.0	9.74	6.9	SR13	7/27/2019 18:55	29.17	134.5	9.60	6.3
SR13	7/27/2019 1:00	29.27	121.8	8.82	6.8	SR13	7/27/2019 7:00	29.05	102.2	7.48	7.2	SR13	7/27/2019 13:00	29.81	134.9	9.71	14.1	SR13	7/27/2019 19:00	29.32	143.2	10.20	6.4
SR13	7/27/2019 1:05	29.26	119.2	8.64	7.7	SR13	7/27/2019 7:05	29.06	101.9	7.46	7.0	SR13	7/27/2019 13:05	29.74	135.2	9.74	7.3	SR13	7/27/2019 19:05	29.29	144.8	10.31	6.6
SR13	7/27/2019 1:10	29.18	118.3	8.58	6.8	SR13	7/27/2019 7:10	29.07	101.7	7.44	7.0	SR13	7/27/2019 13:10	29.76	135.9	9.78	7.6	SR13	7/27/2019 19:10	29.47	143.6	10.26	6.1
SR13	7/27/2019 1:15	29.20	117.9	8.54	7.6	SR13	7/27/2019 7:15	29.14	102.4	7.51	7.2	SR13	7/27/2019 13:15	29.74	135.6	9.75	7.4	SR13	7/27/2019 19:15	29.31	136.0	9.62	6.3
SR13	7/27/2019 1:20	29.22	117.3	8.51	7.0	SR13	7/27/2019 7:20	29.11	101.8	7.46	6.5	SR13	7/27/2019 13:20	29.71	136.4	9.83	7.3	SR13	7/27/2019 19:20	29.25	127.5	9.02	6.1
SR13	7/27/2019 1:25	29.14	117.1	8.50	6.9	SR13	7/27/2019 7:25	29.16	102.7	7.53	7.0	SR13	7/27/2019 13:25	29.66	137.5	9.91	7.6	SR13	7/27/2019 19:25	29.27	125.5	8.89	6.5
SR13	7/27/2019 1:30	29.21	116.0	8.42	6.5	SR13	7/27/2019 7:30	29.19	103.2	7.57	7.2	SR13	7/27/2019 13:30	29.69	137.4	9.90	7.4	SR13	7/27/2019 19:30	29.39	131.3	9.30	6.1
SR13	7/27/2019 1:35	29.23	117.0	8.49	7.8	SR13	7/27/2019 7:35	29.23	103.7	7.61	6.5	SR13	7/27/2019 13:35	29.69	137.4	9.90	7.4	SR13	7/27/2019 19:35	29.49	131.5	9.32	6.1
SR13	7/27/2019 1:40	29.11	113.9	8.26	6.8	SR13	7/27/2019 7:40	29.23	104.4	7.66	7.3	SR13	7/27/2019 13:40	29.66	135.6	9.78	8.1	SR13	7/27/2019 19:40	29.44	127.4	9.03	6.0
SR13	7/27/2019 1:45	29.19	111.5	8.11	7.0	SR13	7/27/2019 7:45	29.25	105.4	7.73	6.8	SR13	7/27/2019 13:45	29.67	133.6	9.64	6.8	SR13	7/27/2019 19:45	29.40	141.8	10.14	6.5
SR13	7/27/2019 1:50	29.23	112.1	8.15	7.3	SR13	7/27/2019 7:50	29.27	105.9	7.76	6.6	SR13	7/27/2019 13:50	29.37	133.0	9.60	7.3	SR13	7/27/2019 19:50	29.42	140.5	10.05	6.1
SR13	7/27/2019 1:55	29.21	113.0	8.21	7.8	SR13	7/27/2019 7:55	29.27	108.2	7.92	6.5	SR13	7/27/2019 13:55	29.42	137.3	9.90	6.9	SR13	7/27/2019 19:55	29.41	138.7	9.91	6.0
SR13	7/27/2019 2:00	29.24	111.4	8.10	7.1	SR13	7/27/2019 8:00	29.29	107.2	7.85	6.6	SR13	7/27/2019 14:00	29.50	131.6	9.50	7.4	SR13	7/27/2019 20:00	29.42	138.6	9.92	6.1
SR13	7/27/2019 2:05	28.93	107.3	7.79	7.9	SR13	7/27/2019 8:05	29.35	109.1	7.99	7.3	SR13	7/27/2019 14:05	29.42	130.9	9.45	6.6	SR13	7/27/2019 20:05	29.39	138.7	9.92	6.3
SR13	7/27/2019 2:10	29.04	104.8	7.62	7.3	SR13	7/27/2019 8:10	29.43	113.3	8.28	7.0	SR13	7/27/2019 14:10	29.40	132.1	9.53	7.3	SR13	7/27/2019 20:10	29.41	139.6	9.99	6.2
SR13	7/27/2019 2:15	29.01	104.3	7.58	12.0	SR13	7/27/2019 8:15	29.37	112.1	8.20	6.6	SR13	7/27/2019 14:15	29.35	130.3	9.41	7.2	SR13	7/27/2019 20:15	29.41	139.7	10.00	5.9
SR13	7/27/2019 2:20	28.99	106.8	7.76	6.7	SR13	7/27/2019 8:20	29.42	114.3	8.35	7.2	SR13	7/27/2019 14:20	29.36	133.4	9.61	7.5	SR13	7/27/2019 20:20	29.37	138.3	9.90	6.2
SR13	7/27/2019 2:25	28.95	101.0	7.36	8.3	SR13	7/27/2019 8:25	29.34	111.8	8.17	6.4	SR13	7/27/2019 14:25	29.57	137.3	9.89	6.7	SR13	7/27/2019 20:25	29.37	137.9	9.88	6.7
SR13	7/27/2019 2:30	28.67	99.4	7.23	7.0	SR13	7/27/2019 8:30	29.43	114.3	8.36	7.1	SR13	7/27/2019 14:30	29.28	125.5	9.06	7.1	SR13	7/27/2019 20:30	29.37	138.5	9.93	6.0
SR13	7/27/2019 2:35	28.56	96.3	7.00	7.2	SR13	7/27/2019 8:35	29.54	119.3	8.71	7.0	SR13	7/27/2019 14:35	29.13	123.3	8.91	7.2	SR13	7/27/2019 20:35	29.41	140.0	10.04	6.2
SR13	7/27/2019 2:40	28.50	94.5	6.88	11.2	SR13	7/27/2019 8:40	29.45	117.4	8.58	7.5	SR13	7/27/2019 14:40	29.17	135.5	9.77	6.5	SR13	7/27/2019 20:40	29.45	139.9	10.02	6.2
SR13	7/27/2019 2:45	28.46	94.7	6.89	7.1	SR13	7/27/2019 8:45	29.50	117.8	8.60	6.6	SR13	7/27/2019 14:45	29.26	133.7	9.62	7.1	SR13	7/27/2019 20:45	29.47	141.5	10.13	6.4
SR13	7/27/2019 2:50	28.42	93.7	6.82	6.7	SR13	7/27/2019 8:50	29.45	117.2	8.56	6.9	SR13	7/27/2019 14:50	29.35	141.1	10.13	7.5	SR13	7/27/2019 20:50	29.46	140.2	10.04	6.8
SR13	7/27/2019 2:55	28.42	92.9	6.76	6.8	SR13	7/27/2019 8:55	29.50	120.7	8.81	6.6	SR13	7/27/2019 14:55	29.37	145.8	10.45	7.4	SR13	7/27/2019 20:55	29.44	141.5	10.13	5.8
SR13	7/27/2019 3:00	28.42	92.3	6.71	7.0	SR13	7/27/2019 9:00	29.52	122.0	8.90	7.5	SR13	7/27/2019 15:00	29.28	141.7	10.17	7.1	SR13	7/27/2019 21:00	29.46	141.9	10.16	6.0
SR13	7/27/2019 3:05	28.44	91.9	6.69	7.4	SR13	7/27/2019 9:05	29.49	118.4	8.65	7.3	SR13	7/27/2019 15:05	29.41	139.7	10.03	7.0	SR13	7/27/2019 21:05	29.50	142.2	10.19	6.1
SR13	7/27/2019 3:10	28.44	92.2	6.71	6.3	SR13	7/27/2019 9:10	29.44	116.7	8.54	7.6	SR13	7/27/2019 15:10	29.63	143.8	10.31	7.0	SR13	7/27/2019 21:10	29.56	145.5	10.42	6.5
SR13	7/27/2019 3:15	28.39	91.8	6.68	7.6	SR13	7/27/2019 9:15	29.49	120.7	8.82	7.1	SR13	7/27/2019 15:15	29.56	140.1	10.05	6.8	SR13	7/27/2019 21:15	29.52	143.1	10.25	6.5
SR13	7/27/2019 3:20	28.39	92.1	6.71	7.2	SR13	7/27/2019 9:20	29.54	124.7	9.10	7.0	SR13	7/27/2019 15:20	29.66	145.3	10.40	7.1	SR13	7/27/2019 21:20	29.58	144.6	10.36	6.3
SR13	7/27/2019 3:25	28.38	91.8	6.68	6.8	SR13	7/27/2019 9:25	29.53	124.1	9.07	7.2	SR13	7/27/2019 15:25	29.81	144.6	10.33	6.5	SR13	7/27/2019 21:25	29.59	144.9	10.38	5.6
SR13	7/27/2019 3:30	28.39	91.9	6.69	6.9	SR13	7/27/2019 9:30	29.49	116.5	8.53	7.4	SR13	7/27/2019 15:30	29.75	150.1	10.71	6.5	SR13	7/27/2019 21:30	29.57	144.2	10.33	6.0
SR13	7/27/2019 3:35	28.31	91.5	6.67	8.7	SR13	7/27/2019 9:35	29.47	115.1	8.43	7.3	SR13	7/27/2019 15:35	29.74	149.7	10.68	7.1	SR13	7/27/2019 21:35	29.56	143.1	10.25	6.4
SR13	7/27/2019 3:40	28.33	91.5	6.66	7.0	SR13	7/27/2019 9:40	29.48	119.2	8.71	6.8	SR13	7/27/2019 15:40	29.55	135.0	9.70	6.4	SR13	7/27/2019 21:40	29.55	142.6	10.22	5.6
SR13	7/27/2019 3:45	28.31	90.9	6.61	6.2	SR13	7/27/2019 9:45	29.56	123.5	9.01	7.2	SR13	7/27/2019 15:45	29.41	126.8	9.14	6.6	SR13	7/27/2019 21:45	29.5			

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	7/27/2019 0:17	0.16				SR12	7/27/2019 0:17	0.16			
SR4	7/27/2019 0:37	0.17				SR12	7/27/2019 0:37	0.18			
SR4	7/27/2019 0:57	0.18				SR12	7/27/2019 0:57	0.17			
SR4	7/27/2019 1:17	0.17				SR12	7/27/2019 1:17	0.16			
SR4	7/27/2019 1:37	0.18				SR12	7/27/2019 1:37	0.17			
SR4	7/27/2019 1:57	0.18				SR12	7/27/2019 1:57	0.17			
SR4	7/27/2019 2:17	0.18				SR12	7/27/2019 2:17	0.18			
SR4	7/27/2019 2:37	0.18				SR12	7/27/2019 2:37	0.18			
SR4	7/27/2019 2:57	0.18				SR12	7/27/2019 2:57	0.17			
SR4	7/27/2019 3:17	0.16				SR12	7/27/2019 3:17	0.16			
SR4	7/27/2019 3:37	0.17				SR12	7/27/2019 3:37	0.16			
SR4	7/27/2019 3:57	0.18				SR12	7/27/2019 3:57	0.17			
SR4	7/27/2019 4:17	0.18				SR12	7/27/2019 4:17	0.17			
SR4	7/27/2019 4:37	0.18				SR12	7/27/2019 4:37	0.17			
SR4	7/27/2019 4:57	0.17				SR12	7/27/2019 4:57	0.17			
SR4	7/27/2019 5:17	0.17				SR12	7/27/2019 5:17	0.16			
SR4	7/27/2019 5:37	0.17				SR12	7/27/2019 5:37	0.17			
SR4	7/27/2019 5:57	0.17				SR12	7/27/2019 5:57	0.16			
SR4						SR12					
SR4	7/27/2019 6:37	0.16				SR12	7/27/2019 6:37	0.16			
SR4	7/27/2019 6:57	0.18				SR12	7/27/2019 6:57	0.18			
SR4	7/27/2019 7:17	0.18				SR12	7/27/2019 7:17	0.16			
SR4	7/27/2019 7:37	0.16				SR12	7/27/2019 7:37	0.18			
SR4	7/27/2019 7:57	0.18				SR12	7/27/2019 7:57	0.18			
SR4	7/27/2019 8:17	0.19				SR12	7/27/2019 8:17	0.17			
SR4	7/27/2019 8:37	0.18				SR12	7/27/2019 8:37	0.17			
SR4	7/27/2019 8:57	0.17				SR12	7/27/2019 8:57	0.18			
SR4	7/27/2019 9:17	0.17				SR12	7/27/2019 9:17	0.17			
SR4	7/27/2019 9:37	0.18				SR12	7/27/2019 9:37	0.18			
SR4	7/27/2019 9:57	0.16				SR12	7/27/2019 9:57	0.16			
SR4	7/27/2019 10:17	0.18				SR12	7/27/2019 10:17	0.18			
SR4	7/27/2019 10:37	0.19				SR12	7/27/2019 10:37	0.19			
SR4	7/27/2019 10:57	0.19				SR12	7/27/2019 10:57	0.17			
SR4	7/27/2019 11:17	0.17				SR12	7/27/2019 11:17	0.18			
SR4	7/27/2019 11:37	0.19				SR12	7/27/2019 11:37	0.18			
SR4	7/27/2019 11:57	0.17				SR12	7/27/2019 11:57	0.19			
SR4	7/27/2019 12:17	0.18				SR12	7/27/2019 12:17	0.18			
SR4	7/27/2019 12:37	0.17				SR12	7/27/2019 12:37	0.19			
SR4	7/27/2019 12:57	0.18				SR12	7/27/2019 12:57	0.19			
SR4	7/27/2019 13:17	0.19				SR12	7/27/2019 13:17	0.19			
SR4	7/27/2019 13:37	0.17				SR12	7/27/2019 13:37	0.19			
SR4	7/27/2019 13:57	0.19				SR12	7/27/2019 13:57	0.19			
SR4	7/27/2019 14:17	0.19				SR12	7/27/2019 14:17	0.19			
SR4	7/27/2019 14:37	0.20				SR12	7/27/2019 14:37	0.20			
SR4	7/27/2019 14:57	0.20				SR12	7/27/2019 14:57	0.20			
SR4	7/27/2019 15:17	0.19				SR12	7/27/2019 15:17	0.18			
SR4	7/27/2019 15:37	0.20				SR12	7/27/2019 15:37	0.18			
SR4	7/27/2019 15:57	0.19				SR12	7/27/2019 15:57	0.18			
SR4	7/27/2019 16:17	0.19				SR12	7/27/2019 16:17	0.20			
SR4	7/27/2019 16:37	0.18				SR12	7/27/2019 16:37	0.19			
SR4	7/27/2019 16:57	0.18				SR12	7/27/2019 16:57	0.19			
SR4	7/27/2019 17:17	0.19				SR12	7/27/2019 17:17	0.18			
SR4	7/27/2019 17:37	0.20				SR12	7/27/2019 17:37	0.20			
SR4	7/27/2019 17:57	0.20				SR12	7/27/2019 17:57	0.19			
SR4	7/27/2019 18:17	0.18				SR12	7/27/2019 18:17	0.18			
SR4	7/27/2019 18:37	0.20				SR12	7/27/2019 18:37	0.18			
SR4	7/27/2019 18:57	0.19				SR12	7/27/2019 18:57	0.20			
SR4	7/27/2019 19:17	0.18				SR12	7/27/2019 19:17	0.19			
SR4	7/27/2019 19:37	0.18				SR12	7/27/2019 19:37	0.19			
SR4	7/27/2019 19:57	0.19				SR12	7/27/2019 19:57	0.20			
SR4	7/27/2019 20:17	0.18				SR12	7/27/2019 20:17	0.20			
SR4	7/27/2019 20:37	0.20				SR12	7/27/2019 20:37	0.20			
SR4	7/27/2019 20:57	0.18				SR12	7/27/2019 20:57	0.20			
SR4	7/27/2019 21:17	0.20				SR12	7/27/2019 21:17	0.18			
SR4	7/27/2019 21:37	0.19				SR12	7/27/2019 21:37	0.20			
SR4	7/27/2019 21:57	0.18				SR12	7/27/2019 21:57	0.19			
SR4	7/27/2019 22:17	0.19				SR12	7/27/2019 22:17	0.20			
SR4	7/27/2019 22:37	0.18				SR12	7/27/2019 22:37	0.20			
SR4	7/27/2019 22:57	0.20				SR12	7/27/2019 22:57	0.18			
SR4	7/27/2019 23:17	0.20				SR12	7/27/2019 23:17	0.19			
SR4	7/27/2019 23:37	0.19				SR12	7/27/2019 23:37	0.20			
SR4	7/27/2019 23:57	0.21				SR12	7/27/2019 23:57	0.19			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	7/28/2019 0:01	29.01	124.9	9.06	7.4	SR4	7/28/2019 6:01	29.02	89.7	8.54	6.5	SR4	7/28/2019 12:01	29.65	104.5	7.63	7.1	SR4	7/28/2019 18:01	29.67	88.1	6.46	7.1
SR4	7/28/2019 0:06	29.02	120.2	8.72	7.0	SR4	7/28/2019 6:06	29.01	90.5	6.59	6.9	SR4	7/28/2019 12:06	29.65	104.1	7.61	7.2	SR4	7/28/2019 18:06	29.59	90.3	6.61	7.1
SR4	7/28/2019 0:11	28.94	119.2	8.65	7.2	SR4	7/28/2019 6:11	28.99	90.4	6.59	7.7	SR4	7/28/2019 12:11	29.68	107.1	7.83	7.2	SR4	7/28/2019 18:11	29.64	87.5	6.41	8.2
SR4	7/28/2019 0:16	28.98	120.8	8.76	7.6	SR4	7/28/2019 6:16	28.99	89.9	6.56	6.6	SR4	7/28/2019 12:16	29.69	105.6	7.72	7.8	SR4	7/28/2019 18:16	29.60	85.5	6.26	6.4
SR4	7/28/2019 0:21	28.90	120.5	8.74	7.0	SR4	7/28/2019 6:21	29.01	89.1	6.51	7.9	SR4	7/28/2019 12:21	29.72	103.8	7.58	12.6	SR4	7/28/2019 18:21	29.61	85.0	6.23	6.8
SR4	7/28/2019 0:26	29.02	117.3	8.52	6.9	SR4	7/28/2019 6:26	29.00	88.1	6.43	6.8	SR4	7/28/2019 12:26	29.73	103.7	7.57	7.7	SR4	7/28/2019 18:26	29.60	84.4	6.19	7.6
SR4	7/28/2019 0:31	28.87	115.1	8.37	6.8	SR4	7/28/2019 6:31	28.99	88.4	6.46	7.3	SR4	7/28/2019 12:31	29.74	104.5	7.63	7.0	SR4	7/28/2019 18:31	29.55	85.5	6.27	6.4
SR4	7/28/2019 0:36	28.93	113.8	8.28	8.0	SR4	7/28/2019 6:36	28.97	85.8	6.27	5.9	SR4	7/28/2019 12:36	29.71	103.7	7.58	7.4	SR4	7/28/2019 18:36	29.53	85.8	6.29	6.9
SR4	7/28/2019 0:41	28.88	112.4	8.18	7.0	SR4	7/28/2019 6:41	28.97	85.2	6.24	6.6	SR4	7/28/2019 12:41	29.75	104.3	7.62	7.1	SR4	7/28/2019 18:41	29.51	85.9	6.28	7.4
SR4	7/28/2019 0:46	28.93	116.5	8.46	7.1	SR4	7/28/2019 6:46	29.02	86.5	6.33	6.1	SR4	7/28/2019 12:46	29.70	106.1	7.75	7.7	SR4	7/28/2019 18:46	29.49	85.8	6.28	7.7
SR4	7/28/2019 0:51	28.95	117.1	8.49	6.4	SR4	7/28/2019 6:51	29.01	84.6	6.19	6.7	SR4	7/28/2019 12:51	29.77	109.0	7.95	7.2	SR4	7/28/2019 18:51	29.50	84.9	6.21	7.5
SR4	7/28/2019 0:56	28.92	116.7	8.46	7.0	SR4	7/28/2019 6:56	28.94	80.6	5.92	6.6	SR4	7/28/2019 12:56	29.72	108.9	7.94	7.0	SR4	7/28/2019 18:56	29.47	84.5	6.19	7.1
SR4	7/28/2019 1:01	28.86	117.2	8.51	7.0	SR4	7/28/2019 7:01	28.86	82.8	6.06	6.9	SR4	7/28/2019 13:01	29.69	107.3	7.83	7.0	SR4	7/28/2019 19:01	29.49	85.7	6.26	6.9
SR4	7/28/2019 1:06	28.88	115.3	8.38	7.1	SR4	7/28/2019 7:06	28.81	79.2	5.81	6.0	SR4	7/28/2019 13:06	29.76	112.9	8.24	7.3	SR4	7/28/2019 19:06	29.50	84.7	6.20	7.8
SR4	7/28/2019 1:11	28.96	115.4	8.38	6.7	SR4	7/28/2019 7:11	28.78	77.7	5.72	7.1	SR4	7/28/2019 13:11	29.68	113.6	8.30	7.0	SR4	7/28/2019 19:11	29.47	84.6	6.19	6.9
SR4	7/28/2019 1:16	28.98	114.3	8.30	6.7	SR4	7/28/2019 7:16	28.86	82.4	6.05	6.9	SR4	7/28/2019 13:16	29.60	112.8	8.24	7.2	SR4	7/28/2019 19:16	29.46	85.6	6.27	7.5
SR4	7/28/2019 1:21	29.00	114.6	8.33	6.7	SR4	7/28/2019 7:21	28.86	80.2	5.89	7.3	SR4	7/28/2019 13:21	29.53	110.5	8.06	7.4	SR4	7/28/2019 19:21	29.43	84.8	6.21	7.0
SR4	7/28/2019 1:26	29.01	115.6	8.40	7.0	SR4	7/28/2019 7:26	28.96	82.4	6.04	6.5	SR4	7/28/2019 13:26	29.52	109.3	7.97	7.5	SR4	7/28/2019 19:26	29.42	84.4	6.17	7.0
SR4	7/28/2019 1:31	28.99	115.4	8.39	6.4	SR4	7/28/2019 7:31	29.17	86.5	6.34	7.3	SR4	7/28/2019 13:31	29.56	109.2	7.96	6.8	SR4	7/28/2019 19:31	29.42	84.7	6.20	7.4
SR4	7/28/2019 1:36	28.96	113.3	8.24	7.2	SR4	7/28/2019 7:36	29.30	92.9	6.78	6.9	SR4	7/28/2019 13:36	29.52	110.6	8.07	7.4	SR4	7/28/2019 19:36	29.40	83.3	6.10	6.8
SR4	7/28/2019 1:41	28.93	113.7	8.27	6.8	SR4	7/28/2019 7:41	29.41	95.9	6.99	7.0	SR4	7/28/2019 13:41	29.51	110.1	8.04	7.3	SR4	7/28/2019 19:41	29.41	84.1	6.16	6.9
SR4	7/28/2019 1:46	28.92	113.7	8.26	6.4	SR4	7/28/2019 7:46	29.41	95.5	6.97	7.0	SR4	7/28/2019 13:46	29.51	109.6	8.00	7.0	SR4	7/28/2019 19:46	29.40	82.7	6.05	7.0
SR4	7/28/2019 1:51	28.92	112.8	8.21	7.5	SR4	7/28/2019 7:51	29.36	94.6	6.90	6.6	SR4	7/28/2019 13:51	29.51	109.7	8.00	7.4	SR4	7/28/2019 19:51	29.42	83.5	6.12	7.0
SR4	7/28/2019 1:56	28.91	112.8	8.20	7.2	SR4	7/28/2019 7:56	29.38	96.5	7.04	6.7	SR4	7/28/2019 13:56	29.48	109.2	7.97	7.7	SR4	7/28/2019 19:56	29.39	83.1	6.09	7.1
SR4	7/28/2019 2:01	28.89	114.9	8.34	7.3	SR4	7/28/2019 8:01	29.37	96.6	7.05	6.5	SR4	7/28/2019 14:01	29.50	110.4	8.06	7.1	SR4	7/28/2019 20:01	29.42	83.2	6.09	7.3
SR4	7/28/2019 2:06	28.90	113.7	8.24	6.6	SR4	7/28/2019 8:06	29.30	94.3	6.89	7.4	SR4	7/28/2019 14:06	29.49	109.2	7.97	7.1	SR4	7/28/2019 20:06	29.42	83.9	6.15	6.6
SR4	7/28/2019 2:11	28.92	117.1	8.49	7.1	SR4	7/28/2019 8:11	29.25	95.5	6.98	7.7	SR4	7/28/2019 14:11	29.47	108.3	7.91	7.0	SR4	7/28/2019 20:11	29.41	83.9	6.15	7.4
SR4	7/28/2019 2:16	28.91	112.5	8.17	7.5	SR4	7/28/2019 8:16	29.23	95.5	6.97	7.3	SR4	7/28/2019 14:16	29.49	107.7	7.87	6.0	SR4	7/28/2019 20:16	29.37	83.0	6.08	6.9
SR4	7/28/2019 2:21	28.94	111.6	8.10	7.0	SR4	7/28/2019 8:21	29.20	95.3	6.96	6.6	SR4	7/28/2019 14:21	29.50	107.9	7.88	6.8	SR4	7/28/2019 20:21	29.37	83.0	6.09	7.5
SR4	7/28/2019 2:26	29.02	112.5	8.17	7.2	SR4	7/28/2019 8:26	29.26	96.3	7.03	7.4	SR4	7/28/2019 14:26	29.55	113.8	8.29	6.4	SR4	7/28/2019 20:26	29.35	83.0	6.08	7.2
SR4	7/28/2019 2:31	29.02	110.8	8.06	7.6	SR4	7/28/2019 8:31	29.28	97.8	7.14	7.1	SR4	7/28/2019 14:31	29.50	106.7	7.80	5.7	SR4	7/28/2019 20:31	29.37	82.6	6.05	7.7
SR4	7/28/2019 2:36	28.99	109.5	7.96	7.2	SR4	7/28/2019 8:36	29.29	97.6	7.13	7.5	SR4	7/28/2019 14:36	29.50	108.8	7.93	7.1	SR4	7/28/2019 20:36	29.34	81.7	5.98	7.4
SR4	7/28/2019 2:41	28.98	110.0	8.00	6.8	SR4	7/28/2019 8:41	29.33	99.7	7.30	6.4	SR4	7/28/2019 14:41	29.52	106.9	7.80	7.4	SR4	7/28/2019 20:41	29.35	81.6	5.98	7.0
SR4	7/28/2019 2:46	28.98	108.8	7.92	17.5	SR4	7/28/2019 8:46	29.33	100.9	7.38	7.6	SR4	7/28/2019 14:46	29.49	108.5	7.93	5.8	SR4	7/28/2019 20:46	29.34	80.8	5.92	7.8
SR4	7/28/2019 2:51	28.95	106.8	7.77	7.2	SR4	7/28/2019 8:51	29.34	102.0	7.46	6.6	SR4	7/28/2019 14:51	29.49	103.8	7.58	6.6	SR4	7/28/2019 20:51	29.35	80.9	5.93	7.4
SR4	7/28/2019 2:56	28.99	107.6	7.82	7.3	SR4	7/28/2019 8:56	29.44	101.7	7.44	7.4	SR4	7/28/2019 14:56	29.44	100.7	7.36	6.9	SR4	7/28/2019 20:56	29.33	80.7	5.91	7.2
SR4	7/28/2019 3:01	29.01	107.2	7.79	7.3	SR4	7/28/2019 9:01	29.45	79.7	5.70	7.2	SR4	7/28/2019 15:01	29.46	101.4	7.41	7.1	SR4	7/28/2019 21:01	29.35	79.9	5.87	7.0
SR4	7/28/2019 3:06	29.01	106.9	7.79	6.6	SR4	7/28/2019 9:06	29.47	82.6	5.91	6.5	SR4	7/28/2019 15:06	29.49	102.7	7.50	6.9	SR4	7/28/2019 21:06	29.34	81.1	5.96	7.6
SR4	7/28/2019 3:11	29.02	108.3	7.88	7.6	SR4	7/28/2019 9:11	29.47	79.3	5.67	7.9	SR4	7/28/2019 15:11	29.47	100.8	7.37	7.8	SR4	7/28/2019 21:11	29.34	80.1	5.88	6.6
SR4	7/28/2019 3:16	29.00	108.8	7.92	6.2	SR4	7/28/2019 9:16	29.44	78.4	5.61	6.8	SR4	7/28/2019 15:16	29.52	102.4	7.48	7.9	SR4	7/28/2019 21:16	29.33	80.1	5.88	7.2
SR4	7/28/2019 3:21	29.00	109.4	7.97	7.3	SR4	7/28/2019 9:21	29.47	79.6	5.69	7.4	SR4	7/28/2019 15:21	29.53	105.2	7.68	6.8	SR4	7/28/2019 21:21	29.33	79.1	5.81	6.5
SR4	7/28/2019 3:26	28.96	86.2	6.15	7.6	SR4	7/28/2019 9:26	29.49	82.4	5.89	7.4	SR4	7/28/2019 15:26	29.52	103.9	7.59	6.7	SR4	7/28/2019 21:26	29.33	79.2	5.81	7.6
SR4	7/28/2019 3:31	28.97	79.5	5.67	7.7	SR4	7/28/2019 9:31	29.51	81.9	5.85	8.4	SR4	7/28/2019 15:31	29.58	104.8	7.64	6.5	SR4	7/28/2019 21:31	29.30	78.0	5.72	7.9
SR4	7/28/2019 3:36	28.94	80.0	5.71	6.5	SR4	7/28/2019 9:36	29.52	81.7	5.83	7.6	SR4	7/28/2019 15:36	29.55	102.4	7.47	7.2	SR4	7/28/2019 21:36	29.24	78.3	5.75	6.7
SR4	7/28/2019 3:41	28.85	103.1	7.51	8.5	SR4	7/28/2019 9:41	29.54	83.8	5.98	7.7	SR4	7/28/2019 15:41	29.63	102.2	7.46	7.4	SR4	7/28/2019 21:41	29.29	79.4	5.84	7.5
SR4	7/28/2019 3:46	28.89	106.8	7.77	21.3	SR4	7/28/2019 9:46	29.56	105.2	7.68	7.4	SR4	7/28/2019 15:46	29.54	95.6	6.98	6.9	SR4	7/28/2019 21:46	29.27	77.9	5.72	6.5
SR4	7/28/2019 3:51	28.89	99.7	7.28	7.2	SR4	7/28/2019 9:51	29.56	106.8	7.80	8.0	SR4	7/28/2019 15:51	29.57	96.8	7.06	7.1	SR4	7/28/2019 21:51	29.28	76.4	5.61	6.8

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	7/28/2019 0:00	30.03	184.1	12.89	5.4	SR5	7/28/2019 6:00	26.51	77.7	5.38	5.7	SR5	7/28/2019 12:00	29.30	156.0	11.00	6.4	SR5	7/28/2019 18:00	26.65	88.8	6.15	5.8
SR5	7/28/2019 0:05	30.01	185.5	13.02	5.6	SR5	7/28/2019 6:05	26.39	85.4	5.92	5.4	SR5	7/28/2019 12:05	29.19	150.2	10.59	4.8	SR5	7/28/2019 18:05	26.72	92.6	6.41	6.1
SR5	7/28/2019 0:10	29.94	182.2	12.81	6.2	SR5	7/28/2019 6:10	26.33	75.8	5.24	7.0	SR5	7/28/2019 12:10	29.42	161.4	11.38	5.3	SR5	7/28/2019 18:10	26.73	92.2	6.39	6.5
SR5	7/28/2019 0:15	29.94	182.3	12.82	6.4	SR5	7/28/2019 6:15	25.98	71.2	4.93	5.5	SR5	7/28/2019 12:15	29.26	162.5	11.49	5.7	SR5	7/28/2019 18:15	26.68	92.5	6.40	6.1
SR5	7/28/2019 0:20	29.88	181.2	12.75	6.0	SR5	7/28/2019 6:20	26.30	80.0	5.55	5.8	SR5	7/28/2019 12:20	29.26	161.6	11.41	8.5	SR5	7/28/2019 18:20	26.65	91.5	6.34	6.2
SR5	7/28/2019 0:25	29.88	180.4	12.69	5.5	SR5	7/28/2019 6:25	26.18	75.7	5.24	6.0	SR5	7/28/2019 12:25	29.23	157.8	11.12	5.4	SR5	7/28/2019 18:25	26.62	91.6	6.34	4.8
SR5	7/28/2019 0:30	29.97	180.9	12.72	5.7	SR5	7/28/2019 6:30	26.66	83.1	5.76	5.8	SR5	7/28/2019 12:30	29.20	154.7	10.90	6.2	SR5	7/28/2019 18:30	26.56	90.0	6.23	5.4
SR5	7/28/2019 0:35	29.97	180.4	12.69	6.0	SR5	7/28/2019 6:35	27.16	92.6	6.43	5.0	SR5	7/28/2019 12:35	29.32	155.8	10.98	4.8	SR5	7/28/2019 18:35	26.55	89.1	6.17	5.6
SR5	7/28/2019 0:40	29.94	176.1	12.40	5.7	SR5	7/28/2019 6:40	27.54	107.8	7.48	6.1	SR5	7/28/2019 12:40	29.35	160.7	11.34	6.1	SR5	7/28/2019 18:40	26.54	88.1	6.10	6.5
SR5	7/28/2019 0:45	29.87	174.8	12.30	6.1	SR5	7/28/2019 6:45	28.01	118.7	8.24	5.9	SR5	7/28/2019 12:45	29.23	159.9	11.31	6.0	SR5	7/28/2019 18:45	26.52	88.9	6.15	6.1
SR5	7/28/2019 0:50	29.86	175.8	12.37	5.7	SR5	7/28/2019 6:50	27.95	117.5	8.16	4.9	SR5	7/28/2019 12:50	29.30	158.7	11.22	5.5	SR5	7/28/2019 18:50	26.49	87.1	6.03	6.0
SR5	7/28/2019 0:55	29.87	173.8	12.23	6.2	SR5	7/28/2019 6:55	27.92	117.2	8.15	6.1	SR5	7/28/2019 12:55	29.31	159.7	11.29	5.1	SR5	7/28/2019 18:55	26.49	86.8	6.00	4.9
SR5	7/28/2019 1:00	29.85	173.7	12.20	6.0	SR5	7/28/2019 7:00	28.09	122.0	8.52	5.4	SR5	7/28/2019 13:00	29.27	159.2	11.26	5.4	SR5	7/28/2019 19:00	26.49	86.3	5.97	5.8
SR5	7/28/2019 1:05	29.90	177.0	12.43	5.5	SR5	7/28/2019 7:05	28.02	121.0	8.45	4.9	SR5	7/28/2019 13:05	29.27	161.3	11.41	6.5	SR5	7/28/2019 19:05	26.47	85.8	5.93	5.5
SR5	7/28/2019 1:10	29.95	176.7	12.39	4.9	SR5	7/28/2019 7:10	27.86	115.7	8.06	6.7	SR5	7/28/2019 13:10	29.26	158.2	11.19	5.6	SR5	7/28/2019 19:10	26.45	86.5	5.98	4.8
SR5	7/28/2019 1:15	30.05	183.7	12.87	5.4	SR5	7/28/2019 7:15	27.88	117.0	8.16	5.2	SR5	7/28/2019 13:15	29.20	156.1	11.05	6.4	SR5	7/28/2019 19:15	26.45	86.9	6.01	6.2
SR5	7/28/2019 1:20	29.86	176.0	12.34	6.4	SR5	7/28/2019 7:20	27.82	115.0	8.01	5.6	SR5	7/28/2019 13:20	29.22	154.7	10.95	5.0	SR5	7/28/2019 19:20	26.39	84.8	5.86	5.9
SR5	7/28/2019 1:25	29.78	172.1	12.08	5.6	SR5	7/28/2019 7:25	27.89	115.0	8.02	5.1	SR5	7/28/2019 13:25	29.26	156.7	11.09	6.1	SR5	7/28/2019 19:25	26.35	83.4	5.76	5.6
SR5	7/28/2019 1:30	29.80	171.2	12.01	5.1	SR5	7/28/2019 7:30	28.04	118.6	8.27	5.9	SR5	7/28/2019 13:30	29.59	173.9	12.28	5.3	SR5	7/28/2019 19:30	26.36	83.7	5.78	6.3
SR5	7/28/2019 1:35	29.63	167.2	11.74	5.3	SR5	7/28/2019 7:35	28.18	123.5	8.65	6.4	SR5	7/28/2019 13:35	29.17	154.7	10.95	6.0	SR5	7/28/2019 19:35	26.34	83.6	5.77	4.6
SR5	7/28/2019 1:40	29.50	162.4	11.39	6.2	SR5	7/28/2019 7:40	28.24	124.4	8.72	5.8	SR5	7/28/2019 13:40	29.25	161.6	11.43	6.4	SR5	7/28/2019 19:40	26.34	82.7	5.71	6.0
SR5	7/28/2019 1:45	29.60	163.7	11.48	4.8	SR5	7/28/2019 7:45	28.51	129.8	9.13	6.2	SR5	7/28/2019 13:45	29.20	157.0	11.10	4.5	SR5	7/28/2019 19:45	26.35	82.1	5.68	5.3
SR5	7/28/2019 1:50	29.44	161.5	11.33	5.8	SR5	7/28/2019 7:50	28.61	131.7	9.28	6.4	SR5	7/28/2019 13:50	29.19	159.9	11.32	5.9	SR5	7/28/2019 19:50	26.32	80.6	5.57	5.7
SR5	7/28/2019 1:55	29.32	156.0	10.94	6.4	SR5	7/28/2019 7:55	28.65	134.7	9.51	5.7	SR5	7/28/2019 13:55	29.05	146.8	10.38	5.7	SR5	7/28/2019 19:55	26.31	79.3	5.48	6.5
SR5	7/28/2019 2:00	29.42	159.1	11.15	5.2	SR5	7/28/2019 8:00	28.69	134.9	9.52	5.1	SR5	7/28/2019 14:00	28.78	137.5	9.70	5.9	SR5	7/28/2019 20:00	26.29	79.4	5.49	6.5
SR5	7/28/2019 2:05	29.41	158.3	11.10	6.2	SR5	7/28/2019 8:05	28.78	137.9	9.75	6.7	SR5	7/28/2019 14:05	28.87	140.2	9.90	6.1	SR5	7/28/2019 20:05	26.27	78.0	5.39	5.1
SR5	7/28/2019 2:10	29.41	157.9	11.08	5.2	SR5	7/28/2019 8:10	28.84	141.7	10.00	6.5	SR5	7/28/2019 14:10	28.91	143.7	10.14	5.5	SR5	7/28/2019 20:10	26.26	79.1	5.47	5.2
SR5	7/28/2019 2:15	29.52	161.1	11.31	6.5	SR5	7/28/2019 8:15	28.77	139.9	9.81	6.3	SR5	7/28/2019 14:15	28.82	139.4	9.84	5.1	SR5	7/28/2019 20:15	26.26	78.3	5.41	5.8
SR5	7/28/2019 2:20	29.54	162.3	11.40	5.7	SR5	7/28/2019 8:20	28.72	137.3	9.68	5.2	SR5	7/28/2019 14:20	28.89	140.8	9.93	6.1	SR5	7/28/2019 20:20	26.26	77.8	5.37	6.3
SR5	7/28/2019 2:25	29.56	162.8	11.44	6.2	SR5	7/28/2019 8:25	28.74	136.5	9.63	5.8	SR5	7/28/2019 14:25	29.00	148.4	10.48	5.3	SR5	7/28/2019 20:25	26.27	77.4	5.35	6.0
SR5	7/28/2019 2:30	29.46	160.7	11.30	6.7	SR5	7/28/2019 8:30	28.79	136.5	9.63	6.5	SR5	7/28/2019 14:30	28.93	144.4	10.20	5.1	SR5	7/28/2019 20:30	26.25	78.6	5.43	6.7
SR5	7/28/2019 2:35	29.59	162.1	11.39	5.4	SR5	7/28/2019 8:35	28.76	136.0	9.61	5.9	SR5	7/28/2019 14:35	29.14	148.2	10.44	6.4	SR5	7/28/2019 20:35	26.26	77.3	5.34	6.4
SR5	7/28/2019 2:40	29.42	157.6	11.08	5.2	SR5	7/28/2019 8:40	28.76	135.9	9.61	6.3	SR5	7/28/2019 14:40	28.88	141.6	9.99	5.8	SR5	7/28/2019 20:40	26.21	76.8	5.31	6.4
SR5	7/28/2019 2:45	28.95	141.9	9.97	11.5	SR5	7/28/2019 8:45	29.00	140.5	9.93	5.4	SR5	7/28/2019 14:45	28.92	140.6	9.91	5.7	SR5	7/28/2019 20:45	26.33	75.3	5.20	5.0
SR5	7/28/2019 2:50	29.21	151.9	10.66	5.8	SR5	7/28/2019 8:50	28.95	139.7	9.87	5.6	SR5	7/28/2019 14:50	28.37	120.6	8.47	4.6	SR5	7/28/2019 20:50	26.40	74.7	5.16	5.4
SR5	7/28/2019 2:55	28.80	132.3	9.29	6.5	SR5	7/28/2019 8:55	29.02	143.3	10.13	6.1	SR5	7/28/2019 14:55	28.42	123.2	8.64	5.9	SR5	7/28/2019 20:55	26.32	74.7	5.17	4.6
SR5	7/28/2019 3:00	28.83	142.7	10.00	5.9	SR5	7/28/2019 9:00	28.97	140.6	9.94	6.5	SR5	7/28/2019 15:00	28.61	127.4	8.94	4.8	SR5	7/28/2019 21:00	27.01	86.4	6.00	6.1
SR5	7/28/2019 3:05	28.08	121.3	8.46	5.9	SR5	7/28/2019 9:05	29.12	140.4	9.96	5.9	SR5	7/28/2019 15:05	28.57	127.4	8.95	6.2	SR5	7/28/2019 21:05	26.70	94.1	6.52	5.6
SR5	7/28/2019 3:10	28.11	121.6	8.48	5.9	SR5	7/28/2019 9:10	29.07	139.7	9.91	6.3	SR5	7/28/2019 15:10	28.71	133.1	9.36	5.8	SR5	7/28/2019 21:10	27.28	103.7	7.21	5.7
SR5	7/28/2019 3:15	28.10	123.9	8.64	5.9	SR5	7/28/2019 9:15	29.07	139.1	9.86	6.2	SR5	7/28/2019 15:15	28.75	131.7	9.27	5.2	SR5	7/28/2019 21:15	27.31	101.4	7.05	6.4
SR5	7/28/2019 3:20	28.08	123.6	8.61	5.8	SR5	7/28/2019 9:20	29.18	142.8	10.14	5.4	SR5	7/28/2019 15:20	28.51	122.2	8.59	5.7	SR5	7/28/2019 21:20	27.52	111.1	7.72	6.0
SR5	7/28/2019 3:25	28.01	122.1	8.51	6.3	SR5	7/28/2019 9:25	29.27	146.0	10.38	4.9	SR5	7/28/2019 15:25	28.71	132.1	9.29	5.5	SR5	7/28/2019 21:25	27.57	115.3	8.01	6.4
SR5	7/28/2019 3:30	28.14	123.6	8.61	6.0	SR5	7/28/2019 9:30	29.19	143.7	10.20	5.9	SR5	7/28/2019 15:30	29.03	142.6	10.03	4.4	SR5	7/28/2019 21:30	27.47	111.9	7.77	6.5
SR5	7/28/2019 3:35	28.13	124.7	8.69	5.5	SR5	7/28/2019 9:35	29.17	143.2	10.16	5.0	SR5	7/28/2019 15:35	28.58	131.5	9.24	4.9	SR5	7/28/2019 21:35	27.73	120.9	8.42	6.2
SR5	7/28/2019 3:40	28.07	123.2	8.58	6.8	SR5	7/28/2019 9:40	29.17	143.8	10.20	5.7	SR5	7/28/2019 15:40	28.77	141.1	9.90	6.0	SR5	7/28/2019 21:40	27.57	115.0	8.00	6.5
SR5	7/28/2019 3:45	28.11	122.5	8.53	13.7	SR5	7/28/2019 9:45	29.22	144.6	10.26	4.9	SR5	7/28/2019 15:45	28.09	114.5	8.03	5.8	SR5	7/28/2019 21:45	27.56	113.7	7.91	6.1
SR5	7/28/2019 3:50	28.00	121.3	8.45	6.0	SR5	7/28/2019 9:50	29.18	144.6	10.26	5.6	SR5											

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	7/28/2019 0:01	29.02	150.2	10.78	7.8	SR12	7/28/2019 6:01	27.83	93.4	8.74	7.4	SR12	7/28/2019 12:01	28.86	119.9	8.67	7.4	SR12	7/28/2019 18:01	28.74	93.8	6.78	5.8
SR12	7/28/2019 0:06	29.02	144.0	10.32	6.9	SR12	7/28/2019 6:06	27.84	94.7	6.63	7.3	SR12	7/28/2019 12:06	28.88	119.2	8.62	7.5	SR12	7/28/2019 18:06	28.61	97.1	7.01	7.6
SR12	7/28/2019 0:11	28.85	142.6	10.23	7.9	SR12	7/28/2019 6:11	27.89	95.0	6.65	7.5	SR12	7/28/2019 12:11	28.93	122.7	8.88	8.3	SR12	7/28/2019 18:11	28.71	93.3	6.74	8.1
SR12	7/28/2019 0:16	28.92	145.0	10.40	8.6	SR12	7/28/2019 6:16	27.89	94.3	6.81	6.3	SR12	7/28/2019 12:16	28.94	120.8	8.75	7.9	SR12	7/28/2019 18:16	28.64	90.3	6.52	6.7
SR12	7/28/2019 0:21	28.77	144.0	10.34	6.7	SR12	7/28/2019 6:21	27.95	93.4	6.75	7.8	SR12	7/28/2019 12:21	28.98	117.6	8.51	14.1	SR12	7/28/2019 18:21	28.63	89.7	6.48	6.0
SR12	7/28/2019 0:26	28.99	139.7	10.04	7.3	SR12	7/28/2019 6:26	27.91	92.1	6.65	7.7	SR12	7/28/2019 12:26	28.99	118.5	8.57	8.5	SR12	7/28/2019 18:26	28.67	89.0	6.44	6.8
SR12	7/28/2019 0:31	28.68	136.0	9.78	6.3	SR12	7/28/2019 6:31	27.96	92.2	6.65	6.6	SR12	7/28/2019 12:31	29.02	118.4	8.56	7.4	SR12	7/28/2019 18:31	28.58	90.3	6.53	6.4
SR12	7/28/2019 0:36	28.77	133.7	9.62	8.5	SR12	7/28/2019 6:36	27.82	89.0	6.43	6.2	SR12	7/28/2019 12:36	28.98	117.2	8.48	8.4	SR12	7/28/2019 18:36	28.50	90.6	6.54	6.0
SR12	7/28/2019 0:41	28.65	132.0	9.50	6.6	SR12	7/28/2019 6:41	27.80	88.3	6.39	6.6	SR12	7/28/2019 12:41	29.01	118.2	8.55	7.8	SR12	7/28/2019 18:41	28.47	91.2	6.57	6.5
SR12	7/28/2019 0:46	28.69	137.7	9.88	7.8	SR12	7/28/2019 6:46	27.89	90.5	6.54	6.2	SR12	7/28/2019 12:46	28.91	121.3	8.77	7.8	SR12	7/28/2019 18:46	28.48	91.3	6.59	7.5
SR12	7/28/2019 0:51	28.72	138.3	9.91	6.8	SR12	7/28/2019 6:51	27.84	88.3	6.38	7.4	SR12	7/28/2019 12:51	29.05	125.3	9.05	7.0	SR12	7/28/2019 18:51	28.46	89.6	6.46	7.1
SR12	7/28/2019 0:56	28.63	138.0	9.89	7.1	SR12	7/28/2019 6:56	27.76	83.3	6.04	6.0	SR12	7/28/2019 12:56	28.93	125.4	9.06	6.7	SR12	7/28/2019 18:56	28.43	89.4	6.45	7.1
SR12	7/28/2019 1:01	28.49	138.9	9.97	7.8	SR12	7/28/2019 7:01	27.74	87.1	6.30	7.0	SR12	7/28/2019 13:01	28.89	123.1	8.90	6.1	SR12	7/28/2019 19:01	28.48	91.2	6.57	6.4
SR12	7/28/2019 1:06	28.46	136.3	9.80	7.2	SR12	7/28/2019 7:06	27.72	82.4	5.97	6.1	SR12	7/28/2019 13:06	29.02	130.4	9.42	6.6	SR12	7/28/2019 19:06	28.47	90.2	6.50	7.1
SR12	7/28/2019 1:11	28.57	135.6	9.74	7.6	SR12	7/28/2019 7:11	27.66	80.5	5.84	7.2	SR12	7/28/2019 13:11	28.88	131.4	9.51	7.0	SR12	7/28/2019 19:11	28.43	89.8	6.47	5.9
SR12	7/28/2019 1:16	28.59	134.7	9.68	7.4	SR12	7/28/2019 7:16	27.79	85.7	6.21	8.1	SR12	7/28/2019 13:16	28.67	129.7	9.38	7.1	SR12	7/28/2019 19:16	28.40	90.4	6.52	6.8
SR12	7/28/2019 1:21	28.59	134.5	9.67	7.8	SR12	7/28/2019 7:21	27.78	84.2	6.10	7.6	SR12	7/28/2019 13:21	28.58	127.0	9.17	6.6	SR12	7/28/2019 19:21	28.36	90.0	6.49	5.9
SR12	7/28/2019 1:26	28.63	136.0	9.78	8.1	SR12	7/28/2019 7:26	27.93	87.9	6.36	6.6	SR12	7/28/2019 13:26	28.55	124.3	8.97	7.4	SR12	7/28/2019 19:26	28.35	89.8	6.47	7.0
SR12	7/28/2019 1:31	28.61	135.4	9.74	6.9	SR12	7/28/2019 7:31	28.16	92.5	6.68	7.3	SR12	7/28/2019 13:31	28.58	124.3	8.97	6.7	SR12	7/28/2019 19:31	28.35	89.1	6.43	6.3
SR12	7/28/2019 1:36	28.58	132.8	9.56	7.9	SR12	7/28/2019 7:36	28.29	101.6	7.32	6.5	SR12	7/28/2019 13:36	28.54	126.5	9.14	7.0	SR12	7/28/2019 19:36	28.33	87.9	6.34	6.4
SR12	7/28/2019 1:41	28.55	132.4	9.53	7.5	SR12	7/28/2019 7:41	28.43	106.5	7.66	7.3	SR12	7/28/2019 13:41	28.52	126.0	9.11	7.9	SR12	7/28/2019 19:41	28.34	88.7	6.40	7.0
SR12	7/28/2019 1:46	28.53	132.2	9.51	7.1	SR12	7/28/2019 7:46	28.40	105.8	7.62	6.5	SR12	7/28/2019 13:46	28.50	125.4	9.06	6.7	SR12	7/28/2019 19:46	28.34	87.6	6.32	6.1
SR12	7/28/2019 1:51	28.52	131.0	9.43	7.4	SR12	7/28/2019 7:51	28.36	105.1	7.57	6.9	SR12	7/28/2019 13:51	28.49	125.8	9.09	7.4	SR12	7/28/2019 19:51	28.34	87.4	6.30	7.8
SR12	7/28/2019 1:56	28.50	130.9	9.41	6.7	SR12	7/28/2019 7:56	28.41	107.5	7.75	7.5	SR12	7/28/2019 13:56	28.45	125.2	9.05	7.3	SR12	7/28/2019 19:56	28.32	86.8	6.26	6.6
SR12	7/28/2019 2:01	28.50	133.2	9.57	8.1	SR12	7/28/2019 8:01	28.35	107.4	7.75	6.4	SR12	7/28/2019 14:01	28.45	126.4	9.14	6.2	SR12	7/28/2019 20:01	28.38	87.2	6.29	7.5
SR12	7/28/2019 2:06	28.50	132.6	9.53	7.0	SR12	7/28/2019 8:06	28.26	105.2	7.59	7.2	SR12	7/28/2019 14:06	28.43	124.8	9.02	6.0	SR12	7/28/2019 20:06	28.34	88.0	6.35	6.4
SR12	7/28/2019 2:11	28.54	136.5	9.79	7.5	SR12	7/28/2019 8:11	28.18	105.6	7.62	7.5	SR12	7/28/2019 14:11	28.42	123.8	8.96	6.2	SR12	7/28/2019 20:11	28.33	87.6	6.32	7.2
SR12	7/28/2019 2:16	28.47	132.4	9.50	7.1	SR12	7/28/2019 8:16	28.15	104.9	7.57	6.8	SR12	7/28/2019 14:16	28.43	122.9	8.90	5.8	SR12	7/28/2019 20:16	28.25	86.5	6.24	7.1
SR12	7/28/2019 2:21	28.45	130.4	9.37	6.9	SR12	7/28/2019 8:21	28.18	104.2	7.52	6.7	SR12	7/28/2019 14:21	28.45	123.6	8.94	5.9	SR12	7/28/2019 20:21	28.26	86.3	6.23	6.8
SR12	7/28/2019 2:26	28.44	130.2	9.36	8.4	SR12	7/28/2019 8:26	28.31	106.1	7.65	8.3	SR12	7/28/2019 14:26	28.57	132.0	9.52	6.1	SR12	7/28/2019 20:26	28.24	86.5	6.24	7.2
SR12	7/28/2019 2:31	28.39	128.4	9.24	8.6	SR12	7/28/2019 8:31	28.41	108.6	7.84	7.2	SR12	7/28/2019 14:31	28.46	122.5	8.87	5.2	SR12	7/28/2019 20:31	28.24	86.2	6.22	7.9
SR12	7/28/2019 2:36	28.35	125.8	9.05	8.3	SR12	7/28/2019 8:36	28.47	108.7	7.85	6.8	SR12	7/28/2019 14:36	28.47	126.0	9.11	5.8	SR12	7/28/2019 20:36	28.23	85.8	6.19	7.0
SR12	7/28/2019 2:41	28.38	126.6	9.10	6.7	SR12	7/28/2019 8:41	28.59	111.5	8.07	6.5	SR12	7/28/2019 14:41	28.47	123.3	8.91	6.5	SR12	7/28/2019 20:41	28.24	85.2	6.16	7.3
SR12	7/28/2019 2:46	28.33	125.3	9.01	19.7	SR12	7/28/2019 8:46	28.64	112.7	8.16	8.2	SR12	7/28/2019 14:46	28.46	124.8	9.03	5.1	SR12	7/28/2019 20:46	28.23	84.5	6.10	7.6
SR12	7/28/2019 2:51	28.27	122.3	8.80	7.6	SR12	7/28/2019 8:51	28.66	114.2	8.27	6.8	SR12	7/28/2019 14:51	28.43	118.6	8.58	6.6	SR12	7/28/2019 20:51	28.23	84.7	6.12	6.5
SR12	7/28/2019 2:56	28.30	124.0	8.91	7.5	SR12	7/28/2019 8:56	28.70	113.8	8.24	8.2	SR12	7/28/2019 14:56	28.35	114.1	8.26	5.7	SR12	7/28/2019 20:56	28.21	84.4	6.10	6.0
SR12	7/28/2019 3:01	28.28	123.5	8.88	8.1	SR12	7/28/2019 9:01	28.74	112.2	8.22	6.6	SR12	7/28/2019 15:01	28.37	115.4	8.35	6.4	SR12	7/28/2019 21:01	28.22	83.0	6.00	7.6
SR12	7/28/2019 3:06	28.28	123.5	8.89	6.6	SR12	7/28/2019 9:06	28.76	86.9	6.08	6.6	SR12	7/28/2019 15:06	28.40	114.2	8.47	6.7	SR12	7/28/2019 21:06	28.24	83.9	6.07	6.7
SR12	7/28/2019 3:11	28.33	125.2	9.01	7.5	SR12	7/28/2019 9:11	28.77	82.1	5.73	7.4	SR12	7/28/2019 15:11	28.40	117.4	8.28	7.3	SR12	7/28/2019 21:11	28.23	83.2	6.01	7.1
SR12	7/28/2019 3:16	28.34	125.9	9.06	6.6	SR12	7/28/2019 9:16	28.73	81.4	5.69	7.0	SR12	7/28/2019 15:16	28.47	116.5	8.42	7.6	SR12	7/28/2019 21:16	28.22	83.5	6.04	6.8
SR12	7/28/2019 3:21	28.34	126.3	9.10	6.8	SR12	7/28/2019 9:21	28.77	80.3	5.61	8.5	SR12	7/28/2019 15:21	28.52	120.4	8.70	6.6	SR12	7/28/2019 21:21	28.22	82.6	5.97	6.6
SR12	7/28/2019 3:26	28.31	93.1	6.50	8.1	SR12	7/28/2019 9:26	28.80	85.9	6.01	7.1	SR12	7/28/2019 15:26	28.50	118.1	8.54	6.8	SR12	7/28/2019 21:26	28.22	84.1	6.08	7.2
SR12	7/28/2019 3:31	28.35	82.3	5.74	7.7	SR12	7/28/2019 9:31	28.80	83.7	5.85	8.6	SR12	7/28/2019 15:31	28.58	119.6	8.63	6.2	SR12	7/28/2019 21:31	28.15	83.4	6.03	8.0
SR12	7/28/2019 3:36	28.28	82.8	5.78	7.0	SR12	7/28/2019 9:36	28.80	83.6	5.84	6.9	SR12	7/28/2019 15:36	28.50	116.1	8.39	6.5	SR12	7/28/2019 21:36	28.06	84.1	6.09	6.3
SR12	7/28/2019 3:41	28.14	115.9	8.36	9.6	SR12	7/28/2019 9:41	28.87	85.6	5.99	7.4	SR12	7/28/2019 15:41	28.71	115.3	8.33	6.7	SR12	7/28/2019 21:41	28.16	85.2	6.18	7.2
SR12	7/28/2019 3:46	28.23	121.0	8.72	14.7	SR12	7/28/2019 9:46	28.87	116.2	8.41	8.5	SR12	7/28/2019 15:46	28.52	105.4	7.61	7.0	SR12	7/28/2019 21:46	28.10	82.6	5.98	6.6
SR12	7/28/2019 3:51	28.09	110.9																				

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	7/28/2019 0:00	29.19	134.1	9.64	6.8	SR13	7/28/2019 6:00	27.55	76.6	5.58	6.5	SR13	7/28/2019 12:00	28.95	121.9	8.83	6.7	SR13	7/28/2019 18:00	28.19	84.5	6.13	6.0
SR13	7/28/2019 0:05	29.20	135.1	9.72	6.7	SR13	7/28/2019 6:05	27.56	80.7	5.87	6.1	SR13	7/28/2019 12:05	28.90	118.7	8.60	6.5	SR13	7/28/2019 18:05	28.21	86.1	6.24	6.6
SR13	7/28/2019 0:10	29.17	134.0	9.65	6.6	SR13	7/28/2019 6:10	27.64	79.4	5.78	7.1	SR13	7/28/2019 12:10	28.99	122.6	8.88	6.6	SR13	7/28/2019 18:10	28.23	85.6	6.21	6.6
SR13	7/28/2019 0:15	29.16	133.0	9.58	7.0	SR13	7/28/2019 6:15	27.57	81.7	5.95	6.3	SR13	7/28/2019 12:15	28.97	123.9	8.98	6.8	SR13	7/28/2019 18:15	28.21	85.4	6.18	6.6
SR13	7/28/2019 0:20	29.12	132.3	9.54	6.6	SR13	7/28/2019 6:20	27.74	86.5	6.28	6.7	SR13	7/28/2019 12:20	28.96	123.4	8.95	7.7	SR13	7/28/2019 18:20	28.19	84.9	6.15	6.9
SR13	7/28/2019 0:25	29.12	132.1	9.52	6.3	SR13	7/28/2019 6:25	27.69	84.6	6.15	6.3	SR13	7/28/2019 12:25	28.94	121.9	8.83	6.2	SR13	7/28/2019 18:25	28.19	84.6	6.13	6.0
SR13	7/28/2019 0:30	29.15	131.9	9.51	6.5	SR13	7/28/2019 6:30	27.84	86.9	6.31	6.5	SR13	7/28/2019 12:30	28.94	121.0	8.77	7.0	SR13	7/28/2019 18:30	28.16	83.6	6.06	6.6
SR13	7/28/2019 0:35	29.14	131.7	9.50	6.5	SR13	7/28/2019 6:35	28.04	91.3	6.62	6.5	SR13	7/28/2019 12:35	28.97	121.3	8.79	6.2	SR13	7/28/2019 18:35	28.16	83.4	6.04	6.4
SR13	7/28/2019 0:40	29.13	131.1	9.46	6.8	SR13	7/28/2019 6:40	28.15	96.4	6.98	6.3	SR13	7/28/2019 12:40	28.99	123.6	8.96	6.1	SR13	7/28/2019 18:40	28.18	83.0	6.02	7.0
SR13	7/28/2019 0:45	29.11	130.6	9.41	6.5	SR13	7/28/2019 6:45	28.27	99.4	7.18	6.6	SR13	7/28/2019 12:45	28.94	122.7	8.90	6.2	SR13	7/28/2019 18:45	28.16	83.9	6.08	6.5
SR13	7/28/2019 0:50	29.12	132.5	9.55	6.5	SR13	7/28/2019 6:50	28.22	99.1	7.17	6.3	SR13	7/28/2019 12:50	28.96	122.1	8.86	5.9	SR13	7/28/2019 18:50	28.15	83.2	6.03	6.6
SR13	7/28/2019 0:55	29.09	130.1	9.38	6.7	SR13	7/28/2019 6:55	28.19	98.7	7.14	6.4	SR13	7/28/2019 12:55	28.93	122.1	8.86	5.6	SR13	7/28/2019 18:55	28.12	83.0	6.01	6.4
SR13	7/28/2019 1:00	29.08	129.3	9.32	6.4	SR13	7/28/2019 7:00	28.27	100.0	7.24	6.3	SR13	7/28/2019 13:00	28.90	122.3	8.87	5.9	SR13	7/28/2019 19:00	28.12	82.5	5.98	6.4
SR13	7/28/2019 1:05	29.09	130.3	9.39	7.0	SR13	7/28/2019 7:05	28.31	100.4	7.27	6.6	SR13	7/28/2019 13:05	28.96	126.5	9.17	6.3	SR13	7/28/2019 19:05	28.11	82.5	5.97	6.5
SR13	7/28/2019 1:10	29.09	129.4	9.33	7.0	SR13	7/28/2019 7:10	28.30	99.4	7.19	6.9	SR13	7/28/2019 13:10	28.90	121.9	8.85	5.7	SR13	7/28/2019 19:10	28.10	82.6	5.98	6.4
SR13	7/28/2019 1:15	29.11	130.8	9.42	7.0	SR13	7/28/2019 7:15	28.34	99.9	7.23	6.3	SR13	7/28/2019 13:15	28.87	122.6	8.90	6.2	SR13	7/28/2019 19:15	28.10	82.7	5.98	6.7
SR13	7/28/2019 1:20	29.06	128.5	9.26	6.5	SR13	7/28/2019 7:20	28.38	100.2	7.26	6.4	SR13	7/28/2019 13:20	28.88	121.0	8.78	6.0	SR13	7/28/2019 19:20	28.10	81.7	5.92	6.7
SR13	7/28/2019 1:25	29.01	126.8	9.14	13.2	SR13	7/28/2019 7:25	28.43	100.7	7.30	6.6	SR13	7/28/2019 13:25	28.90	122.6	8.90	5.9	SR13	7/28/2019 19:25	28.07	81.0	5.86	6.7
SR13	7/28/2019 1:30	29.00	125.4	9.04	6.4	SR13	7/28/2019 7:30	28.49	102.5	7.43	6.4	SR13	7/28/2019 13:30	29.01	126.2	9.14	6.2	SR13	7/28/2019 19:30	28.08	81.3	5.89	6.3
SR13	7/28/2019 1:35	28.93	124.7	8.99	6.6	SR13	7/28/2019 7:35	28.56	104.1	7.56	7.3	SR13	7/28/2019 13:35	28.84	117.8	8.55	6.0	SR13	7/28/2019 19:35	28.07	80.9	5.85	6.5
SR13	7/28/2019 1:40	28.87	123.0	8.87	7.0	SR13	7/28/2019 7:40	28.60	91.7	6.58	6.3	SR13	7/28/2019 13:40	28.86	120.6	8.75	6.3	SR13	7/28/2019 19:40	28.07	79.6	5.76	6.6
SR13	7/28/2019 1:45	28.90	123.4	8.90	5.8	SR13	7/28/2019 7:45	28.69	95.6	6.86	6.4	SR13	7/28/2019 13:45	28.87	119.7	8.68	5.9	SR13	7/28/2019 19:45	28.12	79.7	5.78	6.1
SR13	7/28/2019 1:50	28.87	123.4	8.91	6.7	SR13	7/28/2019 7:50	28.72	94.5	6.78	6.9	SR13	7/28/2019 13:50	28.89	119.7	8.69	6.4	SR13	7/28/2019 19:50	28.11	78.7	5.71	6.5
SR13	7/28/2019 1:55	28.83	121.7	8.79	6.5	SR13	7/28/2019 7:55	28.71	95.2	6.84	6.6	SR13	7/28/2019 13:55	28.86	115.9	8.41	6.7	SR13	7/28/2019 19:55	28.10	78.3	5.68	6.7
SR13	7/28/2019 2:00	28.87	123.0	8.88	6.2	SR13	7/28/2019 8:00	28.74	94.9	6.81	6.8	SR13	7/28/2019 14:00	28.75	114.1	8.28	6.1	SR13	7/28/2019 20:00	28.09	78.0	5.65	6.5
SR13	7/28/2019 2:05	28.85	109.4	7.82	6.9	SR13	7/28/2019 8:05	28.78	98.1	7.05	7.0	SR13	7/28/2019 14:05	28.76	114.4	8.31	6.3	SR13	7/28/2019 20:05	28.08	78.2	5.68	6.2
SR13	7/28/2019 2:10	28.86	104.9	7.51	6.7	SR13	7/28/2019 8:10	28.80	98.6	7.08	7.3	SR13	7/28/2019 14:10	28.84	116.2	8.42	5.8	SR13	7/28/2019 20:10	28.05	78.2	5.67	6.5
SR13	7/28/2019 2:15	28.87	107.2	7.67	6.8	SR13	7/28/2019 8:15	28.77	97.8	7.01	6.7	SR13	7/28/2019 14:15	28.78	113.4	8.23	5.8	SR13	7/28/2019 20:15	28.02	78.2	5.67	6.1
SR13	7/28/2019 2:20	28.82	120.2	8.69	7.7	SR13	7/28/2019 8:20	28.78	97.9	7.03	6.5	SR13	7/28/2019 14:20	28.89	113.5	8.23	6.5	SR13	7/28/2019 20:20	28.06	78.4	5.70	6.7
SR13	7/28/2019 2:25	28.86	122.1	8.82	18.9	SR13	7/28/2019 8:25	28.79	109.7	7.97	7.4	SR13	7/28/2019 14:25	28.89	112.4	8.15	6.2	SR13	7/28/2019 20:25	28.04	77.0	5.59	6.3
SR13	7/28/2019 2:30	28.77	117.5	8.50	7.3	SR13	7/28/2019 8:30	28.81	111.2	8.08	7.3	SR13	7/28/2019 14:30	28.91	111.3	8.08	5.9	SR13	7/28/2019 20:30	28.04	76.9	5.59	5.9
SR13	7/28/2019 2:35	28.82	119.9	8.66	6.8	SR13	7/28/2019 8:35	28.80	110.5	8.03	7.2	SR13	7/28/2019 14:35	29.05	113.3	8.21	6.9	SR13	7/28/2019 20:35	28.14	79.2	5.75	6.2
SR13	7/28/2019 2:40	28.66	114.0	8.24	6.6	SR13	7/28/2019 8:40	28.81	109.8	7.99	7.9	SR13	7/28/2019 14:40	29.06	111.3	8.08	6.3	SR13	7/28/2019 20:40	28.07	79.8	5.78	6.2
SR13	7/28/2019 2:45	28.59	108.8	8.17	9.1	SR13	7/28/2019 8:45	28.88	110.9	8.06	7.3	SR13	7/28/2019 14:45	29.19	112.2	8.13	6.4	SR13	7/28/2019 20:45	28.20	80.9	5.87	5.7
SR13	7/28/2019 2:50	28.65	112.6	8.14	7.4	SR13	7/28/2019 8:50	28.87	110.5	8.04	8.0	SR13	7/28/2019 14:50	29.00	104.6	7.60	5.8	SR13	7/28/2019 20:50	28.22	80.3	5.82	6.2
SR13	7/28/2019 2:55	28.48	105.8	7.66	7.3	SR13	7/28/2019 8:55	28.90	112.6	8.18	7.5	SR13	7/28/2019 14:55	29.00	103.8	7.53	7.2	SR13	7/28/2019 20:55	28.23	81.8	5.93	5.7
SR13	7/28/2019 3:00	28.52	109.1	7.89	7.3	SR13	7/28/2019 9:00	28.90	112.4	8.18	6.8	SR13	7/28/2019 15:00	29.06	107.8	7.81	5.9	SR13	7/28/2019 21:00	28.47	86.8	6.28	6.2
SR13	7/28/2019 3:05	28.19	102.4	7.40	6.8	SR13	7/28/2019 9:05	28.96	111.8	8.15	7.2	SR13	7/28/2019 15:05	29.08	110.7	8.02	6.4	SR13	7/28/2019 21:05	28.35	89.1	6.44	6.0
SR13	7/28/2019 3:10	28.22	102.5	7.41	8.3	SR13	7/28/2019 9:10	28.94	111.4	8.12	7.6	SR13	7/28/2019 15:10	29.07	110.3	7.99	6.0	SR13	7/28/2019 21:10	28.59	94.4	6.82	5.9
SR13	7/28/2019 3:15	28.16	103.0	7.44	7.0	SR13	7/28/2019 9:15	28.95	111.3	8.11	7.3	SR13	7/28/2019 15:15	29.12	111.7	8.08	6.2	SR13	7/28/2019 21:15	28.59	92.7	6.70	6.5
SR13	7/28/2019 3:20	28.21	102.4	7.40	7.0	SR13	7/28/2019 9:20	29.00	112.8	8.22	7.8	SR13	7/28/2019 15:20	29.27	103.0	7.47	6.3	SR13	7/28/2019 21:20	28.66	95.8	6.92	6.9
SR13	7/28/2019 3:25	28.21	101.4	7.33	6.9	SR13	7/28/2019 9:25	29.03	114.4	8.34	7.0	SR13	7/28/2019 15:25	29.22	110.1	7.97	6.4	SR13	7/28/2019 21:25	28.74	99.8	7.20	6.7
SR13	7/28/2019 3:30	28.19	99.8	7.22	7.4	SR13	7/28/2019 9:30	29.02	114.4	8.33	7.2	SR13	7/28/2019 15:30	29.29	114.0	8.26	5.9	SR13	7/28/2019 21:30	28.68	98.1	7.08	6.6
SR13	7/28/2019 3:35	28.21	99.6	7.20	6.4	SR13	7/28/2019 9:35	29.02	113.9	8.29	5.9	SR13	7/28/2019 15:35	29.12	106.4	7.72	5.9	SR13	7/28/2019 21:35	28.75	102.0	7.37	6.7
SR13	7/28/2019 3:40	28.15	97.7	7.07	6.8	SR13	7/28/2019 9:40	29.05	115.7	8.41	8.4	SR13	7/28/2019 15:40	29.15	108.7	7.87	6.7	SR13	7/28/2019 21:40	28.72	100.8	7.27	7.2
SR13	7/28/2019 3:45	28.15	98.2	7.11	10.8	SR13	7/28/2019 9:45	29.06	116.2	8.45	21.0	SR13	7/28/2019 15:45	28.95	99.9	7.25	6.4	SR13	7/28/2019 21:45	28.72	100.3	7.24	7.0
SR13	7/28/2019 3:50	28.12	97.6																				

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	7/28/2019 0:17	0.21				SR12	7/28/2019 0:17	0.20			
SR4	7/28/2019 0:37	0.19				SR12	7/28/2019 0:37	0.21			
SR4	7/28/2019 0:57	0.21				SR12	7/28/2019 0:57	0.20			
SR4	7/28/2019 1:17	0.21				SR12	7/28/2019 1:17	0.19			
SR4	7/28/2019 1:37	0.21				SR12	7/28/2019 1:37	0.20			
SR4	7/28/2019 1:57	0.20				SR12	7/28/2019 1:57	0.21			
SR4	7/28/2019 2:17	0.19				SR12	7/28/2019 2:17	0.21			
SR4	7/28/2019 2:37	0.21				SR12	7/28/2019 2:37	0.19			
SR4	7/28/2019 2:57	0.21				SR12	7/28/2019 2:57	0.20			
SR4	7/28/2019 3:17	0.21				SR12	7/28/2019 3:17	0.20			
SR4	7/28/2019 3:37	0.20				SR12	7/28/2019 3:37	0.19			
SR4	7/28/2019 3:57	0.20				SR12	7/28/2019 3:57	0.20			
SR4	7/28/2019 4:17	0.19				SR12	7/28/2019 4:17	0.21			
SR4	7/28/2019 4:37	0.19				SR12	7/28/2019 4:37	0.21			
SR4	7/28/2019 4:57	0.20				SR12	7/28/2019 4:57	0.20			
SR4	7/28/2019 5:17	0.20				SR12	7/28/2019 5:17	0.21			
SR4	7/28/2019 5:37	0.20				SR12	7/28/2019 5:37	0.20			
SR4	7/28/2019 5:57	0.20				SR12	7/28/2019 5:57	0.20			
SR4						SR12					
SR4	7/28/2019 6:37	0.19				SR12	7/28/2019 6:37	0.19			
SR4	7/28/2019 6:57	0.21				SR12	7/28/2019 6:57	0.20			
SR4	7/28/2019 7:17	0.20				SR12	7/28/2019 7:17	0.21			
SR4	7/28/2019 7:37	0.19				SR12	7/28/2019 7:37	0.20			
SR4	7/28/2019 7:57	0.19				SR12	7/28/2019 7:57	0.19			
SR4	7/28/2019 8:17	0.22				SR12	7/28/2019 8:17	0.22			
SR4	7/28/2019 8:37	0.22				SR12	7/28/2019 8:37	0.20			
SR4	7/28/2019 8:57	0.21				SR12	7/28/2019 8:57	0.21			
SR4	7/28/2019 9:17	0.21				SR12	7/28/2019 9:17	0.22			
SR4	7/28/2019 9:37	0.20				SR12	7/28/2019 9:37	0.22			
SR4	7/28/2019 9:57	0.20				SR12	7/28/2019 9:57	0.20			
SR4	7/28/2019 10:17	0.22				SR12	7/28/2019 10:17	0.22			
SR4	7/28/2019 10:37	0.20				SR12	7/28/2019 10:37	0.20			
SR4	7/28/2019 10:57	0.20				SR12	7/28/2019 10:57	0.21			
SR4	7/28/2019 11:17	0.22				SR12	7/28/2019 11:17	0.21			
SR4	7/28/2019 11:37	0.21				SR12	7/28/2019 11:37	0.21			
SR4	7/28/2019 11:57	0.21				SR12	7/28/2019 11:57	0.22			
SR4	7/28/2019 12:17	0.21				SR12	7/28/2019 12:17	0.22			
SR4	7/28/2019 12:37	0.22				SR12	7/28/2019 12:37	0.21			
SR4	7/28/2019 12:57	0.22				SR12	7/28/2019 12:57	0.21			
SR4	7/28/2019 13:17	0.22				SR12	7/28/2019 13:17	0.21			
SR4	7/28/2019 13:37	0.21				SR12	7/28/2019 13:37	0.20			
SR4	7/28/2019 13:57	0.22				SR12	7/28/2019 13:57	0.21			
SR4	7/28/2019 14:17	0.20				SR12	7/28/2019 14:17	0.21			
SR4	7/28/2019 14:37	0.22				SR12	7/28/2019 14:37	0.20			
SR4	7/28/2019 14:57	0.21				SR12	7/28/2019 14:57	0.22			
SR4	7/28/2019 15:17	0.22				SR12	7/28/2019 15:17	0.20			
SR4	7/28/2019 15:37	0.20				SR12	7/28/2019 15:37	0.21			
SR4	7/28/2019 15:57	0.21				SR12	7/28/2019 15:57	0.22			
SR4	7/28/2019 16:17	0.22				SR12	7/28/2019 16:17	0.20			
SR4	7/28/2019 16:37	0.20				SR12	7/28/2019 16:37	0.20			
SR4	7/28/2019 16:57	0.21				SR12	7/28/2019 16:57	0.22			
SR4	7/28/2019 17:17	0.20				SR12	7/28/2019 17:17	0.22			
SR4	7/28/2019 17:37	0.22				SR12	7/28/2019 17:37	0.21			
SR4	7/28/2019 17:57	0.22				SR12	7/28/2019 17:57	0.22			
SR4	7/28/2019 18:17	0.21				SR12	7/28/2019 18:17	0.20			
SR4	7/28/2019 18:37	0.20				SR12	7/28/2019 18:37	0.21			
SR4	7/28/2019 18:57	0.20				SR12	7/28/2019 18:57	0.20			
SR4	7/28/2019 19:17	0.21				SR12	7/28/2019 19:17	0.22			
SR4	7/28/2019 19:37	0.20				SR12	7/28/2019 19:37	0.21			
SR4	7/28/2019 19:57	0.21				SR12	7/28/2019 19:57	0.21			
SR4	7/28/2019 20:17	0.21				SR12	7/28/2019 20:17	0.21			
SR4	7/28/2019 20:37	0.20				SR12	7/28/2019 20:37	0.22			
SR4	7/28/2019 20:57	0.22				SR12	7/28/2019 20:57	0.20			
SR4	7/28/2019 21:17	0.21				SR12	7/28/2019 21:17	0.20			
SR4	7/28/2019 21:37	0.20				SR12	7/28/2019 21:37	0.22			
SR4	7/28/2019 21:57	0.22				SR12	7/28/2019 21:57	0.22			
SR4	7/28/2019 22:17	0.20				SR12	7/28/2019 22:17	0.21			
SR4	7/28/2019 22:37	0.20				SR12	7/28/2019 22:37	0.22			
SR4	7/28/2019 22:57	0.22				SR12	7/28/2019 22:57	0.22			
SR4	7/28/2019 23:17	0.20				SR12	7/28/2019 23:17	0.21			
SR4	7/28/2019 23:37	0.21				SR12	7/28/2019 23:37	0.21			
SR4	7/28/2019 23:57	0.22				SR12	7/28/2019 23:57	0.21			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	7/29/2019 0:01	29.60	103.3	7.54	7.3	SR4	7/29/2019 6:01	29.14	87.7	6.40	7.4	SR4	7/29/2019 12:01	29.71	88.5	6.51	8.9	SR4	7/29/2019 18:01	29.79	79.7	5.87	7.5
SR4	7/29/2019 0:06	29.60	102.4	7.47	7.0	SR4	7/29/2019 6:06	29.13	87.4	6.39	6.2	SR4	7/29/2019 12:06	29.71	87.8	6.45	7.9	SR4	7/29/2019 18:06	29.79	83.0	6.11	7.9
SR4	7/29/2019 0:11	29.58	101.9	7.45	7.8	SR4	7/29/2019 6:11	29.16	87.7	6.40	7.2	SR4	7/29/2019 12:11	29.72	87.4	6.43	7.8	SR4	7/29/2019 18:11	29.81	79.3	5.85	8.1
SR4	7/29/2019 0:16	29.53	101.0	7.38	7.3	SR4	7/29/2019 6:16	29.16	86.9	6.35	6.7	SR4						SR4	7/29/2019 18:16	29.76	77.6	5.73	8.5
SR4	7/29/2019 0:21	29.58	101.0	7.39	7.5	SR4	7/29/2019 6:21	29.14	87.2	6.37	6.4	SR4						SR4	7/29/2019 18:21	29.69	76.3	5.64	8.0
SR4	7/29/2019 0:26	29.55	101.2	7.41	6.8	SR4	7/29/2019 6:26	29.14	88.7	6.49	6.3	SR4						SR4	7/29/2019 18:26	29.69	77.1	5.69	8.0
SR4	7/29/2019 0:31	29.53	100.9	7.38	6.6	SR4	7/29/2019 6:31	29.12	87.4	6.40	6.6	SR4						SR4	7/29/2019 18:31	29.70	77.4	5.72	8.0
SR4	7/29/2019 0:36	29.55	100.7	7.36	6.7	SR4	7/29/2019 6:36	29.09	85.7	6.28	6.8	SR4						SR4	7/29/2019 18:36	29.70	77.7	5.73	8.3
SR4	7/29/2019 0:41	29.49	102.0	7.46	6.1	SR4	7/29/2019 6:41	29.16	85.8	6.29	7.5	SR4						SR4	7/29/2019 18:41	29.69	76.2	5.63	7.7
SR4	7/29/2019 0:46	29.59	102.2	7.47	6.2	SR4	7/29/2019 6:46	29.13	85.2	6.26	7.2	SR4						SR4	7/29/2019 18:46	29.71	77.6	5.73	7.6
SR4	7/29/2019 0:51	29.49	103.7	7.59	6.2	SR4	7/29/2019 6:51	29.15	85.2	6.26	7.1	SR4						SR4	7/29/2019 18:51	29.69	77.4	5.71	7.8
SR4	7/29/2019 0:56	29.49	103.3	7.55	7.0	SR4	7/29/2019 6:56	29.12	85.3	6.27	7.6	SR4						SR4	7/29/2019 18:56	29.69	77.3	5.70	7.8
SR4	7/29/2019 1:01	29.58	103.2	7.54	7.4	SR4	7/29/2019 7:01	29.08	84.4	6.22	7.0	SR4						SR4	7/29/2019 19:01	29.70	77.7	5.73	7.9
SR4	7/29/2019 1:06	29.42	102.9	7.52	6.8	SR4	7/29/2019 7:06	29.10	84.0	6.18	7.1	SR4						SR4	7/29/2019 19:06	29.67	79.5	5.87	8.2
SR4	7/29/2019 1:11	29.43	103.0	7.53	7.4	SR4	7/29/2019 7:11	29.12	83.7	6.16	7.3	SR4						SR4	7/29/2019 19:11	29.70	77.9	5.75	10.0
SR4	7/29/2019 1:16	29.42	102.7	7.51	7.0	SR4	7/29/2019 7:16	29.14	83.8	6.17	7.5	SR4						SR4	7/29/2019 19:16	29.73	77.6	5.72	7.9
SR4	7/29/2019 1:21	29.42	102.8	7.52	6.5	SR4	7/29/2019 7:21	29.12	83.0	6.10	6.5	SR4	7/29/2019 13:21	29.72	82.9	6.09	7.5	SR4	7/29/2019 19:21	29.69	77.9	5.75	7.6
SR4	7/29/2019 1:26	29.41	103.3	7.55	6.7	SR4	7/29/2019 7:26	29.13	83.3	6.11	7.1	SR4	7/29/2019 13:26	29.74	84.1	6.18	7.4	SR4	7/29/2019 19:26	29.69	77.8	5.74	7.3
SR4	7/29/2019 1:31	29.40	103.9	7.59	7.0	SR4	7/29/2019 7:31	29.12	82.5	6.06	6.9	SR4	7/29/2019 13:31	29.69	81.0	5.95	8.0	SR4	7/29/2019 19:31	29.47	75.5	5.58	7.6
SR4	7/29/2019 1:36	29.39	105.9	7.75	7.3	SR4	7/29/2019 7:36	29.13	82.3	6.04	7.7	SR4	7/29/2019 13:36	29.62	81.3	5.97	8.4	SR4	7/29/2019 19:36	29.47	75.7	5.60	7.9
SR4	7/29/2019 1:41	29.35	107.4	7.88	7.5	SR4	7/29/2019 7:41	29.13	82.2	6.04	7.1	SR4	7/29/2019 13:41	29.63	82.0	6.02	7.9	SR4	7/29/2019 19:41	29.46	75.4	5.58	8.5
SR4	7/29/2019 1:46	29.38	104.9	7.68	7.3	SR4	7/29/2019 7:46	29.16	82.0	6.02	7.2	SR4	7/29/2019 13:46	29.65	78.9	5.80	7.1	SR4	7/29/2019 19:46	29.45	74.9	5.54	8.4
SR4	7/29/2019 1:51	29.39	104.5	7.64	7.7	SR4	7/29/2019 7:51	29.16	81.6	5.98	7.8	SR4	7/29/2019 13:51	29.56	77.7	5.71	7.6	SR4	7/29/2019 19:51	29.42	74.0	5.48	8.6
SR4	7/29/2019 1:56	29.38	103.9	7.61	7.1	SR4	7/29/2019 7:56	29.15	81.2	5.96	8.3	SR4	7/29/2019 13:56	29.63	79.1	5.81	7.5	SR4	7/29/2019 19:56	29.69	77.3	5.43	8.4
SR4	7/29/2019 2:01	29.37	102.8	7.51	7.3	SR4	7/29/2019 8:01	29.19	81.1	5.95	8.0	SR4	7/29/2019 14:01	29.53	77.1	5.67	8.1	SR4	7/29/2019 20:01	29.47	73.2	5.42	7.3
SR4	7/29/2019 2:06	29.37	103.0	7.52	7.5	SR4	7/29/2019 8:06	29.18	79.8	5.87	7.9	SR4	7/29/2019 14:06	29.54	80.4	5.91	8.4	SR4	7/29/2019 20:06	29.47	73.2	5.42	9.4
SR4	7/29/2019 2:11	29.37	102.0	7.45	6.7	SR4	7/29/2019 8:11	29.18	80.5	5.91	7.6	SR4	7/29/2019 14:11	29.76	84.3	6.17	7.9	SR4	7/29/2019 20:11	29.44	74.0	5.49	8.4
SR4	7/29/2019 2:16	29.35	101.0	7.39	7.5	SR4	7/29/2019 8:16	29.19	79.9	5.88	8.5	SR4	7/29/2019 14:16	29.67	81.5	5.98	7.7	SR4	7/29/2019 20:16	29.47	73.1	5.41	8.2
SR4	7/29/2019 2:21	29.35	104.0	7.61	6.5	SR4	7/29/2019 8:21	29.19	80.7	5.93	7.7	SR4	7/29/2019 14:21	29.68	82.1	6.02	7.6	SR4	7/29/2019 20:21	29.47	73.8	5.47	8.2
SR4	7/29/2019 2:26	29.36	104.9	7.66	7.7	SR4	7/29/2019 8:26	29.17	80.3	5.90	7.9	SR4	7/29/2019 14:26	29.51	83.4	6.12	7.4	SR4	7/29/2019 20:26	29.45	73.9	5.47	8.1
SR4	7/29/2019 2:31	29.36	104.2	7.62	7.2	SR4	7/29/2019 8:31	29.18	80.5	5.93	7.5	SR4	7/29/2019 14:31	29.52	87.2	6.38	7.6	SR4	7/29/2019 20:31	29.46	73.7	5.46	8.1
SR4	7/29/2019 2:36	29.34	104.1	7.60	7.4	SR4	7/29/2019 8:36	29.18	79.4	5.84	7.4	SR4	7/29/2019 14:36	29.53	86.7	6.35	7.5	SR4	7/29/2019 20:36	29.46	74.0	5.48	8.1
SR4	7/29/2019 2:41	29.32	103.2	7.55	7.7	SR4	7/29/2019 8:41	29.18	81.0	5.96	8.6	SR4	7/29/2019 14:41	29.50	88.4	6.46	7.6	SR4	7/29/2019 20:41	29.47	74.4	5.51	8.5
SR4	7/29/2019 2:46	29.31	102.3	7.48	7.3	SR4	7/29/2019 8:46	29.22	82.4	6.05	7.3	SR4	7/29/2019 14:46	29.50	87.6	6.41	7.2	SR4	7/29/2019 20:46	29.46	74.5	5.52	8.5
SR4	7/29/2019 2:51	29.32	103.4	7.56	7.6	SR4	7/29/2019 8:51	29.28	84.3	6.19	8.0	SR4	7/29/2019 14:51	29.54	87.5	6.41	7.3	SR4	7/29/2019 20:51	29.48	74.6	5.52	7.7
SR4	7/29/2019 2:56	29.34	103.7	7.58	7.4	SR4	7/29/2019 8:56	29.25	81.4	5.99	7.5	SR4	7/29/2019 14:56	29.40	87.9	6.43	7.2	SR4	7/29/2019 20:56	29.47	74.5	5.52	7.7
SR4	7/29/2019 3:01	29.32	104.0	7.60	7.5	SR4	7/29/2019 9:01	29.22	82.9	6.10	7.3	SR4	7/29/2019 15:01	29.38	87.0	6.37	7.8	SR4	7/29/2019 21:01	29.51	74.6	5.52	7.2
SR4	7/29/2019 3:06	29.31	103.2	7.54	7.1	SR4	7/29/2019 9:06	29.31	86.2	6.32	7.7	SR4	7/29/2019 15:06	29.43	88.5	6.47	7.2	SR4	7/29/2019 21:06	29.49	75.3	5.58	7.8
SR4	7/29/2019 3:11	29.31	102.6	7.50	6.9	SR4	7/29/2019 9:11	29.35	89.9	6.59	7.1	SR4	7/29/2019 15:11	29.44	88.8	6.49	7.7	SR4	7/29/2019 21:11	29.48	75.0	5.56	6.9
SR4	7/29/2019 3:16	29.29	102.0	7.46	7.2	SR4	7/29/2019 9:16	29.36	89.2	6.54	7.7	SR4	7/29/2019 15:16	29.46	88.7	6.48	7.7	SR4	7/29/2019 21:16	29.47	75.6	5.60	7.4
SR4	7/29/2019 3:21	29.30	100.9	7.39	7.0	SR4	7/29/2019 9:21	29.32	89.5	6.62	7.5	SR4	7/29/2019 15:21	29.58	89.5	6.54	7.2	SR4	7/29/2019 21:21	29.47	76.3	5.65	7.2
SR4	7/29/2019 3:26	29.30	100.6	7.36	7.3	SR4	7/29/2019 9:26	29.35	87.9	6.50	8.4	SR4	7/29/2019 15:26	29.51	90.4	6.60	7.4	SR4	7/29/2019 21:26	29.47	76.6	5.67	6.9
SR4	7/29/2019 3:31	29.30	100.4	7.35	7.4	SR4	7/29/2019 9:31	29.31	87.4	6.46	7.8	SR4	7/29/2019 15:31	29.44	90.2	6.59	8.1	SR4	7/29/2019 21:31	29.47	76.8	5.68	7.1
SR4	7/29/2019 3:36	29.22	95.7	7.00	7.2	SR4	7/29/2019 9:36	29.26	88.4	6.54	8.2	SR4	7/29/2019 15:36	29.57	90.1	6.58	8.3	SR4	7/29/2019 21:36	29.44	76.1	5.63	7.4
SR4	7/29/2019 3:41	29.28	98.7	7.21	7.0	SR4	7/29/2019 9:41	29.38	84.7	6.27	7.9	SR4	7/29/2019 15:41	29.45	91.0	6.64	7.3	SR4	7/29/2019 21:41	29.46	76.1	5.63	8.1
SR4	7/29/2019 3:46	29.29	99.4	7.26	7.0	SR4	7/29/2019 9:46	29.49	87.2	6.45	8.0	SR4	7/29/2019 15:46	29.45	89.8	6.56	7.8	SR4	7/29/2019 21:46	29.43	76.2	5.64	7.3
SR4	7/29/2019 3:51	29.18	96.6	7.06	6.4	SR4	7/29/2019 9:51	29.48	85.5	6.33	8.5	SR4	7/29/2019 15:51	29.57	90.2	6.58	7.8	SR4	7/29/2019 21:51	29.43	76.2	5.64	7.3
SR4	7/29/2019 3:56	29.29	97.4	7.12	7.1	SR4	7/29/2019 9:56	29.49	84.6	6.27	8.3	SR4	7/29/2019 15:56	29.62	90.6	6.61	7.0	SR4	7/29/2019 21:56	29.41	76.9	5.69	7.7
SR4	7/29/2019 4:01	29.27	98.1	7.17	6.8	SR4	7/29/2019 10:01	29.48	84.8	6.28	7.9	SR4	7/29/2019 16:01	29.55	90.1	6.57	7.4	SR4	7/29/2019 22:01	29.41	76.7	5.67	7.3
SR4</																							

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	7/29/2019 0:00	28.90	152.1	10.73	7.5	SR5	7/29/2019 6:00	26.50	82.3	5.70	6.8	SR5	7/29/2019 12:00	27.94	123.1	8.60	7.9	SR5	7/29/2019 18:00	26.54	82.2	5.68	8.1
SR5	7/29/2019 0:05	28.82	151.8	10.70	7.5	SR5	7/29/2019 6:05	26.50	82.3	5.71	7.1	SR5	7/29/2019 12:05	27.95	123.2	8.61	7.6	SR5	7/29/2019 18:05	26.57	83.0	5.73	8.5
SR5	7/29/2019 0:10	28.83	151.5	10.68	7.9	SR5	7/29/2019 6:10	26.45	81.5	5.65	6.3	SR5	7/29/2019 12:10	27.72	115.9	8.09	8.0	SR5	7/29/2019 18:10	26.58	83.5	5.77	8.8
SR5	7/29/2019 0:15	28.83	151.2	10.66	8.2	SR5	7/29/2019 6:15	26.40	80.3	5.57	5.8	SR5	7/29/2019 12:15	27.51	108.8	7.59	7.3	SR5	7/29/2019 18:15	26.59	84.4	5.82	7.6
SR5	7/29/2019 0:20	28.81	150.5	10.61	7.0	SR5	7/29/2019 6:20	26.37	79.6	5.52	6.5	SR5	7/29/2019 12:20	27.41	103.7	7.23	8.0	SR5	7/29/2019 18:20	26.59	84.1	5.80	8.2
SR5	7/29/2019 0:25	28.77	149.6	10.55	7.0	SR5	7/29/2019 6:25	26.35	78.7	5.46	6.3	SR5	7/29/2019 12:25	27.78	113.5	7.90	7.9	SR5	7/29/2019 18:25	26.59	84.3	5.82	7.9
SR5	7/29/2019 0:30	28.84	151.6	10.68	5.1	SR5	7/29/2019 6:30	26.31	77.8	5.39	7.3	SR5	7/29/2019 12:30	27.94	117.5	8.18	8.7	SR5	7/29/2019 18:30	26.55	82.3	5.68	8.9
SR5	7/29/2019 0:35	28.87	152.9	10.78	6.9	SR5	7/29/2019 6:35	26.31	77.6	5.38	7.9	SR5	7/29/2019 12:35	27.67	110.3	7.69	8.1	SR5	7/29/2019 18:35	26.43	75.7	5.23	8.0
SR5	7/29/2019 0:40	28.86	152.5	10.76	5.6	SR5	7/29/2019 6:40	26.27	76.3	5.29	6.8	SR5	7/29/2019 12:40	27.69	111.9	7.80	8.7	SR5	7/29/2019 18:40	26.48	77.4	5.35	7.4
SR5	7/29/2019 0:45	28.85	152.9	10.80	5.6	SR5	7/29/2019 6:45	26.24	75.7	5.24	7.4	SR5	7/29/2019 12:45	27.70	112.2	7.82	8.3	SR5	7/29/2019 18:45	26.45	74.8	5.71	8.3
SR5	7/29/2019 0:50	28.90	154.1	10.87	6.2	SR5	7/29/2019 6:50	26.20	82.5	6.27	7.3	SR5	7/29/2019 12:50	27.44	103.4	7.21	7.5	SR5	7/29/2019 18:50	26.44	75.0	5.72	8.2
SR5	7/29/2019 0:55	28.85	149.3	10.54	6.4	SR5	7/29/2019 6:55	26.22	82.9	6.31	7.3	SR5	7/29/2019 12:55	27.42	102.3	7.13	7.6	SR5	7/29/2019 18:55	26.30	74.9	5.71	8.7
SR5	7/29/2019 1:00	28.85	150.6	10.64	6.6	SR5	7/29/2019 7:00	26.14	82.5	6.29	7.0	SR5	7/29/2019 13:00	27.45	105.7	7.36	8.6	SR5	7/29/2019 19:00	26.35	75.3	5.74	7.9
SR5	7/29/2019 1:05	28.85	150.2	10.60	7.9	SR5	7/29/2019 7:05	26.15	82.4	6.27	7.5	SR5	7/29/2019 13:05	27.33	99.0	6.90	7.7	SR5	7/29/2019 19:05	26.32	76.0	5.80	8.8
SR5	7/29/2019 1:10	28.88	152.3	10.74	5.3	SR5	7/29/2019 7:10	26.15	81.8	6.23	7.5	SR5	7/29/2019 13:10	27.61	110.1	7.66	7.3	SR5	7/29/2019 19:10	26.30	75.3	5.74	9.7
SR5	7/29/2019 1:15	28.85	150.4	10.62	4.7	SR5	7/29/2019 7:15	26.14	81.6	6.21	7.0	SR5	7/29/2019 13:15	28.28	123.2	8.54	8.7	SR5	7/29/2019 19:15	26.29	75.0	5.71	8.7
SR5	7/29/2019 1:20	28.81	143.9	10.17	6.5	SR5	7/29/2019 7:20	26.12	81.3	6.18	7.3	SR5	7/29/2019 13:20	27.65	112.7	7.84	8.2	SR5	7/29/2019 19:20	26.30	75.3	5.75	7.3
SR5	7/29/2019 1:25	28.84	148.6	10.50	4.8	SR5	7/29/2019 7:25	26.10	81.8	6.22	7.9	SR5	7/29/2019 13:25	27.82	111.8	7.76	7.8	SR5	7/29/2019 19:25	26.33	75.3	5.74	8.0
SR5	7/29/2019 1:30	28.83	150.6	10.61	6.9	SR5	7/29/2019 7:30	26.06	81.0	6.17	7.5	SR5	7/29/2019 13:30	27.99	116.3	8.07	8.3	SR5	7/29/2019 19:30	26.32	73.5	5.62	7.4
SR5	7/29/2019 1:35	28.84	148.6	10.48	7.0	SR5	7/29/2019 7:35	26.05	81.0	6.16	7.7	SR5	7/29/2019 13:35	28.15	127.1	8.82	7.8	SR5	7/29/2019 19:35	26.34	73.7	5.64	7.8
SR5	7/29/2019 1:40	28.81	147.7	10.39	5.0	SR5	7/29/2019 7:40	26.05	81.1	6.17	8.3	SR5	7/29/2019 13:40	28.10	125.1	8.69	7.3	SR5	7/29/2019 19:40	26.35	73.4	5.61	8.0
SR5	7/29/2019 1:45	28.82	146.5	10.34	8.0	SR5	7/29/2019 7:45	26.04	80.3	6.11	8.3	SR5	7/29/2019 13:45	28.42	129.5	8.97	8.2	SR5	7/29/2019 19:45	26.36	73.0	5.58	8.8
SR5	7/29/2019 1:50	28.75	144.2	10.17	6.8	SR5	7/29/2019 7:50	26.32	75.3	5.22	7.8	SR5	7/29/2019 13:50	28.15	126.0	8.74	7.2	SR5	7/29/2019 19:50	26.36	72.5	5.55	8.0
SR5	7/29/2019 1:55	28.79	147.2	10.38	6.5	SR5	7/29/2019 7:55	26.54	79.2	4.49	7.9	SR5	7/29/2019 13:55	28.08	124.1	8.62	7.3	SR5	7/29/2019 19:55	26.37	72.4	5.54	8.1
SR5	7/29/2019 2:00	28.82	146.8	10.35	7.1	SR5	7/29/2019 8:00	26.43	77.7	5.39	8.5	SR5	7/29/2019 14:00	28.09	126.5	8.78	8.4	SR5	7/29/2019 20:00	26.38	72.3	5.53	8.2
SR5	7/29/2019 2:05	28.82	147.3	10.37	5.2	SR5	7/29/2019 8:05	26.24	75.9	5.27	8.3	SR5	7/29/2019 14:05	28.01	122.8	8.53	7.5	SR5	7/29/2019 20:05	26.38	71.9	5.50	9.0
SR5	7/29/2019 2:10	28.78	146.2	10.29	4.8	SR5	7/29/2019 8:10	26.77	88.0	6.11	8.1	SR5	7/29/2019 14:10	28.33	129.0	8.93	7.7	SR5	7/29/2019 20:10	26.34	72.7	5.57	8.6
SR5	7/29/2019 2:15	28.77	145.1	10.21	7.3	SR5	7/29/2019 8:15	27.00	95.7	6.65	8.1	SR5	7/29/2019 14:15	28.40	130.8	9.05	7.6	SR5	7/29/2019 20:15	26.27	71.9	5.50	7.6
SR5	7/29/2019 2:20	28.72	143.6	10.11	4.5	SR5	7/29/2019 8:20	26.95	93.1	6.47	8.1	SR5	7/29/2019 14:20	28.48	133.1	9.21	7.2	SR5	7/29/2019 20:20	26.24	72.5	5.55	7.8
SR5	7/29/2019 2:25	28.72	139.3	9.82	8.2	SR5	7/29/2019 8:25	26.99	95.9	6.68	7.1	SR5	7/29/2019 14:25	28.35	137.9	9.58	7.8	SR5	7/29/2019 20:25	26.25	72.8	5.57	7.7
SR5	7/29/2019 2:30	28.67	138.3	9.76	7.0	SR5	7/29/2019 8:30	27.04	97.6	6.81	8.0	SR5	7/29/2019 14:30	28.26	139.8	9.72	7.7	SR5	7/29/2019 20:30	26.25	72.4	5.54	7.4
SR5	7/29/2019 2:35	28.66	136.4	9.62	8.1	SR5	7/29/2019 8:35	26.91	93.7	6.52	8.4	SR5	7/29/2019 14:35	28.29	140.4	9.75	8.6	SR5	7/29/2019 20:35	26.25	72.8	5.57	7.4
SR5	7/29/2019 2:40	28.26	123.9	8.71	5.4	SR5	7/29/2019 8:40	27.03	95.9	6.68	7.4	SR5	7/29/2019 14:40	28.27	140.0	9.72	7.7	SR5	7/29/2019 20:40	26.25	72.7	5.56	8.0
SR5	7/29/2019 2:45	28.67	133.8	9.42	4.7	SR5	7/29/2019 8:45	27.36	103.5	7.24	7.3	SR5	7/29/2019 14:45	28.30	141.9	9.86	7.0	SR5	7/29/2019 20:45	26.24	73.0	5.58	7.9
SR5	7/29/2019 2:50	28.79	135.8	9.55	5.6	SR5	7/29/2019 8:50	27.87	116.0	8.15	8.5	SR5	7/29/2019 14:50	28.26	138.8	9.65	7.3	SR5	7/29/2019 20:50	26.22	73.2	5.60	7.3
SR5	7/29/2019 2:55	28.08	127.2	8.93	7.9	SR5	7/29/2019 8:55	27.67	111.5	7.83	7.8	SR5	7/29/2019 14:55	28.37	138.6	9.61	7.3	SR5	7/29/2019 20:55	26.22	73.1	5.59	7.7
SR5	7/29/2019 3:00	28.57	132.0	9.29	8.4	SR5	7/29/2019 9:00	27.76	114.2	8.03	8.4	SR5	7/29/2019 15:00	28.33	138.1	9.59	7.5	SR5	7/29/2019 21:00	26.23	73.3	5.60	6.9
SR5	7/29/2019 3:05	28.57	133.5	9.39	5.1	SR5	7/29/2019 9:05	27.80	116.4	8.18	7.4	SR5	7/29/2019 15:05	28.29	136.5	9.47	8.3	SR5	7/29/2019 21:05	26.21	73.3	5.61	7.8
SR5	7/29/2019 3:10	28.69	136.4	9.60	7.1	SR5	7/29/2019 9:10	28.00	120.5	8.48	7.5	SR5	7/29/2019 15:10	28.19	134.1	9.30	7.2	SR5	7/29/2019 21:10	26.20	73.1	5.60	7.6
SR5	7/29/2019 3:15	28.71	139.5	9.82	7.8	SR5	7/29/2019 9:15	27.92	119.8	8.43	7.6	SR5	7/29/2019 15:15	28.25	135.5	9.40	7.9	SR5	7/29/2019 21:15	26.19	73.6	5.63	8.1
SR5	7/29/2019 3:20	28.65	136.8	9.63	7.1	SR5	7/29/2019 9:20	27.86	120.0	8.44	7.7	SR5	7/29/2019 15:20	28.14	128.5	8.93	8.1	SR5	7/29/2019 21:20	26.20	74.3	5.68	8.0
SR5	7/29/2019 3:25	28.64	138.5	9.76	7.0	SR5	7/29/2019 9:25	27.81	117.3	8.25	7.9	SR5	7/29/2019 15:25	28.21	131.2	9.10	7.7	SR5	7/29/2019 21:25	26.21	74.5	5.69	7.3
SR5	7/29/2019 3:30	28.67	138.1	9.74	7.7	SR5	7/29/2019 9:30	27.81	117.2	8.24	7.8	SR5	7/29/2019 15:30	27.97	123.2	8.57	8.8	SR5	7/29/2019 21:30	26.22	74.3	5.67	7.9
SR5	7/29/2019 3:35	28.49	135.9	9.57	7.2	SR5	7/29/2019 9:35	27.84	117.5	8.26	7.5	SR5	7/29/2019 15:35	27.98	118.8	8.25	8.9	SR5	7/29/2019 21:35	26.22	73.8	5.64	7.5
SR5	7/29/2019 3:40	28.33	128.4	9.03	4.8	SR5	7/29/2019 9:40	27.87	123.0	8.66	7.4	SR5	7/29/2019 15:40	27.97	122.3	8.50	7.0	SR5	7/29/2019 21:40	26.22	74.1	5.66	8.8
SR5	7/29/2019 3:45	28.44	132.0	9.30	8.2	SR5	7/29/2019 9:45	27.97	125.6	8.84	7.4	SR5	7/29/2019 15:45	27.61	105.8	7.36	8.1	SR5	7/29/2019 21:45	26.23	74.1	5.66	7.9
SR5	7/29/2019 3:50	28.40	128.8	9.06	6.1	SR5	7/29/2019 9:50	28.10	128.9	9.08	8.1	SR5	7/29/2019 15:50	27.80	115.0	7.99	7.7	SR5	7/29/2019 21:50				

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	7/29/2019 0:01	28.82	119.1	8.60	6.5	SR12	7/29/2019 6:01	27.84	90.5	8.55	7.7	SR12	7/29/2019 12:01	28.72	110.2	7.96	8.4	SR12	7/29/2019 18:01	29.04	91.6	6.61	6.4
SR12	7/29/2019 0:06	28.81	118.0	8.52	6.7	SR12	7/29/2019 6:06	27.83	89.2	6.46	6.2	SR12	7/29/2019 12:06	28.74	109.6	7.91	6.6	SR12	7/29/2019 18:06	29.00	97.9	7.05	7.8
SR12	7/29/2019 0:11	28.78	117.9	8.52	7.8	SR12	7/29/2019 6:11	27.86	89.7	6.49	6.4	SR12	7/29/2019 12:11	28.71	108.2	7.81	6.7	SR12	7/29/2019 18:11	29.04	90.0	6.49	7.5
SR12	7/29/2019 0:16	28.68	116.7	8.44	7.1	SR12	7/29/2019 6:16	27.84	89.4	6.47	6.8	SR12	7/29/2019 12:16	28.78	108.6	7.84	6.7	SR12	7/29/2019 18:16	28.96	85.6	6.19	7.9
SR12	7/29/2019 0:21	28.80	116.7	8.45	7.1	SR12	7/29/2019 6:21	27.79	88.7	6.42	6.0	SR12	7/29/2019 12:21	28.71	107.4	7.76	9.9	SR12	7/29/2019 18:21	28.81	83.2	6.02	7.1
SR12	7/29/2019 0:26	28.70	116.7	8.45	6.7	SR12	7/29/2019 6:26	27.81	90.9	6.59	6.4	SR12	7/29/2019 12:26	28.62	109.1	7.88	6.7	SR12	7/29/2019 18:26	28.81	84.2	6.08	7.7
SR12	7/29/2019 0:31	28.69	116.3	8.42	6.5	SR12	7/29/2019 6:31	27.76	89.2	6.47	6.3	SR12	7/29/2019 12:31	28.69	105.5	7.61	7.8	SR12	7/29/2019 18:31	28.82	84.0	6.08	6.9
SR12	7/29/2019 0:36	28.70	116.5	8.43	6.0	SR12	7/29/2019 6:36	27.73	87.2	6.33	6.5	SR12	7/29/2019 12:36	28.66	106.9	7.71	6.8	SR12	7/29/2019 18:36	28.82	85.0	6.13	8.0
SR12	7/29/2019 0:41	28.60	118.1	8.55	6.0	SR12	7/29/2019 6:41	27.82	87.3	6.33	8.1	SR12	7/29/2019 12:41	28.65	105.6	7.62	7.9	SR12	7/29/2019 18:41	28.83	83.1	6.01	6.1
SR12	7/29/2019 0:46	28.78	118.7	8.59	6.0	SR12	7/29/2019 6:46	27.81	86.2	6.27	7.6	SR12	7/29/2019 12:46	28.71	104.0	7.50	6.9	SR12	7/29/2019 18:46	28.82	84.2	6.08	6.3
SR12	7/29/2019 0:51	28.61	120.7	8.74	6.1	SR12	7/29/2019 6:51	27.82	86.4	6.28	5.7	SR12	7/29/2019 12:51	28.74	104.1	7.51	7.7	SR12	7/29/2019 18:51	28.79	84.5	6.09	7.2
SR12	7/29/2019 0:56	28.59	120.2	8.69	6.8	SR12	7/29/2019 6:56	27.73	86.7	6.31	7.2	SR12	7/29/2019 12:56	28.66	103.7	7.48	6.9	SR12	7/29/2019 18:56	28.82	85.8	6.19	6.1
SR12	7/29/2019 1:01	28.76	120.4	8.70	7.6	SR12	7/29/2019 7:01	27.70	87.0	6.34	6.3	SR12	7/29/2019 13:01	28.70	105.0	7.58	7.4	SR12	7/29/2019 19:01	28.81	86.8	6.26	7.2
SR12	7/29/2019 1:06	28.47	119.9	8.67	7.3	SR12	7/29/2019 7:06	27.71	86.6	6.31	7.6	SR12	7/29/2019 13:06	28.48	103.2	7.46	6.9	SR12	7/29/2019 19:06	28.79	89.2	6.45	7.0
SR12	7/29/2019 1:11	28.48	119.7	8.66	7.7	SR12	7/29/2019 7:11	27.73	85.7	6.25	6.6	SR12	7/29/2019 13:11	28.67	100.2	7.25	7.4	SR12	7/29/2019 19:11	28.82	86.7	6.25	15.4
SR12	7/29/2019 1:16	28.44	119.3	8.63	6.4	SR12	7/29/2019 7:16	27.78	85.6	6.24	7.0	SR12	7/29/2019 13:16	28.60	96.8	7.00	7.3	SR12	7/29/2019 19:16	28.86	86.3	6.21	7.3
SR12	7/29/2019 1:21	28.48	119.0	8.61	6.5	SR12	7/29/2019 7:21	27.77	84.8	6.18	6.6	SR12	7/29/2019 13:21	28.70	100.2	7.22	5.8	SR12	7/29/2019 19:21	28.80	86.1	6.21	7.1
SR12	7/29/2019 1:26	28.45	119.9	8.67	6.1	SR12	7/29/2019 7:26	27.76	84.1	6.12	6.7	SR12	7/29/2019 13:26	28.77	101.4	7.30	6.4	SR12	7/29/2019 19:26	28.80	84.6	6.10	6.4
SR12	7/29/2019 1:31	28.42	120.3	8.70	6.7	SR12	7/29/2019 7:31	27.76	83.6	6.08	6.5	SR12	7/29/2019 13:31	28.66	96.7	6.97	6.6	SR12	7/29/2019 19:31	28.76	81.3	5.88	6.4
SR12	7/29/2019 1:36	28.40	123.3	8.93	7.3	SR12	7/29/2019 7:36	27.74	82.7	6.02	7.1	SR12	7/29/2019 13:36	28.53	96.9	6.98	7.8	SR12	7/29/2019 19:36	28.74	81.7	5.91	7.8
SR12	7/29/2019 1:41	28.34	125.3	9.11	6.8	SR12	7/29/2019 7:41	27.73	82.4	6.00	7.7	SR12	7/29/2019 13:41	28.55	97.1	6.99	7.5	SR12	7/29/2019 19:41	28.73	80.3	5.80	7.5
SR12	7/29/2019 1:46	28.39	122.0	8.84	6.8	SR12	7/29/2019 7:46	27.78	81.8	5.96	6.5	SR12	7/29/2019 13:46	28.59	91.6	6.60	6.3	SR12	7/29/2019 19:46	28.74	79.6	5.75	8.2
SR12	7/29/2019 1:51	28.41	121.2	8.78	7.1	SR12	7/29/2019 7:51	27.79	81.4	5.92	7.1	SR12	7/29/2019 13:51	28.41	91.3	6.58	7.3	SR12	7/29/2019 19:51	28.68	77.3	5.60	7.7
SR12	7/29/2019 1:56	28.39	119.6	8.67	6.6	SR12	7/29/2019 7:56	27.77	80.9	5.89	7.2	SR12	7/29/2019 13:56	28.56	92.8	6.68	6.5	SR12	7/29/2019 19:56	28.68	77.2	5.59	7.5
SR12	7/29/2019 2:01	28.37	118.1	8.54	7.2	SR12	7/29/2019 8:01	27.85	81.1	5.90	6.5	SR12	7/29/2019 14:01	28.32	90.0	6.49	7.0	SR12	7/29/2019 20:01	28.68	76.8	5.56	6.7
SR12	7/29/2019 2:06	28.39	118.3	8.55	7.9	SR12	7/29/2019 8:06	27.84	81.1	5.90	6.6	SR12	7/29/2019 14:06	28.36	96.1	6.92	8.5	SR12	7/29/2019 20:06	28.67	76.0	5.50	6.6
SR12	7/29/2019 2:11	28.36	117.3	8.48	6.3	SR12	7/29/2019 8:11	27.83	81.2	5.91	6.6	SR12	7/29/2019 14:11	28.78	103.2	7.40	7.0	SR12	7/29/2019 20:11	28.66	77.1	5.59	8.1
SR12	7/29/2019 2:16	28.32	115.4	8.36	7.3	SR12	7/29/2019 8:16	27.82	80.4	5.85	7.7	SR12	7/29/2019 14:16	28.58	97.6	7.02	7.3	SR12	7/29/2019 20:16	28.66	76.7	5.55	16.2
SR12	7/29/2019 2:21	28.34	118.6	8.59	6.3	SR12	7/29/2019 8:21	27.83	80.0	5.82	6.2	SR12	7/29/2019 14:21	28.60	97.5	7.01	7.1	SR12	7/29/2019 20:21	28.66	77.6	5.62	7.1
SR12	7/29/2019 2:26	28.33	119.6	8.64	7.7	SR12	7/29/2019 8:26	27.80	79.0	5.75	6.7	SR12	7/29/2019 14:26	28.60	99.3	7.13	6.1	SR12	7/29/2019 20:26	28.65	78.4	5.67	8.2
SR12	7/29/2019 2:31	28.32	118.6	8.58	7.0	SR12	7/29/2019 8:31	27.79	79.4	5.79	6.9	SR12	7/29/2019 14:31	28.64	105.2	7.54	6.1	SR12	7/29/2019 20:31	28.66	77.8	5.63	7.4
SR12	7/29/2019 2:36	28.28	118.2	8.54	8.6	SR12	7/29/2019 8:36	27.81	77.9	5.67	6.8	SR12	7/29/2019 14:36	28.65	104.5	7.50	6.9	SR12	7/29/2019 20:36	28.63	78.2	5.66	8.0
SR12	7/29/2019 2:41	28.28	117.7	8.52	7.1	SR12	7/29/2019 8:41	27.80	79.5	5.80	7.8	SR12	7/29/2019 14:41	28.63	107.3	7.69	5.9	SR12	7/29/2019 20:41	28.63	78.5	5.68	7.9
SR12	7/29/2019 2:46	28.25	116.3	8.42	7.7	SR12	7/29/2019 8:46	27.89	81.6	5.94	6.6	SR12	7/29/2019 14:46	28.62	106.0	7.60	6.3	SR12	7/29/2019 20:46	28.64	78.7	5.70	9.1
SR12	7/29/2019 2:51	28.25	117.7	8.51	8.3	SR12	7/29/2019 8:51	27.99	84.0	6.11	7.3	SR12	7/29/2019 14:51	28.56	105.5	7.58	5.6	SR12	7/29/2019 20:51	28.66	78.9	5.71	6.2
SR12	7/29/2019 2:56	28.26	117.3	8.48	7.0	SR12	7/29/2019 8:56	27.95	82.0	5.97	6.8	SR12	7/29/2019 14:56	28.30	107.2	7.69	6.1	SR12	7/29/2019 20:56	28.64	79.1	5.73	6.7
SR12	7/29/2019 3:01	28.25	117.8	8.51	7.7	SR12	7/29/2019 9:01	27.88	82.9	6.04	6.5	SR12	7/29/2019 15:01	28.27	104.9	7.53	7.1	SR12	7/29/2019 21:01	28.71	78.8	5.71	6.0
SR12	7/29/2019 3:06	28.24	116.9	8.45	7.2	SR12	7/29/2019 9:06	28.07	87.2	6.33	6.4	SR12	7/29/2019 15:06	28.41	107.7	7.70	6.0	SR12	7/29/2019 21:06	28.67	79.0	5.72	6.0
SR12	7/29/2019 3:11	28.23	116.2	8.40	7.6	SR12	7/29/2019 9:11	28.14	92.3	6.70	6.2	SR12	7/29/2019 15:11	28.42	108.2	7.74	5.9	SR12	7/29/2019 21:11	28.65	78.4	5.68	5.7
SR12	7/29/2019 3:16	28.22	115.0	8.31	7.2	SR12	7/29/2019 9:16	28.13	92.2	6.70	6.6	SR12	7/29/2019 15:16	28.43	108.8	7.78	6.1	SR12	7/29/2019 21:16	28.62	78.4	5.68	5.9
SR12	7/29/2019 3:21	28.22	113.4	8.21	7.2	SR12	7/29/2019 9:21	28.05	95.6	6.97	6.6	SR12	7/29/2019 15:21	28.67	111.4	7.98	5.8	SR12	7/29/2019 21:21	28.62	78.9	5.71	6.3
SR12	7/29/2019 3:26	28.20	112.2	8.12	7.8	SR12	7/29/2019 9:26	28.12	95.3	6.94	7.2	SR12	7/29/2019 15:26	28.51	112.2	8.03	5.6	SR12	7/29/2019 21:26	28.60	80.7	5.83	5.8
SR12	7/29/2019 3:31	28.19	111.1	8.04	6.4	SR12	7/29/2019 9:31	28.07	93.5	6.81	7.5	SR12	7/29/2019 15:31	28.36	111.0	7.94	7.0	SR12	7/29/2019 21:31	28.59	80.7	5.83	6.3
SR12	7/29/2019 3:36	28.07	104.4	7.55	6.5	SR12	7/29/2019 9:36	27.93	96.1	7.01	7.0	SR12	7/29/2019 15:36	28.65	111.5	7.98	6.2	SR12	7/29/2019 21:36	28.56	80.9	5.85	6.4
SR12	7/29/2019 3:41	28.18	108.7	7.86	6.0	SR12	7/29/2019 9:41	28.19	98.9	7.20	7.7	SR12	7/29/2019 15:41	28.38	113.1	8.09	6.7	SR12	7/29/2019 21:41	28.58	81.5	5.89	6.7
SR12	7/29/2019 3:46	28.22	109.9	7.94	6.3	SR12	7/29/2019 9:46	28.40	103.3	7.51	6.8	SR12	7/29/2019 15:46	28.38	112.2	8.03	6.4	SR12	7/29/2019 21:46	28.53	81.9	5.93	6.1
SR12	7/29/2019 3:51	27.96	106.3	7.68	5.7	SR12	7/29/2																

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	7/29/2019 0:00	29.11	117.9	8.54	7.0	SR13	7/29/2019 6:00	27.91	80.2	5.85	6.6	SR13	7/29/2019 12:00	28.81	100.2	7.24	6.8	SR13	7/29/2019 18:00	28.43	82.9	6.01	7.7
SR13	7/29/2019 0:05	29.08	118.0	8.55	6.6	SR13	7/29/2019 6:05	27.91	79.8	5.82	6.7	SR13	7/29/2019 12:05	28.84	100.9	7.29	6.9	SR13	7/29/2019 18:05	28.43	81.8	5.93	7.4
SR13	7/29/2019 0:10	29.07	118.1	8.55	7.1	SR13	7/29/2019 6:10	27.89	79.1	5.76	6.4	SR13	7/29/2019 12:10	28.72	96.5	6.98	7.2	SR13	7/29/2019 18:10	28.41	79.8	5.79	7.7
SR13	7/29/2019 0:15	29.07	119.1	8.63	7.4	SR13	7/29/2019 6:15	27.87	78.4	5.72	6.6	SR13	7/29/2019 12:15	28.59	94.0	6.80	7.5	SR13	7/29/2019 18:15	28.41	80.4	5.82	7.8
SR13	7/29/2019 0:20	29.03	119.6	8.69	6.8	SR13	7/29/2019 6:20	27.85	78.2	5.71	6.9	SR13	7/29/2019 12:20	28.56	92.3	6.68	7.7	SR13	7/29/2019 18:20	28.40	79.5	5.76	7.8
SR13	7/29/2019 0:25	29.04	118.1	8.56	6.8	SR13	7/29/2019 6:25	27.86	77.2	5.64	6.4	SR13	7/29/2019 12:25	28.71	93.5	6.76	7.1	SR13	7/29/2019 18:25	28.41	79.7	5.77	7.8
SR13	7/29/2019 0:30	29.07	118.6	8.59	6.2	SR13	7/29/2019 6:30	27.85	76.6	5.59	6.5	SR13	7/29/2019 12:30	28.69	94.7	6.85	7.9	SR13	7/29/2019 18:30	28.38	78.3	5.68	8.2
SR13	7/29/2019 0:35	29.07	118.6	8.60	6.7	SR13	7/29/2019 6:35	27.84	76.2	5.56	7.3	SR13	7/29/2019 12:35	28.66	92.9	6.72	7.2	SR13	7/29/2019 18:35	28.34	76.0	5.52	7.9
SR13	7/29/2019 0:40	29.06	117.6	8.52	6.5	SR13	7/29/2019 6:40	27.86	75.8	5.53	6.7	SR13	7/29/2019 12:40	28.57	92.6	6.71	7.7	SR13	7/29/2019 18:40	28.36	76.5	5.56	7.3
SR13	7/29/2019 0:45	29.07	117.7	8.53	6.9	SR13	7/29/2019 6:45	27.85	75.3	5.50	6.9	SR13	7/29/2019 12:45	28.59	95.1	6.88	8.2	SR13	7/29/2019 18:45	28.35	75.4	5.67	8.8
SR13	7/29/2019 0:50	29.08	117.9	8.54	6.3	SR13	7/29/2019 6:50	27.82	77.7	5.86	6.7	SR13	7/29/2019 12:50	28.66	94.6	6.84	7.1	SR13	7/29/2019 18:50	28.34	75.4	5.67	8.0
SR13	7/29/2019 0:55	29.04	115.8	8.40	6.9	SR13	7/29/2019 6:55	27.83	77.4	5.83	7.3	SR13	7/29/2019 12:55	28.57	92.0	6.66	7.4	SR13	7/29/2019 18:55	28.28	74.3	5.59	10.3
SR13	7/29/2019 1:00	29.05	117.9	8.56	6.5	SR13	7/29/2019 7:00	27.81	76.8	5.79	6.6	SR13	7/29/2019 13:00	28.59	93.0	6.72	7.6	SR13	7/29/2019 19:00	28.30	74.5	5.61	7.6
SR13	7/29/2019 1:05	29.04	118.2	8.57	7.5	SR13	7/29/2019 7:05	27.80	76.0	5.74	7.1	SR13	7/29/2019 13:05	28.55	91.1	6.59	6.8	SR13	7/29/2019 19:05	28.30	75.9	5.71	8.3
SR13	7/29/2019 1:10	29.06	118.3	8.57	6.3	SR13	7/29/2019 7:10	27.79	76.3	5.76	7.0	SR13	7/29/2019 13:10	28.66	97.4	7.02	6.8	SR13	7/29/2019 19:10	28.29	74.9	5.63	8.3
SR13	7/29/2019 1:15	29.03	117.3	8.51	6.7	SR13	7/29/2019 7:15	27.80	75.7	5.71	6.6	SR13	7/29/2019 13:15	28.90	101.8	7.32	7.7	SR13	7/29/2019 19:15	28.27	74.8	5.62	8.1
SR13	7/29/2019 1:20	29.01	114.7	8.33	6.8	SR13	7/29/2019 7:20	27.79	76.3	5.75	7.2	SR13	7/29/2019 13:20	28.68	99.4	7.16	7.2	SR13	7/29/2019 19:20	28.27	74.7	5.62	7.7
SR13	7/29/2019 1:25	29.00	115.7	8.40	6.4	SR13	7/29/2019 7:25	27.81	77.6	5.85	7.0	SR13	7/29/2019 13:25	28.74	98.0	7.06	7.2	SR13	7/29/2019 19:25	28.29	75.2	5.65	8.1
SR13	7/29/2019 1:30	29.00	117.0	8.48	7.3	SR13	7/29/2019 7:30	27.84	78.3	5.90	7.0	SR13	7/29/2019 13:30	28.77	99.2	7.15	7.0	SR13	7/29/2019 19:30	28.30	75.4	5.67	6.9
SR13	7/29/2019 1:35	29.01	116.2	8.42	7.1	SR13	7/29/2019 7:35	27.83	77.8	5.86	7.0	SR13	7/29/2019 13:35	28.72	100.6	7.45	6.9	SR13	7/29/2019 19:35	28.31	75.7	5.70	7.2
SR13	7/29/2019 1:40	28.99	116.0	8.40	6.5	SR13	7/29/2019 7:40	27.79	77.9	5.88	7.1	SR13	7/29/2019 13:40	28.69	101.9	7.34	7.3	SR13	7/29/2019 19:40	28.33	74.7	5.63	7.1
SR13	7/29/2019 1:45	29.00	115.2	8.36	7.3	SR13	7/29/2019 7:45	27.87	79.3	5.97	7.0	SR13	7/29/2019 13:45	28.87	104.9	7.53	7.2	SR13	7/29/2019 19:45	28.32	75.1	5.65	7.3
SR13	7/29/2019 1:50	28.96	114.0	8.27	7.1	SR13	7/29/2019 7:50	27.99	79.7	5.81	6.7	SR13	7/29/2019 13:50	28.77	104.0	7.47	6.6	SR13	7/29/2019 19:50	28.31	74.2	5.59	6.9
SR13	7/29/2019 1:55	28.97	114.5	8.30	6.8	SR13	7/29/2019 7:55	28.06	80.9	5.90	7.1	SR13	7/29/2019 13:55	28.76	103.8	7.46	6.8	SR13	7/29/2019 19:55	28.31	74.2	5.59	7.1
SR13	7/29/2019 2:00	28.99	113.7	8.25	7.1	SR13	7/29/2019 8:00	28.00	81.5	5.95	7.3	SR13	7/29/2019 14:00	28.86	106.0	7.62	7.0	SR13	7/29/2019 20:00	28.30	74.2	5.58	7.2
SR13	7/29/2019 2:05	28.97	113.2	8.21	6.5	SR13	7/29/2019 8:05	27.95	80.7	5.90	7.3	SR13	7/29/2019 14:05	28.76	104.9	7.55	6.5	SR13	7/29/2019 20:05	28.30	74.9	5.63	7.2
SR13	7/29/2019 2:10	28.95	112.7	8.17	6.0	SR13	7/29/2019 8:10	28.12	84.0	6.12	7.4	SR13	7/29/2019 14:10	28.82	106.6	7.65	7.4	SR13	7/29/2019 20:10	28.28	75.4	5.67	7.4
SR13	7/29/2019 2:15	28.91	109.8	7.96	6.7	SR13	7/29/2019 8:15	28.15	88.1	6.41	7.4	SR13	7/29/2019 14:15	28.96	107.7	7.73	6.8	SR13	7/29/2019 20:15	28.24	75.0	5.64	7.0
SR13	7/29/2019 2:20	28.93	111.0	8.05	5.8	SR13	7/29/2019 8:20	28.23	88.6	6.45	7.7	SR13	7/29/2019 14:20	28.88	109.3	7.84	7.3	SR13	7/29/2019 20:20	28.25	75.7	5.70	7.4
SR13	7/29/2019 2:25	28.94	110.1	7.99	7.0	SR13	7/29/2019 8:25	28.33	91.6	6.67	6.8	SR13	7/29/2019 14:25	28.84	111.0	7.97	7.1	SR13	7/29/2019 20:25	28.23	76.1	5.72	6.9
SR13	7/29/2019 2:30	28.82	107.9	7.83	6.2	SR13	7/29/2019 8:30	28.33	90.9	6.62	7.4	SR13	7/29/2019 14:30	28.91	111.9	8.03	7.0	SR13	7/29/2019 20:30	28.23	75.5	5.68	6.6
SR13	7/29/2019 2:35	28.90	107.7	7.82	7.2	SR13	7/29/2019 8:35	28.30	89.4	6.51	7.5	SR13						SR13	7/29/2019 20:35	28.21	75.5	5.68	6.7
SR13	7/29/2019 2:40	28.76	103.5	7.51	6.0	SR13	7/29/2019 8:40	28.35	89.7	6.52	6.8	SR13						SR13	7/29/2019 20:40	28.22	74.9	5.63	6.9
SR13	7/29/2019 2:45	28.91	108.1	7.84	6.2	SR13	7/29/2019 8:45	28.49	93.5	6.80	7.1	SR13						SR13	7/29/2019 20:45	28.21	75.0	5.64	6.7
SR13	7/29/2019 2:50	28.96	109.1	7.91	6.1	SR13	7/29/2019 8:50	28.66	97.6	7.10	7.3	SR13						SR13	7/29/2019 20:50	28.21	75.0	5.64	6.7
SR13	7/29/2019 2:55	28.70	105.9	7.68	7.6	SR13	7/29/2019 8:55	28.58	96.0	6.98	7.3	SR13						SR13	7/29/2019 20:55	28.21	74.7	5.62	6.6
SR13	7/29/2019 3:00	28.80	107.8	7.82	7.4	SR13	7/29/2019 9:00	28.62	96.8	7.05	7.1	SR13	7/29/2019 15:00	28.93	107.4	7.63	6.6	SR13	7/29/2019 21:00	28.22	74.6	5.61	6.5
SR13	7/29/2019 3:05	28.80	108.3	7.86	6.3	SR13	7/29/2019 9:05	28.62	97.8	7.12	6.9	SR13	7/29/2019 15:05	28.98	108.0	7.67	6.8	SR13	7/29/2019 21:05	28.22	74.6	5.62	6.9
SR13	7/29/2019 3:10	28.82	109.4	7.94	7.3	SR13	7/29/2019 9:10	28.69	99.4	7.24	7.0	SR13	7/29/2019 15:10	28.97	105.6	7.50	6.3	SR13	7/29/2019 21:10	28.15	74.9	5.64	6.5
SR13	7/29/2019 3:15	28.80	109.2	7.93	7.1	SR13	7/29/2019 9:15	28.66	100.0	7.28	6.5	SR13	7/29/2019 15:15	29.07	106.5	7.56	6.5	SR13	7/29/2019 21:15	28.19	75.8	5.69	6.7
SR13	7/29/2019 3:20	28.78	108.9	7.91	6.8	SR13	7/29/2019 9:20	28.66	100.8	7.33	7.4	SR13	7/29/2019 15:20	28.95	104.5	7.53	7.0	SR13	7/29/2019 21:20	28.21	74.8	5.62	7.0
SR13	7/29/2019 3:25	28.78	108.8	7.90	6.9	SR13	7/29/2019 9:25	28.66	99.7	7.25	7.6	SR13	7/29/2019 15:25	29.04	106.8	7.67	6.7	SR13	7/29/2019 21:25	28.21	75.1	5.65	6.8
SR13	7/29/2019 3:30	28.78	107.7	7.82	7.1	SR13	7/29/2019 9:30	28.68	100.1	7.28	6.8	SR13	7/29/2019 15:30	28.90	106.2	7.65	6.8	SR13	7/29/2019 21:30	28.20	75.0	5.63	6.7
SR13	7/29/2019 3:35	28.67	105.0	7.62	6.9	SR13	7/29/2019 9:35	28.67	99.8	7.25	7.0	SR13	7/29/2019 15:35	29.02	107.4	7.71	7.2	SR13	7/29/2019 21:35	28.20	74.0	5.56	6.5
SR13	7/29/2019 3:40	28.51	99.3	7.21	6.2	SR13	7/29/2019 9:40	28.73	103.3	7.50	7.0	SR13	7/29/2019 15:40	28.91	104.8	7.55	6.6	SR13	7/29/2019 21:40	28.17	73.8	5.55	7.2
SR13	7/29/2019 3:45	28.55	100.3	7.29	7.3	SR13	7/29/2019 9:45	28.78	105.3	7.65	7.0	SR13	7/29/2019 15:45	28.77	98.7	7.12	6.9	SR13	7/29/2019 21:45	28.17	73.9	5.55	6.8
SR13	7/29/2019 3:50	28.54	99.7	7.24	6.8	SR13	7/29/2019 9:50	28.85	106.7	7.74	7.3	SR13	7/29/2019 15:50	28.78	99.8	7.21	7.0	SR13	7/29/2019 21:50	28.16	74.1	5.57	6.7
SR13																							

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	7/29/2019 0:17	0.22				SR12	7/29/2019 0:17	0.20			
SR4	7/29/2019 0:37	0.21				SR12	7/29/2019 0:37	0.21			
SR4	7/29/2019 0:57	0.21				SR12	7/29/2019 0:57	0.21			
SR4	7/29/2019 1:17	0.20				SR12	7/29/2019 1:17	0.22			
SR4	7/29/2019 1:37	0.21				SR12	7/29/2019 1:37	0.21			
SR4	7/29/2019 1:57	0.22				SR12	7/29/2019 1:57	0.21			
SR4	7/29/2019 2:17	0.20				SR12	7/29/2019 2:17	0.21			
SR4	7/29/2019 2:37	0.20				SR12	7/29/2019 2:37	0.21			
SR4	7/29/2019 2:57	0.20				SR12	7/29/2019 2:57	0.21			
SR4	7/29/2019 3:17	0.20				SR12	7/29/2019 3:17	0.22			
SR4	7/29/2019 3:37	0.20				SR12	7/29/2019 3:37	0.20			
SR4	7/29/2019 3:57	0.20				SR12	7/29/2019 3:57	0.20			
SR4	7/29/2019 4:17	0.20				SR12	7/29/2019 4:17	0.20			
SR4	7/29/2019 4:37	0.21				SR12	7/29/2019 4:37	0.22			
SR4	7/29/2019 4:57	0.21				SR12	7/29/2019 4:57	0.21			
SR4	7/29/2019 5:17	0.20				SR12	7/29/2019 5:17	0.21			
SR4	7/29/2019 5:37	0.22				SR12	7/29/2019 5:37	0.21			
SR4	7/29/2019 5:57	0.20				SR12	7/29/2019 5:57	0.20			
SR4						SR12					
SR4	7/29/2019 6:37	0.21				SR12	7/29/2019 6:37	0.20			
SR4	7/29/2019 6:57	0.20				SR12	7/29/2019 6:57	0.21			
SR4	7/29/2019 7:17	0.22				SR12	7/29/2019 7:17	0.20			
SR4	7/29/2019 7:37	0.21				SR12	7/29/2019 7:37	0.22			
SR4	7/29/2019 7:57	0.21				SR12	7/29/2019 7:57	0.22			
SR4	7/29/2019 8:17	0.20				SR12	7/29/2019 8:17	0.22			
SR4	7/29/2019 8:37	0.20				SR12	7/29/2019 8:37	0.21			
SR4	7/29/2019 8:57	0.21				SR12	7/29/2019 8:57	0.20			
SR4	7/29/2019 9:17	0.22				SR12	7/29/2019 9:17	0.20			
SR4	7/29/2019 9:37	0.22				SR12	7/29/2019 9:37	0.22			
SR4	7/29/2019 9:57	0.22				SR12					
SR4	7/29/2019 10:17	0.22				SR12					
SR4	7/29/2019 10:37	0.21				SR12					
SR4	7/29/2019 10:57	0.22				SR12					
SR4	7/29/2019 11:17	0.22				SR12					
SR4	7/29/2019 11:37	0.22				SR12	7/29/2019 11:37	0.22			
SR4	7/29/2019 11:57	0.22				SR12	7/29/2019 11:57	0.22			
SR4						SR12	7/29/2019 12:17	0.22			
SR4						SR12	7/29/2019 12:37	0.21			
SR4						SR12	7/29/2019 12:57	0.21			
SR4						SR12	7/29/2019 13:17	0.22			
SR4						SR12	7/29/2019 13:37	0.21			
SR4	7/29/2019 13:57	0.20				SR12	7/29/2019 13:57	0.20			
SR4	7/29/2019 14:17	0.21				SR12	7/29/2019 14:17	0.20			
SR4	7/29/2019 14:37	0.21				SR12	7/29/2019 14:37	0.22			
SR4	7/29/2019 14:57	0.21				SR12	7/29/2019 14:57	0.20			
SR4	7/29/2019 15:17	0.21				SR12	7/29/2019 15:17	0.22			
SR4	7/29/2019 15:37	0.20				SR12	7/29/2019 15:37	0.21			
SR4	7/29/2019 15:57	0.20				SR12	7/29/2019 15:57	0.21			
SR4	7/29/2019 16:17	0.22				SR12	7/29/2019 16:17	0.22			
SR4	7/29/2019 16:37	0.21				SR12	7/29/2019 16:37	0.22			
SR4	7/29/2019 16:57	0.21				SR12	7/29/2019 16:57	0.22			
SR4	7/29/2019 17:17	0.20				SR12	7/29/2019 17:17	0.21			
SR4	7/29/2019 17:37	0.22				SR12	7/29/2019 17:37	0.22			
SR4	7/29/2019 17:57	0.20				SR12	7/29/2019 17:57	0.20			
SR4	7/29/2019 18:17	0.22				SR12	7/29/2019 18:17	0.21			
SR4	7/29/2019 18:37	0.20				SR12	7/29/2019 18:37	0.22			
SR4	7/29/2019 18:57	0.21				SR12	7/29/2019 18:57	0.22			
SR4	7/29/2019 19:17	0.22				SR12	7/29/2019 19:17	0.22			
SR4	7/29/2019 19:37	0.22				SR12	7/29/2019 19:37	0.20			
SR4	7/29/2019 19:57	0.20				SR12	7/29/2019 19:57	0.21			
SR4	7/29/2019 20:17	0.21				SR12	7/29/2019 20:17	0.20			
SR4	7/29/2019 20:37	0.20				SR12	7/29/2019 20:37	0.22			
SR4	7/29/2019 20:57	0.20				SR12	7/29/2019 20:57	0.21			
SR4	7/29/2019 21:17	0.20				SR12	7/29/2019 21:17	0.20			
SR4	7/29/2019 21:37	0.20				SR12	7/29/2019 21:37	0.22			
SR4	7/29/2019 21:57	0.20				SR12	7/29/2019 21:57	0.22			
SR4	7/29/2019 22:17	0.22				SR12	7/29/2019 22:17	0.21			
SR4	7/29/2019 22:37	0.22				SR12	7/29/2019 22:37	0.21			
SR4	7/29/2019 22:57	0.21				SR12	7/29/2019 22:57	0.21			
SR4	7/29/2019 23:17	0.22				SR12	7/29/2019 23:17	0.22			
SR4	7/29/2019 23:37	0.22				SR12	7/29/2019 23:37	0.22			
SR4	7/29/2019 23:57	0.22				SR12	7/29/2019 23:57	0.20			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH₃-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR4 monitoring station was under maintenance during 12:11-13:21.
 SR12 monitoring station was under maintenance during 9:51-11:01.
 SR13 monitoring station was under maintenance during 14:30-15:00.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	7/30/2019 0:01	29.42	76.0	5.61	7.2	SR4	7/30/2019 6:01	29.05	73.6	5.42	7.2	SR4	7/30/2019 12:01	29.66	81.7	6.02	6.5	SR4	7/30/2019 18:01	28.88	71.2	5.18	6.4
SR4	7/30/2019 0:06	29.37	75.3	5.57	7.4	SR4	7/30/2019 6:06	29.14	73.8	5.44	7.1	SR4	7/30/2019 12:06	29.66	84.2	6.20	6.9	SR4	7/30/2019 18:06	28.77	69.9	5.02	6.5
SR4	7/30/2019 0:11	29.36	74.8	5.53	6.7	SR4	7/30/2019 6:11	29.18	73.7	5.42	7.8	SR4	7/30/2019 12:11	29.66	82.7	6.09	7.8	SR4	7/30/2019 18:11	28.77	68.2	4.97	6.8
SR4	7/30/2019 0:16	29.37	76.8	5.68	7.6	SR4	7/30/2019 6:16	29.18	73.3	5.40	7.2	SR4	7/30/2019 12:16	29.68	83.7	6.16	6.7	SR4	7/30/2019 18:16	28.69	64.8	4.73	7.1
SR4	7/30/2019 0:21	29.37	77.0	5.70	7.1	SR4	7/30/2019 6:21	29.18	73.5	5.41	6.9	SR4	7/30/2019 12:21	29.69	83.9	6.17	6.6	SR4	7/30/2019 18:21	28.64	65.3	4.77	7.4
SR4	7/30/2019 0:26	29.38	78.6	5.81	7.6	SR4	7/30/2019 6:26	29.18	72.9	5.37	7.9	SR4	7/30/2019 12:26	29.68	82.1	6.05	7.8	SR4	7/30/2019 18:26	28.65	64.2	4.69	7.1
SR4	7/30/2019 0:31	29.36	78.3	5.78	6.8	SR4	7/30/2019 6:31	29.18	73.6	5.41	7.6	SR4	7/30/2019 12:31	29.72	82.7	6.09	7.9	SR4	7/30/2019 18:31	28.64	63.3	4.63	7.1
SR4	7/30/2019 0:36	29.40	77.0	5.68	6.8	SR4	7/30/2019 6:36	29.17	74.1	5.45	7.3	SR4	7/30/2019 12:36	29.69	83.1	6.11	6.7	SR4	7/30/2019 18:36	28.57	62.3	4.55	5.1
SR4	7/30/2019 0:41	29.40	77.7	5.74	6.9	SR4	7/30/2019 6:41	29.17	73.7	5.42	7.4	SR4	7/30/2019 12:41	29.70	80.8	5.96	7.3	SR4	7/30/2019 18:41	28.57	74.1	5.49	1.6
SR4	7/30/2019 0:46	29.44	78.4	5.78	6.8	SR4	7/30/2019 6:46	29.17	73.8	5.42	8.0	SR4	7/30/2019 12:46	29.68	80.8	5.95	7.7	SR4	7/30/2019 18:46	28.55	74.8	5.54	2.2
SR4	7/30/2019 0:51	29.41	79.1	5.83	7.1	SR4	7/30/2019 6:51	29.18	73.4	5.39	6.8	SR4	7/30/2019 12:51	29.67	79.1	5.82	7.2	SR4	7/30/2019 18:51	28.54	75.3	5.59	7.0
SR4	7/30/2019 0:56	29.41	77.5	5.72	7.1	SR4	7/30/2019 6:56	29.19	73.4	5.40	7.6	SR4	7/30/2019 12:56	29.72	80.4	5.91	7.7	SR4	7/30/2019 18:56	28.51	77.8	5.76	6.2
SR4	7/30/2019 1:01	29.42	77.1	5.69	7.2	SR4	7/30/2019 7:01	29.17	73.4	5.40	7.6	SR4	7/30/2019 13:01	29.74	82.4	6.05	7.9	SR4	7/30/2019 19:01	28.52	76.7	5.68	6.4
SR4	7/30/2019 1:06	29.44	77.5	5.72	7.7	SR4	7/30/2019 7:06	29.17	73.6	5.42	7.6	SR4	7/30/2019 13:06	29.69	79.4	5.84	6.8	SR4	7/30/2019 19:06	28.52	75.3	5.58	6.6
SR4	7/30/2019 1:11	29.41	79.0	5.83	7.3	SR4	7/30/2019 7:11	29.16	73.5	5.41	7.5	SR4	7/30/2019 13:11	29.69	79.4	5.84	7.7	SR4	7/30/2019 19:11	28.52	75.5	5.59	6.7
SR4	7/30/2019 1:16	29.43	78.8	5.81	7.5	SR4	7/30/2019 7:16	29.15	73.5	5.41	6.7	SR4	7/30/2019 13:16	29.68	79.6	5.86	7.5	SR4	7/30/2019 19:16	28.49	75.7	5.60	7.0
SR4	7/30/2019 1:21	29.43	78.5	5.78	7.1	SR4	7/30/2019 7:21	29.19	72.5	5.33	7.5	SR4	7/30/2019 13:21	29.69	80.9	5.96	7.2	SR4	7/30/2019 19:21	28.50	76.1	5.64	6.5
SR4	7/30/2019 1:26	29.47	80.5	5.93	7.1	SR4	7/30/2019 7:26	29.25	76.0	5.59	7.0	SR4	7/30/2019 13:26	29.67	80.6	5.93	7.0	SR4	7/30/2019 19:26	28.48	75.4	5.59	7.2
SR4	7/30/2019 1:31	29.42	79.4	5.85	6.8	SR4	7/30/2019 7:31	29.21	74.9	5.52	7.4	SR4	7/30/2019 13:31	29.68	80.3	5.91	7.5	SR4	7/30/2019 19:31	28.48	75.4	5.59	8.1
SR4	7/30/2019 1:36	29.45	78.0	5.75	6.9	SR4	7/30/2019 7:36	29.24	76.4	5.63	7.8	SR4	7/30/2019 13:36	29.68	79.2	5.84	7.4	SR4	7/30/2019 19:36	28.48	75.2	5.57	6.6
SR4	7/30/2019 1:41	29.46	78.6	5.79	7.4	SR4	7/30/2019 7:41	29.21	74.1	5.45	7.2	SR4	7/30/2019 13:41	29.67	79.0	5.82	6.2	SR4	7/30/2019 19:41	28.46	75.5	5.59	7.1
SR4	7/30/2019 1:46	29.44	79.1	5.82	7.1	SR4	7/30/2019 7:46	29.23	75.0	5.52	7.3	SR4	7/30/2019 13:46	29.71	81.8	6.01	7.3	SR4	7/30/2019 19:46	28.59	77.0	5.70	7.4
SR4	7/30/2019 1:51	29.44	79.1	5.83	7.5	SR4	7/30/2019 7:51	29.26	74.3	5.47	7.3	SR4	7/30/2019 13:51	29.77	83.9	6.16	7.4	SR4	7/30/2019 19:51	28.72	76.6	5.66	7.7
SR4	7/30/2019 1:56	29.42	79.9	5.82	6.9	SR4	7/30/2019 7:56	29.22	72.4	5.34	7.3	SR4	7/30/2019 13:56	29.73	83.7	6.15	7.5	SR4	7/30/2019 19:56	28.66	76.5	5.66	8.5
SR4	7/30/2019 2:01	29.43	78.3	5.76	7.4	SR4	7/30/2019 8:01	29.22	73.5	5.42	7.3	SR4	7/30/2019 14:01	29.81	82.2	6.04	6.5	SR4	7/30/2019 20:01	28.57	77.1	5.71	8.6
SR4	7/30/2019 2:06	29.43	78.5	5.79	6.8	SR4	7/30/2019 8:06	29.23	72.3	5.33	6.3	SR4	7/30/2019 14:06	29.76	82.0	6.02	6.6	SR4	7/30/2019 20:06	28.44	76.2	5.64	6.6
SR4	7/30/2019 2:11	29.44	78.6	5.79	6.9	SR4	7/30/2019 8:11	29.23	71.4	5.27	7.0	SR4	7/30/2019 14:11	29.75	80.8	5.96	6.9	SR4	7/30/2019 20:11	28.94	75.8	5.61	7.1
SR4	7/30/2019 2:16	29.42	78.0	5.74	7.4	SR4	7/30/2019 8:16	29.28	74.8	5.51	6.3	SR4	7/30/2019 14:16	29.73	80.7	5.94	6.7	SR4	7/30/2019 20:16	28.91	75.5	5.59	6.5
SR4	7/30/2019 2:21	29.41	78.0	5.75	7.0	SR4	7/30/2019 8:21	29.26	74.3	5.47	7.0	SR4	7/30/2019 14:21	29.74	79.7	5.87	6.7	SR4	7/30/2019 20:21	28.95	76.5	5.67	6.5
SR4	7/30/2019 2:26	29.28	78.0	5.75	7.3	SR4	7/30/2019 8:26	29.25	73.9	5.45	6.9	SR4	7/30/2019 14:26	29.74	79.1	5.83	6.6	SR4	7/30/2019 20:26	28.61	76.8	5.68	6.9
SR4	7/30/2019 2:31	29.37	78.1	5.76	7.1	SR4	7/30/2019 8:31	29.28	73.4	5.42	6.5	SR4	7/30/2019 14:31	29.80	78.0	5.74	7.1	SR4	7/30/2019 20:31	28.60	76.7	5.67	7.1
SR4	7/30/2019 2:36	29.28	77.4	5.69	6.8	SR4	7/30/2019 8:36	29.24	73.3	5.42	7.4	SR4	7/30/2019 14:36	29.73	80.3	5.90	7.6	SR4	7/30/2019 20:36	28.57	76.5	5.67	7.5
SR4	7/30/2019 2:41	29.23	77.2	5.68	7.3	SR4	7/30/2019 8:41	29.28	73.7	5.44	6.4	SR4	7/30/2019 14:41	29.92	80.2	5.89	6.7	SR4	7/30/2019 20:41	28.54	76.1	5.64	7.7
SR4	7/30/2019 2:46	29.21	76.8	5.66	6.6	SR4	7/30/2019 8:46	29.28	73.5	5.43	7.5	SR4	7/30/2019 14:46	29.87	80.8	5.93	6.6	SR4	7/30/2019 20:46	28.62	75.9	5.62	6.0
SR4	7/30/2019 2:51	29.19	79.8	5.88	6.9	SR4	7/30/2019 8:51	29.28	74.5	5.49	6.5	SR4	7/30/2019 14:51	29.89	80.7	5.92	6.8	SR4	7/30/2019 20:51	28.58	74.0	5.48	6.5
SR4	7/30/2019 2:56	29.18	80.8	5.97	6.6	SR4	7/30/2019 8:56	29.31	75.1	5.54	7.4	SR4	7/30/2019 14:56	29.76	76.0	5.60	7.0	SR4	7/30/2019 20:56	28.59	74.1	5.49	6.5
SR4	7/30/2019 3:01	29.18	79.1	5.83	7.3	SR4	7/30/2019 9:01	29.34	77.1	5.68	7.1	SR4	7/30/2019 15:01	29.85	78.8	5.79	7.2	SR4	7/30/2019 21:01	28.61	75.2	5.57	6.4
SR4	7/30/2019 3:06	29.17	78.7	5.80	7.3	SR4	7/30/2019 9:06	29.33	75.0	5.54	7.0	SR4	7/30/2019 15:06	29.76	78.1	5.75	7.1	SR4	7/30/2019 21:06	28.69	74.9	5.55	7.2
SR4	7/30/2019 3:11	29.19	78.8	5.81	7.5	SR4	7/30/2019 9:11	29.34	75.8	5.59	6.8	SR4	7/30/2019 15:11	29.72	78.2	5.76	7.2	SR4	7/30/2019 21:11	28.67	73.9	5.47	6.7
SR4	7/30/2019 3:16	29.19	78.6	5.79	6.7	SR4	7/30/2019 9:16	29.31	75.4	5.57	6.8	SR4	7/30/2019 15:16	29.69	78.0	5.74	7.3	SR4	7/30/2019 21:16	28.68	73.1	5.42	6.6
SR4	7/30/2019 3:21	29.20	78.8	5.80	6.8	SR4	7/30/2019 9:21	29.33	74.8	5.52	6.9	SR4	7/30/2019 15:21	29.72	78.0	5.75	6.4	SR4	7/30/2019 21:21	28.60	73.3	5.44	7.1
SR4	7/30/2019 3:26	29.05	78.5	5.78	7.4	SR4	7/30/2019 9:26	29.41	78.3	5.77	7.0	SR4	7/30/2019 15:26	29.68	77.9	5.74	6.5	SR4	7/30/2019 21:26	28.59	72.6	5.38	6.5
SR4	7/30/2019 3:31	29.07	79.1	5.82	7.3	SR4	7/30/2019 9:31	29.44	80.1	5.90	7.0	SR4	7/30/2019 15:31	29.61	76.6	5.64	6.4	SR4	7/30/2019 21:31	28.58	73.3	5.35	6.5
SR4	7/30/2019 3:36	29.06	79.1	5.83	7.3	SR4	7/30/2019 9:36	29.46	80.1	5.89	6.9	SR4	7/30/2019 15:36	29.22	75.4	5.57	7.6	SR4	7/30/2019 21:36	28.60	74.6	5.43	7.2
SR4	7/30/2019 3:41	29.07	78.5	5.77	6.6	SR4	7/30/2019 9:41	29.42	80.1	5.89	6.5	SR4	7/30/2019 15:41	29.21	75.3	5.56	6.7	SR4	7/30/2019 21:41	28.51	72.1	5.26	7.2
SR4	7/30/2019 3:46	29.11	78.8	5.79	7.1	SR4	7/30/2019 9:46	29.50	80.9	5.95	6.8	SR4	7/30/2019 15:46	29.23	73.6	5.44	6.1	SR4	7/30/2019 21:46	28.57	72.2	5.27	7.4
SR4	7/30/2019 3:51	29.13	80.0	5.88	7.0	SR4	7/30/2019 9:51	29.47	79.5	5.85	6.1	SR4	7/30/2019 15:51	29.21	76.7	5.66	7.2	SR4	7/30/2019 21:51	28.53	69.2	5.05	7.1
SR4	7/30/2019 3:56	29.10	80.2	5.90	7.4	SR4	7/30/2019 9:56	29															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	7/30/2019 0:00	26.48	80.3	5.53	7.7	SR5	7/30/2019 6:00	26.00	72.5	5.53	8.1	SR5	7/30/2019 12:00	27.35	102.1	7.06	6.3	SR5	7/30/2019 18:00	26.85	69.7	5.31	7.6
SR5	7/30/2019 0:05	26.52	79.9	5.51	8.1	SR5	7/30/2019 6:05	25.98	72.4	5.52	7.1	SR5	7/30/2019 12:05	27.48	105.3	7.28	6.2	SR5	7/30/2019 18:05	26.62	68.9	5.22	6.5
SR5	7/30/2019 0:10	26.65	83.4	5.76	6.8	SR5	7/30/2019 6:10	26.01	72.7	5.54	8.7	SR5	7/30/2019 12:10	27.32	101.9	7.05	8.3	SR5	7/30/2019 18:10	26.45	68.4	5.18	7.6
SR5	7/30/2019 0:15	26.76	88.8	6.14	8.4	SR5	7/30/2019 6:15	26.01	72.3	5.52	7.7	SR5	7/30/2019 12:15	27.25	97.4	6.74	6.9	SR5	7/30/2019 18:15	26.53	66.9	5.03	7.3
SR5	7/30/2019 0:20	26.81	89.4	6.19	7.1	SR5	7/30/2019 6:20	25.94	72.2	5.50	7.1	SR5	7/30/2019 12:20	27.23	96.7	6.69	7.6	SR5	7/30/2019 18:20	26.45	76.8	5.32	7.6
SR5	7/30/2019 0:25	26.92	91.3	6.32	7.2	SR5	7/30/2019 6:25	26.10	72.0	5.49	7.9	SR5	7/30/2019 12:25	27.24	95.2	6.59	7.9	SR5	7/30/2019 18:25	26.35	66.5	5.01	6.4
SR5	7/30/2019 0:30	27.11	96.9	6.72	7.6	SR5	7/30/2019 6:30	26.19	72.2	5.50	7.2	SR5	7/30/2019 12:30	27.28	97.1	6.71	7.0	SR5	7/30/2019 18:30	26.39	65.9	4.96	6.2
SR5	7/30/2019 0:35	26.99	93.6	6.49	7.7	SR5	7/30/2019 6:35	25.93	72.6	5.53	7.3	SR5	7/30/2019 12:35	27.21	95.5	6.60	7.6	SR5	7/30/2019 18:35	26.36	65.9	4.94	4.8
SR5	7/30/2019 0:40	27.02	92.3	6.40	7.3	SR5	7/30/2019 6:40	26.10	72.4	5.51	7.7	SR5	7/30/2019 12:40	27.18	94.9	6.57	8.0	SR5	7/30/2019 18:40	26.35	71.3	5.52	4.2
SR5	7/30/2019 0:45	27.15	96.4	6.68	6.9	SR5	7/30/2019 6:45	25.90	72.5	5.52	8.2	SR5	7/30/2019 12:45	27.30	96.3	6.66	7.3	SR5	7/30/2019 18:45	26.37	72.0	5.57	3.4
SR5	7/30/2019 0:50	27.11	97.2	6.74	7.2	SR5	7/30/2019 6:50	25.95	72.4	5.51	7.9	SR5	7/30/2019 12:50	27.51	105.6	7.29	7.5	SR5	7/30/2019 18:50	26.41	72.4	5.61	7.2
SR5	7/30/2019 0:55	27.13	97.0	6.73	7.3	SR5	7/30/2019 6:55	25.99	72.1	5.49	7.1	SR5	7/30/2019 12:55	27.69	111.3	7.68	6.2	SR5	7/30/2019 18:55	26.41	73.6	5.72	7.3
SR5	7/30/2019 1:00	27.11	96.7	6.71	7.9	SR5	7/30/2019 7:00	25.77	72.5	5.52	7.8	SR5	7/30/2019 13:00	27.55	107.6	7.43	7.4	SR5	7/30/2019 19:00	26.37	73.0	5.66	5.5
SR5	7/30/2019 1:05	27.09	95.6	6.63	7.6	SR5	7/30/2019 7:05	25.80	72.4	5.52	8.2	SR5	7/30/2019 13:05	27.62	105.3	7.27	6.1	SR5	7/30/2019 19:05	26.40	72.0	5.68	7.1
SR5	7/30/2019 1:10	27.14	94.6	6.56	7.7	SR5	7/30/2019 7:10	25.80	72.3	5.51	7.9	SR5	7/30/2019 13:10	27.57	104.9	7.24	7.9	SR5	7/30/2019 19:10	26.40	72.5	5.61	6.0
SR5	7/30/2019 1:15	27.15	96.6	6.70	7.5	SR5	7/30/2019 7:15	25.75	72.5	5.53	8.1	SR5	7/30/2019 13:15	27.35	94.1	6.52	6.7	SR5	7/30/2019 19:15	26.40	72.0	5.61	5.9
SR5	7/30/2019 1:20	27.06	93.6	6.49	7.5	SR5	7/30/2019 7:20	25.86	71.5	5.45	7.3	SR5	7/30/2019 13:20	27.26	96.2	6.66	5.9	SR5	7/30/2019 19:20	26.40	72.3	5.61	7.1
SR5	7/30/2019 1:25	27.09	93.7	6.50	7.8	SR5	7/30/2019 7:25	25.78	73.9	5.63	7.6	SR5	7/30/2019 13:25	27.41	91.1	6.30	5.7	SR5	7/30/2019 19:25	26.40	72.1	5.59	8.0
SR5	7/30/2019 1:30	27.07	93.4	6.47	7.1	SR5	7/30/2019 7:30	25.83	73.4	5.59	7.1	SR5	7/30/2019 13:30	27.32	93.3	6.46	8.0	SR5	7/30/2019 19:30	26.39	72.2	5.59	6.4
SR5	7/30/2019 1:35	27.09	93.9	6.51	7.3	SR5	7/30/2019 7:35	25.81	74.2	5.66	7.8	SR5	7/30/2019 13:35	27.32	91.4	6.32	7.7	SR5	7/30/2019 19:35	26.39	72.0	5.58	7.0
SR5	7/30/2019 1:40	27.07	92.8	6.43	8.4	SR5	7/30/2019 7:40	25.76	72.5	5.52	7.2	SR5	7/30/2019 13:40	27.40	99.2	6.86	6.9	SR5	7/30/2019 19:40	26.37	72.0	5.58	6.2
SR5	7/30/2019 1:45	27.09	93.2	6.46	7.3	SR5	7/30/2019 7:45	25.85	73.1	5.57	7.4	SR5	7/30/2019 13:45	27.49	102.0	7.04	6.4	SR5	7/30/2019 19:45	26.32	73.0	5.67	7.0
SR5	7/30/2019 1:50	27.07	93.6	6.48	7.5	SR5	7/30/2019 7:50	25.85	73.0	5.56	7.3	SR5	7/30/2019 13:50	27.54	104.1	7.18	7.1	SR5	7/30/2019 19:50	26.34	72.4	5.62	6.1
SR5	7/30/2019 1:55	27.07	92.6	6.42	6.8	SR5	7/30/2019 7:55	25.88	71.6	5.46	7.2	SR5	7/30/2019 13:55	27.64	105.3	7.26	8.3	SR5	7/30/2019 19:55	26.31	72.5	5.63	6.0
SR5	7/30/2019 2:00	27.08	93.9	6.51	7.9	SR5	7/30/2019 8:00	25.94	72.3	5.52	8.3	SR5	7/30/2019 14:00	27.18	87.5	6.06	5.5	SR5	7/30/2019 20:00	26.25	73.1	5.68	6.6
SR5	7/30/2019 2:05	27.10	93.9	6.51	8.1	SR5	7/30/2019 8:05	26.07	71.4	5.45	8.0	SR5	7/30/2019 14:05	27.44	95.1	6.57	7.9	SR5	7/30/2019 20:05	26.22	72.3	5.61	8.4
SR5	7/30/2019 2:10	27.10	94.2	6.53	8.2	SR5	7/30/2019 8:10	25.94	70.9	5.42	7.6	SR5	7/30/2019 14:10	27.26	90.0	6.22	7.0	SR5	7/30/2019 20:10	26.26	72.2	5.60	8.1
SR5	7/30/2019 2:15	27.13	95.1	6.59	7.9	SR5	7/30/2019 8:15	25.94	73.1	5.57	6.8	SR5					SR5	7/30/2019 20:15	26.24	72.3	5.60	6.1	
SR5	7/30/2019 2:20	27.14	95.8	6.64	8.2	SR5	7/30/2019 8:20	25.86	72.8	5.54	7.8	SR5					SR5	7/30/2019 20:20	26.33	72.8	5.65	5.8	
SR5	7/30/2019 2:25	27.14	95.3	6.60	8.5	SR5	7/30/2019 8:25	25.93	72.8	5.56	7.7	SR5					SR5	7/30/2019 20:25	26.14	73.0	5.66	7.4	
SR5	7/30/2019 2:30	27.14	95.3	6.60	7.2	SR5	7/30/2019 8:30	26.27	72.4	5.53	7.6	SR5					SR5	7/30/2019 20:30	26.10	72.8	5.65	6.6	
SR5	7/30/2019 2:35	27.14	94.6	6.55	6.8	SR5	7/30/2019 8:35	26.40	72.4	5.53	7.3	SR5					SR5	7/30/2019 20:35	26.19	72.8	5.65	6.8	
SR5	7/30/2019 2:40	27.14	94.0	6.52	8.4	SR5	7/30/2019 8:40	26.48	79.8	5.50	7.3	SR5	7/30/2019 14:40	27.27	82.6	5.72	6.7	SR5	7/30/2019 20:40	26.17	72.3	5.61	7.3
SR5	7/30/2019 2:45	27.13	93.8	6.50	8.0	SR5	7/30/2019 8:45	26.37	77.8	5.36	8.4	SR5	7/30/2019 14:45	27.19	82.2	5.69	6.4	SR5	7/30/2019 20:45	26.17	72.6	5.62	5.2
SR5	7/30/2019 2:50	27.14	93.1	6.45	7.9	SR5	7/30/2019 8:50	26.41	77.5	5.33	6.8	SR5	7/30/2019 14:50	27.04	78.1	5.41	5.8	SR5	7/30/2019 20:50	26.17	71.7	5.54	7.8
SR5	7/30/2019 2:55	27.13	94.1	6.53	8.0	SR5	7/30/2019 8:55	26.38	76.7	5.28	7.6	SR5	7/30/2019 14:55	27.46	90.5	6.27	7.1	SR5	7/30/2019 20:55	26.15	71.7	5.54	6.2
SR5	7/30/2019 3:00	27.12	91.9	6.39	8.1	SR5	7/30/2019 9:00	26.33	77.3	5.31	8.3	SR5	7/30/2019 15:00	27.39	89.2	6.19	6.2	SR5	7/30/2019 21:00	26.17	72.1	5.58	5.8
SR5	7/30/2019 3:05	27.13	91.2	6.34	7.3	SR5	7/30/2019 9:05	26.28	77.3	5.31	7.9	SR5	7/30/2019 15:05	27.29	85.4	5.92	7.7	SR5	7/30/2019 21:05	26.28	72.0	5.57	7.4
SR5	7/30/2019 3:10	27.13	91.5	6.35	7.1	SR5	7/30/2019 9:10	26.28	77.5	5.33	6.7	SR5	7/30/2019 15:10	27.41	88.2	6.11	6.3	SR5	7/30/2019 21:10	26.24	71.3	5.51	6.2
SR5	7/30/2019 3:15	27.14	92.4	6.41	7.5	SR5	7/30/2019 9:15	26.33	76.5	5.28	7.9	SR5	7/30/2019 15:15	27.57	98.2	6.79	7.0	SR5	7/30/2019 21:15	26.19	71.3	5.50	6.7
SR5	7/30/2019 3:20	27.12	93.8	6.51	8.3	SR5	7/30/2019 9:20	26.37	78.1	5.38	8.3	SR5	7/30/2019 15:20	27.62	98.4	6.80	7.2	SR5	7/30/2019 21:20	26.19	70.8	5.48	8.1
SR5	7/30/2019 3:25	27.14	94.6	6.56	8.3	SR5	7/30/2019 9:25	26.33	77.0	5.30	7.0	SR5	7/30/2019 15:25	27.68	102.2	7.06	7.9	SR5	7/30/2019 21:25	26.12	70.6	5.45	7.9
SR5	7/30/2019 3:30	27.13	93.5	6.49	8.4	SR5	7/30/2019 9:30	26.43	80.7	5.56	8.0	SR5	7/30/2019 15:30	27.56	99.0	6.84	6.1	SR5	7/30/2019 21:30	26.13	71.4	5.45	8.0
SR5	7/30/2019 3:35	27.13	91.9	6.37	7.8	SR5	7/30/2019 9:35	26.36	78.3	5.39	7.5	SR5	7/30/2019 15:35	27.58	97.4	6.75	6.6	SR5	7/30/2019 21:35	26.14	71.5	5.47	6.0
SR5	7/30/2019 3:40	27.12	90.1	6.25	7.9	SR5	7/30/2019 9:40	26.49	82.1	5.65	7.8	SR5	7/30/2019 15:40	27.49	96.3	6.67	6.0	SR5	7/30/2019 21:40	26.16	70.6	5.39	8.1
SR5	7/30/2019 3:45	27.06	88.2	6.12	7.9	SR5	7/30/2019 9:45	26.59	84.2	5.79	8.0	SR5	7/30/2019 15:45	27.52	97.3	6.73	6.1	SR5	7/30/2019 21:45	26.13	70.9	5.40	6.6
SR5	7/30/2019 3:50	27.02	87.2	6.04	7.5	SR5	7/30/2019 9:50	26.56	86.1	5.93	7.3	SR5	7/30/2019 15:50	27.60	97.2	6.72	6.2	SR5	7/30/2019 21:50	26.09	69.3	5.26	7.5
SR5	7/30/2019 3:55	26.98	86.6	6.00	7.9	SR5	7/30/2019 9:55	26.58	86.8	5.98	8.1	SR5	7/30/2019 15:55	27.65	98.3	6.79	7.6	SR5	7/30/2019 21:55	26.10	69.8	5.32	7.5
SR5	7/30/2019 4:00																						

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	7/30/2019 0:01	28.42	80.7	5.83	5.9	SR12	7/30/2019 6:01	27.69	73.2	5.32	5.8	SR12	7/30/2019 12:01	28.54	88.4	6.39	6.2	SR12	7/30/2019 18:01	26.87	67.2	4.68	6.0
SR12	7/30/2019 0:06	28.35	81.1	5.86	5.7	SR12	7/30/2019 6:06	27.89	72.1	5.24	6.2	SR12	7/30/2019 12:06	28.56	88.5	6.40	6.3	SR12	7/30/2019 18:06	26.65	61.8	4.30	5.8
SR12	7/30/2019 0:11	28.33	82.8	5.98	5.6	SR12	7/30/2019 6:11	27.95	72.0	5.23	6.3	SR12	7/30/2019 12:11	28.56	89.1	6.44	6.7	SR12	7/30/2019 18:11	26.67	59.4	4.13	6.1
SR12	7/30/2019 0:16	28.34	82.9	6.00	6.3	SR12	7/30/2019 6:16	27.94	71.6	5.20	6.1	SR12	7/30/2019 12:16	28.55	87.9	6.35	5.9	SR12	7/30/2019 18:16	26.46	57.5	4.00	6.4
SR12	7/30/2019 0:21	28.36	82.9	6.01	5.5	SR12	7/30/2019 6:21	27.93	71.0	5.16	6.0	SR12	7/30/2019 12:21	28.59	90.6	6.55	6.2	SR12	7/30/2019 18:21	26.41	55.3	3.85	6.0
SR12	7/30/2019 0:26	28.34	82.9	6.00	5.8	SR12	7/30/2019 6:26	27.90	70.0	5.08	6.4	SR12	7/30/2019 12:26	28.53	87.2	6.31	6.7	SR12	7/30/2019 18:26	26.42	55.7	3.88	6.0
SR12	7/30/2019 0:31	28.35	82.8	5.99	5.4	SR12	7/30/2019 6:31	27.90	70.7	5.13	6.3	SR12	7/30/2019 12:31	28.60	87.9	6.35	6.9	SR12	7/30/2019 18:31	26.39	52.5	3.65	6.1
SR12	7/30/2019 0:36	28.38	82.7	5.98	5.8	SR12	7/30/2019 6:36	27.89	70.5	5.12	5.6	SR12	7/30/2019 12:36	28.57	86.3	6.24	6.2	SR12	7/30/2019 18:36	26.25	52.1	3.62	6.2
SR12	7/30/2019 0:41	28.39	82.1	5.94	5.3	SR12	7/30/2019 6:41	27.87	69.2	5.03	5.9	SR12	7/30/2019 12:41	28.57	86.0	6.22	7.2	SR12	7/30/2019 18:41	26.24	73.7	5.35	5.5
SR12	7/30/2019 0:46	28.48	82.1	5.93	5.2	SR12	7/30/2019 6:46	27.90	69.5	5.05	6.4	SR12	7/30/2019 12:46	28.54	84.1	6.07	6.4	SR12	7/30/2019 18:46	26.20	73.8	5.36	6.1
SR12	7/30/2019 0:51	28.43	82.2	5.95	5.9	SR12	7/30/2019 6:51	27.89	68.6	4.98	5.5	SR12	7/30/2019 12:51	28.54	83.3	6.01	7.0	SR12	7/30/2019 18:51	26.22	73.2	5.32	6.1
SR12	7/30/2019 0:56	28.45	80.7	5.84	5.8	SR12	7/30/2019 6:56	27.89	68.0	4.94	6.4	SR12	7/30/2019 12:56	28.59	86.7	6.24	6.6	SR12	7/30/2019 18:56	26.14	75.0	5.44	5.7
SR12	7/30/2019 1:01	28.43	80.9	5.85	5.9	SR12	7/30/2019 7:01	27.87	68.5	4.98	6.3	SR12	7/30/2019 13:01	28.61	88.6	6.37	6.8	SR12	7/30/2019 19:01	26.15	72.6	5.27	5.7
SR12	7/30/2019 1:06	28.49	83.0	6.01	6.0	SR12	7/30/2019 7:06	27.85	68.4	4.98	6.4	SR12	7/30/2019 13:06	28.56	87.3	6.29	6.3	SR12	7/30/2019 19:06	26.15	69.9	5.08	5.8
SR12	7/30/2019 1:11	28.41	85.4	6.17	5.8	SR12	7/30/2019 7:11	27.87	67.9	4.94	5.7	SR12	7/30/2019 13:11	28.51	86.6	6.25	6.8	SR12	7/30/2019 19:11	26.14	70.9	5.15	6.0
SR12	7/30/2019 1:16	28.43	85.6	6.19	5.5	SR12	7/30/2019 7:16	27.84	67.4	4.90	5.4	SR12	7/30/2019 13:16	28.51	87.6	6.33	6.5	SR12	7/30/2019 19:16	26.12	70.2	5.10	5.7
SR12	7/30/2019 1:21	28.44	86.1	6.22	6.1	SR12	7/30/2019 7:21	27.91	67.5	4.91	5.8	SR12	7/30/2019 13:21	28.50	88.8	6.42	6.2	SR12	7/30/2019 19:21	26.10	69.5	5.06	6.4
SR12	7/30/2019 1:26	28.52	89.0	6.43	6.2	SR12	7/30/2019 7:26	28.00	73.2	5.33	6.1	SR12	7/30/2019 13:26	28.50	89.8	6.48	6.3	SR12	7/30/2019 19:26	26.06	69.4	5.05	6.5
SR12	7/30/2019 1:31	28.44	87.5	6.33	5.7	SR12	7/30/2019 7:31	27.93	70.8	5.17	5.3	SR12	7/30/2019 13:31	28.51	88.8	6.41	6.7	SR12	7/30/2019 19:31	26.05	68.4	4.98	7.3
SR12	7/30/2019 1:36	28.46	86.4	6.25	5.3	SR12	7/30/2019 7:36	27.98	73.9	5.40	6.5	SR12	7/30/2019 13:36	28.47	87.5	6.32	6.6	SR12	7/30/2019 19:36	26.05	68.1	4.95	6.4
SR12	7/30/2019 1:41	28.50	88.1	6.36	6.0	SR12	7/30/2019 7:41	27.93	68.0	4.96	5.4	SR12	7/30/2019 13:41	28.45	86.6	6.25	5.6	SR12	7/30/2019 19:41	26.04	68.7	4.99	5.8
SR12	7/30/2019 1:46	28.47	88.2	6.37	6.2	SR12	7/30/2019 7:46	27.98	67.9	4.95	6.3	SR12	7/30/2019 13:46	28.53	91.3	6.57	6.3	SR12	7/30/2019 19:46	26.32	71.4	5.18	6.3
SR12	7/30/2019 1:51	28.44	87.8	6.35	5.6	SR12	7/30/2019 7:51	27.99	67.4	4.92	6.1	SR12	7/30/2019 13:51	28.66	95.6	6.87	6.4	SR12	7/30/2019 19:51	26.54	71.2	5.16	7.1
SR12	7/30/2019 1:56	28.42	87.3	6.32	5.9	SR12	7/30/2019 7:56	27.92	66.5	4.85	6.1	SR12	7/30/2019 13:56	28.60	96.2	6.85	6.5	SR12	7/30/2019 19:56	26.43	70.1	5.09	6.4
SR12	7/30/2019 2:01	28.42	86.4	6.24	5.4	SR12	7/30/2019 8:01	27.95	66.5	4.85	5.7	SR12	7/30/2019 14:01	28.71	92.9	6.68	6.4	SR12	7/30/2019 20:01	26.24	71.6	5.20	6.0
SR12	7/30/2019 2:06	28.45	86.1	6.23	5.7	SR12	7/30/2019 8:06	27.94	66.3	4.84	5.7	SR12	7/30/2019 14:06	28.62	92.7	6.67	5.3	SR12	7/30/2019 20:06	26.77	71.2	5.17	6.1
SR12	7/30/2019 2:11	28.46	86.5	6.25	5.0	SR12	7/30/2019 8:11	27.91	66.0	4.82	5.3	SR12	7/30/2019 14:11	28.64	86.6	6.26	5.7	SR12	7/30/2019 20:11	27.00	70.4	5.11	6.4
SR12	7/30/2019 2:16	28.42	85.1	6.15	5.4	SR12	7/30/2019 8:16	28.00	67.1	4.90	5.6	SR12	7/30/2019 14:16	28.56	85.8	6.19	5.9	SR12	7/30/2019 20:16	26.95	70.1	5.08	5.7
SR12	7/30/2019 2:21	28.37	85.2	6.16	5.7	SR12	7/30/2019 8:21	27.97	67.2	4.90	6.2	SR12	7/30/2019 14:21	28.60	82.5	5.95	6.3	SR12	7/30/2019 20:21	26.99	71.5	5.19	5.7
SR12	7/30/2019 2:26	28.11	84.7	6.13	5.4	SR12	7/30/2019 8:26	27.95	68.6	5.01	6.7	SR12	7/30/2019 14:26	28.55	81.0	5.84	6.4	SR12	7/30/2019 20:26	26.33	71.4	5.18	5.6
SR12	7/30/2019 2:31	28.32	85.2	6.16	5.3	SR12	7/30/2019 8:31	27.99	68.2	4.99	6.0	SR12	7/30/2019 14:31	28.68	79.3	5.72	6.4	SR12	7/30/2019 20:31	26.28	71.2	5.16	5.7
SR12	7/30/2019 2:36	28.13	83.1	6.00	5.6	SR12	7/30/2019 8:36	27.93	68.8	5.03	6.1	SR12	7/30/2019 14:36	28.57	84.4	6.07	6.2	SR12	7/30/2019 20:36	26.23	70.6	5.12	6.1
SR12	7/30/2019 2:41	28.02	82.6	5.97	5.5	SR12	7/30/2019 8:41	27.98	70.1	5.11	5.3	SR12	7/30/2019 14:41	28.92	84.5	6.07	6.1	SR12	7/30/2019 20:41	26.22	69.7	5.06	6.5
SR12	7/30/2019 2:46	27.96	82.1	5.93	5.3	SR12	7/30/2019 8:46	27.96	68.8	5.02	6.0	SR12	7/30/2019 14:46	28.81	86.0	6.17	6.0	SR12	7/30/2019 20:46	26.38	69.7	5.07	5.4
SR12	7/30/2019 2:51	27.96	86.1	6.24	5.8	SR12	7/30/2019 8:51	27.97	69.4	5.06	5.8	SR12	7/30/2019 14:51	28.90	85.7	6.14	6.0	SR12	7/30/2019 20:51	26.30	67.4	4.90	6.1
SR12	7/30/2019 2:56	27.94	89.9	6.53	5.3	SR12	7/30/2019 8:56	28.01	69.9	5.10	6.1	SR12	7/30/2019 14:56	28.62	77.5	5.60	5.3	SR12	7/30/2019 20:56	26.32	67.3	4.88	5.4
SR12	7/30/2019 3:01	27.90	85.5	6.19	5.0	SR12	7/30/2019 9:01	28.06	74.5	5.43	5.6	SR12	7/30/2019 15:01	28.79	82.0	5.90	6.2	SR12	7/30/2019 21:01	26.35	67.6	4.91	5.5
SR12	7/30/2019 3:06	27.87	84.1	6.08	5.3	SR12	7/30/2019 9:06	28.03	70.3	5.13	5.7	SR12	7/30/2019 15:06	28.61	80.9	5.84	6.0	SR12	7/30/2019 21:06	26.47	67.7	4.93	5.7
SR12	7/30/2019 3:11	27.93	84.5	6.11	5.9	SR12	7/30/2019 9:11	28.04	72.1	5.26	6.2	SR12	7/30/2019 15:11	28.54	79.6	5.74	6.4	SR12	7/30/2019 21:11	26.46	66.8	4.85	6.0
SR12	7/30/2019 3:16	27.92	84.1	6.08	5.0	SR12	7/30/2019 9:16	28.00	72.2	5.27	5.6	SR12	7/30/2019 15:16	28.49	80.7	5.82	6.5	SR12	7/30/2019 21:16	26.50	64.3	4.67	6.3
SR12	7/30/2019 3:21	27.92	83.7	6.04	5.4	SR12	7/30/2019 9:21	28.03	72.4	5.28	5.5	SR12	7/30/2019 15:21	28.53	79.2	5.71	5.7	SR12	7/30/2019 21:21	26.71	64.9	4.72	5.5
SR12	7/30/2019 3:26	27.92	84.3	6.09	5.9	SR12	7/30/2019 9:26	28.18	79.2	5.76	6.3	SR12	7/30/2019 15:26	28.48	79.1	5.71	5.5	SR12	7/30/2019 21:26	26.77	63.4	4.61	5.7
SR12	7/30/2019 3:31	27.94	84.2	6.08	5.5	SR12	7/30/2019 9:31	28.23	82.1	5.97	5.1	SR12	7/30/2019 15:31	28.29	77.2	5.57	5.6	SR12	7/30/2019 21:31	26.80	62.7	4.37	6.3
SR12	7/30/2019 3:36	27.90	83.8	6.07	5.8	SR12	7/30/2019 9:36	28.24	81.4	5.91	6.6	SR12	7/30/2019 15:36	27.53	74.4	5.38	6.2	SR12	7/30/2019 21:36	26.84	65.6	4.57	5.8
SR12	7/30/2019 3:41	27.92	82.9	6.00	5.2	SR12	7/30/2019 9:41	28.20	80.2	5.83	5.7	SR12	7/30/2019 15:41	27.51	73.8	5.34	6.0	SR12	7/30/2019 21:41	26.67	60.8	4.24	5.6
SR12	7/30/2019 3:46	27.88	82.5	5.96	6.0	SR12	7/30/2019 9:46	28.31	79.2	5.75	5.3	SR12	7/30/2019 15:46	27.53	72.6	5.26	5.3	SR12	7/30/2019 21:46	26.79	60.8	4.24	6.2
SR12	7/30/2019 3:51	27.89	84.0	6.08	5.7	SR12	7/30/2019 9:51	28.28	77.5	5.63	5.5	SR12	7/30/2019 15:51	27.54									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	7/30/2019 0:00	28.24	78.9	5.71	7.1	SR13	7/30/2019 6:00	27.80	69.4	5.24	7.0	SR13	7/30/2019 12:00	28.55	88.0	6.35	6.8	SR13	7/30/2019 18:00	27.50	70.5	5.30	7.1
SR13	7/30/2019 0:05	28.30	79.9	5.79	7.1	SR13	7/30/2019 6:05	27.84	71.8	5.42	6.8	SR13	7/30/2019 12:05	28.59	89.7	6.47	6.7	SR13	7/30/2019 18:05	27.40	70.3	5.27	6.8
SR13	7/30/2019 0:10	28.31	80.5	5.83	6.6	SR13	7/30/2019 6:10	27.82	71.0	5.37	6.9	SR13	7/30/2019 12:10	28.54	88.0	6.35	7.6	SR13	7/30/2019 18:10	27.34	70.0	5.26	7.4
SR13	7/30/2019 0:15	28.36	82.0	5.93	7.0	SR13	7/30/2019 6:15	27.84	72.2	5.46	7.0	SR13	7/30/2019 12:15	28.50	86.1	6.22	7.1	SR13	7/30/2019 18:15	27.37	69.0	5.17	7.1
SR13	7/30/2019 0:20	28.38	82.9	5.99	7.1	SR13	7/30/2019 6:20	27.80	69.8	5.28	6.4	SR13	7/30/2019 12:20	28.49	85.5	6.17	7.1	SR13	7/30/2019 18:20	27.34	73.3	5.33	6.7
SR13	7/30/2019 0:25	28.41	83.6	6.04	6.9	SR13	7/30/2019 6:25	27.87	69.7	5.27	7.2	SR13	7/30/2019 12:25	28.52	86.7	6.26	7.3	SR13	7/30/2019 18:25	27.43	71.0	5.31	6.6
SR13	7/30/2019 0:30	28.47	85.3	6.17	6.9	SR13	7/30/2019 6:30	27.91	69.8	5.28	6.7	SR13	7/30/2019 12:30	28.59	89.3	6.43	6.9	SR13	7/30/2019 18:30	27.52	69.8	5.22	7.0
SR13	7/30/2019 0:35	28.42	84.1	6.09	7.1	SR13	7/30/2019 6:35	27.79	69.3	5.25	6.9	SR13	7/30/2019 12:35	28.54	88.6	6.39	7.3	SR13	7/30/2019 18:35	27.46	69.2	5.18	5.9
SR13	7/30/2019 0:40	28.44	83.4	6.03	6.6	SR13	7/30/2019 6:40	27.87	69.5	5.26	6.9	SR13	7/30/2019 12:40	28.54	87.6	6.32	7.4	SR13	7/30/2019 18:40	27.38	71.4	5.40	5.8
SR13	7/30/2019 0:45	28.49	84.7	6.13	6.6	SR13	7/30/2019 6:45	27.79	69.4	5.25	7.0	SR13	7/30/2019 12:45	28.55	88.3	6.37	6.9	SR13	7/30/2019 18:45	27.62	72.7	5.50	5.5
SR13	7/30/2019 0:50	28.48	85.1	6.15	6.3	SR13	7/30/2019 6:50	27.79	69.0	5.22	6.9	SR13	7/30/2019 12:50	28.64	88.9	6.41	6.8	SR13	7/30/2019 18:50	27.73	72.7	5.50	6.9
SR13	7/30/2019 0:55	28.47	84.5	6.11	6.7	SR13	7/30/2019 6:55	27.85	69.2	5.23	6.5	SR13	7/30/2019 12:55	28.67	90.7	6.53	6.7	SR13	7/30/2019 18:55	27.69	71.8	5.43	6.5
SR13	7/30/2019 1:00	28.44	84.3	6.10	6.9	SR13	7/30/2019 7:00	27.76	69.2	5.23	7.1	SR13	7/30/2019 13:00	28.65	87.9	6.33	7.2	SR13	7/30/2019 19:00	27.71	73.3	5.54	6.1
SR13	7/30/2019 1:05	28.33	83.7	6.06	6.7	SR13	7/30/2019 7:05	27.76	69.8	5.28	7.3	SR13	7/30/2019 13:05	28.67	86.7	6.24	6.9	SR13	7/30/2019 19:05	27.45	72.5	5.48	6.5
SR13	7/30/2019 1:10	28.43	83.5	6.04	6.9	SR13	7/30/2019 7:10	27.77	69.7	5.27	6.9	SR13	7/30/2019 13:10	28.68	85.5	6.16	7.6	SR13	7/30/2019 19:10	27.43	73.0	5.52	6.4
SR13	7/30/2019 1:15	28.36	83.6	6.04	6.8	SR13	7/30/2019 7:15	27.73	69.9	5.29	7.1	SR13	7/30/2019 13:15	28.57	84.4	6.10	7.0	SR13	7/30/2019 19:15	27.41	72.0	5.44	6.3
SR13	7/30/2019 1:20	28.29	82.5	5.97	6.8	SR13	7/30/2019 7:20	27.79	70.1	5.30	6.4	SR13	7/30/2019 13:20	28.67	84.5	6.09	6.6	SR13	7/30/2019 19:20	27.41	72.2	5.47	7.1
SR13	7/30/2019 1:25	28.27	82.1	5.94	6.9	SR13	7/30/2019 7:25	27.75	70.2	5.30	6.8	SR13	7/30/2019 13:25	28.67	83.4	6.01	6.5	SR13	7/30/2019 19:25	27.48	72.3	5.48	6.9
SR13	7/30/2019 1:30	28.26	83.7	6.07	6.7	SR13	7/30/2019 7:30	27.78	69.8	5.27	6.5	SR13	7/30/2019 13:30	28.69	84.8	6.11	7.5	SR13	7/30/2019 19:30	27.44	71.5	5.41	6.6
SR13	7/30/2019 1:35	28.27	85.5	6.20	6.8	SR13	7/30/2019 7:35	27.78	70.2	5.30	7.0	SR13	7/30/2019 13:35	28.58	80.6	5.83	7.1	SR13	7/30/2019 19:35	27.44	70.6	5.34	6.3
SR13	7/30/2019 1:40	28.24	83.3	6.03	6.9	SR13	7/30/2019 7:40	27.79	71.4	5.38	6.5	SR13	7/30/2019 13:40	28.68	84.9	6.12	7.1	SR13	7/30/2019 19:40	27.44	70.3	5.32	6.3
SR13	7/30/2019 1:45	28.23	82.9	6.00	6.7	SR13	7/30/2019 7:45	27.80	69.6	5.25	6.7	SR13	7/30/2019 13:45	28.63	85.1	6.13	6.7	SR13	7/30/2019 19:45	27.49	71.9	5.45	6.4
SR13	7/30/2019 1:50	28.25	83.3	6.03	6.9	SR13	7/30/2019 7:50	27.81	70.4	5.32	6.9	SR13	7/30/2019 13:50	28.62	85.3	6.14	7.2	SR13	7/30/2019 19:50	27.48	70.4	5.34	6.4
SR13	7/30/2019 1:55	28.25	82.6	5.98	6.4	SR13	7/30/2019 7:55	27.81	69.9	5.28	6.6	SR13	7/30/2019 13:55	28.64	86.3	6.21	7.7	SR13	7/30/2019 19:55	27.49	70.3	5.33	6.4
SR13	7/30/2019 2:00	28.25	82.9	5.99	6.9	SR13	7/30/2019 8:00	27.84	70.2	5.30	6.8	SR13	7/30/2019 14:00	28.50	79.6	5.76	6.4	SR13	7/30/2019 20:00	27.56	70.8	5.37	6.3
SR13	7/30/2019 2:05	28.26	83.2	6.02	7.1	SR13	7/30/2019 8:05	27.94	72.6	5.49	7.1	SR13	7/30/2019 14:05	28.57	82.2	5.94	7.0	SR13	7/30/2019 20:05	27.57	69.6	5.28	6.3
SR13	7/30/2019 2:10	28.26	83.2	6.02	6.9	SR13	7/30/2019 8:10	27.92	74.3	5.60	6.5	SR13	7/30/2019 14:10	28.44	79.7	5.75	6.9	SR13	7/30/2019 20:10	27.60	69.7	5.21	7.2
SR13	7/30/2019 2:15	28.25	83.3	6.03	7.0	SR13	7/30/2019 8:15	27.92	74.4	5.60	6.7	SR13	7/30/2019 14:15	28.13	78.3	5.66	7.3	SR13	7/30/2019 20:15	27.61	70.3	5.25	6.3
SR13	7/30/2019 2:20	28.26	83.1	6.01	7.0	SR13	7/30/2019 8:20	27.88	73.9	5.56	6.8	SR13	7/30/2019 14:20	28.15	78.7	5.69	7.2	SR13	7/30/2019 20:20	27.58	68.8	5.15	6.0
SR13	7/30/2019 2:25	28.25	82.7	5.98	7.4	SR13	7/30/2019 8:25	27.94	73.6	5.54	6.5	SR13	7/30/2019 14:25	28.17	77.4	5.60	6.7	SR13	7/30/2019 20:25	27.56	68.5	5.13	7.0
SR13	7/30/2019 2:30	28.26	83.2	6.02	6.7	SR13	7/30/2019 8:30	28.06	72.8	5.49	6.5	SR13	7/30/2019 14:30	28.18	79.8	5.77	7.2	SR13	7/30/2019 20:30	27.50	67.1	5.02	6.4
SR13	7/30/2019 2:35	28.24	83.0	6.02	6.6	SR13	7/30/2019 8:35	28.08	73.2	5.51	6.7	SR13	7/30/2019 14:35	28.14	78.5	5.68	7.1	SR13	7/30/2019 20:35	27.59	68.4	5.12	6.5
SR13	7/30/2019 2:40	28.24	82.3	5.97	7.3	SR13	7/30/2019 8:40	28.11	75.8	5.50	6.9	SR13	7/30/2019 14:40	27.92	75.9	5.42	7.3	SR13	7/30/2019 20:40	27.58	68.7	5.14	6.7
SR13	7/30/2019 2:45	28.25	82.5	5.97	6.9	SR13	7/30/2019 8:45	28.08	75.9	5.51	7.1	SR13	7/30/2019 14:45	27.89	75.7	5.40	6.9	SR13	7/30/2019 20:45	27.58	69.2	5.17	5.8
SR13	7/30/2019 2:50	28.25	84.2	6.11	7.2	SR13	7/30/2019 8:50	28.11	74.8	5.43	6.8	SR13	7/30/2019 14:50	27.85	74.8	5.34	6.6	SR13	7/30/2019 20:50	27.56	68.8	5.14	6.9
SR13	7/30/2019 2:55	28.26	83.4	6.05	7.2	SR13	7/30/2019 8:55	28.12	74.4	5.41	6.9	SR13	7/30/2019 14:55	28.01	79.6	5.67	7.1	SR13	7/30/2019 20:55	27.55	68.4	5.11	6.4
SR13	7/30/2019 3:00	28.25	83.2	6.04	7.4	SR13	7/30/2019 9:00	28.10	75.3	5.47	6.9	SR13	7/30/2019 15:00	27.97	78.6	5.61	6.9	SR13	7/30/2019 21:00	27.52	68.3	5.11	6.2
SR13	7/30/2019 3:05	28.25	82.1	5.95	6.8	SR13	7/30/2019 9:05	28.08	76.4	5.55	6.9	SR13	7/30/2019 15:05	27.98	79.1	5.64	7.0	SR13	7/30/2019 21:05	27.59	68.1	5.09	6.3
SR13	7/30/2019 3:10	28.25	81.8	5.93	6.4	SR13	7/30/2019 9:10	28.06	76.4	5.55	6.6	SR13	7/30/2019 15:10	28.03	79.9	5.70	6.8	SR13	7/30/2019 21:10	27.52	66.7	4.99	6.2
SR13	7/30/2019 3:15	28.26	81.7	5.92	6.8	SR13	7/30/2019 9:15	28.11	77.6	5.65	6.7	SR13	7/30/2019 15:15	28.08	82.8	5.89	7.2	SR13	7/30/2019 21:15	27.50	65.8	4.92	6.7
SR13	7/30/2019 3:20	28.23	82.0	5.95	7.2	SR13	7/30/2019 9:20	28.13	79.8	5.81	7.2	SR13	7/30/2019 15:20	28.09	83.0	5.91	6.8	SR13	7/30/2019 21:20	27.54	67.6	5.06	7.1
SR13	7/30/2019 3:25	28.23	81.8	5.93	7.0	SR13	7/30/2019 9:25	28.11	79.1	5.76	6.5	SR13	7/30/2019 15:25	28.12	84.0	5.97	7.6	SR13	7/30/2019 21:25	27.52	66.0	4.94	6.8
SR13	7/30/2019 3:30	28.22	81.5	5.91	7.4	SR13	7/30/2019 9:30	28.15	80.8	5.87	6.9	SR13	7/30/2019 15:30	28.07	82.3	5.86	6.7	SR13	7/30/2019 21:30	27.54	68.1	5.07	7.0
SR13	7/30/2019 3:35	28.20	80.9	5.86	6.8	SR13	7/30/2019 9:35	28.16	81.1	5.89	6.9	SR13	7/30/2019 15:35	28.09	82.4	5.87	6.6	SR13	7/30/2019 21:35	27.55	69.2	5.15	6.2
SR13	7/30/2019 3:40	28.18	80.2	5.82	6.9	SR13	7/30/2019 9:40	28.21	80.5	5.83	7.2	SR13	7/30/2019 15:40	28.06	81.7	5.83	6.5	SR13	7/30/2019 21:40	27.56	68.6	5.10	7.2
SR13	7/30/2019 3:45	28.16	79.6	5.78	7.0	SR13	7/30/2019 9:45	28.24	82.3	5.96	7.3	SR13	7/30/2019 15:45	28.23	86.4	6.23	6.6	SR13	7/30/2019 21:45	27.54	67.8	5.04	6.4
SR13	7/30/2019 3:50	28.20	78.9	5.73	6.9	SR13	7/30/2019 9:50	28.25	82.0	5.94	7.0	SR13	7/30/2019 15:50	28.10									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	7/30/2019 0:17	0.20				SR12	7/30/2019 0:17	0.22			
SR4	7/30/2019 0:37	0.20				SR12	7/30/2019 0:37	0.22			
SR4	7/30/2019 0:57	0.21				SR12	7/30/2019 0:57	0.22			
SR4	7/30/2019 1:17	0.21				SR12	7/30/2019 1:17	0.20			
SR4	7/30/2019 1:37	0.21				SR12	7/30/2019 1:37	0.21			
SR4	7/30/2019 1:57	0.21				SR12	7/30/2019 1:57	0.20			
SR4	7/30/2019 2:17	0.22				SR12	7/30/2019 2:17	0.22			
SR4	7/30/2019 2:37	0.22				SR12	7/30/2019 2:37	0.22			
SR4	7/30/2019 2:57	0.20				SR12	7/30/2019 2:57	0.20			
SR4	7/30/2019 3:17	0.20				SR12	7/30/2019 3:17	0.21			
SR4	7/30/2019 3:37	0.20				SR12	7/30/2019 3:37	0.21			
SR4	7/30/2019 3:57	0.22				SR12	7/30/2019 3:57	0.22			
SR4	7/30/2019 4:17	0.20				SR12	7/30/2019 4:17	0.22			
SR4	7/30/2019 4:37	0.20				SR12	7/30/2019 4:37	0.22			
SR4	7/30/2019 4:57	0.21				SR12	7/30/2019 4:57	0.21			
SR4	7/30/2019 5:17	0.20				SR12	7/30/2019 5:17	0.19			
SR4	7/30/2019 5:37	0.20				SR12	7/30/2019 5:37	0.21			
SR4	7/30/2019 5:57	0.20				SR12	7/30/2019 5:57	0.21			
SR4						SR12					
SR4	7/30/2019 6:37	0.21				SR12	7/30/2019 6:37	0.21			
SR4	7/30/2019 6:57	0.19				SR12	7/30/2019 6:57	0.21			
SR4	7/30/2019 7:17	0.21				SR12	7/30/2019 7:17	0.20			
SR4	7/30/2019 7:37	0.19				SR12	7/30/2019 7:37	0.21			
SR4	7/30/2019 7:57	0.19				SR12	7/30/2019 7:57	0.21			
SR4	7/30/2019 8:17	0.21				SR12	7/30/2019 8:17	0.19			
SR4	7/30/2019 8:37	0.20				SR12	7/30/2019 8:37	0.21			
SR4	7/30/2019 8:57	0.20				SR12	7/30/2019 8:57	0.20			
SR4	7/30/2019 9:17	0.20				SR12	7/30/2019 9:17	0.21			
SR4	7/30/2019 9:37	0.20				SR12	7/30/2019 9:37	0.21			
SR4	7/30/2019 9:57	0.20				SR12	7/30/2019 9:57	0.19			
SR4	7/30/2019 10:17	0.20				SR12	7/30/2019 10:17	0.21			
SR4	7/30/2019 10:37	0.21				SR12	7/30/2019 10:37	0.21			
SR4	7/30/2019 10:57	0.20				SR12	7/30/2019 10:57	0.21			
SR4	7/30/2019 11:17	0.20				SR12	7/30/2019 11:17	0.19			
SR4	7/30/2019 11:37	0.20				SR12	7/30/2019 11:37	0.19			
SR4	7/30/2019 11:57	0.21				SR12	7/30/2019 11:57	0.21			
SR4	7/30/2019 12:17	0.20				SR12	7/30/2019 12:17	0.20			
SR4	7/30/2019 12:37	0.20				SR12	7/30/2019 12:37	0.19			
SR4	7/30/2019 12:57	0.19				SR12	7/30/2019 12:57	0.19			
SR4	7/30/2019 13:17	0.21				SR12	7/30/2019 13:17	0.19			
SR4	7/30/2019 13:37	0.22				SR12	7/30/2019 13:37	0.19			
SR4	7/30/2019 13:57	0.20				SR12	7/30/2019 13:57	0.21			
SR4	7/30/2019 14:17	0.22				SR12	7/30/2019 14:17	0.19			
SR4	7/30/2019 14:37	0.22				SR12	7/30/2019 14:37	0.21			
SR4	7/30/2019 14:57	0.21				SR12	7/30/2019 14:57	0.19			
SR4	7/30/2019 15:17	0.22				SR12	7/30/2019 15:17	0.19			
SR4	7/30/2019 15:37	0.21				SR12	7/30/2019 15:37	0.21			
SR4	7/30/2019 15:57	0.22				SR12	7/30/2019 15:57	0.20			
SR4	7/30/2019 16:17	0.20				SR12	7/30/2019 16:17	0.20			
SR4	7/30/2019 16:37	0.21				SR12	7/30/2019 16:37	0.21			
SR4	7/30/2019 16:57	0.20				SR12	7/30/2019 16:57	0.20			
SR4	7/30/2019 17:17	0.22				SR12	7/30/2019 17:17	0.21			
SR4	7/30/2019 17:37	0.21				SR12	7/30/2019 17:37	0.19			
SR4	7/30/2019 17:57	0.23				SR12	7/30/2019 17:57	0.21			
SR4	7/30/2019 18:17	0.22				SR12	7/30/2019 18:17	0.23			
SR4	7/30/2019 18:37	0.21				SR12	7/30/2019 18:37	0.21			
SR4	7/30/2019 18:57	0.22				SR12	7/30/2019 18:57	0.23			
SR4	7/30/2019 19:17	0.21				SR12	7/30/2019 19:17	0.22			
SR4	7/30/2019 19:37	0.22				SR12	7/30/2019 19:37	0.23			
SR4	7/30/2019 19:57	0.22				SR12	7/30/2019 19:57	0.22			
SR4	7/30/2019 20:17	0.22				SR12	7/30/2019 20:17	0.22			
SR4	7/30/2019 20:37	0.21				SR12	7/30/2019 20:37	0.22			
SR4	7/30/2019 20:57	0.21				SR12	7/30/2019 20:57	0.21			
SR4	7/30/2019 21:17	0.23				SR12	7/30/2019 21:17	0.21			
SR4	7/30/2019 21:37	0.21				SR12	7/30/2019 21:37	0.21			
SR4	7/30/2019 21:57	0.21				SR12	7/30/2019 21:57	0.23			
SR4	7/30/2019 22:17	0.21				SR12	7/30/2019 22:17	0.23			
SR4	7/30/2019 22:37	0.22				SR12	7/30/2019 22:37	0.23			
SR4	7/30/2019 22:57	0.23				SR12	7/30/2019 22:57	0.24			
SR4	7/30/2019 23:17	0.22				SR12	7/30/2019 23:17	0.23			
SR4	7/30/2019 23:37	0.22				SR12	7/30/2019 23:37	0.24			
SR4	7/30/2019 23:57	0.22				SR12	7/30/2019 23:57	0.23			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR5 monitoring station was under maintenance during 14:10-14:40.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	7/31/2019 0:01	28.65	68.2	4.99	7.5	SR4	7/31/2019 6:01	28.34	78.9	5.75	6.7	SR4	7/31/2019 12:01	28.28	80.6	6.03	6.5	SR4	7/31/2019 18:01	28.14	74.9	5.64	5.7
SR4	7/31/2019 0:06	28.64	67.7	4.95	6.2	SR4	7/31/2019 6:06	28.35	77.8	5.67	7.3	SR4	7/31/2019 12:06	28.27	79.0	5.92	7.1	SR4	7/31/2019 18:06	28.15	75.1	5.65	7.1
SR4	7/31/2019 0:11	28.63	67.0	4.90	6.3	SR4	7/31/2019 6:11	28.36	78.0	5.68	6.6	SR4	7/31/2019 12:11	28.27	79.2	5.93	6.6	SR4	7/31/2019 18:11	28.13	77.1	5.81	7.1
SR4	7/31/2019 0:16	28.64	69.5	5.08	7.5	SR4	7/31/2019 6:16	28.35	80.2	5.83	6.9	SR4	7/31/2019 12:16	28.29	79.8	5.98	7.7	SR4	7/31/2019 18:16	28.13	77.0	5.80	6.8
SR4	7/31/2019 0:21	28.64	70.9	5.18	7.5	SR4	7/31/2019 6:21	28.34	77.9	5.68	6.8	SR4	7/31/2019 12:21	28.28	79.8	5.98	7.4	SR4	7/31/2019 18:21	28.14	76.2	5.74	5.9
SR4	7/31/2019 0:26	28.63	70.5	5.16	7.2	SR4	7/31/2019 6:26	28.34	78.2	5.70	7.1	SR4	7/31/2019 12:26	28.27	79.2	5.94	6.3	SR4	7/31/2019 18:26	28.12	76.7	5.78	7.4
SR4	7/31/2019 0:31	28.62	69.8	5.10	7.5	SR4	7/31/2019 6:31	28.32	80.0	5.83	7.4	SR4	7/31/2019 12:31	28.27	77.0	5.78	6.6	SR4	7/31/2019 18:31	28.12	75.4	5.67	7.1
SR4	7/31/2019 0:36	28.63	69.9	5.12	6.7	SR4	7/31/2019 6:36	28.30	79.2	5.77	7.7	SR4	7/31/2019 12:36	28.25	77.7	5.83	7.9	SR4	7/31/2019 18:36	28.07	76.6	5.77	7.2
SR4	7/31/2019 0:41	28.60	68.9	5.05	6.3	SR4	7/31/2019 6:41	28.30	79.2	5.77	7.3	SR4	7/31/2019 12:41	28.24	79.0	5.93	6.9	SR4	7/31/2019 18:41	28.05	75.5	5.69	6.5
SR4	7/31/2019 0:46	28.58	71.9	5.25	6.8	SR4	7/31/2019 6:46	28.33	78.9	5.74	6.9	SR4	7/31/2019 12:46	28.31	81.4	6.10	6.6	SR4	7/31/2019 18:46	28.10	74.3	5.60	7.2
SR4	7/31/2019 0:51	28.61	71.0	5.18	6.0	SR4	7/31/2019 6:51	28.34	77.7	5.66	7.2	SR4	7/31/2019 12:51	28.30	79.4	5.94	6.5	SR4	7/31/2019 18:51	28.12	75.5	5.69	6.6
SR4	7/31/2019 0:56	28.55	72.8	5.31	6.7	SR4	7/31/2019 6:56	28.35	78.1	5.69	6.8	SR4	7/31/2019 12:56	28.27	80.6	6.04	6.7	SR4	7/31/2019 18:56	28.08	74.4	5.62	7.2
SR4	7/31/2019 1:01	28.56	72.6	5.30	7.2	SR4	7/31/2019 7:01	28.36	77.5	5.65	7.7	SR4	7/31/2019 13:01	28.27	80.5	6.03	6.3	SR4	7/31/2019 19:01	28.05	73.8	5.57	6.9
SR4	7/31/2019 1:06	28.53	72.8	5.32	7.4	SR4	7/31/2019 7:06	28.36	77.4	5.64	7.4	SR4	7/31/2019 13:06	28.28	81.6	6.10	7.3	SR4	7/31/2019 19:06	28.04	73.5	5.55	7.5
SR4	7/31/2019 1:11	28.51	72.1	5.26	6.7	SR4	7/31/2019 7:11	28.36	79.0	5.76	7.1	SR4	7/31/2019 13:11	28.27	80.2	6.00	6.7	SR4	7/31/2019 19:11	28.00	74.0	5.59	7.3
SR4	7/31/2019 1:16	28.52	70.3	5.14	6.2	SR4	7/31/2019 7:16	28.34	80.4	5.85	7.0	SR4	7/31/2019 13:16	28.28	79.8	5.96	6.3	SR4	7/31/2019 19:16	28.00	73.2	5.52	7.2
SR4	7/31/2019 1:21	28.57	73.3	5.35	6.8	SR4	7/31/2019 7:21	28.36	79.0	5.75	6.8	SR4	7/31/2019 13:21	28.27	80.3	6.00	7.1	SR4	7/31/2019 19:21	27.99	74.9	5.66	6.3
SR4	7/31/2019 1:26	28.58	73.1	5.33	6.5	SR4	7/31/2019 7:26	28.55	80.8	6.03	7.8	SR4	7/31/2019 13:26	28.25	81.5	6.10	7.3	SR4	7/31/2019 19:26	27.98	73.7	5.55	7.6
SR4	7/31/2019 1:31	28.57	69.5	5.09	6.7	SR4	7/31/2019 7:31	28.54	81.2	6.08	7.3	SR4	7/31/2019 13:31	28.26	80.9	6.05	6.8	SR4	7/31/2019 19:31	27.99	73.4	5.54	6.2
SR4	7/31/2019 1:36	28.56	71.8	5.24	6.8	SR4	7/31/2019 7:36	28.53	81.5	6.10	7.6	SR4	7/31/2019 13:36	28.29	82.0	6.13	6.7	SR4	7/31/2019 19:36	27.97	72.3	5.45	6.6
SR4	7/31/2019 1:41	28.50	71.1	5.20	7.6	SR4	7/31/2019 7:41	28.50	80.0	5.98	6.9	SR4	7/31/2019 13:41	28.30	81.0	6.05	7.0	SR4	7/31/2019 19:41	28.00	71.5	5.39	6.0
SR4	7/31/2019 1:46	28.51	72.8	5.31	7.4	SR4	7/31/2019 7:46	28.47	81.4	6.09	6.8	SR4	7/31/2019 13:46	28.29	81.6	6.10	7.1	SR4	7/31/2019 19:46	28.00	72.8	5.50	7.9
SR4	7/31/2019 1:51	28.35	71.3	5.21	7.2	SR4	7/31/2019 7:51	28.47	80.6	6.03	7.0	SR4	7/31/2019 13:51	28.29	80.1	5.99	6.6	SR4	7/31/2019 19:51	27.99	72.5	5.47	6.4
SR4	7/31/2019 1:56	28.37	71.2	5.20	6.7	SR4	7/31/2019 7:56	28.46	82.3	6.16	7.0	SR4	7/31/2019 13:56	28.29	78.7	5.88	7.6	SR4	7/31/2019 19:56	27.98	74.3	5.61	6.4
SR4	7/31/2019 2:01	28.38	70.5	5.15	6.9	SR4	7/31/2019 8:01	28.46	81.6	6.10	6.8	SR4	7/31/2019 14:01	28.29	80.0	5.99	6.4	SR4	7/31/2019 20:01	27.96	74.3	5.61	6.4
SR4	7/31/2019 2:06	28.42	72.2	5.27	7.2	SR4	7/31/2019 8:06	28.44	81.3	6.09	7.2	SR4	7/31/2019 14:06	28.30	79.9	5.97	7.2	SR4	7/31/2019 20:06	27.98	72.6	5.49	7.3
SR4	7/31/2019 2:11	28.42	72.3	5.27	6.7	SR4	7/31/2019 8:11	28.43	82.3	6.16	7.2	SR4	7/31/2019 14:11	28.31	78.6	5.88	7.4	SR4	7/31/2019 20:11	27.96	70.9	5.35	7.4
SR4	7/31/2019 2:16	28.44	71.4	5.21	6.4	SR4	7/31/2019 8:16	28.40	80.8	6.04	6.6	SR4	7/31/2019 14:16	28.31	78.2	5.84	7.4	SR4	7/31/2019 20:16	27.92	72.5	5.49	7.4
SR4	7/31/2019 2:21	28.44	69.1	5.05	7.6	SR4	7/31/2019 8:21	28.40	80.8	6.05	7.0	SR4	7/31/2019 14:21	28.33	79.2	5.93	6.8	SR4	7/31/2019 20:21	27.90	70.2	5.31	6.6
SR4	7/31/2019 2:26	28.45	68.7	5.03	7.7	SR4	7/31/2019 8:26	28.39	81.1	6.07	6.4	SR4	7/31/2019 14:26	28.35	79.3	5.93	6.8	SR4	7/31/2019 20:26	27.94	71.0	5.37	7.9
SR4	7/31/2019 2:31	28.44	70.9	5.17	6.6	SR4	7/31/2019 8:31	28.39	81.0	6.06	6.3	SR4	7/31/2019 14:31	28.34	79.1	5.93	6.6	SR4	7/31/2019 20:31	27.90	69.3	5.25	6.7
SR4	7/31/2019 2:36	28.43	72.3	5.27	7.6	SR4	7/31/2019 8:36	28.38	82.6	6.19	6.4	SR4	7/31/2019 14:36	28.35	79.1	5.91	6.3	SR4	7/31/2019 20:36	27.88	68.9	5.21	7.4
SR4	7/31/2019 2:41	28.41	71.5	5.21	6.7	SR4	7/31/2019 8:41	28.38	80.5	6.03	7.0	SR4	7/31/2019 14:41	28.33	78.7	5.89	7.0	SR4	7/31/2019 20:41	27.88	68.1	5.16	6.2
SR4	7/31/2019 2:46	28.42	69.5	5.07	7.2	SR4	7/31/2019 8:46	28.36	81.2	6.08	7.0	SR4	7/31/2019 14:46	28.32	77.5	5.80	7.4	SR4	7/31/2019 20:46	27.86	69.5	5.26	7.8
SR4	7/31/2019 2:51	28.44	71.4	5.20	7.2	SR4	7/31/2019 8:51	28.37	81.1	6.07	5.9	SR4	7/31/2019 14:51	28.37	78.4	5.87	7.2	SR4	7/31/2019 20:51	27.84	69.5	5.26	6.8
SR4	7/31/2019 2:56	28.41	73.2	5.33	7.2	SR4	7/31/2019 8:56	28.37	79.9	5.98	7.2	SR4	7/31/2019 14:56	28.37	78.6	5.89	7.0	SR4	7/31/2019 20:56	27.81	70.1	5.31	7.3
SR4	7/31/2019 3:01	28.43	70.9	5.17	7.5	SR4	7/31/2019 9:01	28.38	79.4	5.95	6.4	SR4	7/31/2019 15:01	28.36	79.2	5.93	7.4	SR4	7/31/2019 21:01	27.82	71.1	5.39	6.2
SR4	7/31/2019 3:06	28.48	73.4	5.34	7.4	SR4	7/31/2019 9:06	28.41	79.7	5.96	6.8	SR4	7/31/2019 15:06	28.39	78.2	5.85	6.9	SR4	7/31/2019 21:06	27.82	70.9	5.37	7.0
SR4	7/31/2019 3:11	28.49	72.5	5.27	7.4	SR4	7/31/2019 9:11	28.39	78.6	5.89	7.2	SR4	7/31/2019 15:11	28.40	78.8	5.90	6.8	SR4	7/31/2019 21:11	27.84	71.8	5.44	6.9
SR4	7/31/2019 3:16	28.51	70.1	5.11	7.6	SR4	7/31/2019 9:16	28.39	80.2	6.01	7.2	SR4	7/31/2019 15:16	28.39	77.3	5.78	6.2	SR4	7/31/2019 21:16	27.84	72.1	5.46	7.8
SR4	7/31/2019 3:21	28.48	71.3	5.19	7.3	SR4	7/31/2019 9:21	28.41	80.2	6.01	6.8	SR4	7/31/2019 15:21	28.39	78.9	5.91	7.0	SR4	7/31/2019 21:21	27.84	70.8	5.36	6.7
SR4	7/31/2019 3:26	28.47	72.9	5.30	7.0	SR4	7/31/2019 9:26	28.40	81.7	6.12	6.4	SR4	7/31/2019 15:26	28.09	77.8	5.85	7.2	SR4	7/31/2019 21:26	27.86	71.4	5.41	6.7
SR4	7/31/2019 3:31	28.46	71.2	5.19	7.3	SR4	7/31/2019 9:31	28.41	80.4	6.01	6.4	SR4	7/31/2019 15:31	28.08	78.6	5.91	6.9	SR4	7/31/2019 21:31	27.87	71.6	5.41	7.0
SR4	7/31/2019 3:36	28.47	70.3	5.12	7.3	SR4	7/31/2019 9:36	28.40	80.6	6.03	6.9	SR4	7/31/2019 15:36	28.09	78.3	5.89	7.2	SR4	7/31/2019 21:36	27.85	70.9	5.36	6.5
SR4	7/31/2019 3:41	28.45	70.8	5.16	7.5	SR4	7/31/2019 9:41	28.36	79.2	5.94	6.3	SR4	7/31/2019 15:41	28.10	81.3	6.12	7.4	SR4	7/31/2019 21:41	27.85	69.6	5.26	7.5
SR4	7/31/2019 3:46	28.45	73.3	5.33	6.9	SR4	7/31/2019 9:46	28.39	80.8	6.05	7.4	SR4	7/31/2019 15:46	28.08	79.8	6.01	7.6	SR4	7/31/2019 21:46	27.86	71.2	5.39	6.7
SR4	7/31/2019 3:51	28.45	71.5	5.20	6.9	SR4	7/31/2019 9:51	28.37	80.1	5.99	6.9	SR4	7/31/2019 15:51	28.07	79.7	6.00	7.6	SR4	7/31/2019 21:51	27.85	70.0	5.30	6.9
SR4	7/31/2019 3:56	28.46	71.7	5.21	6.7	SR4	7/31/2019 9:56	28															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	7/31/2019 0:00	25.80	68.4	5.20	8.0	SR5	7/31/2019 6:00	26.18	73.9	5.70	7.6	SR5	7/31/2019 12:00	26.70	82.5	5.71	5.8	SR5	7/31/2019 18:00	26.89	77.8	5.42	6.5
SR5	7/31/2019 0:05	25.77	68.3	5.17	7.1	SR5	7/31/2019 6:05	26.06	73.2	5.64	7.5	SR5	7/31/2019 12:05	26.69	82.7	5.73	5.8	SR5	7/31/2019 18:05	26.88	77.7	5.42	6.2
SR5	7/31/2019 0:10	25.85	67.6	5.12	5.7	SR5	7/31/2019 6:10	26.07	73.5	5.66	5.9	SR5	7/31/2019 12:10	26.67	82.5	5.71	6.9	SR5	7/31/2019 18:10	26.88	77.4	5.39	7.0
SR5	7/31/2019 0:15	25.93	69.2	5.26	6.4	SR5	7/31/2019 6:15	26.04	74.6	5.75	6.0	SR5	7/31/2019 12:15	26.65	81.4	5.63	7.8	SR5	7/31/2019 18:15	26.87	77.9	5.44	7.0
SR5	7/31/2019 0:20	26.13	69.8	5.32	8.1	SR5	7/31/2019 6:20	26.05	73.7	5.67	8.1	SR5	7/31/2019 12:20	26.65	82.3	5.70	6.0	SR5	7/31/2019 18:20	26.88	76.8	5.36	7.4
SR5	7/31/2019 0:25	26.12	70.0	5.33	6.8	SR5	7/31/2019 6:25	26.04	73.4	5.66	7.9	SR5	7/31/2019 12:25	26.70	84.2	5.83	6.4	SR5	7/31/2019 18:25	26.88	76.7	5.35	6.7
SR5	7/31/2019 0:30	26.22	69.0	5.25	7.9	SR5	7/31/2019 6:30	26.04	74.3	5.74	6.1	SR5	7/31/2019 12:30	26.71	84.1	5.83	7.4	SR5	7/31/2019 18:30	26.88	76.9	5.36	7.7
SR5	7/31/2019 0:35	26.16	69.0	5.27	5.8	SR5	7/31/2019 6:35	26.03	74.2	5.72	6.6	SR5	7/31/2019 12:35	26.68	83.0	5.75	8.0	SR5	7/31/2019 18:35	26.82	73.0	5.08	6.2
SR5	7/31/2019 0:40	26.21	69.2	5.26	5.3	SR5	7/31/2019 6:40	26.03	74.2	5.72	7.8	SR5	7/31/2019 12:40	26.71	82.9	5.74	5.8	SR5	7/31/2019 18:40	26.79	70.1	4.87	6.7
SR5	7/31/2019 0:45	26.21	70.6	5.38	7.2	SR5	7/31/2019 6:45	26.04	73.5	5.67	8.1	SR5	7/31/2019 12:45	26.75	83.2	5.76	6.2	SR5	7/31/2019 18:45	26.81	71.4	5.59	6.5
SR5	7/31/2019 0:50	26.19	70.2	5.34	7.5	SR5	7/31/2019 6:50	26.03	73.2	5.63	7.3	SR5	7/31/2019 12:50	26.69	79.7	5.52	6.1	SR5	7/31/2019 18:50	26.72	71.9	5.64	7.6
SR5	7/31/2019 0:55	26.18	70.6	5.40	6.3	SR5	7/31/2019 6:55	26.00	73.5	5.66	7.5	SR5	7/31/2019 12:55	26.71	80.0	5.54	7.7	SR5	7/31/2019 18:55	26.66	70.7	5.56	6.1
SR5	7/31/2019 1:00	26.19	70.9	5.42	7.8	SR5	7/31/2019 7:00	26.02	73.5	5.65	8.5	SR5	7/31/2019 13:00	26.67	79.3	5.49	5.2	SR5	7/31/2019 19:00	26.63	70.9	5.55	6.2
SR5	7/31/2019 1:05	26.19	71.0	5.43	6.5	SR5	7/31/2019 7:05	25.99	73.5	5.64	7.3	SR5	7/31/2019 13:05	26.66	78.1	5.41	6.7	SR5	7/31/2019 19:05	26.60	70.4	5.52	6.2
SR5	7/31/2019 1:10	26.18	70.6	5.39	5.4	SR5	7/31/2019 7:10	25.98	74.0	5.70	5.6	SR5	7/31/2019 13:10	26.79	81.3	5.64	6.6	SR5	7/31/2019 19:10	26.55	70.5	5.54	6.7
SR5	7/31/2019 1:15	26.18	69.9	5.32	5.7	SR5	7/31/2019 7:15	25.97	74.5	5.75	6.8	SR5	7/31/2019 13:15	26.80	78.9	5.47	5.6	SR5	7/31/2019 19:15	26.60	70.1	5.50	7.8
SR5	7/31/2019 1:20	26.17	70.8	5.42	6.3	SR5	7/31/2019 7:20	25.96	73.6	5.68	7.4	SR5	7/31/2019 13:20	26.80	78.8	5.46	7.3	SR5	7/31/2019 19:20	26.57	71.7	5.63	5.4
SR5	7/31/2019 1:25	26.18	71.1	5.43	7.4	SR5	7/31/2019 7:25	26.04	75.1	5.89	6.1	SR5	7/31/2019 13:25	26.89	82.6	5.73	7.5	SR5	7/31/2019 19:25	26.55	70.3	5.51	6.9
SR5	7/31/2019 1:30	26.17	69.3	5.28	6.3	SR5	7/31/2019 7:30	25.98	75.1	5.92	6.5	SR5	7/31/2019 13:30	26.94	80.7	5.61	7.2	SR5	7/31/2019 19:30	26.54	70.6	5.53	6.3
SR5	7/31/2019 1:35	26.17	70.0	5.35	8.1	SR5	7/31/2019 7:35	25.99	75.3	5.93	7.6	SR5	7/31/2019 13:35	26.88	77.7	5.40	7.5	SR5	7/31/2019 19:35	26.52	70.2	5.48	7.0
SR5	7/31/2019 1:40	26.17	70.3	5.36	6.5	SR5	7/31/2019 7:40	26.08	74.6	5.86	7.0	SR5	7/31/2019 13:40	26.89	77.7	5.40	6.1	SR5	7/31/2019 19:40	26.49	69.8	5.44	6.4
SR5	7/31/2019 1:45	26.16	70.7	5.40	6.8	SR5	7/31/2019 7:45	26.05	75.0	5.91	7.5	SR5	7/31/2019 13:45	26.90	77.6	5.39	5.9	SR5	7/31/2019 19:45	26.53	70.1	5.49	8.2
SR5	7/31/2019 1:50	26.16	70.2	5.35	6.4	SR5	7/31/2019 7:50	26.10	74.8	5.88	6.1	SR5	7/31/2019 13:50	26.90	79.6	5.54	7.3	SR5	7/31/2019 19:50	26.48	70.2	5.49	5.3
SR5	7/31/2019 1:55	26.33	69.9	5.33	5.8	SR5	7/31/2019 7:55	26.10	75.7	5.97	7.9	SR5	7/31/2019 13:55	26.92	79.0	5.50	6.5	SR5	7/31/2019 19:55	26.47	71.1	5.58	6.1
SR5	7/31/2019 2:00	26.35	69.7	5.31	7.2	SR5	7/31/2019 8:00	25.97	74.9	5.90	6.5	SR5	7/31/2019 14:00	26.91	82.8	5.78	6.5	SR5	7/31/2019 20:00	26.47	70.9	5.56	6.0
SR5	7/31/2019 2:05	26.38	70.5	5.38	5.9	SR5	7/31/2019 8:05	26.11	75.4	5.94	6.8	SR5	7/31/2019 14:05	26.92	82.4	5.73	5.6	SR5	7/31/2019 20:05	26.46	69.5	5.48	6.7
SR5	7/31/2019 2:10	26.40	70.6	5.38	5.4	SR5	7/31/2019 8:10	26.10	75.6	5.96	6.2	SR5	7/31/2019 14:10	26.91	80.9	5.63	5.7	SR5	7/31/2019 20:10	26.45	69.3	5.40	5.7
SR5	7/31/2019 2:15	26.38	69.9	5.33	6.7	SR5	7/31/2019 8:15	25.98	75.2	5.90	7.9	SR5	7/31/2019 14:15	26.86	78.9	5.48	8.3	SR5	7/31/2019 20:15	26.45	70.5	5.51	7.8
SR5	7/31/2019 2:20	26.60	69.0	5.24	8.3	SR5	7/31/2019 8:20	26.06	74.6	5.88	6.9	SR5	7/31/2019 14:20	26.94	83.2	5.79	5.4	SR5	7/31/2019 20:20	26.44	68.9	5.37	6.0
SR5	7/31/2019 2:25	26.66	68.8	5.23	7.2	SR5	7/31/2019 8:25	26.05	74.7	5.89	6.3	SR5	7/31/2019 14:25	26.90	81.6	5.68	7.9	SR5	7/31/2019 20:25	26.43	68.8	5.38	8.0
SR5	7/31/2019 2:30	26.66	70.0	5.32	6.7	SR5	7/31/2019 8:30	26.03	75.1	5.91	5.4	SR5	7/31/2019 14:30	26.90	80.6	5.61	5.5	SR5	7/31/2019 20:30	26.43	68.8	5.36	5.5
SR5	7/31/2019 2:35	26.69	70.8	5.40	6.3	SR5	7/31/2019 8:35	25.98	76.0	6.00	6.4	SR5	7/31/2019 14:35	26.89	79.8	5.56	7.7	SR5	7/31/2019 20:35	26.41	68.2	5.30	7.3
SR5	7/31/2019 2:40	26.65	70.0	5.34	5.9	SR5	7/31/2019 8:40	25.95	74.5	5.87	8.1	SR5	7/31/2019 14:40	26.92	81.9	5.70	7.1	SR5	7/31/2019 20:40	26.40	68.0	5.28	6.1
SR5	7/31/2019 2:45	26.64	69.0	5.24	8.2	SR5	7/31/2019 8:45	26.17	74.9	5.91	8.0	SR5	7/31/2019 14:45	26.96	83.4	5.81	6.4	SR5	7/31/2019 20:45	26.41	68.9	5.36	6.1
SR5	7/31/2019 2:50	26.76	70.2	5.34	7.8	SR5	7/31/2019 8:50	26.23	75.3	5.92	5.6	SR5	7/31/2019 14:50	26.96	84.3	5.87	7.1	SR5	7/31/2019 20:50	26.41	69.0	5.37	7.7
SR5	7/31/2019 2:55	26.80	71.1	5.43	6.3	SR5	7/31/2019 8:55	26.28	74.7	5.86	6.0	SR5	7/31/2019 14:55	26.96	83.4	5.81	7.0	SR5	7/31/2019 20:55	26.40	68.3	5.35	5.6
SR5	7/31/2019 3:00	26.79	70.0	5.33	7.6	SR5	7/31/2019 9:00	26.04	74.0	5.82	7.3	SR5	7/31/2019 15:00	26.97	84.1	5.87	7.4	SR5	7/31/2019 21:00	26.40	69.8	5.46	5.2
SR5	7/31/2019 3:05	26.77	71.0	5.42	5.8	SR5	7/31/2019 9:05	26.21	74.1	5.82	6.6	SR5	7/31/2019 15:05	26.96	82.5	5.75	6.2	SR5	7/31/2019 21:05	26.38	69.9	5.39	5.8
SR5	7/31/2019 3:10	26.80	70.4	5.37	7.0	SR5	7/31/2019 9:10	26.23	73.5	5.77	7.6	SR5	7/31/2019 15:10	26.97	82.9	5.78	7.9	SR5	7/31/2019 21:10	26.38	68.6	5.45	7.9
SR5	7/31/2019 3:15	26.79	69.6	5.29	6.5	SR5	7/31/2019 9:15	26.23	74.1	5.84	7.2	SR5	7/31/2019 15:15	26.98	82.6	5.75	7.2	SR5	7/31/2019 21:15	26.35	69.5	5.45	7.9
SR5	7/31/2019 3:20	26.75	69.7	5.31	7.4	SR5	7/31/2019 9:20	26.14	73.4	5.80	6.1	SR5	7/31/2019 15:20	26.97	82.5	5.75	6.1	SR5	7/31/2019 21:20	26.34	69.3	5.41	6.4
SR5	7/31/2019 3:25	26.80	70.7	5.39	6.1	SR5	7/31/2019 9:25	26.04	74.1	5.87	7.4	SR5	7/31/2019 15:25	26.97	82.4	5.74	5.9	SR5	7/31/2019 21:25	26.31	69.3	5.43	7.1
SR5	7/31/2019 3:30	26.84	69.8	5.32	6.6	SR5	7/31/2019 9:30	26.05	73.5	5.80	5.4	SR5	7/31/2019 15:30	26.94	81.9	5.71	6.6	SR5	7/31/2019 21:30	26.31	69.7	5.44	6.6
SR5	7/31/2019 3:35	26.83	69.8	5.30	6.6	SR5	7/31/2019 9:35	26.00	74.3	5.85	7.6	SR5	7/31/2019 15:35	26.95	82.1	5.72	5.9	SR5	7/31/2019 21:35	26.30	69.4	5.42	6.2
SR5	7/31/2019 3:40	26.89	69.8	5.31	6.8	SR5	7/31/2019 9:40	25.97	73.1	5.77	5.8	SR5	7/31/2019 15:40	26.95	81.8	5.70	6.2	SR5	7/31/2019 21:40	26.30	68.6	5.34	6.6
SR5	7/31/2019 3:45	26.87	70.9	5.41	7.0	SR5	7/31/2019 9:45	25.98	74.7	5.88	7.2	SR5	7/31/2019 15:45	26.95	81.5	5.68	6.1	SR5	7/31/2019 21:45	26.28	69.5	5.43	7.5
SR5	7/31/2019 3:50	26.86	69.8	5.32	6.4	SR5	7/31/2019 9:50	25.96	74.0	5.83	7.2	SR5	7/31/2019 15:50	26.94	81.9	5.70	7.8	SR5	7/31/2019 21:50	26.27	69.0	5.38	6.2
SR5	7/31/2019 3:55	26.84	70.1	5.34	7.3	SR5	7/31/2019 9:55	25															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	7/31/2019 0:01	26.80	57.8	4.04	6.5	SR12	7/31/2019 6:01	26.06	61.1	4.25	6.5	SR12	7/31/2019 12:01	26.17	66.0	4.92	6.1	SR12	7/31/2019 18:01	26.81	71.5	5.32	5.7
SR12	7/31/2019 0:06	26.79	57.2	3.99	5.5	SR12	7/31/2019 6:06	26.04	56.5	3.93	6.7	SR12	7/31/2019 12:06	26.14	62.5	4.66	6.3	SR12	7/31/2019 18:06	26.83	69.9	5.20	6.2
SR12	7/31/2019 0:11	26.75	56.3	3.93	6.0	SR12	7/31/2019 6:11	26.06	57.7	4.01	6.3	SR12	7/31/2019 12:11	26.14	63.5	4.74	6.7	SR12	7/31/2019 18:11	26.81	72.3	5.39	6.5
SR12	7/31/2019 0:16	26.76	57.5	4.01	6.5	SR12	7/31/2019 6:16	26.06	62.0	4.31	5.8	SR12	7/31/2019 12:16	26.18	64.9	4.84	8.6	SR12	7/31/2019 18:16	26.81	73.1	5.45	6.8
SR12	7/31/2019 0:21	26.78	58.0	4.05	6.2	SR12	7/31/2019 6:21	26.07	56.9	3.96	6.5	SR12	7/31/2019 12:21	26.19	65.6	4.90	6.9	SR12	7/31/2019 18:21	26.82	71.3	5.31	6.1
SR12	7/31/2019 0:26	26.78	58.4	4.08	6.1	SR12	7/31/2019 6:26	26.06	57.7	4.01	6.1	SR12	7/31/2019 12:26	26.19	65.8	4.92	5.9	SR12	7/31/2019 18:26	26.79	73.7	5.50	6.4
SR12	7/31/2019 0:31	26.76	57.3	4.00	6.5	SR12	7/31/2019 6:31	26.07	61.8	4.30	6.2	SR12	7/31/2019 12:31	26.20	62.9	4.70	5.5	SR12	7/31/2019 18:31	26.80	70.3	5.23	6.3
SR12	7/31/2019 0:36	26.74	56.8	3.97	5.7	SR12	7/31/2019 6:36	26.04	59.2	4.12	6.8	SR12	7/31/2019 12:36	26.20	62.6	4.68	9.3	SR12	7/31/2019 18:36	26.71	72.5	5.41	6.6
SR12	7/31/2019 0:41	26.67	55.7	3.89	5.9	SR12	7/31/2019 6:41	26.01	59.4	4.13	6.6	SR12	7/31/2019 12:41	26.19	65.3	4.89	6.2	SR12	7/31/2019 18:41	26.68	71.1	5.30	6.6
SR12	7/31/2019 0:46	26.65	60.8	4.23	5.5	SR12	7/31/2019 6:46	26.06	60.1	4.18	6.7	SR12	7/31/2019 12:46	26.34	70.6	5.26	5.7	SR12	7/31/2019 18:46	26.78	69.7	5.19	6.8
SR12	7/31/2019 0:51	26.70	58.4	4.06	5.4	SR12	7/31/2019 6:51	26.05	57.2	3.98	6.5	SR12	7/31/2019 12:51	26.32	66.3	4.93	5.7	SR12	7/31/2019 18:51	26.85	72.8	5.44	6.1
SR12	7/31/2019 0:56	26.59	60.8	4.23	5.9	SR12	7/31/2019 6:56	26.05	58.4	4.06	6.7	SR12	7/31/2019 12:56	26.30	68.1	5.08	5.8	SR12	7/31/2019 18:56	26.81	71.2	5.32	6.5
SR12	7/31/2019 1:01	26.60	59.0	4.10	5.9	SR12	7/31/2019 7:01	26.07	56.2	3.91	6.9	SR12	7/31/2019 13:01	26.31	67.7	5.05	6.5	SR12	7/31/2019 19:01	26.76	70.1	5.23	6.3
SR12	7/31/2019 1:06	26.52	59.7	4.15	5.9	SR12	7/31/2019 7:06	26.07	56.7	3.94	6.3	SR12	7/31/2019 13:06	26.35	70.7	5.26	6.6	SR12	7/31/2019 19:06	26.76	70.8	5.29	6.5
SR12	7/31/2019 1:11	26.47	58.7	4.08	5.7	SR12	7/31/2019 7:11	26.08	59.2	4.12	6.5	SR12	7/31/2019 13:11	26.33	68.5	5.10	6.8	SR12	7/31/2019 19:11	26.72	70.5	5.26	6.5
SR12	7/31/2019 1:16	26.53	57.7	4.01	5.5	SR12	7/31/2019 7:16	26.05	62.4	4.34	6.4	SR12	7/31/2019 13:16	26.34	67.4	5.00	6.2	SR12	7/31/2019 19:16	26.73	69.7	5.19	6.3
SR12	7/31/2019 1:21	26.60	62.0	4.31	6.0	SR12	7/31/2019 7:21	26.09	59.4	4.13	6.8	SR12	7/31/2019 13:21	26.37	68.1	5.05	6.3	SR12	7/31/2019 19:21	26.74	72.8	5.44	6.4
SR12	7/31/2019 1:26	26.61	61.8	4.30	6.2	SR12	7/31/2019 7:26	26.47	64.0	4.76	6.8	SR12	7/31/2019 13:26	26.39	70.8	5.27	6.4	SR12	7/31/2019 19:26	26.71	70.3	5.23	7.0
SR12	7/31/2019 1:31	26.62	56.4	3.94	5.7	SR12	7/31/2019 7:31	26.43	64.5	4.82	6.5	SR12	7/31/2019 13:31	26.42	69.8	5.18	6.6	SR12	7/31/2019 19:31	26.74	70.2	5.23	6.1
SR12	7/31/2019 1:36	26.58	61.0	4.24	6.1	SR12	7/31/2019 7:36	26.41	63.8	4.78	6.3	SR12	7/31/2019 13:36	26.50	73.1	5.43	7.1	SR12	7/31/2019 19:36	26.72	67.8	5.04	7.0
SR12	7/31/2019 1:41	26.48	58.5	4.07	6.6	SR12	7/31/2019 7:41	26.32	60.3	4.51	6.9	SR12	7/31/2019 13:41	26.50	72.8	5.40	6.8	SR12	7/31/2019 19:41	26.75	68.7	5.12	6.6
SR12	7/31/2019 1:46	26.50	60.7	4.22	6.0	SR12	7/31/2019 7:46	26.26	61.4	4.60	6.2	SR12	7/31/2019 13:46	26.49	73.4	5.45	6.0	SR12	7/31/2019 19:46	26.74	71.6	5.35	6.7
SR12	7/31/2019 1:51	26.46	59.1	4.11	5.7	SR12	7/31/2019 7:51	26.26	59.2	4.43	7.0	SR12	7/31/2019 13:51	26.48	71.3	5.28	6.6	SR12	7/31/2019 19:51	26.74	70.2	5.23	6.0
SR12	7/31/2019 1:56	26.49	60.7	4.22	6.3	SR12	7/31/2019 7:56	26.24	63.3	4.75	6.3	SR12	7/31/2019 13:56	26.48	71.1	5.27	7.2	SR12	7/31/2019 19:56	26.76	69.9	5.21	7.0
SR12	7/31/2019 2:01	26.49	58.8	4.09	6.1	SR12	7/31/2019 8:01	26.25	62.5	4.68	6.5	SR12	7/31/2019 14:01	26.48	73.6	5.47	6.1	SR12	7/31/2019 20:01	26.74	69.2	5.16	6.7
SR12	7/31/2019 2:06	26.55	62.7	4.36	6.7	SR12	7/31/2019 8:06	26.23	61.8	4.63	6.3	SR12	7/31/2019 14:06	26.49	73.8	5.47	6.4	SR12	7/31/2019 20:06	26.79	69.1	5.16	6.7
SR12	7/31/2019 2:11	26.52	62.4	4.34	6.8	SR12	7/31/2019 8:11	26.21	63.5	4.77	6.5	SR12	7/31/2019 14:11	26.50	72.8	5.40	6.7	SR12	7/31/2019 20:11	26.78	68.5	5.10	6.6
SR12	7/31/2019 2:16	26.55	61.1	4.25	5.8	SR12	7/31/2019 8:16	26.17	60.0	4.48	6.0	SR12	7/31/2019 14:16	26.49	71.5	5.29	6.6	SR12	7/31/2019 20:16	26.72	69.4	5.20	6.8
SR12	7/31/2019 2:21	26.56	57.1	3.97	6.5	SR12	7/31/2019 8:21	26.16	60.4	4.53	6.2	SR12	7/31/2019 14:21	26.50	72.5	5.38	6.7	SR12	7/31/2019 20:21	26.69	65.1	4.86	6.4
SR12	7/31/2019 2:26	26.58	55.7	3.89	6.6	SR12	7/31/2019 8:26	26.17	61.1	4.59	6.3	SR12	7/31/2019 14:26	26.52	73.9	5.49	7.1	SR12	7/31/2019 20:26	26.73	67.6	5.05	6.7
SR12	7/31/2019 2:31	26.57	58.4	4.06	5.9	SR12	7/31/2019 8:31	26.18	59.6	4.47	6.1	SR12	7/31/2019 14:31	26.48	73.1	5.44	6.8	SR12	7/31/2019 20:31	26.65	64.3	4.81	6.6
SR12	7/31/2019 2:36	26.56	61.0	4.24	6.3	SR12	7/31/2019 8:36	26.16	62.1	4.67	5.8	SR12	7/31/2019 14:36	26.49	71.5	5.31	6.5	SR12	7/31/2019 20:36	26.63	63.1	4.71	6.5
SR12	7/31/2019 2:41	26.54	60.1	4.18	6.3	SR12	7/31/2019 8:41	26.17	59.2	4.44	6.5	SR12	7/31/2019 14:41	26.45	71.1	5.28	6.7	SR12	7/31/2019 20:41	26.63	62.6	4.68	6.1
SR12	7/31/2019 2:46	26.52	56.5	3.93	6.0	SR12	7/31/2019 8:46	26.15	59.2	4.45	6.4	SR12	7/31/2019 14:46	26.43	69.3	5.15	6.8	SR12	7/31/2019 20:46	26.58	65.0	4.86	6.7
SR12	7/31/2019 2:51	26.52	60.0	4.17	6.0	SR12	7/31/2019 8:51	26.15	59.1	4.43	5.7	SR12	7/31/2019 14:51	26.51	71.6	5.31	6.7	SR12	7/31/2019 20:51	26.54	65.6	4.91	6.8
SR12	7/31/2019 2:56	26.46	62.0	4.31	5.6	SR12	7/31/2019 8:56	26.15	57.7	4.32	6.2	SR12	7/31/2019 14:56	26.51	71.1	5.29	6.1	SR12	7/31/2019 20:56	26.54	64.4	4.82	5.6
SR12	7/31/2019 3:01	26.49	58.8	4.09	6.1	SR12	7/31/2019 9:01	26.16	58.0	4.35	6.4	SR12	7/31/2019 15:01	26.50	72.6	5.41	6.9	SR12	7/31/2019 21:01	26.55	66.3	4.97	6.0
SR12	7/31/2019 3:06	26.52	62.0	4.31	6.8	SR12	7/31/2019 9:06	26.21	59.7	4.47	6.9	SR12	7/31/2019 15:06	26.56	71.8	5.33	6.9	SR12	7/31/2019 21:06	26.56	65.6	4.91	6.3
SR12	7/31/2019 3:11	26.49	62.1	4.32	6.5	SR12	7/31/2019 9:11	26.18	57.9	4.34	6.1	SR12	7/31/2019 15:11	26.59	72.0	5.36	6.3	SR12	7/31/2019 21:11	26.57	67.1	5.03	6.6
SR12	7/31/2019 3:16	26.48	57.5	4.00	6.7	SR12	7/31/2019 9:16	26.19	60.9	4.57	6.3	SR12	7/31/2019 15:16	26.57	69.6	5.18	6.2	SR12	7/31/2019 21:16	26.58	66.8	5.01	6.5
SR12	7/31/2019 3:21	26.47	59.8	4.16	6.1	SR12	7/31/2019 9:21	26.23	61.2	4.59	6.0	SR12	7/31/2019 15:21	26.59	70.2	5.23	6.2	SR12	7/31/2019 21:21	26.58	65.1	4.86	6.5
SR12	7/31/2019 3:26	26.47	62.3	4.33	5.9	SR12	7/31/2019 9:26	26.22	63.4	4.75	6.3	SR12	7/31/2019 15:26	26.61	69.8	5.19	6.4	SR12	7/31/2019 21:26	26.62	63.8	4.77	6.6
SR12	7/31/2019 3:31	26.47	58.1	4.04	6.3	SR12	7/31/2019 9:31	26.24	60.9	4.55	6.6	SR12	7/31/2019 15:31	26.59	71.1	5.29	6.3	SR12	7/31/2019 21:31	26.62	66.9	5.00	7.1
SR12	7/31/2019 3:36	26.49	56.2	3.91	6.3	SR12	7/31/2019 9:36	26.23	61.6	4.59	6.5	SR12	7/31/2019 15:36	26.62	70.7	5.27	5.6	SR12	7/31/2019 21:36	26.59	65.7	4.91	6.4
SR12	7/31/2019 3:41	26.50	58.4	4.06	6.7	SR12	7/31/2019 9:41	26.16	59.4	4.45	6.5	SR12	7/31/2019 15:41	26.65	74.0	5.52	5.9	SR12	7/31/2019 21:41	26.60	63.4	4.73	6.6
SR12	7/31/2019 3:46	26.52	61.8	4.30	5.7	SR12	7/31/2019 9:46	26.23	62.6	4.69	7.2	SR12	7/31/2019 15:46	26.60	74.1	5.52	6.6	SR12	7/31/2019 21:46	26.60	65.6	4.91	6.6
SR12	7/31/2019 3:51	26.51	57.7	4.01	5.6	SR12	7/31/2019 9:51	26.22	60.5	4.52	6.8	SR12	7/31/2019 15:51	26.58									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	7/31/2019 0:00	27.36	67.1	4.98	7.0	SR13	7/31/2019 6:00	27.25	69.0	5.16	7.1	SR13	7/31/2019 12:00	27.40	75.1	5.51	6.6	SR13	7/31/2019 18:00	27.64	78.8	5.82	6.6
SR13	7/31/2019 0:05	27.35	66.9	4.96	6.7	SR13	7/31/2019 6:05	27.36	70.4	5.38	7.3	SR13	7/31/2019 12:05	27.42	76.3	5.60	6.6	SR13	7/31/2019 18:05	27.63	77.7	5.73	7.4
SR13	7/31/2019 0:10	27.38	64.5	4.80	6.0	SR13	7/31/2019 6:10	27.35	71.0	5.43	6.4	SR13	7/31/2019 12:10	27.42	76.1	5.58	7.1	SR13	7/31/2019 18:10	27.64	77.5	5.72	6.8
SR13	7/31/2019 0:15	27.39	67.0	4.98	6.4	SR13	7/31/2019 6:15	27.34	71.3	5.46	6.3	SR13	7/31/2019 12:15	27.47	77.1	5.66	7.5	SR13	7/31/2019 18:15	27.62	76.7	5.65	6.7
SR13	7/31/2019 0:20	27.43	66.3	4.93	7.4	SR13	7/31/2019 6:20	27.31	69.4	5.31	7.5	SR13	7/31/2019 12:20	27.50	77.5	5.68	6.8	SR13	7/31/2019 18:20	27.64	76.6	5.65	6.9
SR13	7/31/2019 0:25	27.43	67.3	5.00	6.7	SR13	7/31/2019 6:25	27.28	69.7	5.34	7.2	SR13	7/31/2019 12:25	27.52	78.0	5.72	6.6	SR13	7/31/2019 18:25	27.63	77.7	5.74	6.6
SR13	7/31/2019 0:30	27.44	66.2	4.92	6.6	SR13	7/31/2019 6:30	27.27	68.7	5.27	6.8	SR13	7/31/2019 12:30	27.54	76.9	5.64	7.2	SR13	7/31/2019 18:30	27.63	77.2	5.69	6.8
SR13	7/31/2019 0:35	27.44	66.9	4.98	6.4	SR13	7/31/2019 6:35	27.26	70.6	5.41	6.6	SR13	7/31/2019 12:35	27.52	76.5	5.61	7.6	SR13	7/31/2019 18:35	27.62	75.7	5.59	6.6
SR13	7/31/2019 0:40	27.45	66.2	4.92	6.2	SR13	7/31/2019 6:40	27.21	70.4	5.40	6.9	SR13	7/31/2019 12:40	27.52	77.5	5.69	6.4	SR13	7/31/2019 18:40	27.61	74.5	5.50	6.7
SR13	7/31/2019 0:45	27.48	68.3	5.07	6.9	SR13	7/31/2019 6:45	27.20	70.1	5.38	7.0	SR13	7/31/2019 12:45	27.56	77.7	5.70	6.8	SR13	7/31/2019 18:45	27.64	74.9	5.75	6.5
SR13	7/31/2019 0:50	27.45	67.9	5.05	7.0	SR13	7/31/2019 6:50	27.18	70.6	5.41	6.8	SR13	7/31/2019 12:50	27.54	76.6	5.62	6.8	SR13	7/31/2019 18:50	27.60	74.9	5.75	6.9
SR13	7/31/2019 0:55	27.46	67.5	5.03	6.5	SR13	7/31/2019 6:55	27.15	69.3	5.31	6.8	SR13	7/31/2019 12:55	27.54	76.2	5.58	7.2	SR13	7/31/2019 18:55	27.55	74.8	5.76	6.4
SR13	7/31/2019 1:00	27.47	65.7	4.90	7.1	SR13	7/31/2019 7:00	27.16	69.5	5.33	7.2	SR13	7/31/2019 13:00	27.53	76.8	5.64	6.4	SR13	7/31/2019 19:00	27.52	73.1	5.62	6.4
SR13	7/31/2019 1:05	27.48	65.1	4.87	6.8	SR13	7/31/2019 7:05	27.15	69.4	5.32	6.8	SR13	7/31/2019 13:05	27.52	76.8	5.64	7.1	SR13	7/31/2019 19:05	27.52	74.0	5.68	6.5
SR13	7/31/2019 1:10	27.47	66.0	4.92	6.0	SR13	7/31/2019 7:10	27.16	69.1	5.30	6.3	SR13	7/31/2019 13:10	27.55	77.5	5.69	7.1	SR13	7/31/2019 19:10	27.47	72.7	5.60	6.5
SR13	7/31/2019 1:15	27.46	66.9	4.97	6.4	SR13	7/31/2019 7:15	27.14	70.3	5.40	6.5	SR13	7/31/2019 13:15	27.56	75.8	5.57	6.3	SR13	7/31/2019 19:15	27.48	72.0	5.53	6.9
SR13	7/31/2019 1:20	27.46	66.8	4.98	6.7	SR13	7/31/2019 7:20	27.14	69.1	5.30	6.9	SR13	7/31/2019 13:20	27.53	75.6	5.55	7.3	SR13	7/31/2019 19:20	27.47	72.3	5.57	5.9
SR13	7/31/2019 1:25	27.45	65.7	4.91	6.8	SR13	7/31/2019 7:25	27.16	69.6	5.38	6.5	SR13	7/31/2019 13:25	27.56	76.5	5.62	7.1	SR13	7/31/2019 19:25	27.45	72.8	5.60	6.8
SR13	7/31/2019 1:30	27.45	66.3	4.93	6.6	SR13	7/31/2019 7:30	27.14	69.6	5.39	6.3	SR13	7/31/2019 13:30	27.60	76.7	5.64	7.2	SR13	7/31/2019 19:30	27.43	73.2	5.62	6.7
SR13	7/31/2019 1:35	27.42	67.3	5.00	6.8	SR13	7/31/2019 7:35	27.15	69.2	5.35	6.8	SR13	7/31/2019 13:35	27.58	75.0	5.52	7.0	SR13	7/31/2019 19:35	27.42	72.6	5.58	6.3
SR13	7/31/2019 1:40	27.44	66.3	4.94	6.5	SR13	7/31/2019 7:40	27.18	69.0	5.34	6.9	SR13	7/31/2019 13:40	27.58	76.0	5.60	6.8	SR13	7/31/2019 19:40	27.41	73.2	5.62	6.3
SR13	7/31/2019 1:45	27.44	67.7	5.04	6.9	SR13	7/31/2019 7:45	27.20	69.9	5.40	7.0	SR13	7/31/2019 13:45	27.61	76.0	5.59	6.8	SR13	7/31/2019 19:45	27.43	73.1	5.62	7.0
SR13	7/31/2019 1:50	27.43	67.2	5.00	6.7	SR13	7/31/2019 7:50	27.20	69.1	5.34	6.5	SR13	7/31/2019 13:50	27.62	77.0	5.67	6.9	SR13	7/31/2019 19:50	27.42	73.7	5.67	6.1
SR13	7/31/2019 1:55	27.49	65.3	4.87	6.4	SR13	7/31/2019 7:55	27.21	70.8	5.48	7.0	SR13	7/31/2019 13:55	27.62	75.3	5.54	6.6	SR13	7/31/2019 19:55	27.42	73.9	5.69	6.4
SR13	7/31/2019 2:00	27.49	66.1	4.92	6.8	SR13	7/31/2019 8:00	27.18	70.6	5.46	6.4	SR13	7/31/2019 14:00	27.63	76.8	5.66	6.7	SR13	7/31/2019 20:00	27.42	73.1	5.62	6.2
SR13	7/31/2019 2:05	27.50	67.5	5.02	6.3	SR13	7/31/2019 8:05	27.22	71.5	5.53	6.7	SR13	7/31/2019 14:05	27.64	76.9	5.65	6.4	SR13	7/31/2019 20:05	27.43	72.1	5.55	6.8
SR13	7/31/2019 2:10	27.51	65.7	4.89	6.1	SR13	7/31/2019 8:10	27.23	70.6	5.45	6.6	SR13	7/31/2019 14:10	27.62	76.7	5.64	6.3	SR13	7/31/2019 20:10	27.42	73.2	5.62	6.5
SR13	7/31/2019 2:15	27.50	64.7	4.82	6.7	SR13	7/31/2019 8:15	27.18	70.7	5.45	7.2	SR13	7/31/2019 14:15	27.61	75.8	5.58	7.0	SR13	7/31/2019 20:15	27.41	73.2	5.62	7.0
SR13	7/31/2019 2:20	27.58	65.6	4.88	7.4	SR13	7/31/2019 8:20	27.19	69.6	5.39	6.7	SR13	7/31/2019 14:20	27.65	78.6	5.78	5.9	SR13	7/31/2019 20:20	27.42	71.7	5.50	6.3
SR13	7/31/2019 2:25	27.61	66.9	4.97	6.6	SR13	7/31/2019 8:25	27.21	71.1	5.50	6.8	SR13	7/31/2019 14:25	27.61	78.5	5.78	7.3	SR13	7/31/2019 20:25	27.41	72.6	5.58	7.1
SR13	7/31/2019 2:30	27.61	65.4	4.86	6.5	SR13	7/31/2019 8:30	27.20	70.3	5.43	6.2	SR13	7/31/2019 14:30	27.60	77.7	5.72	6.4	SR13	7/31/2019 20:30	27.39	72.7	5.58	6.4
SR13	7/31/2019 2:35	27.62	66.7	4.96	6.5	SR13	7/31/2019 8:35	27.15	69.8	5.41	6.7	SR13	7/31/2019 14:35	27.58	77.2	5.68	6.9	SR13	7/31/2019 20:35	27.39	71.9	5.51	6.8
SR13	7/31/2019 2:40	27.60	67.3	5.01	6.4	SR13	7/31/2019 8:40	27.15	70.4	5.45	7.4	SR13	7/31/2019 14:40	27.60	78.7	5.79	6.8	SR13	7/31/2019 20:40	27.38	71.4	5.47	6.2
SR13	7/31/2019 2:45	27.59	65.5	4.87	7.1	SR13	7/31/2019 8:45	27.22	70.2	5.44	7.2	SR13	7/31/2019 14:45	27.65	78.2	5.75	6.6	SR13	7/31/2019 20:45	27.37	72.6	5.57	6.3
SR13	7/31/2019 2:50	27.61	67.2	5.00	7.0	SR13	7/31/2019 8:50	27.25	70.4	5.45	6.4	SR13	7/31/2019 14:50	27.66	79.6	5.86	6.8	SR13	7/31/2019 20:50	27.36	72.9	5.60	6.9
SR13	7/31/2019 2:55	27.62	65.8	4.91	6.7	SR13	7/31/2019 8:55	27.25	68.8	5.31	6.4	SR13	7/31/2019 14:55	27.65	78.0	5.74	6.8	SR13	7/31/2019 20:55	27.35	73.0	5.61	6.0
SR13	7/31/2019 3:00	27.56	66.8	4.97	7.2	SR13	7/31/2019 9:00	27.17	69.0	5.35	7.2	SR13	7/31/2019 15:00	27.68	79.6	5.86	6.8	SR13	7/31/2019 21:00	27.35	72.5	5.57	5.8
SR13	7/31/2019 3:05	27.54	67.1	5.00	6.6	SR13	7/31/2019 9:05	27.27	70.3	5.44	7.5	SR13	7/31/2019 15:05	27.67	78.8	5.80	6.5	SR13	7/31/2019 21:05	27.34	72.8	5.60	6.2
SR13	7/31/2019 3:10	27.50	65.1	4.86	7.0	SR13	7/31/2019 9:10	27.28	70.8	5.46	7.1	SR13	7/31/2019 15:10	27.68	80.0	5.89	7.2	SR13	7/31/2019 21:10	27.34	73.5	5.66	6.7
SR13	7/31/2019 3:15	27.50	65.5	4.88	6.9	SR13	7/31/2019 9:15	27.29	69.1	5.34	7.2	SR13	7/31/2019 15:15	27.67	79.9	5.89	7.1	SR13	7/31/2019 21:15	27.33	72.4	5.57	7.0
SR13	7/31/2019 3:20	27.47	65.9	4.91	6.4	SR13	7/31/2019 9:20	27.22	70.0	5.42	6.9	SR13	7/31/2019 15:20	27.67	80.0	5.90	6.5	SR13	7/31/2019 21:20	27.31	73.2	5.64	6.3
SR13	7/31/2019 3:25	27.49	68.1	5.07	6.2	SR13	7/31/2019 9:25	27.14	71.1	5.50	6.9	SR13	7/31/2019 15:25	27.68	79.3	5.84	6.7	SR13	7/31/2019 21:25	27.30	72.1	5.55	6.4
SR13	7/31/2019 3:30	27.49	66.4	4.94	6.1	SR13	7/31/2019 9:30	27.13	72.1	5.57	6.2	SR13	7/31/2019 15:30	27.67	79.1	5.82	6.5	SR13	7/31/2019 21:30	27.30	72.6	5.58	6.4
SR13	7/31/2019 3:35	27.49	66.5	4.94	6.9	SR13	7/31/2019 9:35	27.12	73.1	5.64	6.9	SR13	7/31/2019 15:35	27.67	78.6	5.79	6.7	SR13	7/31/2019 21:35	27.28	72.1	5.56	6.3
SR13	7/31/2019 3:40	27.52	66.2	4.92	6.7	SR13	7/31/2019 9:40	27.08	71.3	5.50	6.5	SR13	7/31/2019 15:40	27.67	79.8	5.88	6.3	SR13	7/31/2019 21:40	27.26	72.2	5.55	6.3
SR13	7/31/2019 3:45	27.50	67.5	5.02	6.7	SR13	7/31/2019 9:45	27.07	70.7	5.46	6.7	SR13	7/31/2019 15:45	27.64	79.5	5.86	6.5	SR13	7/31/2019 21:45	27.25	72.5	5.59	6.8
SR13	7/31/2019 3:50	27.51	65.0	4.85	7.0	SR13	7/31/2019 9:50	27.07	69.6	5.39	6.9	SR13	7/31/2019 15:50	27.66									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	7/31/2019 0:17	0.22				SR12	7/31/2019 0:17	0.25			
SR4	7/31/2019 0:37	0.22				SR12	7/31/2019 0:37	0.25			
SR4	7/31/2019 0:57	0.23				SR12	7/31/2019 0:57	0.25			
SR4	7/31/2019 1:17	0.24				SR12	7/31/2019 1:17	0.27			
SR4	7/31/2019 1:37	0.23				SR12	7/31/2019 1:37	0.26			
SR4	7/31/2019 1:57	0.22				SR12	7/31/2019 1:57	0.27			
SR4	7/31/2019 2:17	0.23				SR12	7/31/2019 2:17	0.26			
SR4	7/31/2019 2:37	0.24				SR12	7/31/2019 2:37	0.27			
SR4	7/31/2019 2:57	0.23				SR12	7/31/2019 2:57	0.27			
SR4	7/31/2019 3:17	0.24				SR12	7/31/2019 3:17	0.26			
SR4	7/31/2019 3:37	0.23				SR12	7/31/2019 3:37	0.26			
SR4	7/31/2019 3:57	0.23				SR12	7/31/2019 3:57	0.25			
SR4	7/31/2019 4:17	0.23				SR12	7/31/2019 4:17	0.27			
SR4	7/31/2019 4:37	0.23				SR12	7/31/2019 4:37	0.26			
SR4	7/31/2019 4:57	0.24				SR12	7/31/2019 4:57	0.27			
SR4	7/31/2019 5:17	0.22				SR12	7/31/2019 5:17	0.26			
SR4	7/31/2019 5:37	0.23				SR12	7/31/2019 5:37	0.26			
SR4	7/31/2019 5:57	0.23				SR12	7/31/2019 5:57	0.25			
SR4						SR12					
SR4	7/31/2019 6:37	0.22				SR12	7/31/2019 6:37	0.27			
SR4	7/31/2019 6:57	0.23				SR12	7/31/2019 6:57	0.26			
SR4	7/31/2019 7:17	0.22				SR12	7/31/2019 7:17	0.26			
SR4	7/31/2019 7:37	0.24				SR12	7/31/2019 7:37	0.25			
SR4	7/31/2019 7:57	0.22				SR12	7/31/2019 7:57	0.27			
SR4	7/31/2019 8:17	0.24				SR12	7/31/2019 8:17	0.27			
SR4	7/31/2019 8:37	0.22				SR12	7/31/2019 8:37	0.27			
SR4	7/31/2019 8:57	0.23				SR12	7/31/2019 8:57	0.29			
SR4	7/31/2019 9:17	0.24				SR12	7/31/2019 9:17	0.27			
SR4	7/31/2019 9:37	0.24				SR12	7/31/2019 9:37	0.29			
SR4	7/31/2019 9:57	0.22				SR12	7/31/2019 9:57	0.28			
SR4	7/31/2019 10:17	0.23				SR12	7/31/2019 10:17	0.28			
SR4	7/31/2019 10:37	0.24				SR12	7/31/2019 10:37	0.29			
SR4	7/31/2019 10:57	0.24				SR12	7/31/2019 10:57	0.29			
SR4	7/31/2019 11:17	0.22				SR12	7/31/2019 11:17	0.28			
SR4	7/31/2019 11:37	0.23				SR12	7/31/2019 11:37	0.27			
SR4	7/31/2019 11:57	0.23				SR12	7/31/2019 11:57	0.28			
SR4	7/31/2019 12:17	0.22				SR12	7/31/2019 12:17	0.29			
SR4	7/31/2019 12:37	0.22				SR12	7/31/2019 12:37	0.29			
SR4	7/31/2019 12:57	0.24				SR12	7/31/2019 12:57	0.28			
SR4	7/31/2019 13:17	0.24				SR12	7/31/2019 13:17	0.29			
SR4	7/31/2019 13:37	0.22				SR12	7/31/2019 13:37	0.27			
SR4	7/31/2019 13:57	0.24				SR12	7/31/2019 13:57	0.29			
SR4	7/31/2019 14:17	0.23				SR12	7/31/2019 14:17	0.28			
SR4	7/31/2019 14:37	0.24				SR12	7/31/2019 14:37	0.29			
SR4	7/31/2019 14:57	0.22				SR12	7/31/2019 14:57	0.28			
SR4	7/31/2019 15:17	0.24				SR12	7/31/2019 15:17	0.29			
SR4	7/31/2019 15:37	0.24				SR12	7/31/2019 15:37	0.28			
SR4	7/31/2019 15:57	0.24				SR12	7/31/2019 15:57	0.31			
SR4	7/31/2019 16:17	0.23				SR12	7/31/2019 16:17	0.31			
SR4	7/31/2019 16:37	0.24				SR12	7/31/2019 16:37	0.31			
SR4	7/31/2019 16:57	0.23				SR12	7/31/2019 16:57	0.30			
SR4	7/31/2019 17:17	0.23				SR12	7/31/2019 17:17	0.30			
SR4	7/31/2019 17:37	0.23				SR12	7/31/2019 17:37	0.29			
SR4	7/31/2019 17:57	0.24				SR12	7/31/2019 17:57	0.31			
SR4	7/31/2019 18:17	0.24				SR12	7/31/2019 18:17	0.29			
SR4	7/31/2019 18:37	0.23				SR12	7/31/2019 18:37	0.30			
SR4	7/31/2019 18:57	0.24				SR12	7/31/2019 18:57	0.31			
SR4	7/31/2019 19:17	0.24				SR12	7/31/2019 19:17	0.31			
SR4	7/31/2019 19:37	0.24				SR12	7/31/2019 19:37	0.31			
SR4	7/31/2019 19:57	0.23				SR12	7/31/2019 19:57	0.29			
SR4	7/31/2019 20:17	0.24				SR12	7/31/2019 20:17	0.30			
SR4	7/31/2019 20:37	0.24				SR12	7/31/2019 20:37	0.30			
SR4	7/31/2019 20:57	0.24				SR12	7/31/2019 20:57	0.31			
SR4	7/31/2019 21:17	0.25				SR12	7/31/2019 21:17	0.30			
SR4	7/31/2019 21:37	0.24				SR12	7/31/2019 21:37	0.31			
SR4	7/31/2019 21:57	0.24				SR12	7/31/2019 21:57	0.30			
SR4	7/31/2019 22:17	0.24				SR12	7/31/2019 22:17	0.31			
SR4	7/31/2019 22:37	0.25				SR12	7/31/2019 22:37	0.30			
SR4	7/31/2019 22:57	0.25				SR12	7/31/2019 22:57	0.30			
SR4	7/31/2019 23:17	0.24				SR12	7/31/2019 23:17	0.31			
SR4	7/31/2019 23:37	0.23				SR12	7/31/2019 23:37	0.31			
SR4	7/31/2019 23:57	0.25				SR12	7/31/2019 23:57	0.33			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/1/2019 0:01	27.75	67.2	5.09	7.5	SR4	8/1/2019 6:01	27.74	70.4	5.33	6.6	SR4	8/1/2019 12:01	27.92	72.6	5.47	5.8	SR4	8/1/2019 18:01	25.90	95.3	7.73	6.2
SR4	8/1/2019 0:06	27.76	67.1	5.08	6.9	SR4	8/1/2019 6:06	27.76	70.2	5.30	7.1	SR4	8/1/2019 12:06	27.92	71.4	5.37	6.0	SR4	8/1/2019 18:06	26.36	78.5	6.29	5.9
SR4	8/1/2019 0:11	27.76	67.8	5.14	6.9	SR4	8/1/2019 6:11	27.76	71.9	5.44	7.4	SR4	8/1/2019 12:11	27.90	72.5	5.46	6.4	SR4	8/1/2019 18:11	26.33	79.0	6.25	5.3
SR4	8/1/2019 0:16	27.78	66.7	5.06	7.3	SR4	8/1/2019 6:16	27.76	73.6	5.58	6.9	SR4	8/1/2019 12:16	27.90	70.7	5.33	6.6	SR4	8/1/2019 18:16	25.93	89.0	7.21	7.7
SR4	8/1/2019 0:21	27.77	66.8	5.06	6.2	SR4	8/1/2019 6:21	27.79	73.7	5.58	5.9	SR4	8/1/2019 12:21	27.90	73.2	5.51	5.7	SR4	8/1/2019 18:21	25.97	83.6	6.76	8.5
SR4	8/1/2019 0:26	27.77	66.4	5.03	6.0	SR4	8/1/2019 6:26	27.81	76.8	5.82	7.7	SR4	8/1/2019 12:26	27.90	70.4	5.30	6.6	SR4	8/1/2019 18:26	26.34	68.4	5.11	8.5
SR4	8/1/2019 0:31	27.69	72.8	5.53	6.3	SR4	8/1/2019 6:31	27.82	74.4	5.63	7.7	SR4	8/1/2019 12:31	27.89	72.8	5.48	5.8	SR4	8/1/2019 18:31	26.37	73.0	5.05	5.5
SR4	8/1/2019 0:36	27.64	73.0	5.55	7.3	SR4	8/1/2019 6:36	27.82	72.8	5.50	7.4	SR4	8/1/2019 12:36	27.87	68.7	5.18	7.5	SR4	8/1/2019 18:36	26.37	71.6	4.95	5.9
SR4	8/1/2019 0:41	27.71	68.4	5.19	7.8	SR4	8/1/2019 6:41	27.80	74.1	5.61	6.4	SR4	8/1/2019 12:41	27.87	71.2	5.37	6.0	SR4	8/1/2019 18:41	26.34	69.4	4.80	5.4
SR4	8/1/2019 0:46	27.74	67.5	5.12	7.3	SR4	8/1/2019 6:46	27.78	71.8	5.43	7.7	SR4	8/1/2019 12:46	27.86	68.3	5.15	6.8	SR4	8/1/2019 18:46	26.31	73.6	5.09	5.3
SR4	8/1/2019 0:51	27.69	67.9	5.15	5.9	SR4	8/1/2019 6:51	27.75	71.7	5.42	6.7	SR4	8/1/2019 12:51	27.85	71.4	5.38	7.8	SR4	8/1/2019 18:51	26.30	71.2	4.93	5.4
SR4	8/1/2019 0:56	27.70	68.7	5.22	6.8	SR4	8/1/2019 6:56	27.82	75.3	5.70	7.7	SR4	8/1/2019 12:56	27.85	70.4	5.31	6.3	SR4	8/1/2019 18:56	26.30	70.4	4.86	6.7
SR4	8/1/2019 1:01	27.66	69.6	5.29	6.0	SR4	8/1/2019 7:01	27.84	74.8	5.65	7.4	SR4	8/1/2019 13:01	27.82	69.0	5.20	7.5	SR4	8/1/2019 19:01	26.31	71.2	4.91	5.5
SR4	8/1/2019 1:06	27.63	69.5	5.28	7.5	SR4	8/1/2019 7:06	27.86	75.0	5.66	6.8	SR4	8/1/2019 13:06	27.83	72.2	5.44	7.0	SR4	8/1/2019 19:06	26.31	72.1	4.97	5.6
SR4	8/1/2019 1:11	27.63	69.3	5.26	6.9	SR4	8/1/2019 7:11	27.86	76.3	5.77	6.5	SR4	8/1/2019 13:11	27.84	71.2	5.37	5.9	SR4	8/1/2019 19:11	26.31	71.1	4.90	6.0
SR4	8/1/2019 1:16	27.62	70.2	5.33	6.2	SR4	8/1/2019 7:16	27.86	74.1	5.59	6.1	SR4	8/1/2019 13:16	27.83	68.6	5.17	6.2	SR4	8/1/2019 19:16	26.28	69.4	4.78	6.0
SR4	8/1/2019 1:21	27.65	70.9	5.39	6.1	SR4	8/1/2019 7:21	27.85	72.0	5.43	7.3	SR4	8/1/2019 13:21	27.83	69.7	5.25	7.1	SR4	8/1/2019 19:21	26.29	70.2	4.84	5.9
SR4	8/1/2019 1:26	27.66	70.2	5.34	7.3	SR4	8/1/2019 7:26	27.82	72.1	5.45	7.5	SR4	8/1/2019 13:26	27.83	70.9	5.35	5.7	SR4	8/1/2019 19:26	26.29	68.7	4.73	6.1
SR4	8/1/2019 1:31	27.60	69.7	5.30	5.8	SR4	8/1/2019 7:31	27.72	67.8	5.13	7.7	SR4	8/1/2019 13:31	27.83	70.2	5.29	7.3	SR4	8/1/2019 19:31	26.29	65.9	4.54	5.5
SR4	8/1/2019 1:36	27.61	69.5	5.29	7.3	SR4	8/1/2019 7:36	27.72	67.4	5.10	6.8	SR4	8/1/2019 13:36	27.83	68.7	5.18	5.9	SR4	8/1/2019 19:36	26.24	66.3	4.56	5.4
SR4	8/1/2019 1:41	27.62	69.5	5.29	7.0	SR4	8/1/2019 7:41	27.78	68.5	5.17	7.5	SR4	8/1/2019 13:41	27.82	69.0	5.21	7.3	SR4	8/1/2019 19:41	26.28	68.1	4.70	9.9
SR4	8/1/2019 1:46	27.68	69.6	5.28	7.6	SR4	8/1/2019 7:46	27.74	66.7	5.05	7.3	SR4	8/1/2019 13:46	27.81	70.9	5.35	7.7	SR4	8/1/2019 19:46	26.28	68.6	4.73	9.5
SR4	8/1/2019 1:51	27.70	71.4	5.42	6.8	SR4	8/1/2019 7:51	27.77	68.0	5.15	6.2	SR4	8/1/2019 13:51	27.78	71.3	5.39	6.3	SR4	8/1/2019 19:51	26.26	64.3	4.43	9.3
SR4	8/1/2019 1:56	27.66	70.6	5.37	7.3	SR4	8/1/2019 7:56	27.74	66.2	5.02	7.5	SR4	8/1/2019 13:56	27.78	71.3	5.38	6.6	SR4	8/1/2019 19:56	26.22	63.5	4.37	5.6
SR4	8/1/2019 2:01	27.70	70.0	5.32	8.0	SR4	8/1/2019 8:01	27.72	66.9	5.07	7.8	SR4	8/1/2019 14:01	27.78	67.5	5.09	6.6	SR4	8/1/2019 20:01	26.23	65.3	4.49	5.6
SR4	8/1/2019 2:06	27.70	73.2	5.56	6.1	SR4	8/1/2019 8:06	27.75	68.3	5.17	7.6	SR4	8/1/2019 14:06	27.76	66.5	5.17	7.5	SR4	8/1/2019 20:06	26.25	62.8	4.33	9.3
SR4	8/1/2019 2:11	27.67	71.0	5.40	6.6	SR4	8/1/2019 8:11	27.77	70.3	5.32	6.2	SR4	8/1/2019 14:11	27.79	71.3	5.38	5.7	SR4	8/1/2019 20:11	26.25	62.1	4.28	9.8
SR4	8/1/2019 2:16	27.67	71.9	5.46	6.4	SR4	8/1/2019 8:16	27.75	69.0	5.23	6.9	SR4	8/1/2019 14:16	27.76	67.6	5.10	6.2	SR4	8/1/2019 20:16	26.25	60.4	4.17	9.0
SR4	8/1/2019 2:21	27.69	71.3	5.41	7.0	SR4	8/1/2019 8:21	27.75	69.0	5.23	6.9	SR4	8/1/2019 14:21	27.72	65.6	4.95	6.1	SR4	8/1/2019 20:21	26.20	59.4	4.08	5.9
SR4	8/1/2019 2:26	27.68	72.2	5.48	6.9	SR4	8/1/2019 8:26	27.71	69.6	5.27	7.4	SR4	8/1/2019 14:26	27.71	67.8	5.12	6.2	SR4	8/1/2019 20:26	26.24	58.2	4.01	9.9
SR4	8/1/2019 2:31	27.68	74.0	5.62	6.7	SR4	8/1/2019 8:31	27.77	70.9	5.37	6.6	SR4	8/1/2019 14:31	27.71	64.4	4.87	6.4	SR4	8/1/2019 20:31	26.20	62.5	4.30	5.8
SR4	8/1/2019 2:36	27.68	75.2	5.71	7.5	SR4	8/1/2019 8:36	27.75	68.2	5.16	6.1	SR4	8/1/2019 14:36	27.70	65.5	4.95	6.4	SR4	8/1/2019 20:36	26.22	59.9	4.12	9.8
SR4	8/1/2019 2:41	27.68	74.0	5.61	7.3	SR4	8/1/2019 8:41	27.69	65.0	4.93	6.2	SR4	8/1/2019 14:41	27.68	66.8	5.05	5.9	SR4	8/1/2019 20:41	26.19	59.6	4.09	5.4
SR4	8/1/2019 2:46	27.68	75.6	5.73	7.1	SR4	8/1/2019 8:46	27.69	65.0	4.92	7.6	SR4	8/1/2019 14:46	27.67	64.5	4.88	6.4	SR4	8/1/2019 20:46	26.17	60.7	4.17	5.7
SR4	8/1/2019 2:51	27.68	73.3	5.56	6.8	SR4	8/1/2019 8:51	27.72	67.2	5.09	7.0	SR4	8/1/2019 14:51	26.09	84.0	6.78	6.8	SR4	8/1/2019 20:51	26.17	59.8	4.10	6.0
SR4	8/1/2019 2:56	27.69	73.0	5.54	6.8	SR4	8/1/2019 8:56	27.76	67.2	5.08	8.0	SR4	8/1/2019 14:56	26.06	93.7	7.57	6.7	SR4	8/1/2019 20:56	26.19	59.5	4.09	5.1
SR4	8/1/2019 3:01	27.68	72.8	5.52	6.5	SR4	8/1/2019 9:01	27.75	68.8	5.21	6.6	SR4	8/1/2019 15:01	25.99	96.4	7.78	8.6	SR4	8/1/2019 21:01	26.22	56.8	3.91	9.7
SR4	8/1/2019 3:06	27.69	73.5	5.57	6.6	SR4	8/1/2019 9:06	27.66	65.9	4.99	6.9	SR4	8/1/2019 15:06	26.02	96.6	7.81	5.8	SR4	8/1/2019 21:06	26.19	59.9	4.11	5.1
SR4	8/1/2019 3:11	27.68	75.7	5.75	6.6	SR4	8/1/2019 9:11	27.78	70.6	5.34	6.8	SR4	8/1/2019 15:11	25.86	96.6	7.82	5.7	SR4	8/1/2019 21:11	26.23	61.2	4.23	9.8
SR4	8/1/2019 3:16	27.65	72.3	5.48	7.1	SR4	8/1/2019 9:16	27.76	69.1	5.23	7.4	SR4	8/1/2019 15:16	25.79	95.4	7.75	6.5	SR4	8/1/2019 21:16	26.21	58.8	4.05	9.8
SR4	8/1/2019 3:21	27.67	71.3	5.40	7.9	SR4	8/1/2019 9:21	27.83	71.7	5.42	7.7	SR4	8/1/2019 15:21	25.52	96.9	7.91	9.5	SR4	8/1/2019 21:21	26.22	59.7	4.11	9.6
SR4	8/1/2019 3:26	27.68	75.8	5.74	6.2	SR4	8/1/2019 9:26	27.77	70.7	5.35	6.2	SR4	8/1/2019 15:26	25.53	96.8	7.90	9.1	SR4	8/1/2019 21:26	26.24	63.2	4.36	5.1
SR4	8/1/2019 3:31	27.68	77.1	5.84	7.6	SR4	8/1/2019 9:31	27.75	70.9	5.36	6.8	SR4	8/1/2019 15:31	25.54	97.0	7.91	9.0	SR4	8/1/2019 21:31	26.23	59.5	4.10	5.1
SR4	8/1/2019 3:36	27.68	77.9	5.90	7.8	SR4	8/1/2019 9:36	27.81	73.9	5.59	7.5	SR4	8/1/2019 15:36	25.54	97.5	7.95	9.2	SR4	8/1/2019 21:36	26.23	64.7	4.48	12.0
SR4	8/1/2019 3:41	27.69	78.7	5.97	7.3	SR4	8/1/2019 9:41	27.85	73.7	5.57	7.0	SR4	8/1/2019 15:41	25.45	97.1	7.93	9.0	SR4	8/1/2019 21:41	26.23	69.7	4.86	5.8
SR4	8/1/2019 3:46	27.70	80.0	6.06	6.7	SR4	8/1/2019 9:46	27.85	75.6	5.72	6.7	SR4	8/1/2019 15:46	25.47	97.0	7.93	8.9	SR4	8/1/2019 21:46	26.26	71.9	5.01	5.7
SR4	8/1/2019 3:51	27.70	78.8	5.97	6.2	SR4	8/1/2019 9:51	27.86	73.7	5.57	7.6	SR4	8/1/2019 15:51	25.57	97.0	7.91	8.9	SR4	8/1/2019 21:51	26.25	70.9	4.94	5.8
SR4	8/1/2019 3:56	27.70	79.0	5.99	6.3	SR4	8/1/2019 9:56	27.87	75.1	5.68	6.6	SR4	8/1/2019 15:56	25.55	97.0	7.91	8.8	SR4	8/1/2019 21:56	26.27	69.1	4.79	5.7
SR4	8/1/2019 4:01	2																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/1/2019 0:00	26.23	67.6	5.24	6.2	SR5	8/1/2019 6:00	26.19	68.1	5.33	6.7	SR5	8/1/2019 12:00	26.02	69.4	5.44	5.0	SR5	8/1/2019 18:00	26.52	78.7	5.51	6.3
SR5	8/1/2019 0:05	26.23	67.6	5.24	6.5	SR5	8/1/2019 6:05	26.19	68.0	5.32	5.0	SR5	8/1/2019 12:05	26.02	69.4	5.44	5.7	SR5	8/1/2019 18:05	26.52	78.0	5.46	6.9
SR5	8/1/2019 0:10	26.23	67.8	5.27	8.0	SR5	8/1/2019 6:10	26.19	69.6	5.45	7.4	SR5	8/1/2019 12:10	26.03	69.9	5.46	6.1	SR5	8/1/2019 18:10	26.53	78.9	5.52	5.0
SR5	8/1/2019 0:15	26.22	66.8	5.19	8.0	SR5	8/1/2019 6:15	26.19	69.9	5.51	6.3	SR5	8/1/2019 12:15	26.03	68.7	5.36	5.9	SR5	8/1/2019 18:15	26.52	79.3	5.55	6.3
SR5	8/1/2019 0:20	26.22	66.6	5.18	5.7	SR5	8/1/2019 6:20	26.18	69.8	5.50	5.5	SR5	8/1/2019 12:20	26.04	70.0	5.48	5.5	SR5	8/1/2019 18:20	26.52	79.4	5.56	5.8
SR5	8/1/2019 0:25	26.22	67.1	5.20	6.4	SR5	8/1/2019 6:25	26.18	71.7	5.68	6.6	SR5	8/1/2019 12:25	26.03	68.7	5.35	6.2	SR5	8/1/2019 18:25	26.52	79.5	5.56	6.3
SR5	8/1/2019 0:30	26.18	69.9	5.50	6.3	SR5	8/1/2019 6:30	26.18	70.6	5.56	6.8	SR5	8/1/2019 12:30	26.03	69.8	5.46	5.7	SR5	8/1/2019 18:30	26.54	79.8	5.59	4.9
SR5	8/1/2019 0:35	26.13	69.7	5.50	7.7	SR5	8/1/2019 6:35	26.17	69.4	5.45	6.4	SR5	8/1/2019 12:35	26.03	67.3	5.24	6.6	SR5	8/1/2019 18:35	26.53	80.5	5.64	7.1
SR5	8/1/2019 0:40	26.12	68.4	5.32	5.9	SR5	8/1/2019 6:40	26.16	70.6	5.55	4.6	SR5	8/1/2019 12:40	26.08	69.1	5.40	6.6	SR5	8/1/2019 18:40	26.53	81.6	5.71	4.6
SR5	8/1/2019 0:45	26.11	67.2	5.23	6.7	SR5	8/1/2019 6:45	26.11	69.4	5.43	6.7	SR5	8/1/2019 12:45	26.11	67.1	5.22	7.1	SR5	8/1/2019 18:45	26.53	81.4	5.70	5.9
SR5	8/1/2019 0:50	26.12	67.5	5.26	5.2	SR5	8/1/2019 6:50	26.11	69.1	5.41	6.8	SR5	8/1/2019 12:50	26.14	68.9	5.38	5.8	SR5	8/1/2019 18:50	26.53	81.1	5.68	6.7
SR5	8/1/2019 0:55	26.11	68.3	5.33	6.5	SR5	8/1/2019 6:55	26.12	71.1	5.61	7.7	SR5	8/1/2019 12:55	26.17	68.6	5.35	7.3	SR5	8/1/2019 18:55	26.54	79.8	5.59	5.6
SR5	8/1/2019 1:00	26.11	68.8	5.37	6.0	SR5	8/1/2019 7:00	26.16	70.5	5.56	7.8	SR5	8/1/2019 13:00	26.24	67.9	5.28	5.9	SR5	8/1/2019 19:00	26.54	78.9	5.52	6.0
SR5	8/1/2019 1:05	26.12	68.5	5.35	6.6	SR5	8/1/2019 7:05	26.12	70.9	5.58	7.3	SR5	8/1/2019 13:05	26.20	69.5	5.43	6.3	SR5	8/1/2019 19:05	26.54	79.1	5.54	6.8
SR5	8/1/2019 1:10	26.12	68.3	5.33	6.9	SR5	8/1/2019 7:10	26.10	71.6	5.65	7.4	SR5	8/1/2019 13:10	26.21	68.6	5.37	4.8	SR5	8/1/2019 19:10	26.53	79.1	5.54	5.6
SR5	8/1/2019 1:15	26.15	68.9	5.39	6.6	SR5	8/1/2019 7:15	26.08	70.3	5.52	5.6	SR5	8/1/2019 13:15	26.25	67.2	5.23	6.6	SR5	8/1/2019 19:15	26.53	79.0	5.54	5.3
SR5	8/1/2019 1:20	26.14	69.0	5.41	7.3	SR5	8/1/2019 7:20	26.07	69.2	5.42	7.5	SR5	8/1/2019 13:20	26.26	68.1	5.30	5.7	SR5	8/1/2019 19:20	26.53	78.0	5.46	4.8
SR5	8/1/2019 1:25	26.15	68.3	5.36	7.9	SR5	8/1/2019 7:25	26.06	69.7	5.46	5.8	SR5	8/1/2019 13:25	26.26	69.1	5.39	4.6	SR5	8/1/2019 19:25	26.53	77.5	5.43	6.6
SR5	8/1/2019 1:30	26.14	69.1	5.39	5.1	SR5	8/1/2019 7:30	26.06	66.9	5.21	7.5	SR5	8/1/2019 13:30	26.27	75.6	5.26	7.6	SR5	8/1/2019 19:30	26.50	76.5	5.35	5.9
SR5	8/1/2019 1:35	26.14	68.4	5.35	6.0	SR5	8/1/2019 7:35	26.06	67.1	5.21	6.9	SR5	8/1/2019 13:35	26.30	76.1	5.30	7.0	SR5	8/1/2019 19:35	26.51	76.6	5.36	4.3
SR5	8/1/2019 1:40	26.14	68.7	5.37	7.7	SR5	8/1/2019 7:40	26.02	67.9	5.28	6.1	SR5	8/1/2019 13:40	26.33	78.0	5.44	7.8	SR5	8/1/2019 19:40	26.46	69.4	5.69	6.4
SR5	8/1/2019 1:45	26.15	68.3	5.34	7.7	SR5	8/1/2019 7:45	25.99	66.5	5.17	7.0	SR5	8/1/2019 13:45	26.33	77.2	5.38	6.7	SR5	8/1/2019 19:45	26.42	69.5	5.67	7.8
SR5	8/1/2019 1:50	26.15	69.6	5.45	7.4	SR5	8/1/2019 7:50	25.98	67.1	5.23	6.2	SR5	8/1/2019 13:50	26.33	77.7	5.42	6.1	SR5	8/1/2019 19:50	26.49	69.5	5.69	5.6
SR5	8/1/2019 1:55	26.16	69.2	5.42	6.9	SR5	8/1/2019 7:55	25.98	66.2	5.15	5.7	SR5	8/1/2019 13:55	26.39	77.4	5.40	6.9	SR5	8/1/2019 19:55	26.43	69.4	5.69	6.2
SR5	8/1/2019 2:00	26.19	69.3	5.41	6.0	SR5	8/1/2019 8:00	25.96	67.1	5.21	7.8	SR5	8/1/2019 14:00	26.39	78.0	5.44	7.4	SR5	8/1/2019 20:00	26.43	69.1	5.65	3.6
SR5	8/1/2019 2:05	26.18	69.9	5.51	6.3	SR5	8/1/2019 8:05	25.94	67.4	5.25	7.0	SR5	8/1/2019 14:05	26.36	76.0	5.30	7.2	SR5	8/1/2019 20:05	26.43	69.8	5.71	7.8
SR5	8/1/2019 2:10	26.19	69.5	5.45	6.0	SR5	8/1/2019 8:10	25.94	68.8	5.37	6.0	SR5	8/1/2019 14:10	26.34	76.7	5.35	5.2	SR5	8/1/2019 20:10	26.41	69.5	5.67	5.9
SR5	8/1/2019 2:15	26.18	69.2	5.44	6.0	SR5	8/1/2019 8:15	25.95	67.9	5.30	5.6	SR5	8/1/2019 14:15	26.40	77.9	5.44	4.5	SR5	8/1/2019 20:15	26.41	69.3	5.67	4.8
SR5	8/1/2019 2:20	26.17	69.5	5.44	6.8	SR5	8/1/2019 8:20	25.94	68.2	5.31	6.0	SR5	8/1/2019 14:20	26.39	77.2	5.39	5.3	SR5	8/1/2019 20:20	26.38	69.8	5.71	6.3
SR5	8/1/2019 2:25	26.19	69.7	5.47	7.8	SR5	8/1/2019 8:25	25.94	68.4	5.34	6.4	SR5	8/1/2019 14:25	26.41	78.3	5.47	4.8	SR5	8/1/2019 20:25	26.40	69.5	5.70	4.8
SR5	8/1/2019 2:30	26.18	71.0	5.59	7.7	SR5	8/1/2019 8:30	25.94	68.8	5.39	7.2	SR5	8/1/2019 14:30	26.43	78.7	5.49	6.1	SR5	8/1/2019 20:30	26.38	69.5	5.70	7.4
SR5	8/1/2019 2:35	26.19	71.6	5.65	8.1	SR5	8/1/2019 8:35	25.98	67.5	5.25	5.4	SR5	8/1/2019 14:35	26.45	78.7	5.50	5.9	SR5	8/1/2019 20:35	26.38	69.3	5.68	4.5
SR5	8/1/2019 2:40	26.18	70.6	5.56	7.8	SR5	8/1/2019 8:40	25.98	65.4	5.08	6.0	SR5	8/1/2019 14:40	26.48	78.5	5.48	4.4	SR5	8/1/2019 20:40	26.35	69.4	5.69	4.4
SR5	8/1/2019 2:45	26.19	71.7	5.65	7.1	SR5	8/1/2019 8:45	26.04	65.6	5.08	7.8	SR5	8/1/2019 14:45	26.46	77.0	5.37	4.7	SR5	8/1/2019 20:45	26.33	69.4	5.70	7.0
SR5	8/1/2019 2:50	26.19	70.1	5.52	7.6	SR5	8/1/2019 8:50	26.11	67.0	5.21	7.2	SR5	8/1/2019 14:50	26.46	76.8	5.36	4.8	SR5	8/1/2019 20:50	26.31	68.9	5.63	6.3
SR5	8/1/2019 2:55	26.19	70.3	5.52	5.3	SR5	8/1/2019 8:55	26.12	66.5	5.17	7.0	SR5	8/1/2019 14:55	26.47	76.6	5.34	7.0	SR5	8/1/2019 20:55	26.30	69.4	5.70	3.4
SR5	8/1/2019 3:00	26.19	70.5	5.53	6.0	SR5	8/1/2019 9:00	26.13	67.4	5.26	4.9	SR5	8/1/2019 15:00	26.50	76.8	5.36	7.3	SR5	8/1/2019 21:00	26.29	69.5	5.69	4.3
SR5	8/1/2019 3:05	26.19	70.5	5.54	7.6	SR5	8/1/2019 9:05	26.11	66.3	5.14	5.0	SR5	8/1/2019 15:05	26.51	76.4	5.33	5.3	SR5	8/1/2019 21:05	26.29	69.5	5.69	6.5
SR5	8/1/2019 3:10	26.17	71.2	5.63	7.4	SR5	8/1/2019 9:10	26.09	68.2	5.34	6.1	SR5	8/1/2019 15:10	26.51	75.9	5.29	6.5	SR5	8/1/2019 21:10	26.29	68.7	5.63	7.4
SR5	8/1/2019 3:15	26.22	70.2	5.50	8.0	SR5	8/1/2019 9:15	26.08	67.6	5.28	7.4	SR5	8/1/2019 15:15	26.52	77.7	5.42	7.2	SR5	8/1/2019 21:15	26.28	69.4	5.70	6.6
SR5	8/1/2019 3:20	26.23	69.1	5.41	6.8	SR5	8/1/2019 9:20	26.08	69.1	5.41	6.7	SR5	8/1/2019 15:20	26.52	76.5	5.34	8.4	SR5	8/1/2019 21:20	26.28	69.6	5.69	7.3
SR5	8/1/2019 3:25	26.23	71.9	5.66	5.2	SR5	8/1/2019 9:25	26.06	69.0	5.39	6.3	SR5	8/1/2019 15:25	26.51	76.3	5.32	8.1	SR5	8/1/2019 21:25	26.27	69.0	5.65	6.2
SR5	8/1/2019 3:30	26.23	71.8	5.69	6.4	SR5	8/1/2019 9:30	26.05	68.9	5.38	6.0	SR5	8/1/2019 15:30	26.51	76.2	5.31	7.6	SR5	8/1/2019 21:30	26.25	69.3	5.66	6.0
SR5	8/1/2019 3:35	26.23	72.2	5.73	6.3	SR5	8/1/2019 9:35	26.08	69.9	5.51	5.3	SR5	8/1/2019 15:35	26.49	76.5	5.34	6.4	SR5	8/1/2019 21:35	26.26	69.2	5.67	7.2
SR5	8/1/2019 3:40	26.23	72.8	5.78	7.1	SR5	8/1/2019 9:40	26.07	69.9	5.50	5.2	SR5	8/1/2019 15:40	26.48	76.3	5.32	7.5	SR5	8/1/2019 21:40	26.26	68.7	5.63	5.3
SR5	8/1/2019 3:45	26.23	73.4	5.84	7.0	SR5	8/1/2019 9:45	26.07	71.3	5.63	7.1	SR5	8/1/2019 15:45	26.47	78.8	5.51	7.1	SR5	8/1/2019 21:45	26.26	69.2	5.66	6.8
SR5	8/1/2019 3:50	26.22	72.9	5.79	6.9	SR5	8/1/2019 9:50	26.06	69.8	5.49	5.3	SR5	8/1/2019 15:50	26.47	77.9	5.45	7.2	SR5	8/1/2019 21:50	26.26	69.5	5.70	6.9
SR5	8/1/2019 3:55	26.21	72.6	5.78	6.0	SR5	8/1/2019 9:55	26.05	70.5	5.56	4.9	SR5	8/1/2019 15:55	26.47	77.3	5.40	7.1	SR5	8/1/2019 21:55	26.26	69.8	5.70	5.7
SR5	8/1/2019 4:00	26																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/1/2019 0:01	26.39	66.4	4.98	6.3	SR12	8/1/2019 6:01	26.26	67.4	5.06	6.3	SR12	8/1/2019 12:01	26.12	66.9	5.02	5.5	SR12	8/1/2019 18:01	26.27	65.3	4.89	5.7
SR12	8/1/2019 0:06	26.38	64.1	4.80	6.4	SR12	8/1/2019 6:06	26.28	65.8	4.92	6.3	SR12	8/1/2019 12:06	26.13	64.9	4.86	5.7	SR12	8/1/2019 18:06	26.27	68.4	5.12	6.0
SR12	8/1/2019 0:11	26.37	64.9	4.87	6.5	SR12	8/1/2019 6:11	26.28	67.7	5.08	6.1	SR12	8/1/2019 12:11	26.12	68.7	5.14	5.7	SR12	8/1/2019 18:11	26.27	63.7	4.77	6.0
SR12	8/1/2019 0:16	26.38	63.9	4.80	6.3	SR12	8/1/2019 6:16	26.29	67.6	5.08	6.2	SR12	8/1/2019 12:16	26.12	62.7	4.69	5.8	SR12	8/1/2019 18:16	26.27	65.5	4.90	5.8
SR12	8/1/2019 0:21	26.37	65.0	4.88	6.6	SR12	8/1/2019 6:21	26.27	65.0	4.88	6.0	SR12	8/1/2019 12:21	26.12	68.3	5.11	5.6	SR12	8/1/2019 18:21	26.27	61.5	4.60	6.6
SR12	8/1/2019 0:26	26.39	64.2	4.82	6.4	SR12	8/1/2019 6:26	26.28	66.8	5.02	7.0	SR12	8/1/2019 12:26	26.12	62.5	4.88	5.6	SR12	8/1/2019 18:26	26.27	69.2	5.18	6.5
SR12	8/1/2019 0:31	26.40	64.4	4.84	6.5	SR12	8/1/2019 6:31	26.28	65.9	4.95	6.6	SR12	8/1/2019 12:31	26.12	68.0	5.09	6.1	SR12	8/1/2019 18:31	26.26	65.5	4.90	6.4
SR12	8/1/2019 0:36	26.39	65.8	4.94	6.7	SR12	8/1/2019 6:36	26.29	64.7	4.85	6.6	SR12	8/1/2019 12:36	26.12	61.7	4.62	5.8	SR12	8/1/2019 18:36	26.24	62.7	4.69	6.0
SR12	8/1/2019 0:41	26.39	64.6	4.85	6.5	SR12	8/1/2019 6:41	26.26	67.3	5.06	6.2	SR12	8/1/2019 12:41	26.11	67.5	5.05	6.2	SR12	8/1/2019 18:41	26.24	64.8	4.85	6.0
SR12	8/1/2019 0:46	26.39	66.1	4.97	6.8	SR12	8/1/2019 6:46	26.25	65.1	4.88	6.3	SR12	8/1/2019 12:46	26.11	62.4	4.67	5.6	SR12	8/1/2019 18:46	26.26	62.8	4.70	5.9
SR12	8/1/2019 0:51	26.39	63.1	4.73	6.4	SR12	8/1/2019 6:51	26.24	65.2	4.89	6.7	SR12	8/1/2019 12:51	26.11	68.0	5.09	6.5	SR12	8/1/2019 18:51	26.25	66.1	4.95	6.3
SR12	8/1/2019 0:56	26.41	64.5	4.85	6.5	SR12	8/1/2019 6:56	26.23	67.0	5.04	6.9	SR12	8/1/2019 12:56	26.12	67.1	5.02	6.5	SR12	8/1/2019 18:56	26.23	68.4	5.12	6.2
SR12	8/1/2019 1:01	26.39	66.0	4.97	6.6	SR12	8/1/2019 7:01	26.24	65.7	4.92	6.4	SR12	8/1/2019 13:01	26.12	65.5	4.90	6.2	SR12	8/1/2019 19:01	26.22	62.1	4.65	6.2
SR12	8/1/2019 1:06	26.38	65.6	4.93	6.3	SR12	8/1/2019 7:06	26.22	67.0	5.02	6.7	SR12	8/1/2019 13:06	26.12	69.5	5.20	6.3	SR12	8/1/2019 19:06	26.21	64.7	4.84	5.7
SR12	8/1/2019 1:11	26.39	65.7	4.92	6.8	SR12	8/1/2019 7:11	26.23	68.6	5.15	6.2	SR12	8/1/2019 13:11	26.12	67.5	5.05	6.0	SR12	8/1/2019 19:11	26.21	63.2	4.73	6.2
SR12	8/1/2019 1:16	26.32	66.9	5.02	7.0	SR12	8/1/2019 7:16	26.23	65.8	4.93	6.5	SR12	8/1/2019 13:16	26.12	63.9	4.78	5.9	SR12	8/1/2019 19:16	26.21	65.5	4.90	6.0
SR12	8/1/2019 1:21	26.36	66.8	5.02	6.7	SR12	8/1/2019 7:21	26.21	66.5	4.98	6.4	SR12	8/1/2019 13:21	26.12	64.7	4.84	6.2	SR12	8/1/2019 19:21	26.21	66.5	4.98	6.3
SR12	8/1/2019 1:26	26.37	64.8	4.87	5.9	SR12	8/1/2019 7:26	26.21	66.7	5.01	6.7	SR12	8/1/2019 13:26	26.12	66.3	4.96	6.0	SR12	8/1/2019 19:26	26.20	69.2	5.18	5.7
SR12	8/1/2019 1:31	26.37	63.7	4.78	5.8	SR12	8/1/2019 7:31	26.21	67.0	5.04	6.5	SR12	8/1/2019 13:31	26.12	65.2	4.88	6.4	SR12	8/1/2019 19:31	26.19	66.7	4.99	5.7
SR12	8/1/2019 1:36	26.38	63.9	4.81	6.5	SR12	8/1/2019 7:36	26.21	67.2	5.05	7.0	SR12	8/1/2019 13:36	26.12	62.1	4.65	5.8	SR12	8/1/2019 19:36	26.18	67.5	5.05	5.7
SR12	8/1/2019 1:41	26.37	63.5	4.78	6.6	SR12	8/1/2019 7:41	26.20	64.7	4.85	6.6	SR12	8/1/2019 13:41	26.12	63.3	4.74	5.9	SR12	8/1/2019 19:41	26.19	68.3	5.11	5.6
SR12	8/1/2019 1:46	26.37	62.6	4.70	6.9	SR12	8/1/2019 7:46	26.21	65.4	4.91	6.1	SR12	8/1/2019 13:46	26.13	67.3	5.04	6.2	SR12	8/1/2019 19:46	26.19	64.0	4.79	6.0
SR12	8/1/2019 1:51	26.38	64.3	4.84	6.5	SR12	8/1/2019 7:51	26.21	66.5	5.00	6.7	SR12	8/1/2019 13:51	26.12	67.2	5.03	5.9	SR12	8/1/2019 19:51	26.19	62.9	4.71	6.6
SR12	8/1/2019 1:56	26.37	63.8	4.80	6.9	SR12	8/1/2019 7:56	26.21	65.0	4.89	6.9	SR12	8/1/2019 13:56	26.12	69.1	5.17	6.1	SR12	8/1/2019 19:56	26.18	64.4	4.82	6.1
SR12	8/1/2019 2:01	26.37	63.5	4.78	7.0	SR12	8/1/2019 8:01	26.20	64.6	4.86	6.7	SR12	8/1/2019 14:01	26.12	62.7	4.69	6.0	SR12	8/1/2019 20:01	26.18	63.9	4.78	5.2
SR12	8/1/2019 2:06	26.37	61.3	4.61	6.2	SR12	8/1/2019 8:06	26.20	64.6	4.86	6.4	SR12	8/1/2019 14:06	26.12	62.3	4.66	6.2	SR12	8/1/2019 20:06	26.15	65.9	4.93	6.0
SR12	8/1/2019 2:11	26.35	63.1	4.75	6.9	SR12	8/1/2019 8:11	26.20	64.0	4.81	6.8	SR12	8/1/2019 14:11	26.13	64.5	4.83	5.8	SR12	8/1/2019 20:11	26.17	67.3	5.04	5.8
SR12	8/1/2019 2:16	26.33	65.0	4.89	6.2	SR12	8/1/2019 8:16	26.20	65.5	4.94	6.5	SR12	8/1/2019 14:16	26.12	63.1	4.72	6.1	SR12	8/1/2019 20:16	26.17	62.3	4.66	6.3
SR12	8/1/2019 2:21	26.32	63.8	4.79	6.7	SR12	8/1/2019 8:21	26.20	64.7	4.87	6.8	SR12	8/1/2019 14:21	26.12	63.9	4.78	5.9	SR12	8/1/2019 20:21	26.17	62.8	4.70	6.2
SR12	8/1/2019 2:26	26.32	64.7	4.86	6.8	SR12	8/1/2019 8:26	26.17	65.9	4.95	7.5	SR12	8/1/2019 14:26	26.11	66.5	4.98	6.1	SR12	8/1/2019 20:26	26.14	69.3	5.19	6.1
SR12	8/1/2019 2:31	26.32	65.6	4.94	6.0	SR12	8/1/2019 8:31	26.17	65.9	4.95	6.9	SR12	8/1/2019 14:31	26.11	61.6	4.61	5.9	SR12	8/1/2019 20:31	26.14	61.9	4.63	5.7
SR12	8/1/2019 2:36	26.30	65.3	4.91	6.5	SR12	8/1/2019 8:36	26.17	64.3	4.83	6.5	SR12	8/1/2019 14:36	26.12	64.4	4.82	5.8	SR12	8/1/2019 20:36	26.14	68.0	5.09	6.1
SR12	8/1/2019 2:41	26.30	64.4	4.83	6.2	SR12	8/1/2019 8:41	26.15	62.7	4.72	6.7	SR12	8/1/2019 14:41	26.12	68.5	5.13	6.0	SR12	8/1/2019 20:41	26.15	67.3	5.04	6.3
SR12	8/1/2019 2:46	26.31	66.5	4.98	5.8	SR12	8/1/2019 8:46	26.15	63.7	4.79	7.1	SR12	8/1/2019 14:46	26.10	61.7	4.62	5.7	SR12	8/1/2019 20:46	26.14	62.9	4.71	6.4
SR12	8/1/2019 2:51	26.30	65.5	4.91	6.0	SR12	8/1/2019 8:51	26.15	64.7	4.86	7.1	SR12	8/1/2019 14:51	26.09	64.7	4.84	6.0	SR12	8/1/2019 20:51	26.14	63.5	4.75	5.7
SR12	8/1/2019 2:56	26.32	67.5	5.06	7.1	SR12	8/1/2019 8:56	26.14	63.0	4.73	7.2	SR12	8/1/2019 14:56	26.09	61.6	4.61	6.0	SR12	8/1/2019 20:56	26.14	61.7	4.62	6.3
SR12	8/1/2019 3:01	26.31	67.5	5.06	6.2	SR12	8/1/2019 9:01	26.14	65.8	4.95	6.7	SR12	8/1/2019 15:01	26.09	62.8	4.70	5.6	SR12	8/1/2019 21:01	26.16	64.7	4.84	6.2
SR12	8/1/2019 3:06	26.32	68.2	5.11	6.0	SR12	8/1/2019 9:06	26.13	65.8	4.95	6.9	SR12	8/1/2019 15:06	26.09	62.4	4.67	6.7	SR12	8/1/2019 21:06	26.17	68.7	5.14	6.4
SR12	8/1/2019 3:11	26.31	68.4	5.14	6.9	SR12	8/1/2019 9:11	26.14	65.3	4.91	6.9	SR12	8/1/2019 15:11	26.09	68.9	5.16	6.6	SR12	8/1/2019 21:11	26.18	68.4	5.12	5.8
SR12	8/1/2019 3:16	26.31	65.9	4.93	6.7	SR12	8/1/2019 9:16	26.12	65.3	4.91	6.1	SR12	8/1/2019 15:16	26.09	63.7	4.77	5.8	SR12	8/1/2019 21:16	26.19	66.3	4.96	5.8
SR12	8/1/2019 3:21	26.31	68.1	5.10	6.9	SR12	8/1/2019 9:21	26.12	63.3	4.75	6.6	SR12	8/1/2019 15:21	26.09	69.2	5.18	6.3	SR12	8/1/2019 21:21	26.19	62.3	4.66	5.8
SR12	8/1/2019 3:26	26.32	68.0	5.08	6.3	SR12	8/1/2019 9:26	26.12	65.1	4.90	6.6	SR12	8/1/2019 15:26	26.09	67.3	5.04	5.8	SR12	8/1/2019 21:26	26.18	69.5	5.20	5.8
SR12	8/1/2019 3:31	26.31	69.1	5.16	7.2	SR12	8/1/2019 9:31	26.12	64.8	4.87	6.6	SR12	8/1/2019 15:31	26.10	65.9	4.93	5.9	SR12	8/1/2019 21:31	26.17	64.7	4.84	6.2
SR12	8/1/2019 3:36	26.31	70.2	5.25	7.3	SR12	8/1/2019 9:36	26.12	64.8	4.88	6.1	SR12	8/1/2019 15:36	26.10	66.4	4.97	6.0	SR12	8/1/2019 21:36	26.17	65.5	4.90	6.0
SR12	8/1/2019 3:41	26.33	69.6	5.21	6.6	SR12	8/1/2019 9:41	26.11	63.0	4.74	5.6	SR12	8/1/2019 15:41	26.11	65.1	4.87	5.9	SR12	8/1/2019 21:41	26.17	62.4	4.67	5.1
SR12	8/1/2019 3:46	26.30	67.6	5.05	6.7	SR12	8/1/2019 9:46	26.11	63.8	4.80	6.4	SR12	8/1/2019 15:46	26.13	65.1	4.87	6.4	SR12	8/1/2019 21:46	26.17	67.2	5.03	5.2
SR12	8/1/2019 3:51	26.31	67.5	5.04	6.6	SR12	8/1/2019 9:51	26.10	62.9	4.73	6.4	SR12	8/1/2019 15:51	26.13	62.1	4.65	6.0	SR12	8/1/2019 21:51	26.17	65.3	4.89	5.7
SR12	8/1/2019 3:56	26.28	68.8	5.16	7.2	SR12	8/1/2019 9:56	26															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/1/2019 0:00	27.19	71.7	5.51	6.3	SR13	8/1/2019 6:00	27.16	70.8	5.49	6.4	SR13	8/1/2019 12:00	27.04	73.4	5.58	5.7	SR13	8/1/2019 18:00	27.34	80.4	5.87	6.1
SR13	8/1/2019 0:05	27.20	70.9	5.45	6.2	SR13	8/1/2019 6:05	27.15	70.9	5.50	5.9	SR13	8/1/2019 12:05	27.04	74.1	5.62	5.8	SR13	8/1/2019 18:05	27.34	81.2	5.93	6.0
SR13	8/1/2019 0:10	27.20	70.6	5.42	6.4	SR13	8/1/2019 6:10	27.15	71.6	5.56	6.6	SR13	8/1/2019 12:10	27.04	73.9	5.62	6.3	SR13	8/1/2019 18:10	27.33	80.2	5.85	5.4
SR13	8/1/2019 0:15	27.19	70.3	5.41	6.8	SR13	8/1/2019 6:15	27.15	71.8	5.59	6.5	SR13	8/1/2019 12:15	26.42	72.1	5.48	5.8	SR13	8/1/2019 18:15	27.33	81.0	5.91	5.8
SR13	8/1/2019 0:20	27.19	70.0	5.38	5.9	SR13	8/1/2019 6:20	27.14	70.8	5.50	6.2	SR13	8/1/2019 12:20	26.89	69.6	5.23	5.7	SR13	8/1/2019 18:20	27.33	81.0	5.91	5.5
SR13	8/1/2019 0:25	27.19	69.9	5.37	6.4	SR13	8/1/2019 6:25	27.14	71.7	5.60	6.4	SR13	8/1/2019 12:25	27.08	75.6	5.72	6.1	SR13	8/1/2019 18:25	27.34	79.8	5.82	6.0
SR13	8/1/2019 0:30	27.18	71.4	5.52	6.0	SR13	8/1/2019 6:30	27.14	71.8	5.58	6.7	SR13	8/1/2019 12:30	27.08	75.7	5.75	6.0	SR13	8/1/2019 18:30	27.35	79.4	5.79	5.8
SR13	8/1/2019 0:35	27.15	71.4	5.52	6.9	SR13	8/1/2019 6:35	27.14	70.8	5.51	6.6	SR13	8/1/2019 12:35	27.07	75.5	5.71	6.4	SR13	8/1/2019 18:35	27.35	80.7	5.88	6.4
SR13	8/1/2019 0:40	27.20	67.4	5.17	6.4	SR13	8/1/2019 6:40	27.14	71.1	5.54	5.7	SR13	8/1/2019 12:40	27.09	73.9	5.60	6.3	SR13	8/1/2019 18:40	27.34	80.4	5.86	5.1
SR13	8/1/2019 0:45	27.20	66.1	5.07	6.6	SR13	8/1/2019 6:45	27.12	70.7	5.50	6.4	SR13	8/1/2019 12:45	27.11	73.0	5.53	6.5	SR13	8/1/2019 18:45	27.34	81.7	5.96	5.9
SR13	8/1/2019 0:50	27.19	67.0	5.14	6.3	SR13	8/1/2019 6:50	27.12	70.4	5.47	6.6	SR13	8/1/2019 12:50	27.12	74.5	5.65	5.9	SR13	8/1/2019 18:50	27.34	82.0	5.98	6.2
SR13	8/1/2019 0:55	27.18	68.1	5.23	6.3	SR13	8/1/2019 6:55	27.12	71.7	5.59	6.6	SR13	8/1/2019 12:55	27.13	73.7	5.58	6.4	SR13	8/1/2019 18:55	27.35	79.5	5.80	5.8
SR13	8/1/2019 1:00	27.18	67.8	5.20	6.5	SR13	8/1/2019 7:00	27.14	71.2	5.56	6.8	SR13	8/1/2019 13:00	27.15	73.8	5.59	6.0	SR13	8/1/2019 19:00	27.35	79.6	5.80	5.9
SR13	8/1/2019 1:05	27.18	68.1	5.23	6.6	SR13	8/1/2019 7:05	27.11	71.9	5.60	7.0	SR13	8/1/2019 13:05	27.13	75.4	5.72	6.1	SR13	8/1/2019 19:05	27.34	82.5	6.02	6.3
SR13	8/1/2019 1:10	27.17	68.4	5.25	6.3	SR13	8/1/2019 7:10	27.10	72.1	5.61	6.8	SR13	8/1/2019 13:10	27.14	73.2	5.55	5.5	SR13	8/1/2019 19:10	27.33	79.3	5.78	5.5
SR13	8/1/2019 1:15	27.18	68.6	5.27	6.7	SR13	8/1/2019 7:15	27.09	71.0	5.53	6.1	SR13	8/1/2019 13:15	27.16	73.6	5.57	6.2	SR13	8/1/2019 19:15	27.33	81.7	5.97	5.5
SR13	8/1/2019 1:20	27.17	68.3	5.25	6.7	SR13	8/1/2019 7:20	27.07	70.1	5.46	6.9	SR13	8/1/2019 13:20	27.17	75.8	5.74	5.9	SR13	8/1/2019 19:20	27.33	80.9	5.91	5.6
SR13	8/1/2019 1:25	27.18	68.9	5.31	6.6	SR13	8/1/2019 7:25	27.07	70.6	5.50	6.5	SR13	8/1/2019 13:25	27.16	73.3	5.55	5.4	SR13	8/1/2019 19:25	27.33	79.2	5.78	6.1
SR13	8/1/2019 1:30	27.17	68.8	5.29	5.7	SR13	8/1/2019 7:30	27.07	70.0	5.44	6.9	SR13	8/1/2019 13:30	27.16	76.6	5.59	6.5	SR13	8/1/2019 19:30	27.31	78.9	5.75	5.6
SR13	8/1/2019 1:35	27.18	69.4	5.34	6.5	SR13	8/1/2019 7:35	27.06	69.5	5.39	6.7	SR13	8/1/2019 13:35	27.17	75.6	5.51	6.3	SR13	8/1/2019 19:35	27.31	78.0	5.69	5.3
SR13	8/1/2019 1:40	27.18	69.6	5.34	6.9	SR13	8/1/2019 7:40	27.05	70.9	5.50	6.3	SR13	8/1/2019 13:40	27.18	76.6	5.59	6.4	SR13	8/1/2019 19:40	27.30	76.6	5.89	6.0
SR13	8/1/2019 1:45	27.18	69.8	5.36	6.7	SR13	8/1/2019 7:45	27.03	70.4	5.46	6.7	SR13	8/1/2019 13:45	27.18	76.1	5.55	6.6	SR13	8/1/2019 19:45	27.29	78.5	6.02	6.6
SR13	8/1/2019 1:50	27.18	70.3	5.42	7.0	SR13	8/1/2019 7:50	27.03	70.5	5.48	6.5	SR13	8/1/2019 13:50	27.18	78.7	5.75	6.2	SR13	8/1/2019 19:50	27.32	78.7	6.04	5.5
SR13	8/1/2019 1:55	27.18	69.2	5.33	6.6	SR13	8/1/2019 7:55	27.02	70.1	5.45	6.1	SR13	8/1/2019 13:55	27.21	76.8	5.60	6.2	SR13	8/1/2019 19:55	27.30	77.7	5.97	5.9
SR13	8/1/2019 2:00	27.19	70.2	5.40	6.5	SR13	8/1/2019 8:00	27.01	69.7	5.41	6.9	SR13	8/1/2019 14:00	27.22	79.7	5.82	6.6	SR13	8/1/2019 20:00	27.30	76.0	5.84	4.9
SR13	8/1/2019 2:05	27.19	70.4	5.42	6.2	SR13	8/1/2019 8:05	27.00	70.5	5.48	6.6	SR13	8/1/2019 14:05	27.21	78.2	5.71	6.3	SR13	8/1/2019 20:05	27.29	78.8	6.06	6.5
SR13	8/1/2019 2:10	27.19	70.7	5.44	6.5	SR13	8/1/2019 8:10	27.00	70.9	5.52	6.3	SR13	8/1/2019 14:10	27.18	76.6	5.58	5.6	SR13	8/1/2019 20:10	27.28	76.8	5.90	5.9
SR13	8/1/2019 2:15	27.19	71.1	5.47	6.7	SR13	8/1/2019 8:15	27.01	70.6	5.49	6.0	SR13	8/1/2019 14:15	27.21	77.6	5.66	5.6	SR13	8/1/2019 20:15	27.28	77.3	5.94	5.5
SR13	8/1/2019 2:20	27.19	71.0	5.46	6.6	SR13	8/1/2019 8:20	27.00	70.0	5.45	5.9	SR13	8/1/2019 14:20	27.22	77.3	5.64	5.6	SR13	8/1/2019 20:20	27.27	76.3	5.86	5.5
SR13	8/1/2019 2:25	27.18	70.3	5.42	7.0	SR13	8/1/2019 8:25	26.99	70.4	5.47	6.2	SR13	8/1/2019 14:25	27.24	77.8	5.88	5.8	SR13	8/1/2019 20:25	27.27	77.9	5.99	5.0
SR13	8/1/2019 2:30	27.18	70.8	5.46	6.9	SR13	8/1/2019 8:30	26.99	70.2	5.47	6.7	SR13	8/1/2019 14:30	27.26	77.5	5.85	6.0	SR13	8/1/2019 20:30	27.26	76.7	5.91	6.1
SR13	8/1/2019 2:35	27.17	71.5	5.54	7.3	SR13	8/1/2019 8:35	27.00	70.6	5.49	6.0	SR13	8/1/2019 14:35	27.26	78.4	5.72	6.3	SR13	8/1/2019 20:35	27.26	78.0	6.00	5.1
SR13	8/1/2019 2:40	27.17	70.8	5.47	7.4	SR13	8/1/2019 8:40	27.00	69.7	5.42	6.3	SR13	8/1/2019 14:40	27.28	80.5	5.87	5.4	SR13	8/1/2019 20:40	27.24	76.2	5.87	5.3
SR13	8/1/2019 2:45	27.17	71.3	5.50	6.9	SR13	8/1/2019 8:45	27.03	69.8	5.42	7.0	SR13	8/1/2019 14:45	27.30	79.8	5.82	5.8	SR13	8/1/2019 20:45	27.23	76.6	5.90	5.9
SR13	8/1/2019 2:50	27.17	70.9	5.48	6.9	SR13	8/1/2019 8:50	27.06	69.6	5.41	6.8	SR13	8/1/2019 14:50	27.28	79.0	5.76	5.8	SR13	8/1/2019 20:50	27.22	75.8	5.83	6.2
SR13	8/1/2019 2:55	27.16	70.8	5.48	5.9	SR13	8/1/2019 8:55	27.06	69.7	5.43	6.4	SR13	8/1/2019 14:55	27.31	77.9	5.68	6.3	SR13	8/1/2019 20:55	27.22	77.8	5.99	4.7
SR13	8/1/2019 3:00	27.16	71.1	5.49	6.2	SR13	8/1/2019 9:00	27.08	70.5	5.50	5.7	SR13	8/1/2019 15:00	27.32	79.2	5.78	6.6	SR13	8/1/2019 21:00	27.18	73.0	5.63	5.1
SR13	8/1/2019 3:05	27.17	71.0	5.49	6.8	SR13	8/1/2019 9:05	27.08	71.0	5.50	5.6	SR13	8/1/2019 15:05	27.34	79.2	5.78	5.9	SR13	8/1/2019 21:05	27.19	74.5	5.74	5.2
SR13	8/1/2019 3:10	27.16	70.4	5.46	6.8	SR13	8/1/2019 9:10	27.09	72.1	5.60	5.9	SR13	8/1/2019 15:10	27.34	77.7	5.66	6.3	SR13	8/1/2019 21:10	27.20	74.3	5.72	6.0
SR13	8/1/2019 3:15	27.18	70.4	5.44	6.8	SR13	8/1/2019 9:15	27.09	71.9	5.57	6.6	SR13	8/1/2019 15:15	27.34	78.7	5.74	6.4	SR13	8/1/2019 21:15	27.20	75.0	5.78	5.8
SR13	8/1/2019 3:20	27.18	69.5	5.37	6.3	SR13	8/1/2019 9:20	27.09	72.8	5.66	6.5	SR13	8/1/2019 15:20	27.36	78.4	5.71	6.7	SR13	8/1/2019 21:20	27.19	75.2	5.79	6.0
SR13	8/1/2019 3:25	27.19	71.0	5.50	6.1	SR13	8/1/2019 9:25	27.09	73.3	5.70	6.2	SR13	8/1/2019 15:25	27.36	80.1	5.84	6.8	SR13	8/1/2019 21:25	27.19	75.3	5.80	4.3
SR13	8/1/2019 3:30	27.18	70.8	5.50	6.3	SR13	8/1/2019 9:30	27.07	72.1	5.59	6.3	SR13	8/1/2019 15:30	27.36	79.3	5.78	6.5	SR13	8/1/2019 21:30	27.18	74.4	5.73	5.6
SR13	8/1/2019 3:35	27.18	72.0	5.59	6.2	SR13	8/1/2019 9:35	27.09	73.2	5.71	5.9	SR13	8/1/2019 15:35	27.35	80.6	5.88	6.3	SR13	8/1/2019 21:35	27.19	77.1	5.93	6.1
SR13	8/1/2019 3:40	27.18	71.5	5.55	6.7	SR13	8/1/2019 9:40	27.08	73.2	5.69	5.8	SR13	8/1/2019 15:40	27.35	78.8	5.74	6.5	SR13	8/1/2019 21:40	27.20	78.6	6.05	5.6
SR13	8/1/2019 3:45	27.18	71.8	5.58	6.6	SR13	8/1/2019 9:45	27.06	73.5	5.74	6.9	SR13	8/1/2019 15:45	27.36	81.1	5.92	6.5	SR13	8/1/2019 21:45	27.20	76.3	5.87	6.1
SR13	8/1/2019 3:50	27.17	72.1	5.60	6.4	SR13	8/1/2019 9:50	27.07	73.3	5.71	5.4	SR13	8/1/2019 15:50	27.36	80.5	5.87	6.2	SR13	8/1/2019 21:50	27.20	77.0	5.93	6.0
SR13	8/1/2019 3:55	27.16	71.4	5.54	6.2	SR13	8/1/2019 9:55	27															

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/1/2019 0:17	0.23				SR12	8/1/2019 0:17	0.34			
SR4	8/1/2019 0:37	0.24				SR12	8/1/2019 0:37	0.34			
SR4	8/1/2019 0:57	0.24				SR12	8/1/2019 0:57	0.34			
SR4	8/1/2019 1:17	0.25				SR12	8/1/2019 1:17	0.32			
SR4	8/1/2019 1:37	0.24				SR12	8/1/2019 1:37	0.33			
SR4	8/1/2019 1:57	0.24				SR12	8/1/2019 1:57	0.31			
SR4	8/1/2019 2:17	0.24				SR12	8/1/2019 2:17	0.33			
SR4	8/1/2019 2:37	0.24				SR12	8/1/2019 2:37	0.34			
SR4	8/1/2019 2:57	0.24				SR12	8/1/2019 2:57	0.33			
SR4	8/1/2019 3:17	0.23				SR12	8/1/2019 3:17	0.33			
SR4	8/1/2019 3:37	0.25				SR12	8/1/2019 3:37	0.32			
SR4	8/1/2019 3:57	0.25				SR12	8/1/2019 3:57	0.33			
SR4	8/1/2019 4:17	0.23				SR12	8/1/2019 4:17	0.33			
SR4	8/1/2019 4:37	0.27				SR12	8/1/2019 4:37	0.31			
SR4	8/1/2019 4:57	0.27				SR12	8/1/2019 4:57	0.32			
SR4	8/1/2019 5:17	0.27				SR12	8/1/2019 5:17	0.33			
SR4	8/1/2019 5:37	0.27				SR12	8/1/2019 5:37	0.33			
SR4	8/1/2019 5:57	0.24				SR12	8/1/2019 5:57	0.34			
SR4						SR12					
SR4	8/1/2019 6:37	0.25				SR12	8/1/2019 6:37	0.34			
SR4	8/1/2019 6:57	0.27				SR12	8/1/2019 6:57	0.36			
SR4	8/1/2019 7:17	0.25				SR12	8/1/2019 7:17	0.35			
SR4	8/1/2019 7:37	0.24				SR12	8/1/2019 7:37	0.35			
SR4	8/1/2019 7:57	0.25				SR12	8/1/2019 7:57	0.34			
SR4	8/1/2019 8:17	0.24				SR12	8/1/2019 8:17	0.36			
SR4	8/1/2019 8:37	0.25				SR12	8/1/2019 8:37	0.34			
SR4	8/1/2019 8:57	0.26				SR12	8/1/2019 8:57	0.36			
SR4	8/1/2019 9:17	0.26				SR12	8/1/2019 9:17	0.34			
SR4	8/1/2019 9:37	0.27				SR12	8/1/2019 9:37	0.34			
SR4	8/1/2019 9:57	0.26				SR12	8/1/2019 9:57	0.36			
SR4	8/1/2019 10:17	0.27				SR12	8/1/2019 10:17	0.34			
SR4	8/1/2019 10:37	0.27				SR12	8/1/2019 10:37	0.35			
SR4	8/1/2019 10:57	0.24				SR12	8/1/2019 10:57	0.36			
SR4	8/1/2019 11:17	0.24				SR12	8/1/2019 11:17	0.36			
SR4	8/1/2019 11:37	0.26				SR12	8/1/2019 11:37	0.36			
SR4	8/1/2019 11:57	0.26				SR12	8/1/2019 11:57	0.36			
SR4	8/1/2019 12:17	0.26				SR12	8/1/2019 12:17	0.36			
SR4	8/1/2019 12:37	0.25				SR12	8/1/2019 12:37	0.35			
SR4	8/1/2019 12:57	0.27				SR12	8/1/2019 12:57	0.36			
SR4	8/1/2019 13:17	0.25				SR12	8/1/2019 13:17	0.36			
SR4	8/1/2019 13:37	0.27				SR12	8/1/2019 13:37	0.34			
SR4	8/1/2019 13:57	0.24				SR12	8/1/2019 13:57	0.34			
SR4	8/1/2019 14:17	0.26				SR12	8/1/2019 14:17	0.34			
SR4	8/1/2019 14:37	0.26				SR12	8/1/2019 14:37	0.30			
SR4	8/1/2019 14:57	0.24				SR12	8/1/2019 14:57	0.29			
SR4	8/1/2019 15:17	0.27				SR12	8/1/2019 15:17	0.24			
SR4	8/1/2019 15:37	0.25				SR12	8/1/2019 15:37	0.22			
SR4	8/1/2019 15:57	0.25				SR12	8/1/2019 15:57	0.25			
SR4	8/1/2019 16:17	0.24				SR12	8/1/2019 16:17	0.22			
SR4	8/1/2019 16:37	0.27				SR12	8/1/2019 16:37	0.25			
SR4	8/1/2019 16:57	0.26				SR12	8/1/2019 16:57	0.23			
SR4	8/1/2019 17:17	0.27				SR12	8/1/2019 17:17	0.24			
SR4	8/1/2019 17:37	0.26				SR12	8/1/2019 17:37	0.23			
SR4	8/1/2019 17:57	0.26				SR12	8/1/2019 17:57	0.23			
SR4	8/1/2019 18:17	0.25				SR12	8/1/2019 18:17	0.24			
SR4	8/1/2019 18:37	0.24				SR12	8/1/2019 18:37	0.25			
SR4	8/1/2019 18:57	0.25				SR12	8/1/2019 18:57	0.23			
SR4	8/1/2019 19:17	0.27				SR12	8/1/2019 19:17	0.24			
SR4	8/1/2019 19:37	0.25				SR12	8/1/2019 19:37	0.23			
SR4	8/1/2019 19:57	0.28				SR12	8/1/2019 19:57	0.23			
SR4	8/1/2019 20:17	0.25				SR12	8/1/2019 20:17	0.25			
SR4	8/1/2019 20:37	0.26				SR12	8/1/2019 20:37	0.25			
SR4	8/1/2019 20:57	0.28				SR12	8/1/2019 20:57	0.22			
SR4	8/1/2019 21:17	0.27				SR12	8/1/2019 21:17	0.24			
SR4	8/1/2019 21:37	0.28				SR12	8/1/2019 21:37	0.22			
SR4	8/1/2019 21:57	0.28				SR12	8/1/2019 21:57	0.23			
SR4	8/1/2019 22:17	0.25				SR12	8/1/2019 22:17	0.22			
SR4	8/1/2019 22:37	0.25				SR12	8/1/2019 22:37	0.23			
SR4	8/1/2019 22:57	0.28				SR12	8/1/2019 22:57	0.25			
SR4	8/1/2019 23:17	0.28				SR12	8/1/2019 23:17	0.23			
SR4	8/1/2019 23:37	0.25				SR12	8/1/2019 23:37	0.24			
SR4	8/1/2019 23:57	0.25				SR12	8/1/2019 23:57	0.27			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/2/2019 0:01	26.27	67.1	4.65	5.6	SR4	8/2/2019 6:01	26.23	57.4	3.95	6.2	SR4	8/2/2019 12:01	26.45	59.4	4.07	5.3	SR4	8/2/2019 18:01	26.56	97.1	7.78	8.3
SR4	8/2/2019 0:06	26.29	67.2	4.66	5.6	SR4	8/2/2019 6:06	26.23	60.1	4.13	6.4	SR4	8/2/2019 12:06	26.35	59.2	4.06	5.5	SR4	8/2/2019 18:06	26.56	97.1	7.78	8.3
SR4	8/2/2019 0:11	26.26	66.7	4.63	5.5	SR4	8/2/2019 6:11	26.23	59.1	4.06	7.6	SR4	8/2/2019 12:11	26.36	60.1	4.12	5.5	SR4	8/2/2019 18:11	26.53	97.0	7.78	8.3
SR4	8/2/2019 0:16	26.24	67.8	4.72	5.5	SR4	8/2/2019 6:16	26.23	62.0	4.26	6.9	SR4	8/2/2019 12:16	26.35	58.8	4.03	5.3	SR4	8/2/2019 18:16	26.11	97.5	7.88	8.7
SR4	8/2/2019 0:21	26.29	67.6	4.68	5.6	SR4	8/2/2019 6:21	26.23	62.0	4.25	6.5	SR4					SR4	8/2/2019 18:21	26.17	97.4	7.86	8.5	
SR4	8/2/2019 0:26	26.24	64.9	4.51	5.3	SR4	8/2/2019 6:26	26.24	65.1	4.48	6.0	SR4					SR4	8/2/2019 18:26	26.07	97.6	7.89	8.4	
SR4	8/2/2019 0:31	26.28	66.4	4.60	5.5	SR4	8/2/2019 6:31	26.23	63.3	4.35	6.3	SR4					SR4	8/2/2019 18:31	26.03	97.4	7.88	8.2	
SR4	8/2/2019 0:36	26.27	67.3	4.67	5.6	SR4	8/2/2019 6:36	26.22	62.2	4.28	6.0	SR4					SR4	8/2/2019 18:36	26.05	97.4	7.87	8.4	
SR4	8/2/2019 0:41	26.26	65.9	4.59	5.6	SR4	8/2/2019 6:41	26.21	61.6	4.23	6.1	SR4					SR4	8/2/2019 18:41	26.01	97.4	7.88	8.7	
SR4	8/2/2019 0:46	26.29	66.8	4.64	5.6	SR4	8/2/2019 6:46	26.21	61.2	4.21	6.0	SR4					SR4	8/2/2019 18:46	26.21	96.7	7.80	7.7	
SR4	8/2/2019 0:51	26.28	67.1	4.67	5.8	SR4	8/2/2019 6:51	26.21	59.9	4.12	6.5	SR4					SR4	8/2/2019 18:51	26.62	93.7	7.49	7.1	
SR4	8/2/2019 0:56	26.27	64.5	4.49	5.5	SR4	8/2/2019 6:56	26.21	59.1	4.06	6.6	SR4					SR4	8/2/2019 18:56	26.23	97.7	7.87	8.3	
SR4	8/2/2019 1:01	26.29	66.3	4.59	6.3	SR4	8/2/2019 7:01	26.21	57.6	3.95	5.8	SR4					SR4	8/2/2019 19:01	26.58	95.2	7.62	8.9	
SR4	8/2/2019 1:06	26.29	66.4	4.60	5.3	SR4	8/2/2019 7:06	26.22	59.0	4.06	5.6	SR4					SR4	8/2/2019 19:06	26.34	96.7	7.78	8.1	
SR4	8/2/2019 1:11	26.28	63.9	4.44	5.2	SR4	8/2/2019 7:11	26.22	58.0	3.99	6.0	SR4					SR4	8/2/2019 19:11	26.74	91.6	7.30	8.1	
SR4	8/2/2019 1:16	26.29	66.3	4.59	5.4	SR4	8/2/2019 7:16	26.21	58.7	4.03	5.9	SR4					SR4	8/2/2019 19:16	26.80	85.4	6.80	6.3	
SR4	8/2/2019 1:21	26.27	63.0	4.38	5.4	SR4	8/2/2019 7:21	26.21	58.3	4.00	6.6	SR4					SR4	8/2/2019 19:21	26.81	79.4	6.31	19.1	
SR4	8/2/2019 1:26	26.30	64.1	4.43	5.2	SR4	8/2/2019 7:26	26.20	58.6	4.02	6.7	SR4	8/2/2019 13:26	26.31	57.8	3.96	6.2	SR4	8/2/2019 19:26	26.87	73.6	5.57	7.8
SR4	8/2/2019 1:31	26.28	65.8	4.56	5.6	SR4	8/2/2019 7:31	26.20	59.3	4.07	6.8	SR4	8/2/2019 13:31	26.60	54.7	4.35	9.2	SR4	8/2/2019 19:31	26.86	73.3	5.05	8.0
SR4	8/2/2019 1:36	26.28	62.3	4.32	5.5	SR4	8/2/2019 7:36	26.19	60.1	4.12	7.1	SR4	8/2/2019 13:36	26.38	56.8	3.89	5.3	SR4	8/2/2019 19:36	26.87	71.3	5.03	8.1
SR4	8/2/2019 1:41	26.29	62.8	4.35	5.4	SR4	8/2/2019 7:41	26.19	58.1	3.99	6.4	SR4	8/2/2019 13:41	26.45	55.0	4.12	9.9	SR4	8/2/2019 19:41	26.85	70.9	4.89	8.4
SR4	8/2/2019 1:46	26.30	59.2	4.10	5.6	SR4	8/2/2019 7:46	26.19	58.5	4.02	6.6	SR4	8/2/2019 13:46	26.42	53.2	4.41	9.6	SR4	8/2/2019 19:46	26.85	72.9	5.02	9.5
SR4	8/2/2019 1:51	26.29	65.3	4.51	5.4	SR4	8/2/2019 7:51	26.19	58.0	3.98	6.5	SR4	8/2/2019 13:51	26.29	55.6	3.81	5.6	SR4	8/2/2019 19:51	26.83	71.1	4.90	9.5
SR4	8/2/2019 1:56	26.28	62.2	4.31	5.2	SR4	8/2/2019 7:56	26.19	58.1	3.98	6.7	SR4	8/2/2019 13:56	26.27	59.5	4.08	6.4	SR4	8/2/2019 19:56	26.80	73.3	5.05	5.8
SR4	8/2/2019 2:01	26.29	56.7	3.92	5.2	SR4	8/2/2019 8:01	26.18	57.8	3.97	6.7	SR4	8/2/2019 14:01	26.28	57.6	3.95	6.1	SR4	8/2/2019 20:01	26.77	71.7	4.94	8.5
SR4	8/2/2019 2:06	26.30	54.5	4.76	5.1	SR4	8/2/2019 8:06	26.19	58.2	3.99	6.6	SR4	8/2/2019 14:06	26.29	59.5	4.08	6.2	SR4	8/2/2019 20:06	26.72	71.2	4.90	8.6
SR4	8/2/2019 2:11	26.29	54.3	4.96	5.1	SR4	8/2/2019 8:11	26.19	57.1	3.91	6.8	SR4	8/2/2019 14:11	26.27	59.9	4.11	6.3	SR4	8/2/2019 20:11	26.74	69.7	4.80	9.4
SR4	8/2/2019 2:16	26.29	59.2	4.08	5.2	SR4	8/2/2019 8:16	26.19	56.9	3.90	6.8	SR4	8/2/2019 14:16	26.32	57.0	3.91	5.9	SR4	8/2/2019 20:16	26.72	70.2	4.83	5.1
SR4	8/2/2019 2:21	26.29	55.9	3.86	5.7	SR4	8/2/2019 8:21	26.19	56.8	3.90	6.4	SR4	8/2/2019 14:21	26.27	58.9	4.04	6.1	SR4	8/2/2019 20:21	26.72	68.6	4.72	9.4
SR4	8/2/2019 2:26	26.28	53.4	4.26	5.2	SR4	8/2/2019 8:26	26.18	57.0	3.90	6.4	SR4	8/2/2019 14:26	26.40	53.8	4.23	6.1	SR4	8/2/2019 20:26	26.65	68.6	4.72	6.6
SR4	8/2/2019 2:31	26.28	52.8	4.72	5.1	SR4	8/2/2019 8:31	26.19	56.0	3.84	6.4	SR4	8/2/2019 14:31	26.39	57.0	3.91	5.7	SR4	8/2/2019 20:31	26.61	66.2	4.55	6.5
SR4	8/2/2019 2:36	26.27	55.0	3.79	5.3	SR4	8/2/2019 8:36	26.19	55.8	3.82	6.8	SR4	8/2/2019 14:36	26.29	60.7	4.16	6.3	SR4	8/2/2019 20:36	26.59	66.0	4.54	6.4
SR4	8/2/2019 2:41	26.24	59.5	4.10	6.0	SR4	8/2/2019 8:41	26.18	55.5	3.80	6.3	SR4	8/2/2019 14:41	26.29	60.7	4.16	6.7	SR4	8/2/2019 20:41	26.65	66.9	4.60	5.8
SR4	8/2/2019 2:46	26.24	58.7	4.04	5.4	SR4	8/2/2019 8:46	26.18	57.8	3.96	6.2	SR4	8/2/2019 14:46	26.29	61.3	4.20	6.9	SR4	8/2/2019 20:46	26.68	64.9	4.46	6.6
SR4	8/2/2019 2:51	26.24	56.2	3.87	5.1	SR4	8/2/2019 8:51	26.18	57.7	3.95	6.4	SR4	8/2/2019 14:51	26.27	62.1	4.25	6.2	SR4	8/2/2019 20:51	26.61	65.1	4.47	5.6
SR4	8/2/2019 2:56	26.26	53.7	4.81	8.3	SR4	8/2/2019 8:56	26.18	56.7	3.89	6.0	SR4	8/2/2019 14:56	26.36	59.3	4.06	5.8	SR4	8/2/2019 20:56	26.59	63.9	4.39	5.6
SR4	8/2/2019 3:01	26.27	47.5	4.39	9.2	SR4	8/2/2019 9:01	26.18	55.7	3.81	6.6	SR4	8/2/2019 15:01	26.39	59.1	4.04	5.6	SR4	8/2/2019 21:01	26.55	64.6	4.44	6.5
SR4	8/2/2019 3:06	26.26	49.0	4.26	9.0	SR4	8/2/2019 9:06	26.18	53.6	4.46	6.8	SR4	8/2/2019 15:06	26.53	60.2	4.95	9.6	SR4	8/2/2019 21:06	26.55	64.4	4.42	5.6
SR4	8/2/2019 3:11	26.26	51.5	4.85	5.2	SR4	8/2/2019 9:11	26.17	54.5	4.96	6.3	SR4	8/2/2019 15:11	26.50	62.0	4.80	9.2	SR4	8/2/2019 21:11	26.56	64.2	4.41	5.6
SR4	8/2/2019 3:16	26.23	58.6	4.03	5.1	SR4	8/2/2019 9:16	26.20	55.5	3.80	6.3	SR4	8/2/2019 15:16	26.50	60.5	4.14	8.8	SR4	8/2/2019 21:16	26.52	59.8	4.11	6.2
SR4	8/2/2019 3:21	26.24	58.4	4.03	5.2	SR4	8/2/2019 9:21	26.21	61.9	4.25	6.2	SR4	8/2/2019 15:21	26.46	62.6	4.28	12.7	SR4	8/2/2019 21:21	26.50	60.5	4.15	5.8
SR4	8/2/2019 3:26	26.25	53.4	4.66	19.8	SR4	8/2/2019 9:26	26.21	61.4	4.21	6.3	SR4	8/2/2019 15:26	26.51	69.6	5.54	8.2	SR4	8/2/2019 21:26	26.50	58.5	4.02	5.9
SR4	8/2/2019 3:31	26.24	54.2	4.77	9.6	SR4	8/2/2019 9:31	26.21	59.9	4.11	6.0	SR4	8/2/2019 15:31	26.48	81.9	6.56	14.8	SR4	8/2/2019 21:31	26.49	59.2	4.06	5.7
SR4	8/2/2019 3:36	26.23	58.7	4.04	5.2	SR4	8/2/2019 9:36	26.22	60.7	4.17	6.1	SR4	8/2/2019 15:36	26.45	87.2	6.98	5.9	SR4	8/2/2019 21:36	26.52	59.8	4.10	9.9
SR4	8/2/2019 3:41	26.25	50.9	4.22	9.5	SR4	8/2/2019 9:41	26.22	60.3	4.14	6.1	SR4	8/2/2019 15:41	26.42	96.9	7.77	9.8	SR4	8/2/2019 21:41	26.54	56.6	3.89	9.6
SR4	8/2/2019 3:46	26.25	52.8	4.30	9.3	SR4	8/2/2019 9:46	26.22	61.4	4.21	5.9	SR4	8/2/2019 15:46	26.37	97.1	7.80	9.1	SR4	8/2/2019 21:46	26.48	59.9	4.11	5.9
SR4	8/2/2019 3:51	26.24	54.1	4.23	9.6	SR4	8/2/2019 9:51	26.22	60.2	4.13	6.0	SR4	8/2/2019 15:51	26.42	97.3	7.81	8.7	SR4	8/2/2019 21:51	26.47	58.9	4.04	5.9
SR4	8/2/2019 3:56	26.24	56.4	3.88	5.2	SR4	8/2/2019 9:56	26.22	60.0	4.12	6.4	SR4	8/2/2019 15:56	26.59	97.2	7.78	8.6	SR4	8/2/2019 21:56	26.44	58.7	4.03	6.2
SR4	8/2/2019 4:01	26.24	54.2	4.91	5.1	SR4	8/2/2019 10:01	26.22	59.3	4.07	5.9	SR4	8/2/2019 16:01	26.64	97.1	7.76	8.4	SR4	8/2/2019 22:01	26.42	57.3	3.93	5.5
SR4	8/2/2019 4:06	26.25	53.8	4.45	5.1	SR4	8/2/2019 10:06	26.23	61.5	4.22	6.2	SR4	8/2/2019 16:06	26.42	97.2	7.81	8.3	SR4	8/2/2019 22:06	26.45	58.8	4.03	5.9
SR4	8/2/2019 4:11	2																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/2/2019 0:00	26.18	68.4	5.58	6.3	SR5	8/2/2019 6:00	26.42	68.4	5.59	7.4	SR5	8/2/2019 12:00	26.36	66.5	5.40	6.5	SR5	8/2/2019 18:00	26.90	80.7	6.89	6.9
SR5	8/2/2019 0:05	26.20	67.8	5.53	8.1	SR5	8/2/2019 6:05	26.41	68.0	5.57	5.7	SR5	8/2/2019 12:05	26.42	68.0	5.53	5.5	SR5	8/2/2019 18:05	26.95	81.0	6.90	7.4
SR5	8/2/2019 0:10	26.19	67.7	5.52	6.0	SR5	8/2/2019 6:10	26.41	66.4	5.38	6.3	SR5	8/2/2019 12:10	26.39	68.5	5.60	6.1	SR5	8/2/2019 18:10	27.02	80.9	6.90	5.4
SR5	8/2/2019 0:15	26.20	67.5	5.47	6.1	SR5	8/2/2019 6:15	26.41	67.9	5.54	8.6	SR5	8/2/2019 12:15	26.42	68.0	5.57	6.5	SR5	8/2/2019 18:15	27.05	81.1	6.96	5.8
SR5	8/2/2019 0:20	26.18	66.5	5.38	6.1	SR5	8/2/2019 6:20	26.40	66.8	5.41	6.9	SR5	8/2/2019 12:20	26.41	68.9	5.63	5.6	SR5	8/2/2019 18:20	27.06	81.2	6.96	6.6
SR5	8/2/2019 0:25	26.21	68.5	5.58	6.8	SR5	8/2/2019 6:25	26.40	66.3	5.38	5.6	SR5	8/2/2019 12:25	26.56	66.1	5.37	5.9	SR5	8/2/2019 18:25	27.06	80.9	6.95	8.1
SR5	8/2/2019 0:30	26.21	67.8	5.53	7.7	SR5	8/2/2019 6:30	26.42	68.4	5.61	7.2	SR5	8/2/2019 12:30	26.71	67.5	5.49	5.6	SR5	8/2/2019 18:30	27.05	81.0	6.96	5.9
SR5	8/2/2019 0:35	26.21	67.9	5.51	8.3	SR5	8/2/2019 6:35	26.37	68.3	5.57	5.6	SR5	8/2/2019 12:35	26.50	68.1	5.56	5.1	SR5	8/2/2019 18:35	27.00	81.1	6.96	6.4
SR5	8/2/2019 0:40	26.21	66.5	5.38	6.8	SR5	8/2/2019 6:40	26.39	67.8	5.52	5.1	SR5	8/2/2019 12:40	26.49	67.3	5.47	6.5	SR5	8/2/2019 18:40	26.99	81.1	6.97	3.6
SR5	8/2/2019 0:45	26.20	69.0	5.63	6.4	SR5	8/2/2019 6:45	26.38	65.9	5.35	7.5	SR5	8/2/2019 12:45	26.58	75.0	5.22	6.7	SR5	8/2/2019 18:45	26.99	80.5	6.90	4.6
SR5	8/2/2019 0:50	26.20	68.9	5.62	8.4	SR5	8/2/2019 6:50	26.36	68.1	5.57	6.1	SR5	8/2/2019 12:50	26.59	75.5	5.25	5.3	SR5	8/2/2019 18:50	27.00	79.2	6.71	5.6
SR5	8/2/2019 0:55	26.20	66.7	5.40	6.4	SR5	8/2/2019 6:55	26.32	67.4	5.50	5.9	SR5	8/2/2019 12:55	26.56	76.1	5.30	5.8	SR5	8/2/2019 18:55	26.99	81.3	6.96	6.1
SR5	8/2/2019 1:00	26.21	68.6	5.60	7.4	SR5	8/2/2019 7:00	26.31	68.2	5.56	7.2	SR5	8/2/2019 13:00	26.67	79.1	5.51	4.8	SR5	8/2/2019 19:00	26.98	79.7	6.77	5.4
SR5	8/2/2019 1:05	26.20	67.2	5.46	6.9	SR5	8/2/2019 7:05	26.31	67.2	5.45	4.8	SR5	8/2/2019 13:05	26.75	80.2	5.59	4.5	SR5	8/2/2019 19:05	27.00	80.6	6.89	7.7
SR5	8/2/2019 1:10	26.21	68.2	5.55	6.6	SR5	8/2/2019 7:10	26.32	67.4	5.50	7.2	SR5	8/2/2019 13:10	26.67	79.0	5.51	6.8	SR5	8/2/2019 19:10	27.00	78.1	6.58	7.1
SR5	8/2/2019 1:15	26.21	66.8	5.41	7.9	SR5	8/2/2019 7:15	26.30	66.2	5.37	7.8	SR5	8/2/2019 13:15	26.71	78.7	5.49	4.6	SR5	8/2/2019 19:15	27.00	74.8	6.24	5.8
SR5	8/2/2019 1:20	26.22	68.0	5.53	7.2	SR5	8/2/2019 7:20	26.29	67.5	5.52	7.0	SR5	8/2/2019 13:20	26.67	79.5	5.56	7.1	SR5	8/2/2019 19:20	26.99	72.0	5.94	8.1
SR5	8/2/2019 1:25	26.24	67.6	5.47	4.8	SR5	8/2/2019 7:25	26.28	68.2	5.57	7.1	SR5	8/2/2019 13:25	26.65	78.8	5.51	7.1	SR5	8/2/2019 19:25	26.97	68.9	5.45	5.7
SR5	8/2/2019 1:30	26.29	68.8	5.61	6.4	SR5	8/2/2019 7:30	26.27	68.6	5.62	6.8	SR5	8/2/2019 13:30	26.65	79.1	5.53	3.6	SR5	8/2/2019 19:30	26.96	77.2	5.42	3.7
SR5	8/2/2019 1:35	26.29	67.4	5.47	6.3	SR5	8/2/2019 7:35	26.28	66.8	5.45	7.9	SR5	8/2/2019 13:35	26.62	78.1	5.46	6.5	SR5	8/2/2019 19:35	26.98	76.5	5.37	5.4
SR5	8/2/2019 1:40	26.29	69.2	5.65	7.1	SR5	8/2/2019 7:40	26.26	67.8	5.52	4.7	SR5	8/2/2019 13:40	26.67	79.2	5.54	3.9	SR5	8/2/2019 19:40	26.98	75.9	5.33	5.5
SR5	8/2/2019 1:45	26.30	68.8	5.61	6.5	SR5	8/2/2019 7:45	26.25	68.1	5.56	6.4	SR5	8/2/2019 13:45	26.81	81.7	5.70	7.5	SR5	8/2/2019 19:45	26.99	75.0	5.27	6.3
SR5	8/2/2019 1:50	26.30	68.6	5.58	7.0	SR5	8/2/2019 7:50	26.24	67.1	5.47	4.5	SR5	8/2/2019 13:50	26.81	80.1	5.59	7.1	SR5	8/2/2019 19:50	26.99	75.4	5.30	4.6
SR5	8/2/2019 1:55	26.35	67.7	5.49	6.6	SR5	8/2/2019 7:55	26.23	65.9	5.35	7.9	SR5	8/2/2019 13:55	26.80	81.0	5.66	7.0	SR5	8/2/2019 19:55	26.99	76.1	5.34	7.1
SR5	8/2/2019 2:00	26.34	67.6	5.51	5.4	SR5	8/2/2019 8:00	26.22	66.4	5.38	5.3	SR5	8/2/2019 14:00	26.74	79.1	5.52	4.0	SR5	8/2/2019 20:00	26.95	76.2	5.35	5.1
SR5	8/2/2019 2:05	26.35	67.5	5.49	6.8	SR5	8/2/2019 8:05	26.21	66.9	5.45	6.4	SR5	8/2/2019 14:05	26.76	80.0	5.59	6.4	SR5	8/2/2019 20:05	26.96	75.6	5.30	5.4
SR5	8/2/2019 2:10	26.35	66.6	5.41	7.3	SR5	8/2/2019 8:10	26.21	65.9	5.34	6.8	SR5	8/2/2019 14:10	26.76	79.6	5.56	7.8	SR5	8/2/2019 20:10	26.89	75.3	5.28	7.0
SR5	8/2/2019 2:15	26.34	68.5	5.60	5.8	SR5	8/2/2019 8:15	26.19	67.9	5.57	7.5	SR5	8/2/2019 14:15	26.77	79.3	5.54	4.6	SR5	8/2/2019 20:15	26.86	67.6	5.53	5.7
SR5	8/2/2019 2:20	26.34	68.3	5.59	7.3	SR5	8/2/2019 8:20	26.19	66.6	5.41	5.2	SR5	8/2/2019 14:20	26.79	79.2	5.53	6.9	SR5	8/2/2019 20:20	26.86	66.6	5.43	5.4
SR5	8/2/2019 2:25	26.34	67.6	5.52	8.1	SR5	8/2/2019 8:25	26.17	67.9	5.52	6.9	SR5	8/2/2019 14:25	26.78	79.0	5.51	6.8	SR5	8/2/2019 20:25	26.82	66.9	5.47	6.7
SR5	8/2/2019 2:30	26.34	68.6	5.61	7.1	SR5	8/2/2019 8:30	26.18	67.7	5.51	6.4	SR5	8/2/2019 14:30	26.78	79.5	5.55	6.9	SR5	8/2/2019 20:30	26.79	67.8	5.54	7.7
SR5	8/2/2019 2:35	26.34	66.6	5.39	6.5	SR5	8/2/2019 8:35	26.17	66.6	5.40	8.2	SR5	8/2/2019 14:35	26.80	79.8	5.58	6.0	SR5	8/2/2019 20:35	26.75	67.1	5.48	6.8
SR5	8/2/2019 2:40	26.34	66.3	5.39	4.7	SR5	8/2/2019 8:40	26.22	67.5	5.51	3.8	SR5	8/2/2019 14:40	26.77	78.8	5.51	5.2	SR5	8/2/2019 20:40	26.76	66.3	5.40	3.9
SR5	8/2/2019 2:45	26.34	68.7	5.63	7.2	SR5	8/2/2019 8:45	26.16	66.7	5.44	4.8	SR5	8/2/2019 14:45	26.73	78.5	5.50	4.7	SR5	8/2/2019 20:45	26.76	66.1	5.37	4.9
SR5	8/2/2019 2:50	26.33	66.9	5.43	5.9	SR5	8/2/2019 8:50	26.19	67.9	5.55	7.2	SR5	8/2/2019 14:50	26.74	77.5	5.42	4.9	SR5	8/2/2019 20:50	26.73	67.0	5.49	5.1
SR5	8/2/2019 2:55	26.33	66.1	5.37	4.9	SR5	8/2/2019 8:55	26.18	67.1	5.47	6.9	SR5	8/2/2019 14:55	26.74	77.7	5.44	5.6	SR5	8/2/2019 20:55	26.68	67.1	5.48	7.2
SR5	8/2/2019 3:00	26.32	65.8	5.34	5.5	SR5	8/2/2019 9:00	26.15	66.3	5.38	6.6	SR5	8/2/2019 15:00	26.77	76.9	5.38	5.6	SR5	8/2/2019 21:00	26.67	66.7	5.44	5.0
SR5	8/2/2019 3:05	26.33	67.3	5.50	6.4	SR5	8/2/2019 9:05	26.12	68.9	5.63	7.7	SR5	8/2/2019 15:05	26.73	75.8	5.30	7.2	SR5	8/2/2019 21:05	26.66	66.0	5.36	5.7
SR5	8/2/2019 3:10	26.32	68.5	5.59	3.9	SR5	8/2/2019 9:10	26.12	67.5	5.52	5.2	SR5	8/2/2019 15:10	26.82	77.7	5.43	6.1	SR5	8/2/2019 21:10	26.62	65.4	5.32	4.8
SR5	8/2/2019 3:15	26.32	66.5	5.38	5.0	SR5	8/2/2019 9:15	26.14	68.2	5.59	4.3	SR5	8/2/2019 15:15	26.87	77.9	5.44	4.8	SR5	8/2/2019 21:15	26.63	65.1	5.26	6.2
SR5	8/2/2019 3:20	26.35	66.4	5.40	6.1	SR5	8/2/2019 9:20	26.14	67.1	5.47	6.6	SR5	8/2/2019 15:20	26.90	78.2	5.47	7.8	SR5	8/2/2019 21:20	26.62	65.1	5.29	4.6
SR5	8/2/2019 3:25	26.36	66.8	5.45	6.7	SR5	8/2/2019 9:25	26.12	66.2	5.37	4.9	SR5	8/2/2019 15:25	26.94	78.3	5.47	6.4	SR5	8/2/2019 21:25	26.63	64.9	5.25	2.9
SR5	8/2/2019 3:30	26.34	66.8	5.45	5.2	SR5	8/2/2019 9:30	26.11	66.8	5.45	4.1	SR5	8/2/2019 15:30	26.99	74.1	6.15	5.3	SR5	8/2/2019 21:30	26.61	65.5	5.30	4.2
SR5	8/2/2019 3:35	26.34	68.1	5.59	6.3	SR5	8/2/2019 9:35	26.19	68.4	5.61	6.9	SR5	8/2/2019 15:35	26.99	76.3	6.40	7.8	SR5	8/2/2019 21:35	26.59	65.1	5.28	5.5
SR5	8/2/2019 3:40	26.34	67.3	5.49	6.5	SR5	8/2/2019 9:40	26.19	66.6	5.40	7.1	SR5	8/2/2019 15:40	27.01	81.0	6.90	5.4	SR5	8/2/2019 21:40	26.58	65.5	5.30	3.7
SR5	8/2/2019 3:45	26.34	67.5	5.51	5.2	SR5	8/2/2019 9:45	26.18	66.3	5.39	5.0	SR5	8/2/2019 15:45	26.93	81.5	6.94	6.9	SR5	8/2/2019 21:45	26.56	65.2	5.28	4.7
SR5	8/2/2019 3:50	26.35	68.1	5.59	5.4	SR5	8/2/2019 9:50	26.16	68.3	5.57	5.5	SR5	8/2/2019 15:50	26.97	81.1	6.92	6.9	SR5	8/2/2019 21:50	26.55	65.1	5.28	5.8
SR5	8/2/2019 3:55	26.29	66.3	5.39	7.4	SR5	8/2/2019 9:55	26.15	67.6	5.51	7.9	SR5	8/2/2019 15:55	26.95	81.7	6.94	6.0	SR5	8/2/2019 21:55	26.55	65.2	5.29	4.9
SR5	8/2/2019 4:00	26																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/2/2019 0:01	26.18	69.3	5.19	4.8	SR12	8/2/2019 6:01	26.20	66.4	4.97	5.5	SR12	8/2/2019 12:01	26.28	69.5	5.20	6.7	SR12	8/2/2019 18:01	26.66	67.8	4.76	6.3
SR12	8/2/2019 0:06	26.18	61.9	4.63	5.3	SR12	8/2/2019 6:06	26.19	65.7	4.92	7.0	SR12	8/2/2019 12:06	26.28	61.9	4.63	7.0	SR12	8/2/2019 18:06	26.66	67.8	4.76	6.5
SR12	8/2/2019 0:11	26.19	66.7	4.99	5.2	SR12	8/2/2019 6:11	26.19	68.0	5.09	6.0	SR12	8/2/2019 12:11	26.30	66.9	5.01	7.1	SR12	8/2/2019 18:11	26.68	67.6	4.75	6.7
SR12	8/2/2019 0:16	26.19	66.3	4.96	6.0	SR12	8/2/2019 6:16	26.19	63.6	4.76	5.8	SR12	8/2/2019 12:16	26.28	64.7	4.84	6.4	SR12	8/2/2019 18:16	26.68	67.6	4.75	5.9
SR12	8/2/2019 0:21	26.18	65.6	4.91	5.7	SR12	8/2/2019 6:21	26.19	69.6	5.21	6.5	SR12	8/2/2019 12:21	26.27	66.0	4.94	7.0	SR12	8/2/2019 18:21	26.69	67.8	4.76	6.4
SR12	8/2/2019 0:26	26.20	64.0	4.79	5.4	SR12	8/2/2019 6:26	26.18	62.9	4.71	5.7	SR12	8/2/2019 12:26	26.28	68.8	5.15	6.0	SR12	8/2/2019 18:26	26.70	67.8	4.77	6.6
SR12	8/2/2019 0:31	26.20	66.9	5.01	5.7	SR12	8/2/2019 6:31	26.18	63.2	4.73	7.5	SR12	8/2/2019 12:31	26.28	69.1	5.17	6.5	SR12	8/2/2019 18:31	26.69	66.8	4.70	7.0
SR12	8/2/2019 0:36	26.20	68.8	5.15	5.2	SR12	8/2/2019 6:36	26.18	62.8	4.70	7.5	SR12	8/2/2019 12:36	26.29	67.5	5.05	6.6	SR12	8/2/2019 18:36	26.69	66.7	4.69	7.0
SR12	8/2/2019 0:41	26.20	67.7	5.07	5.4	SR12	8/2/2019 6:41	26.18	64.4	4.82	7.1	SR12	8/2/2019 12:41	26.30	63.6	4.76	7.0	SR12	8/2/2019 18:41	26.70	66.6	4.68	6.6
SR12	8/2/2019 0:46	26.20	65.7	4.92	5.2	SR12	8/2/2019 6:46	26.18	62.1	4.65	7.3	SR12	8/2/2019 12:46	26.31	65.3	4.89	6.7	SR12	8/2/2019 18:46	26.68	66.0	4.64	6.4
SR12	8/2/2019 0:51	26.21	65.6	4.91	5.3	SR12	8/2/2019 6:51	26.18	62.9	4.71	6.6	SR12	8/2/2019 12:51	26.31	66.5	4.98	6.8	SR12	8/2/2019 18:51	26.69	66.1	4.65	6.6
SR12	8/2/2019 0:56	26.21	67.5	5.05	5.4	SR12	8/2/2019 6:56	26.18	66.3	4.96	7.0	SR12	8/2/2019 12:56	26.31	65.1	4.87	6.5	SR12	8/2/2019 18:56	26.70	67.3	4.73	7.5
SR12	8/2/2019 1:01	26.24	68.0	5.09	6.3	SR12	8/2/2019 7:01	26.18	69.5	5.20	6.4	SR12	8/2/2019 13:01	26.32	69.5	5.20	7.0	SR12	8/2/2019 19:01	26.68	66.2	4.66	7.4
SR12	8/2/2019 1:06	26.26	63.5	4.75	5.3	SR12	8/2/2019 7:06	26.18	68.5	5.13	6.3	SR12	8/2/2019 13:06	26.33	65.3	4.89	6.3	SR12	8/2/2019 19:06	26.68	66.3	4.67	6.9
SR12	8/2/2019 1:11	26.25	65.6	4.91	5.4	SR12	8/2/2019 7:11	26.19	66.4	4.97	6.1	SR12	8/2/2019 13:11	26.32	64.1	4.80	6.7	SR12	8/2/2019 19:11	26.67	65.7	4.63	6.3
SR12	8/2/2019 1:16	26.24	61.3	4.59	2.2	SR12	8/2/2019 7:16	26.19	62.8	4.70	5.4	SR12	8/2/2019 13:16	26.33	67.2	5.03	6.7	SR12	8/2/2019 19:16	26.68	66.3	4.66	6.9
SR12	8/2/2019 1:21	26.25	64.7	4.84	5.6	SR12	8/2/2019 7:21	26.19	65.6	4.91	5.8	SR12	8/2/2019 13:21	26.32	65.5	4.90	6.8	SR12	8/2/2019 19:21	26.68	65.5	4.61	6.1
SR12	8/2/2019 1:26	26.26	65.5	4.90	5.0	SR12	8/2/2019 7:26	26.19	65.9	4.93	6.3	SR12	8/2/2019 13:26	26.32	67.5	5.05	7.0	SR12	8/2/2019 19:26	26.63	66.3	4.96	6.9
SR12	8/2/2019 1:31	26.26	64.0	4.79	5.1	SR12	8/2/2019 7:31	26.19	65.3	4.89	6.0	SR12	8/2/2019 13:31	26.33	66.1	4.95	6.0	SR12	8/2/2019 19:31	26.65	69.5	5.20	7.1
SR12	8/2/2019 1:36	26.26	64.7	4.84	5.5	SR12	8/2/2019 7:36	26.19	61.6	4.61	6.5	SR12	8/2/2019 13:36	26.33	64.8	4.85	7.1	SR12	8/2/2019 19:36	26.66	66.8	5.00	7.3
SR12	8/2/2019 1:41	26.26	68.5	5.13	5.3	SR12	8/2/2019 7:41	26.19	66.4	4.97	5.8	SR12	8/2/2019 13:41	26.32	68.4	5.12	7.2	SR12	8/2/2019 19:41	26.63	63.3	4.74	6.6
SR12	8/2/2019 1:46	26.26	67.9	5.08	6.0	SR12	8/2/2019 7:46	26.19	62.3	4.66	6.7	SR12	8/2/2019 13:46	26.32	63.2	4.73	7.1	SR12	8/2/2019 19:46	26.53	68.5	5.13	6.8
SR12	8/2/2019 1:51	26.26	66.4	4.97	5.2	SR12	8/2/2019 7:51	26.19	63.7	4.77	6.6	SR12	8/2/2019 13:51	26.32	69.5	5.20	6.9	SR12	8/2/2019 19:51	26.55	61.9	4.63	6.0
SR12	8/2/2019 1:56	26.27	68.9	5.16	5.6	SR12	8/2/2019 7:56	26.19	65.3	4.89	6.3	SR12	8/2/2019 13:56	26.32	64.5	4.83	7.4	SR12	8/2/2019 19:56	26.51	63.9	4.78	6.7
SR12	8/2/2019 2:01	26.26	67.5	5.05	6.0	SR12	8/2/2019 8:01	26.19	66.3	4.96	6.3	SR12	8/2/2019 14:01	26.32	68.1	5.10	6.7	SR12	8/2/2019 20:01	26.52	64.3	4.81	6.9
SR12	8/2/2019 2:06	26.25	63.7	4.77	5.5	SR12	8/2/2019 8:06	26.18	67.2	5.03	7.7	SR12	8/2/2019 14:06	26.33	67.1	5.02	6.5	SR12	8/2/2019 20:06	26.49	67.2	5.03	6.2
SR12	8/2/2019 2:11	26.26	63.6	4.76	5.4	SR12	8/2/2019 8:11	26.18	61.3	4.59	6.5	SR12	8/2/2019 14:11	26.32	62.3	4.66	7.2	SR12	8/2/2019 20:11	26.48	69.3	5.19	5.8
SR12	8/2/2019 2:16	26.26	68.8	5.15	5.6	SR12	8/2/2019 8:16	26.18	64.8	4.85	6.5	SR12	8/2/2019 14:16	26.32	67.6	5.06	7.2	SR12	8/2/2019 20:16	26.47	61.6	4.61	7.0
SR12	8/2/2019 2:21	26.26	63.5	4.75	6.1	SR12	8/2/2019 8:21	26.18	69.1	5.17	6.8	SR12	8/2/2019 14:21	26.32	68.4	5.12	6.3	SR12	8/2/2019 20:21	26.46	64.5	4.83	6.8
SR12	8/2/2019 2:26	26.25	62.7	4.69	5.9	SR12	8/2/2019 8:26	26.19	61.6	4.61	7.2	SR12	8/2/2019 14:26	26.30	65.5	4.90	7.3	SR12	8/2/2019 20:26	26.46	65.7	4.92	6.4
SR12	8/2/2019 2:31	26.24	65.7	4.92	5.8	SR12	8/2/2019 8:31	26.18	64.1	4.80	6.2	SR12	8/2/2019 14:31	26.30	66.0	4.94	6.4	SR12	8/2/2019 20:31	26.46	64.9	4.86	6.1
SR12	8/2/2019 2:36	26.23	62.9	4.71	5.3	SR12	8/2/2019 8:36	26.18	69.1	5.17	7.2	SR12	8/2/2019 14:36	26.30	64.7	4.84	6.6	SR12	8/2/2019 20:36	26.46	64.7	4.84	6.6
SR12	8/2/2019 2:41	26.26	64.1	4.80	5.6	SR12	8/2/2019 8:41	26.18	66.0	4.94	6.5	SR12	8/2/2019 14:41	26.28	68.0	5.09	6.4	SR12	8/2/2019 20:41	26.46	66.1	4.95	6.5
SR12	8/2/2019 2:46	26.24	69.6	5.21	6.1	SR12	8/2/2019 8:46	26.18	62.8	4.70	6.5	SR12	8/2/2019 14:46	26.27	64.4	4.82	6.6	SR12	8/2/2019 20:46	26.45	66.3	4.96	5.7
SR12	8/2/2019 2:51	26.26	68.9	5.16	5.5	SR12	8/2/2019 8:51	26.18	64.0	4.79	6.5	SR12	8/2/2019 14:51	26.27	66.9	5.01	6.0	SR12	8/2/2019 20:51	26.45	66.3	4.96	7.2
SR12	8/2/2019 2:56	26.24	68.9	5.16	5.5	SR12	8/2/2019 8:56	26.19	69.1	5.17	6.6	SR12	8/2/2019 14:56	26.28	65.6	4.91	6.5	SR12	8/2/2019 20:56	26.44	67.7	5.07	6.6
SR12	8/2/2019 3:01	26.22	64.7	4.84	5.0	SR12	8/2/2019 9:01	26.18	69.1	5.17	6.1	SR12	8/2/2019 15:01	26.29	69.2	5.18	7.5	SR12	8/2/2019 21:01	26.44	67.7	5.07	6.9
SR12	8/2/2019 3:06	26.24	65.5	4.90	3.7	SR12	8/2/2019 9:06	26.18	65.1	4.87	6.8	SR12	8/2/2019 15:06	26.28	62.1	4.65	6.3	SR12	8/2/2019 21:06	26.44	64.7	4.84	6.7
SR12	8/2/2019 3:11	26.22	62.7	4.69	5.2	SR12	8/2/2019 9:11	26.19	62.8	4.70	7.5	SR12	8/2/2019 15:11	26.30	66.1	4.95	6.7	SR12	8/2/2019 21:11	26.45	66.9	5.01	6.7
SR12	8/2/2019 3:16	26.21	69.5	5.20	5.2	SR12	8/2/2019 9:16	26.19	61.6	4.61	6.5	SR12	8/2/2019 15:16	26.32	65.7	4.92	7.1	SR12	8/2/2019 21:16	26.44	64.5	4.83	7.4
SR12	8/2/2019 3:21	26.22	65.2	4.88	5.6	SR12	8/2/2019 9:21	26.19	69.5	5.20	6.6	SR12	8/2/2019 15:21	26.32	68.8	5.15	6.6	SR12	8/2/2019 21:21	26.44	68.8	5.15	7.1
SR12	8/2/2019 3:26	26.23	61.7	4.62	5.2	SR12	8/2/2019 9:26	26.19	65.1	4.87	7.0	SR12	8/2/2019 15:26	26.33	65.5	4.90	6.7	SR12	8/2/2019 21:26	26.44	65.5	4.90	6.3
SR12	8/2/2019 3:31	26.22	62.0	4.64	5.4	SR12	8/2/2019 9:31	26.18	64.1	4.80	7.2	SR12	8/2/2019 15:31	26.34	63.3	4.74	6.7	SR12	8/2/2019 21:31	26.44	61.7	4.62	6.8
SR12	8/2/2019 3:36	26.21	67.5	5.05	5.2	SR12	8/2/2019 9:36	26.20	63.2	4.73	6.8	SR12	8/2/2019 15:36	26.34	64.5	4.83	6.1	SR12	8/2/2019 21:36	26.43	67.9	5.08	6.6
SR12	8/2/2019 3:41	26.22	67.1	5.02	5.4	SR12	8/2/2019 9:41	26.19	66.9	5.01	7.3	SR12	8/2/2019 15:41	26.36	66.9	5.01	7.3	SR12	8/2/2019 21:41	26.43	62.7	4.69	6.3
SR12	8/2/2019 3:46	26.22	67.3	5.04	4.8	SR12	8/2/2019 9:46	26.19	63.9	4.78	7.5	SR12	8/2/2019 15:46	26.36	62.3	4.66	6.3	SR12	8/2/2019 21:46	26.41	68.7	5.14	6.4
SR12	8/2/2019 3:51	26.23	63.5	4.75	5.2	SR12	8/2/2019 9:51	26.19	65.9	4.93	7.0	SR12	8/2/2019 15:51	26.36	62.7	4.69	7.0	SR12	8/2/2019 21:51	26.45	67.6	5.06	6.6
SR12	8/2/2019 3:56	26.24	68.3	5.11	5.6	SR12	8/2/2019 9:56	26															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/2/2019 0:00	27.17	74.8	5.76	6.0	SR13	8/2/2019 6:00	27.19	73.0	5.63	6.4	SR13	8/2/2019 12:00	27.26	73.7	5.66	6.8	SR13	8/2/2019 18:00	27.60	77.8	6.00	6.8
SR13	8/2/2019 0:05	27.18	75.2	5.78	6.3	SR13	8/2/2019 6:05	27.18	72.9	5.62	6.3	SR13	8/2/2019 12:05	27.28	74.9	5.75	6.6	SR13	8/2/2019 18:05	27.60	78.2	6.14	7.1
SR13	8/2/2019 0:10	27.17	73.9	5.69	5.6	SR13	8/2/2019 6:10	27.18	72.0	5.53	6.3	SR13	8/2/2019 12:10	27.26	73.8	5.69	6.4	SR13	8/2/2019 18:10	27.63	79.5	6.24	6.5
SR13	8/2/2019 0:15	27.16	73.2	5.62	5.7	SR13	8/2/2019 6:15	27.18	71.0	5.48	7.4	SR13	8/2/2019 12:15	27.28	72.8	5.61	7.0	SR13	8/2/2019 18:15	27.64	78.5	6.18	6.7
SR13	8/2/2019 0:20	27.15	73.4	5.64	5.8	SR13	8/2/2019 6:20	27.17	72.5	5.57	6.2	SR13	8/2/2019 12:20	27.25	74.1	5.71	6.6	SR13	8/2/2019 18:20	27.64	77.0	6.07	6.8
SR13	8/2/2019 0:25	27.16	73.4	5.65	6.3	SR13	8/2/2019 6:25	27.17	70.7	5.44	6.1	SR13	8/2/2019 12:25	27.30	70.7	5.44	6.8	SR13	8/2/2019 18:25	27.60	79.0	6.22	7.4
SR13	8/2/2019 0:30	27.16	73.4	5.65	6.3	SR13	8/2/2019 6:30	27.18	71.9	5.55	6.8	SR13	8/2/2019 12:30	27.35	73.8	5.68	6.5	SR13	8/2/2019 18:30	27.60	76.3	6.02	6.4
SR13	8/2/2019 0:35	27.17	74.1	5.70	6.7	SR13	8/2/2019 6:35	27.16	72.5	5.59	6.2	SR13	8/2/2019 12:35	27.28	72.4	5.58	6.6	SR13	8/2/2019 18:35	27.56	77.3	6.09	6.8
SR13	8/2/2019 0:40	27.16	73.8	5.66	6.2	SR13	8/2/2019 6:40	27.17	72.6	5.59	6.1	SR13	8/2/2019 12:40	27.27	73.9	5.68	6.7	SR13	8/2/2019 18:40	27.56	77.4	6.10	5.8
SR13	8/2/2019 0:45	27.15	73.0	5.63	5.9	SR13	8/2/2019 6:45	27.16	72.3	5.56	7.4	SR13	8/2/2019 12:45	27.31	76.4	5.58	6.7	SR13	8/2/2019 18:45	27.55	78.1	6.15	5.9
SR13	8/2/2019 0:50	27.14	72.5	5.59	6.6	SR13	8/2/2019 6:50	27.15	70.7	5.46	6.5	SR13	8/2/2019 12:50	27.31	75.0	5.47	6.5	SR13	8/2/2019 18:50	27.55	78.1	6.12	6.1
SR13	8/2/2019 0:55	27.16	73.4	5.64	6.1	SR13	8/2/2019 6:55	27.14	72.0	5.55	6.4	SR13	8/2/2019 12:55	27.31	78.2	5.71	6.8	SR13	8/2/2019 18:55	27.53	75.2	5.93	6.7
SR13	8/2/2019 1:00	27.17	71.8	5.53	6.5	SR13	8/2/2019 7:00	27.14	74.4	5.73	7.0	SR13	8/2/2019 13:00	27.35	79.5	5.80	6.1	SR13	8/2/2019 19:00	27.52	76.0	5.97	6.5
SR13	8/2/2019 1:05	27.15	71.0	5.46	6.4	SR13	8/2/2019 7:05	27.14	71.5	5.50	6.4	SR13	8/2/2019 13:05	27.37	78.4	5.72	6.4	SR13	8/2/2019 19:05	27.53	76.7	6.04	7.0
SR13	8/2/2019 1:10	27.16	73.6	5.66	6.3	SR13	8/2/2019 7:10	27.14	72.5	5.59	6.9	SR13	8/2/2019 13:10	27.33	77.9	5.68	6.8	SR13	8/2/2019 19:10	27.53	75.5	5.91	6.7
SR13	8/2/2019 1:15	27.15	71.9	5.52	6.5	SR13	8/2/2019 7:15	27.13	74.3	5.70	7.4	SR13	8/2/2019 13:15	27.35	76.9	5.62	6.2	SR13	8/2/2019 19:15	27.53	74.1	5.77	6.5
SR13	8/2/2019 1:20	27.17	72.4	5.57	6.4	SR13	8/2/2019 7:20	27.13	74.0	5.70	6.9	SR13	8/2/2019 13:20	27.32	78.3	5.72	6.9	SR13	8/2/2019 19:20	27.53	73.6	5.70	7.3
SR13	8/2/2019 1:25	27.16	74.5	5.71	5.3	SR13	8/2/2019 7:25	27.13	72.6	5.59	6.9	SR13	8/2/2019 13:25	27.31	76.6	5.60	7.1	SR13	8/2/2019 19:25	27.51	72.7	5.54	6.1
SR13	8/2/2019 1:30	27.18	74.3	5.72	5.9	SR13	8/2/2019 7:30	27.13	73.3	5.66	6.8	SR13	8/2/2019 13:30	27.31	77.6	5.67	5.4	SR13	8/2/2019 19:30	27.51	75.5	5.52	6.1
SR13	8/2/2019 1:35	27.17	73.8	5.67	5.8	SR13	8/2/2019 7:35	27.13	74.5	5.74	7.2	SR13	8/2/2019 13:35	27.31	76.7	5.60	6.8	SR13	8/2/2019 19:35	27.51	76.0	5.56	6.3
SR13	8/2/2019 1:40	27.16	73.0	5.62	5.9	SR13	8/2/2019 7:40	27.13	74.9	5.76	6.0	SR13	8/2/2019 13:40	27.33	78.4	5.73	6.1	SR13	8/2/2019 19:40	27.51	75.7	5.54	6.4
SR13	8/2/2019 1:45	27.18	73.1	5.63	5.0	SR13	8/2/2019 7:45	27.12	73.4	5.66	6.8	SR13	8/2/2019 13:45	27.38	76.4	5.57	7.0	SR13	8/2/2019 19:45	27.51	74.0	5.42	6.7
SR13	8/2/2019 1:50	27.17	71.7	5.52	6.0	SR13	8/2/2019 7:50	27.12	72.8	5.60	6.2	SR13	8/2/2019 13:50	27.39	77.4	5.65	7.0	SR13	8/2/2019 19:50	27.52	75.3	5.51	6.2
SR13	8/2/2019 1:55	27.19	73.9	5.68	5.8	SR13	8/2/2019 7:55	27.10	71.8	5.52	7.2	SR13	8/2/2019 13:55	27.40	77.5	5.66	7.1	SR13	8/2/2019 19:55	27.51	74.9	5.48	7.3
SR13	8/2/2019 2:00	27.19	72.2	5.56	5.4	SR13	8/2/2019 8:00	27.10	75.4	5.79	6.4	SR13	8/2/2019 14:00	27.37	78.1	5.70	5.9	SR13	8/2/2019 20:00	27.50	76.6	5.61	6.5
SR13	8/2/2019 2:05	27.19	70.9	5.45	5.7	SR13	8/2/2019 8:05	27.10	73.4	5.65	6.8	SR13	8/2/2019 14:05	27.39	77.0	5.62	6.7	SR13	8/2/2019 20:05	27.49	75.4	5.52	6.3
SR13	8/2/2019 2:10	27.19	70.9	5.45	6.1	SR13	8/2/2019 8:10	27.10	72.3	5.56	6.8	SR13	8/2/2019 14:10	27.39	75.8	5.53	7.3	SR13	8/2/2019 20:10	27.46	73.9	5.41	7.0
SR13	8/2/2019 2:15	27.18	73.8	5.68	5.4	SR13	8/2/2019 8:15	27.11	72.7	5.62	7.1	SR13	8/2/2019 14:15	27.39	76.3	5.57	5.9	SR13	8/2/2019 20:15	27.45	73.7	5.68	6.4
SR13	8/2/2019 2:20	27.19	73.6	5.67	6.1	SR13	8/2/2019 8:20	27.10	73.7	5.66	6.6	SR13	8/2/2019 14:20	27.41	77.0	5.62	7.1	SR13	8/2/2019 20:20	27.45	71.3	5.49	6.3
SR13	8/2/2019 2:25	27.19	73.4	5.65	6.1	SR13	8/2/2019 8:25	27.10	72.8	5.60	7.3	SR13	8/2/2019 14:25	27.40	75.0	5.47	6.6	SR13	8/2/2019 20:25	27.42	73.9	5.69	6.8
SR13	8/2/2019 2:30	27.20	72.2	5.56	5.8	SR13	8/2/2019 8:30	27.11	73.6	5.66	6.8	SR13	8/2/2019 14:30	27.40	75.5	5.51	7.1	SR13	8/2/2019 20:30	27.43	73.7	5.68	7.1
SR13	8/2/2019 2:35	27.20	73.2	5.62	5.9	SR13	8/2/2019 8:35	27.11	74.7	5.74	7.6	SR13	8/2/2019 14:35	27.41	77.5	5.66	6.6	SR13	8/2/2019 20:35	27.42	74.2	5.71	6.7
SR13	8/2/2019 2:40	27.19	72.6	5.58	5.5	SR13	8/2/2019 8:40	27.12	73.3	5.65	6.0	SR13	8/2/2019 14:40	27.41	77.3	5.65	6.2	SR13	8/2/2019 20:40	27.44	72.6	5.59	6.0
SR13	8/2/2019 2:45	27.19	72.8	5.62	6.1	SR13	8/2/2019 8:45	27.10	72.7	5.60	6.2	SR13	8/2/2019 14:45	27.41	76.2	5.63	6.0	SR13	8/2/2019 20:45	27.43	71.1	5.47	6.2
SR13	8/2/2019 2:50	27.18	71.7	5.51	5.8	SR13	8/2/2019 8:50	27.12	74.3	5.72	6.9	SR13	8/2/2019 14:50	27.43	76.7	5.48	6.1	SR13	8/2/2019 20:50	27.41	73.9	5.70	6.3
SR13	8/2/2019 2:55	27.18	73.7	5.66	5.3	SR13	8/2/2019 8:55	27.12	73.0	5.62	6.7	SR13	8/2/2019 14:55	27.43	76.4	5.63	6.6	SR13	8/2/2019 20:55	27.39	73.1	5.63	6.7
SR13	8/2/2019 3:00	27.17	73.7	5.66	5.5	SR13	8/2/2019 9:00	27.12	72.4	5.56	6.9	SR13	8/2/2019 15:00	27.44	76.8	5.73	6.3	SR13	8/2/2019 21:00	27.39	73.3	5.64	6.3
SR13	8/2/2019 3:05	27.18	71.6	5.52	5.5	SR13	8/2/2019 9:05	27.11	74.1	5.71	7.3	SR13	8/2/2019 15:05	27.45	76.9	5.75	6.8	SR13	8/2/2019 21:05	27.39	72.2	5.55	6.1
SR13	8/2/2019 3:10	27.17	72.9	5.62	4.7	SR13	8/2/2019 9:10	27.11	73.2	5.64	6.4	SR13	8/2/2019 15:10	27.49	78.2	5.60	6.7	SR13	8/2/2019 21:10	27.36	73.5	5.65	6.3
SR13	8/2/2019 3:15	27.16	70.8	5.44	5.2	SR13	8/2/2019 9:15	27.13	72.2	5.57	6.0	SR13	8/2/2019 15:15	27.51	79.0	5.92	6.0	SR13	8/2/2019 21:15	27.37	72.9	5.59	6.6
SR13	8/2/2019 3:20	27.17	74.0	5.69	5.8	SR13	8/2/2019 9:20	27.14	73.9	5.69	6.6	SR13	8/2/2019 15:20	27.52	81.3	6.11	7.4	SR13	8/2/2019 21:20	27.36	70.7	5.43	6.2
SR13	8/2/2019 3:25	27.18	71.5	5.51	6.1	SR13	8/2/2019 9:25	27.13	74.5	5.72	6.2	SR13	8/2/2019 15:25	27.52	81.3	6.11	7.4	SR13	8/2/2019 21:25	27.34	74.6	5.72	5.4
SR13	8/2/2019 3:30	27.17	72.4	5.58	5.4	SR13	8/2/2019 9:30	27.13	73.0	5.62	6.2	SR13	8/2/2019 15:30	27.52	81.3	6.11	7.4	SR13	8/2/2019 21:30	27.34	71.9	5.52	6.1
SR13	8/2/2019 3:35	27.17	74.1	5.72	5.6	SR13	8/2/2019 9:35	27.16	75.0	5.78	7.2	SR13	8/2/2019 15:35	27.52	81.3	6.11	7.4	SR13	8/2/2019 21:35	27.34	71.2	5.47	6.3
SR13	8/2/2019 3:40	27.17	71.5	5.51	6.0	SR13	8/2/2019 9:40	27.16	74.4	5.71	7.1	SR13	8/2/2019 15:40	27.52	81.3	6.11	7.4	SR13	8/2/2019 21:40	27.33	70.9	5.45	5.8
SR13	8/2/2019 3:45	27.17	71.4	5.51	4.9	SR13	8/2/2019 9:45	27.15	74.2	5.70	5.9	SR13	8/2/2019 15:45	27.52	81.3	6.11	7.4	SR13	8/2/2019 21:45	27.33	71.4	5.49	6.4
SR13	8/2/2019 3:50	27.17	74.0	5.72	5.7	SR13	8/2/2019 9:50	27.15	72.9	5.61	6.2	SR13	8/2/2019 15:50	27.52	81.3	6.11	7.4	SR13	8/2/2019 21:50	27.33	69.7	5.36	6.4
SR13	8/2/2019 3:55	27.15	73.8	5.67	6.3	SR13	8/2/2019 9:55	27															

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/2/2019 0:17	0.28				SR12	8/2/2019 0:17	0.28			
SR4	8/2/2019 0:37	0.28				SR12	8/2/2019 0:37	0.28			
SR4	8/2/2019 0:57	0.28				SR12	8/2/2019 0:57	0.29			
SR4	8/2/2019 1:17	0.27				SR12	8/2/2019 1:17	0.28			
SR4	8/2/2019 1:37	0.28				SR12	8/2/2019 1:37	0.27			
SR4	8/2/2019 1:57	0.27				SR12	8/2/2019 1:57	0.30			
SR4	8/2/2019 2:17	0.25				SR12	8/2/2019 2:17	0.29			
SR4	8/2/2019 2:37	0.25				SR12	8/2/2019 2:37	0.27			
SR4	8/2/2019 2:57	0.27				SR12	8/2/2019 2:57	0.30			
SR4	8/2/2019 3:17	0.25				SR12	8/2/2019 3:17	0.27			
SR4	8/2/2019 3:37	0.27				SR12	8/2/2019 3:37	0.30			
SR4	8/2/2019 3:57	0.29				SR12	8/2/2019 3:57	0.29			
SR4	8/2/2019 4:17	0.27				SR12	8/2/2019 4:17	0.27			
SR4	8/2/2019 4:37	0.28				SR12	8/2/2019 4:37	0.27			
SR4	8/2/2019 4:57	0.28				SR12	8/2/2019 4:57	0.28			
SR4	8/2/2019 5:17	0.29				SR12	8/2/2019 5:17	0.28			
SR4	8/2/2019 5:37	0.26				SR12	8/2/2019 5:37	0.27			
SR4	8/2/2019 5:57	0.27				SR12	8/2/2019 5:57	0.30			
SR4	8/2/2019 6:17	0.28				SR12	8/2/2019 6:17	0.30			
SR4	8/2/2019 6:37	0.26				SR12	8/2/2019 6:37	0.29			
SR4	8/2/2019 6:57	0.26				SR12	8/2/2019 6:57	0.29			
SR4	8/2/2019 7:17	0.27				SR12	8/2/2019 7:17	0.30			
SR4	8/2/2019 7:37	0.26				SR12	8/2/2019 7:37	0.31			
SR4	8/2/2019 7:57	0.28				SR12	8/2/2019 7:57	0.32			
SR4	8/2/2019 8:17	0.28				SR12	8/2/2019 8:17	0.31			
SR4	8/2/2019 8:37	0.26				SR12	8/2/2019 8:37	0.31			
SR4	8/2/2019 8:57	0.29				SR12	8/2/2019 8:57	0.31			
SR4	8/2/2019 9:17	0.27				SR12	8/2/2019 9:17	0.33			
SR4	8/2/2019 9:37	0.29				SR12	8/2/2019 9:37	0.33			
SR4	8/2/2019 9:57	0.27				SR12					
SR4	8/2/2019 10:17	0.26				SR12					
SR4	8/2/2019 10:37	0.27				SR12					
SR4	8/2/2019 10:57	0.29				SR12					
SR4	8/2/2019 11:17	0.30				SR12					
SR4	8/2/2019 11:37	0.30				SR12	8/2/2019 11:37	0.31			
SR4	8/2/2019 11:57	0.30				SR12	8/2/2019 11:57	0.31			
SR4						SR12	8/2/2019 12:17	0.33			
SR4						SR12	8/2/2019 12:37	0.33			
SR4						SR12	8/2/2019 12:57	0.34			
SR4						SR12	8/2/2019 13:17	0.34			
SR4	8/2/2019 13:37	0.30				SR12	8/2/2019 13:37	0.34			
SR4	8/2/2019 13:57	0.27				SR12	8/2/2019 13:57	0.34			
SR4	8/2/2019 14:17	0.28				SR12	8/2/2019 14:17	0.34			
SR4	8/2/2019 14:37	0.30				SR12	8/2/2019 14:37	0.34			
SR4	8/2/2019 14:57	0.30				SR12	8/2/2019 14:57	0.36			
SR4	8/2/2019 15:17	0.30				SR12	8/2/2019 15:17	0.36			
SR4	8/2/2019 15:37	0.27				SR12	8/2/2019 15:37	0.34			
SR4	8/2/2019 15:57	0.27				SR12	8/2/2019 15:57	0.35			
SR4	8/2/2019 16:17	0.28				SR12	8/2/2019 16:17	0.35			
SR4	8/2/2019 16:37	0.30				SR12	8/2/2019 16:37	0.36			
SR4	8/2/2019 16:57	0.29				SR12	8/2/2019 16:57	0.35			
SR4	8/2/2019 17:17	0.29				SR12	8/2/2019 17:17	0.34			
SR4	8/2/2019 17:37	0.30				SR12	8/2/2019 17:37	0.36			
SR4	8/2/2019 17:57	0.30				SR12	8/2/2019 17:57	0.36			
SR4	8/2/2019 18:17	0.30				SR12	8/2/2019 18:17	0.35			
SR4	8/2/2019 18:37	0.29				SR12	8/2/2019 18:37	0.35			
SR4	8/2/2019 18:57	0.29				SR12	8/2/2019 18:57	0.34			
SR4	8/2/2019 19:17	0.29				SR12	8/2/2019 19:17	0.36			
SR4	8/2/2019 19:37	0.30				SR12	8/2/2019 19:37	0.38			
SR4	8/2/2019 19:57	0.29				SR12	8/2/2019 19:57	0.38			
SR4	8/2/2019 20:17	0.29				SR12	8/2/2019 20:17	0.38			
SR4	8/2/2019 20:37	0.31				SR12	8/2/2019 20:37	0.37			
SR4	8/2/2019 20:57	0.30				SR12	8/2/2019 20:57	0.39			
SR4	8/2/2019 21:17	0.31				SR12	8/2/2019 21:17	0.39			
SR4	8/2/2019 21:37	0.31				SR12	8/2/2019 21:37	0.39			
SR4	8/2/2019 21:57	0.32				SR12	8/2/2019 21:57	0.39			
SR4	8/2/2019 22:17	0.32				SR12	8/2/2019 22:17	0.39			
SR4	8/2/2019 22:37	0.29				SR12	8/2/2019 22:37	0.37			
SR4	8/2/2019 22:57	0.30				SR12	8/2/2019 22:57	0.37			
SR4	8/2/2019 23:17	0.32				SR12	8/2/2019 23:17	0.39			
SR4	8/2/2019 23:37	0.29				SR12	8/2/2019 23:37	0.38			
SR4	8/2/2019 23:57	0.32				SR12	8/2/2019 23:57	0.40			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH₃-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR4 monitoring station was under maintenance during 12:16-13:26.
 SR12 monitoring station was under maintenance during 9:56-11:01.
 SR13 monitoring station was under maintenance during 15:20-15:55.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/3/2019 0:01	26.64	66.9	4.62	9.7	SR4	8/3/2019 6:01	26.54	60.5	4.16	9.3	SR4	8/3/2019 12:01	26.74	59.6	4.09	5.7	SR4	8/3/2019 18:01	25.54	97.0	7.92	6.0
SR4	8/3/2019 0:06	26.68	64.8	4.47	9.0	SR4	8/3/2019 6:06	26.56	56.5	3.89	8.7	SR4	8/3/2019 12:06	26.74	57.4	3.94	5.7	SR4	8/3/2019 18:06	25.57	97.0	7.91	5.9
SR4	8/3/2019 0:11	26.66	63.1	4.35	8.9	SR4	8/3/2019 6:11	26.55	55.6	3.83	9.6	SR4	8/3/2019 12:11	26.76	59.5	4.08	5.7	SR4	8/3/2019 18:11	25.58	97.0	7.91	6.0
SR4	8/3/2019 0:16	26.64	62.7	4.33	8.6	SR4	8/3/2019 6:16	26.54	60.0	4.15	9.3	SR4	8/3/2019 12:16	26.74	57.8	3.96	5.5	SR4	8/3/2019 18:16	25.50	97.1	7.93	5.9
SR4	8/3/2019 0:21	26.63	64.0	4.42	9.0	SR4	8/3/2019 6:21	26.54	54.8	3.79	9.6	SR4	8/3/2019 12:21	26.72	57.5	3.94	5.4	SR4	8/3/2019 18:21	25.61	97.1	7.92	5.5
SR4	8/3/2019 0:26	26.63	61.6	4.26	8.6	SR4	8/3/2019 6:26	26.56	55.3	3.81	9.8	SR4	8/3/2019 12:26	26.74	57.9	3.97	5.2	SR4	8/3/2019 18:26	25.60	97.0	7.91	6.0
SR4	8/3/2019 0:31	26.64	60.7	4.19	8.8	SR4	8/3/2019 6:31	26.55	54.9	3.78	5.5	SR4	8/3/2019 12:31	26.74	58.0	3.98	5.4	SR4	8/3/2019 18:31	25.61	97.1	7.91	6.1
SR4	8/3/2019 0:36	26.62	59.5	4.11	9.0	SR4	8/3/2019 6:36	26.53	59.5	4.10	5.7	SR4	8/3/2019 12:36	26.74	58.2	3.99	5.4	SR4	8/3/2019 18:36	25.64	97.0	7.90	6.1
SR4	8/3/2019 0:41	26.62	60.6	4.19	9.1	SR4	8/3/2019 6:41	26.49	60.5	4.16	6.4	SR4	8/3/2019 12:41	26.77	59.9	4.10	5.3	SR4	8/3/2019 18:41	25.69	97.0	7.90	6.2
SR4	8/3/2019 0:46	26.61	61.8	4.27	9.4	SR4	8/3/2019 6:46	26.50	61.7	4.24	6.1	SR4	8/3/2019 12:46	26.75	57.9	3.97	5.1	SR4	8/3/2019 18:46	25.62	97.1	7.91	6.1
SR4	8/3/2019 0:51	26.62	60.7	4.20	9.3	SR4	8/3/2019 6:51	26.53	57.6	3.96	5.6	SR4	8/3/2019 12:51	26.78	55.9	3.83	6.9	SR4	8/3/2019 18:51	25.83	97.0	7.87	6.8
SR4	8/3/2019 0:56	26.62	58.8	4.07	8.8	SR4	8/3/2019 6:56	26.53	58.3	4.01	5.1	SR4	8/3/2019 12:56	26.73	56.1	3.84	5.1	SR4	8/3/2019 18:56	25.81	97.0	7.88	6.7
SR4	8/3/2019 1:01	26.63	50.6	4.43	9.6	SR4	8/3/2019 7:01	26.50	60.2	4.14	5.9	SR4	8/3/2019 13:01	26.71	60.5	4.44	14.8	SR4	8/3/2019 19:01	25.96	97.0	7.86	7.4
SR4	8/3/2019 1:06	26.65	60.4	4.17	9.4	SR4	8/3/2019 7:06	26.52	59.8	4.11	10.4	SR4	8/3/2019 13:06	26.69	54.8	4.11	5.3	SR4	8/3/2019 19:06	26.06	97.5	7.88	7.6
SR4	8/3/2019 1:11	26.64	53.6	4.50	9.3	SR4	8/3/2019 7:11	26.50	58.7	4.03	5.1	SR4	8/3/2019 13:11	26.69	51.9	4.96	5.2	SR4	8/3/2019 19:11	26.02	96.4	7.80	12.7
SR4	8/3/2019 1:16	26.63	55.6	3.87	5.1	SR4	8/3/2019 7:16	26.50	58.2	4.00	5.4	SR4	8/3/2019 13:16	26.72	52.8	4.64	9.9	SR4	8/3/2019 19:16	25.95	97.4	7.89	7.2
SR4	8/3/2019 1:21	26.64	60.0	4.16	9.6	SR4	8/3/2019 7:21	26.51	56.8	3.90	5.4	SR4	8/3/2019 13:21	26.77	54.8	4.95	9.9	SR4	8/3/2019 19:21	26.10	96.4	7.79	6.0
SR4	8/3/2019 1:26	26.65	62.6	4.33	9.1	SR4	8/3/2019 7:26	26.51	57.8	3.97	5.1	SR4	8/3/2019 13:26	26.78	51.8	4.87	9.6	SR4	8/3/2019 19:26	26.23	91.6	7.39	18.1
SR4	8/3/2019 1:31	26.65	63.7	4.41	5.2	SR4	8/3/2019 7:31	26.50	57.8	3.97	5.8	SR4	8/3/2019 13:31	26.77	55.6	3.81	5.1	SR4	8/3/2019 19:31	26.79	89.7	7.15	19.1
SR4	8/3/2019 1:36	26.64	58.5	4.06	9.6	SR4	8/3/2019 7:36	26.50	58.1	3.99	5.7	SR4	8/3/2019 13:36	26.79	57.3	3.93	9.5	SR4	8/3/2019 19:36	26.93	79.7	6.33	14.3
SR4	8/3/2019 1:41	26.64	58.2	4.04	6.1	SR4	8/3/2019 7:41	26.48	56.1	3.85	6.5	SR4	8/3/2019 13:41	26.62	54.5	4.39	5.3	SR4	8/3/2019 19:41	27.01	77.0	6.11	6.4
SR4	8/3/2019 1:46	26.64	58.4	4.05	17.9	SR4	8/3/2019 7:46	26.48	57.8	3.97	7.1	SR4	8/3/2019 13:46	26.61	55.6	3.81	5.8	SR4	8/3/2019 19:46	27.03	74.4	5.17	8.3
SR4	8/3/2019 1:51	26.65	61.6	4.26	5.1	SR4	8/3/2019 7:51	26.48	57.8	3.97	6.5	SR4	8/3/2019 13:51	26.60	55.0	4.85	5.5	SR4	8/3/2019 19:51	27.05	74.3	5.47	8.8
SR4	8/3/2019 1:56	26.66	64.1	4.44	5.1	SR4	8/3/2019 7:56	26.47	57.8	3.97	6.6	SR4	8/3/2019 13:56	26.59	54.6	4.43	6.1	SR4	8/3/2019 19:56	27.04	74.1	5.15	8.7
SR4	8/3/2019 2:01	26.66	60.1	4.15	5.6	SR4	8/3/2019 8:01	26.47	58.1	3.99	6.6	SR4	8/3/2019 14:01	26.56	55.7	3.82	6.5	SR4	8/3/2019 20:01	27.04	74.2	5.16	8.7
SR4	8/3/2019 2:06	26.65	59.5	4.12	5.1	SR4	8/3/2019 8:06	26.47	56.4	3.87	6.6	SR4	8/3/2019 14:06	26.57	55.1	3.78	6.0	SR4	8/3/2019 20:06	27.05	73.4	5.10	8.7
SR4	8/3/2019 2:11	26.64	58.7	4.07	9.7	SR4	8/3/2019 8:11	26.47	54.8	4.46	6.5	SR4	8/3/2019 14:11	26.56	55.9	3.83	6.3	SR4	8/3/2019 20:11	27.05	72.3	5.02	8.8
SR4	8/3/2019 2:16	26.64	57.3	3.97	5.1	SR4	8/3/2019 8:16	26.46	55.9	3.84	7.2	SR4	8/3/2019 14:16	26.54	55.5	3.80	6.0	SR4	8/3/2019 20:16	27.03	69.1	4.79	9.3
SR4	8/3/2019 2:21	26.66	59.7	4.13	5.1	SR4	8/3/2019 8:21	26.46	56.1	3.85	6.9	SR4	8/3/2019 14:21	26.59	55.7	3.81	7.2	SR4	8/3/2019 20:21	27.02	68.3	4.74	9.0
SR4	8/3/2019 2:26	26.66	56.9	3.93	13.0	SR4	8/3/2019 8:26	26.46	55.0	4.26	6.7	SR4	8/3/2019 14:26	26.53	54.5	4.54	6.5	SR4	8/3/2019 20:26	27.01	68.4	4.74	5.1
SR4	8/3/2019 2:31	26.66	54.3	4.23	9.4	SR4	8/3/2019 8:31	26.45	55.5	3.80	7.0	SR4	8/3/2019 14:31	26.55	55.9	3.83	6.2	SR4	8/3/2019 20:31	26.97	66.7	4.61	9.7
SR4	8/3/2019 2:36	26.66	54.8	3.79	5.1	SR4	8/3/2019 8:36	26.45	53.5	4.95	7.3	SR4	8/3/2019 14:36	26.62	54.4	4.19	5.4	SR4	8/3/2019 20:36	26.95	65.5	4.52	9.7
SR4	8/3/2019 2:41	26.65	47.0	4.92	8.8	SR4	8/3/2019 8:41	26.45	56.1	3.85	6.8	SR4	8/3/2019 14:41	26.62	55.2	3.78	5.3	SR4	8/3/2019 20:41	26.95	64.8	4.48	8.8
SR4	8/3/2019 2:46	26.66	50.4	4.39	9.2	SR4	8/3/2019 8:46	26.45	55.7	3.82	7.0	SR4	8/3/2019 14:46	26.65	50.8	4.14	9.7	SR4	8/3/2019 20:46	26.93	64.8	4.47	5.2
SR4	8/3/2019 2:51	26.67	57.6	3.98	9.9	SR4	8/3/2019 8:51	26.45	55.2	3.78	6.5	SR4	8/3/2019 14:51	26.64	49.5	4.12	9.7	SR4	8/3/2019 20:51	26.87	62.7	4.32	6.0
SR4	8/3/2019 2:56	26.63	51.0	4.21	9.5	SR4	8/3/2019 8:56	26.45	55.5	3.80	7.4	SR4	8/3/2019 14:56	26.62	51.1	4.66	5.2	SR4	8/3/2019 20:56	26.95	62.8	4.34	8.4
SR4	8/3/2019 3:01	26.66	52.1	4.51	9.1	SR4	8/3/2019 9:01	26.45	52.1	4.79	6.5	SR4	8/3/2019 15:01	26.61	53.7	4.57	5.6	SR4	8/3/2019 21:01	26.63	64.8	4.48	5.5
SR4	8/3/2019 3:06	26.66	52.8	4.70	9.6	SR4	8/3/2019 9:06	26.46	54.0	4.25	6.4	SR4	8/3/2019 15:06	26.60	54.0	4.21	5.6	SR4	8/3/2019 21:06	26.88	64.6	4.45	5.9
SR4	8/3/2019 3:11	26.66	48.6	4.95	9.1	SR4	8/3/2019 9:11	26.45	57.4	3.93	17.0	SR4	8/3/2019 15:11	26.59	52.5	4.96	5.7	SR4	8/3/2019 21:11	26.89	62.6	4.32	8.9
SR4	8/3/2019 3:16	26.66	54.2	4.43	5.1	SR4	8/3/2019 9:16	26.45	55.7	3.82	6.4	SR4	8/3/2019 15:16	26.61	49.5	4.35	5.4	SR4	8/3/2019 21:16	26.89	64.0	4.41	5.1
SR4	8/3/2019 3:21	26.66	52.2	3.94	9.9	SR4	8/3/2019 9:21	26.45	56.0	3.84	6.5	SR4	8/3/2019 15:21	26.62	52.7	4.21	5.2	SR4	8/3/2019 21:21	26.90	60.6	4.18	8.8
SR4	8/3/2019 3:26	26.66	50.3	4.76	9.5	SR4	8/3/2019 9:26	26.45	54.7	4.26	7.6	SR4	8/3/2019 15:26	26.68	39.8	4.32	9.2	SR4	8/3/2019 21:26	26.86	59.9	4.13	9.5
SR4	8/3/2019 3:31	26.64	52.6	4.81	9.9	SR4	8/3/2019 9:31	26.44	54.2	4.68	6.7	SR4	8/3/2019 15:31	26.65	45.2	4.55	9.9	SR4	8/3/2019 21:31	26.86	59.8	4.12	9.7
SR4	8/3/2019 3:36	26.61	55.3	3.81	9.6	SR4	8/3/2019 9:36	26.44	52.3	4.12	6.5	SR4	8/3/2019 15:36	26.64	50.3	4.22	5.6	SR4	8/3/2019 21:36	26.85	59.6	4.11	5.3
SR4	8/3/2019 3:41	26.61	52.0	4.50	9.3	SR4	8/3/2019 9:41	26.44	54.0	4.39	6.7	SR4	8/3/2019 15:41	26.63	54.3	4.70	5.4	SR4	8/3/2019 21:41	26.81	58.0	3.99	9.9
SR4	8/3/2019 3:46	26.64	45.4	4.94	8.4	SR4	8/3/2019 9:46	26.45	53.9	4.97	6.5	SR4	8/3/2019 15:46	26.67	45.7	4.54	8.2	SR4	8/3/2019 21:46	26.82	56.9	3.91	5.4
SR4	8/3/2019 3:51	26.62	52.4	4.90	9.1	SR4	8/3/2019 9:51	26.45	53.8	4.88	7.0	SR4	8/3/2019 15:51	26.71	59.4	4.07	5.8	SR4	8/3/2019 21:51	26.82	58.4	4.02	5.2
SR4	8/3/2019 3:56	26.62	41.4	4.31	8.8	SR4	8/3/2019 9:56	26.53	55.9	3.83	5.9	SR4	8/3/2019 15:56	26.76	64.2	4.40	5.6	SR4	8/3/2019 21:56	26.82	57.1	3.93	9.7
SR4	8/3/2019 4:																						

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/3/2019 0:00	26.40	65.8	5.35	2.5	SR5	8/3/2019 6:00	26.91	65.6	5.32	4.2	SR5	8/3/2019 18:00	27.09	67.1	5.44	4.6	SR5	8/3/2019 18:00	27.09	67.1	5.44	4.6
SR5	8/3/2019 0:05	26.44	65.1	5.28	7.5	SR5	8/3/2019 6:05	26.91	65.4	5.32	6.5	SR5	8/3/2019 18:05	27.12	68.0	5.55	5.4	SR5	8/3/2019 18:05	27.12	68.0	5.55	5.4
SR5	8/3/2019 0:10	26.44	65.5	5.31	4.5	SR5	8/3/2019 6:10	26.90	64.8	5.26	4.1	SR5	8/3/2019 18:10	27.11	68.1	5.55	7.4	SR5	8/3/2019 18:10	27.11	68.1	5.55	7.4
SR5	8/3/2019 0:15	26.43	65.1	5.27	4.6	SR5	8/3/2019 6:15	26.91	65.2	5.29	3.8	SR5	8/3/2019 18:15	27.11	67.0	5.47	7.3	SR5	8/3/2019 18:15	27.11	67.0	5.47	7.3
SR5	8/3/2019 0:20	26.41	65.2	5.31	4.5	SR5	8/3/2019 6:20	26.91	65.5	5.30	5.4	SR5	8/3/2019 18:20	27.11	67.6	5.48	3.5	SR5	8/3/2019 18:20	27.11	67.6	5.48	3.5
SR5	8/3/2019 0:25	26.41	64.8	5.25	4.6	SR5	8/3/2019 6:25	26.90	65.8	5.34	3.1	SR5	8/3/2019 18:25	27.11	67.8	5.53	3.4	SR5	8/3/2019 18:25	27.11	67.8	5.53	3.4
SR5	8/3/2019 0:30	26.41	65.1	5.28	7.5	SR5	8/3/2019 6:30	26.90	65.7	5.33	7.1	SR5	8/3/2019 18:30	27.11	67.0	5.43	5.0	SR5	8/3/2019 18:30	27.11	67.0	5.43	5.0
SR5	8/3/2019 0:35	26.52	64.7	5.25	4.0	SR5	8/3/2019 6:35	26.90	64.8	5.25	4.2	SR5	8/3/2019 18:35	27.17	68.2	5.56	4.3	SR5	8/3/2019 18:35	27.17	68.2	5.56	4.3
SR5	8/3/2019 0:40	26.52	65.3	5.28	4.1	SR5	8/3/2019 6:40	26.89	65.6	5.32	5.8	SR5	8/3/2019 18:40	27.14	67.8	5.50	7.7	SR5	8/3/2019 18:40	27.14	67.8	5.50	7.7
SR5	8/3/2019 0:45	26.50	64.9	5.26	2.3	SR5	8/3/2019 6:45	26.89	65.1	5.27	7.2	SR5	8/3/2019 18:45	27.12	66.9	5.44	5.8	SR5	8/3/2019 18:45	27.12	66.9	5.44	5.8
SR5	8/3/2019 0:50	26.49	65.0	5.29	4.9	SR5	8/3/2019 6:50	26.85	65.3	5.30	5.3	SR5	8/3/2019 18:50	27.11	67.7	5.52	6.1	SR5	8/3/2019 18:50	27.11	67.7	5.52	6.1
SR5	8/3/2019 0:55	26.49	65.7	5.33	3.8	SR5	8/3/2019 6:55	26.83	64.9	5.26	6.7	SR5	8/3/2019 18:55	27.12	66.5	5.40	2.0	SR5	8/3/2019 18:55	27.12	66.5	5.40	2.0
SR5	8/3/2019 1:00	26.48	64.5	5.23	4.2	SR5	8/3/2019 7:00	26.82	65.5	5.33	5.3	SR5	8/3/2019 19:00	27.13	66.7	5.43	7.1	SR5	8/3/2019 19:00	27.13	66.7	5.43	7.1
SR5	8/3/2019 1:05	26.48	65.4	5.29	5.2	SR5	8/3/2019 7:05	26.77	65.3	5.29	4.1	SR5	8/3/2019 19:05	27.13	66.8	5.43	4.8	SR5	8/3/2019 19:05	27.13	66.8	5.43	4.8
SR5	8/3/2019 1:10	26.48	65.0	5.26	6.5	SR5	8/3/2019 7:10	26.74	65.4	5.32	5.1	SR5	8/3/2019 19:10	27.12	67.6	5.53	5.3	SR5	8/3/2019 19:10	27.12	67.6	5.53	5.3
SR5	8/3/2019 1:15	26.48	65.5	5.32	3.3	SR5	8/3/2019 7:15	26.72	65.2	5.28	3.9	SR5	8/3/2019 19:15	27.11	67.3	5.46	7.1	SR5	8/3/2019 19:15	27.11	67.3	5.46	7.1
SR5	8/3/2019 1:20	26.48	64.9	5.25	4.2	SR5	8/3/2019 7:20	26.72	65.4	5.31	5.1	SR5	8/3/2019 19:20	27.12	67.9	5.52	5.7	SR5	8/3/2019 19:20	27.12	67.9	5.52	5.7
SR5	8/3/2019 1:25	26.49	65.3	5.29	6.3	SR5	8/3/2019 7:25	26.70	64.9	5.27	4.1	SR5	8/3/2019 19:25	27.12	67.3	5.47	6.0	SR5	8/3/2019 19:25	27.12	67.3	5.47	6.0
SR5	8/3/2019 1:30	26.48	65.5	5.31	2.9	SR5	8/3/2019 7:30	26.67	65.2	5.29	2.8	SR5	8/3/2019 19:30	27.12	66.8	5.44	3.3	SR5	8/3/2019 19:30	27.12	66.8	5.44	3.3
SR5	8/3/2019 1:35	26.47	65.6	5.33	4.2	SR5	8/3/2019 7:35	26.62	64.6	5.23	5.1	SR5	8/3/2019 19:35	27.11	67.6	5.52	5.2	SR5	8/3/2019 19:35	27.11	67.6	5.52	5.2
SR5	8/3/2019 1:40	26.47	65.3	5.30	6.8	SR5	8/3/2019 7:40	26.56	65.5	5.31	5.3	SR5	8/3/2019 19:40	27.10	67.5	5.52	5.7	SR5	8/3/2019 19:40	27.10	67.5	5.52	5.7
SR5	8/3/2019 1:45	26.49	65.3	5.30	2.5	SR5	8/3/2019 7:45	26.54	64.9	5.27	6.5	SR5	8/3/2019 19:45	27.09	68.0	5.53	4.5	SR5	8/3/2019 19:45	27.09	68.0	5.53	4.5
SR5	8/3/2019 1:50	26.49	65.6	5.32	6.6	SR5	8/3/2019 7:50	26.54	65.0	5.27	3.3	SR5	8/3/2019 19:50	27.09	67.5	5.52	6.0	SR5	8/3/2019 19:50	27.09	67.5	5.52	6.0
SR5	8/3/2019 1:55	26.49	65.0	5.28	6.0	SR5	8/3/2019 7:55	26.55	65.1	5.28	5.9	SR5	8/3/2019 19:55	27.08	68.6	5.59	4.6	SR5	8/3/2019 19:55	27.08	68.6	5.59	4.6
SR5	8/3/2019 2:00	26.50	65.2	5.28	3.9	SR5	8/3/2019 8:00	26.54	64.8	5.25	5.0	SR5	8/3/2019 20:00	27.08	67.5	5.51	4.2	SR5	8/3/2019 20:00	27.08	67.5	5.51	4.2
SR5	8/3/2019 2:05	26.50	65.4	5.31	4.4	SR5	8/3/2019 8:05	26.53	65.6	5.33	4.2	SR5	8/3/2019 20:05	27.07	67.2	5.47	4.3	SR5	8/3/2019 20:05	27.07	67.2	5.47	4.3
SR5	8/3/2019 2:10	26.50	65.0	5.26	5.4	SR5	8/3/2019 8:10	26.53	64.6	5.23	3.2	SR5	8/3/2019 20:10	27.04	65.9	5.35	2.4	SR5	8/3/2019 20:10	27.04	65.9	5.35	2.4
SR5	8/3/2019 2:15	26.51	65.4	5.31	4.6	SR5	8/3/2019 8:15	26.48	65.6	5.32	3.6	SR5	8/3/2019 20:15	26.98	66.8	5.40	5.6	SR5	8/3/2019 20:15	26.98	66.8	5.40	5.6
SR5	8/3/2019 2:20	26.52	65.0	5.28	3.8	SR5	8/3/2019 8:20	26.49	65.4	5.31	2.4	SR5	8/3/2019 20:20	27.08	67.0	5.46	5.2	SR5	8/3/2019 20:20	27.08	67.0	5.46	5.2
SR5	8/3/2019 2:25	26.54	63.4	5.26	4.5	SR5	8/3/2019 8:25	26.44	62.7	5.15	3.8	SR5	8/3/2019 20:25	27.07	67.8	5.55	3.1	SR5	8/3/2019 20:25	27.07	67.8	5.55	3.1
SR5	8/3/2019 2:30	26.53	65.3	5.30	5.7	SR5	8/3/2019 8:30	26.42	65.5	5.33	3.5	SR5	8/3/2019 20:30	27.06	68.5	5.59	5.7	SR5	8/3/2019 20:30	27.06	68.5	5.59	5.7
SR5	8/3/2019 2:35	26.54	65.6	5.33	4.4	SR5	8/3/2019 8:35	26.41	65.3	5.29	3.2	SR5	8/3/2019 20:35	27.06	68.5	5.59	4.0	SR5	8/3/2019 20:35	27.06	68.5	5.59	4.0
SR5	8/3/2019 2:40	26.61	65.3	5.29	3.2	SR5	8/3/2019 8:40	26.41	64.9	5.26	3.4	SR5	8/3/2019 20:40	27.03	68.3	5.55	5.1	SR5	8/3/2019 20:40	27.03	68.3	5.55	5.1
SR5	8/3/2019 2:45	26.58	65.2	5.28	3.0	SR5	8/3/2019 8:45	26.40	65.6	5.32	3.4	SR5	8/3/2019 20:45	27.02	67.2	5.46	7.1	SR5	8/3/2019 20:45	27.02	67.2	5.46	7.1
SR5	8/3/2019 2:50	26.60	65.2	5.30	4.2	SR5	8/3/2019 8:50	26.39	65.1	5.28	3.6	SR5	8/3/2019 20:50	27.01	67.3	5.49	6.1	SR5	8/3/2019 20:50	27.01	67.3	5.49	6.1
SR5	8/3/2019 2:55	26.64	64.8	5.25	4.6	SR5	8/3/2019 8:55	26.40	64.9	5.25	6.5	SR5	8/3/2019 20:55	27.03	67.0	5.45	4.0	SR5	8/3/2019 20:55	27.03	67.0	5.45	4.0
SR5	8/3/2019 3:00	26.63	65.5	5.31	4.9	SR5	8/3/2019 9:00	26.40	64.9	5.25	4.9	SR5	8/3/2019 21:00	27.03	68.3	5.56	4.5	SR5	8/3/2019 21:00	27.03	68.3	5.56	4.5
SR5	8/3/2019 3:05	26.62	65.2	5.28	4.2	SR5	8/3/2019 9:05	26.40	65.1	5.27	4.4	SR5	8/3/2019 21:05	26.98	67.8	5.54	6.3	SR5	8/3/2019 21:05	26.98	67.8	5.54	6.3
SR5	8/3/2019 3:10	26.63	65.3	5.29	4.9	SR5	8/3/2019 9:10	26.38	65.2	5.29	3.4	SR5	8/3/2019 21:10	26.94	68.1	5.56	5.8	SR5	8/3/2019 21:10	26.94	68.1	5.56	5.8
SR5	8/3/2019 3:15	26.63	65.3	5.29	5.7	SR5	8/3/2019 9:15	26.41	65.7	5.33	4.1	SR5	8/3/2019 21:15	26.86	67.8	5.54	7.0	SR5	8/3/2019 21:15	26.86	67.8	5.54	7.0
SR5	8/3/2019 3:20	26.61	65.2	5.30	6.1	SR5	8/3/2019 9:20	26.39	65.0	5.28	3.7	SR5	8/3/2019 21:20	26.80	66.8	5.44	4.8	SR5	8/3/2019 21:20	26.80	66.8	5.44	4.8
SR5	8/3/2019 3:25	26.60	64.7	5.25	6.8	SR5	8/3/2019 9:25	26.37	65.5	5.32	3.5	SR5	8/3/2019 21:25	26.83	67.0	5.47	6.1	SR5	8/3/2019 21:25	26.83	67.0	5.47	6.1
SR5	8/3/2019 3:30	26.61	65.6	5.33	6.2	SR5	8/3/2019 9:30	26.39	65.4	5.32	5.1	SR5	8/3/2019 21:30	26.82	67.3	5.49	7.6	SR5	8/3/2019 21:30	26.82	67.3	5.49	7.6
SR5	8/3/2019 3:35	26.61	65.3	5.29	6.0	SR5	8/3/2019 9:35	26.38	65.7	5.33	4.9	SR5	8/3/2019 21:35	26.76	67.4	5.51	6.9	SR5	8/3/2019 21:35	26.76	67.4	5.51	6.9
SR5	8/3/2019 3:40	26.62	65.1	5.27	5.9	SR5	8/3/2019 9:40	26.36	65.0	5.28	6.6	SR5	8/3/2019 21:40	26.73	67.0	5.46	6.5	SR5	8/3/2019 21:40	26.73	67.0	5.46	6.5
SR5	8/3/2019 3:45	26.67	65.4	5.30	4.8	SR5	8/3/2019 9:45	26.36	65.2	5.28	5.1	SR5	8/3/2019 21:45	26.74	67.9	5.52	4.3	SR5	8/3/2019 21:45	26.74	67.9	5.52	4.3
SR5	8/3/2019 3:50	26.68	65.5	5.32	2.8	SR5	8/3/2019 9:50	26.37	65.7	5.33	3.4	SR5	8/3/2019 21:50	26.71	68.6	5.59	2.9	SR5	8/3/2019 21:50	26.71	68.6	5.59	2.9
SR5	8/3/2019 3:55	26.68	65.1	5.28	5.0	SR5	8/3/2019 9:55	26.37	65.4	5.31	3.6	SR5	8/3/2019 21:55	26.70	67.0	5.44	3.9	SR5	8/3/2019 21:55	26.70	67.0	5.44	3.9
SR5	8/3/2019 4:00	26																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/3/2019 0:01	26.39	64.8	4.85	6.4	SR12	8/3/2019 6:01	26.52	61.7	4.62	6.9	SR12	8/3/2019 12:01	26.60	69.1	5.17	5.9	SR12	8/3/2019 18:01	26.94	68.4	4.81	6.6
SR12	8/3/2019 0:06	26.39	67.3	5.04	6.2	SR12	8/3/2019 6:06	26.51	62.9	4.71	6.2	SR12	8/3/2019 12:06	26.61	62.9	4.71	6.3	SR12	8/3/2019 18:06	26.95	68.8	4.84	7.0
SR12	8/3/2019 0:11	26.40	65.6	4.91	6.4	SR12	8/3/2019 6:11	26.50	64.7	4.84	7.1	SR12	8/3/2019 12:11	26.61	63.2	4.73	6.2	SR12	8/3/2019 18:11	26.95	67.9	5.27	6.9
SR12	8/3/2019 0:16	26.39	62.5	4.68	7.1	SR12	8/3/2019 6:16	26.50	67.5	5.05	7.0	SR12	8/3/2019 12:16	26.62	69.5	5.20	6.9	SR12	8/3/2019 18:16	26.95	67.5	4.76	6.5
SR12	8/3/2019 0:21	26.39	61.6	4.61	6.6	SR12	8/3/2019 6:21	26.50	69.5	5.20	7.0	SR12	8/3/2019 12:21	26.61	68.8	5.15	6.8	SR12	8/3/2019 18:21	26.96	67.1	4.73	7.2
SR12	8/3/2019 0:26	26.40	64.4	4.82	6.8	SR12	8/3/2019 6:26	26.49	69.6	5.21	7.1	SR12	8/3/2019 12:26	26.60	66.0	4.94	6.5	SR12	8/3/2019 18:26	26.97	66.9	4.72	6.0
SR12	8/3/2019 0:31	26.41	69.1	5.17	7.3	SR12	8/3/2019 6:31	26.48	64.8	4.85	6.9	SR12	8/3/2019 12:31	26.60	66.5	4.98	6.5	SR12	8/3/2019 18:31	26.97	66.8	4.71	6.9
SR12	8/3/2019 0:36	26.43	67.3	5.04	7.0	SR12	8/3/2019 6:36	26.47	68.7	5.14	6.4	SR12	8/3/2019 12:36	26.59	62.0	4.64	6.8	SR12	8/3/2019 18:36	26.98	67.4	4.75	7.0
SR12	8/3/2019 0:41	26.45	63.9	4.78	6.8	SR12	8/3/2019 6:41	26.47	67.1	5.02	6.9	SR12	8/3/2019 12:41	26.59	61.6	4.61	6.5	SR12	8/3/2019 18:41	26.98	66.8	4.71	6.5
SR12	8/3/2019 0:46	26.51	66.7	4.99	6.8	SR12	8/3/2019 6:46	26.46	62.0	4.64	7.0	SR12	8/3/2019 12:46	26.58	62.8	4.70	6.7	SR12	8/3/2019 18:46	26.98	66.4	4.68	6.7
SR12	8/3/2019 0:51	26.53	66.1	4.95	6.6	SR12	8/3/2019 6:51	26.46	67.6	5.06	7.5	SR12	8/3/2019 12:51	26.58	64.1	4.80	6.4	SR12	8/3/2019 18:51	26.98	66.8	4.71	7.0
SR12	8/3/2019 0:56	26.53	64.0	4.79	6.9	SR12	8/3/2019 6:56	26.46	68.4	5.12	7.5	SR12	8/3/2019 12:56	26.58	68.5	5.13	6.7	SR12	8/3/2019 18:56	26.98	66.4	4.68	6.7
SR12	8/3/2019 1:01	26.54	62.3	4.66	6.4	SR12	8/3/2019 7:01	26.46	65.3	4.89	7.0	SR12	8/3/2019 13:01	26.58	67.3	5.04	7.0	SR12	8/3/2019 19:01	26.97	65.9	4.65	6.3
SR12	8/3/2019 1:06	26.54	65.7	4.92	6.8	SR12	8/3/2019 7:06	26.45	64.7	4.84	7.6	SR12	8/3/2019 13:06	26.58	63.7	4.77	6.1	SR12	8/3/2019 19:06	26.97	67.6	4.78	6.5
SR12	8/3/2019 1:11	26.56	63.7	4.77	7.0	SR12	8/3/2019 7:11	26.45	68.1	5.10	6.9	SR12	8/3/2019 13:11	26.59	62.4	4.67	5.8	SR12	8/3/2019 19:11	26.98	67.1	4.73	6.1
SR12	8/3/2019 1:16	26.55	63.2	4.73	6.6	SR12	8/3/2019 7:16	26.45	67.6	5.06	7.9	SR12	8/3/2019 13:16	26.59	61.9	4.63	6.5	SR12	8/3/2019 19:16	26.98	67.3	4.75	6.8
SR12	8/3/2019 1:21	26.55	66.7	4.99	7.2	SR12	8/3/2019 7:21	26.44	64.9	4.86	7.0	SR12	8/3/2019 13:21	26.59	66.9	5.01	6.6	SR12	8/3/2019 19:21	26.98	67.6	4.77	7.2
SR12	8/3/2019 1:26	26.55	64.8	4.85	6.2	SR12	8/3/2019 7:26	26.43	66.8	5.00	6.8	SR12	8/3/2019 13:26	26.60	66.4	4.97	6.7	SR12	8/3/2019 19:26	26.98	66.7	4.70	6.3
SR12	8/3/2019 1:31	26.55	68.0	5.09	7.5	SR12	8/3/2019 7:31	26.42	61.7	4.62	7.5	SR12	8/3/2019 13:31	26.59	64.9	4.86	7.2	SR12	8/3/2019 19:31	26.97	67.4	4.75	6.5
SR12	8/3/2019 1:36	26.58	63.5	4.75	6.7	SR12	8/3/2019 7:36	26.43	64.4	4.82	7.5	SR12	8/3/2019 13:36	26.59	64.5	4.83	6.5	SR12	8/3/2019 19:36	26.97	66.9	4.72	6.6
SR12	8/3/2019 1:41	26.57	69.6	5.21	7.0	SR12	8/3/2019 7:41	26.43	68.9	5.16	7.4	SR12	8/3/2019 13:41	26.59	65.2	4.88	6.3	SR12	8/3/2019 19:41	26.95	66.2	4.68	7.2
SR12	8/3/2019 1:46	26.59	69.1	5.17	7.1	SR12	8/3/2019 7:46	26.43	63.3	4.74	6.9	SR12	8/3/2019 13:46	26.59	66.0	4.94	6.8	SR12	8/3/2019 19:46	26.96	64.9	4.68	6.6
SR12	8/3/2019 1:51	26.63	68.4	5.12	6.9	SR12	8/3/2019 7:51	26.43	66.8	5.00	6.8	SR12	8/3/2019 13:51	26.59	62.7	4.69	6.7	SR12	8/3/2019 19:51	26.95	67.2	4.75	6.4
SR12	8/3/2019 1:56	26.61	69.2	5.18	6.4	SR12	8/3/2019 7:56	26.44	64.3	4.81	6.4	SR12	8/3/2019 13:56	26.59	68.0	5.09	6.3	SR12	8/3/2019 19:56	26.95	66.3	4.68	6.9
SR12	8/3/2019 2:01	26.62	69.1	5.17	6.7	SR12	8/3/2019 8:01	26.44	63.2	4.73	7.4	SR12	8/3/2019 14:01	26.59	64.0	4.79	6.4	SR12	8/3/2019 20:01	26.90	65.6	4.63	6.4
SR12	8/3/2019 2:06	26.62	61.5	4.60	6.6	SR12	8/3/2019 8:06	26.44	64.9	4.86	6.3	SR12	8/3/2019 14:06	26.59	66.1	4.95	6.6	SR12	8/3/2019 20:06	26.91	66.1	4.66	5.9
SR12	8/3/2019 2:11	26.63	67.3	5.04	6.7	SR12	8/3/2019 8:11	26.44	68.7	5.14	6.9	SR12	8/3/2019 14:11	26.59	62.4	4.67	6.5	SR12	8/3/2019 20:11	26.87	62.0	4.64	6.6
SR12	8/3/2019 2:16	26.62	62.1	4.65	7.0	SR12	8/3/2019 8:16	26.44	61.5	4.60	6.3	SR12	8/3/2019 14:16	26.60	69.3	5.19	6.5	SR12	8/3/2019 20:16	26.92	65.2	4.61	6.2
SR12	8/3/2019 2:21	26.62	69.1	5.17	6.8	SR12	8/3/2019 8:21	26.45	62.1	4.65	7.3	SR12	8/3/2019 14:21	26.58	63.7	4.77	6.6	SR12	8/3/2019 20:21	26.86	61.6	4.61	6.3
SR12	8/3/2019 2:26	26.62	64.9	4.86	7.0	SR12	8/3/2019 8:26	26.46	66.0	4.94	7.4	SR12	8/3/2019 14:26	26.58	63.6	4.76	6.0	SR12	8/3/2019 20:26	26.78	67.1	5.02	6.5
SR12	8/3/2019 2:31	26.63	62.4	4.67	6.7	SR12	8/3/2019 8:31	26.46	64.9	4.86	6.8	SR12	8/3/2019 14:31	26.59	62.5	4.68	7.0	SR12	8/3/2019 20:31	26.76	64.8	4.85	6.3
SR12	8/3/2019 2:36	26.62	63.2	4.73	8.2	SR12	8/3/2019 8:36	26.46	65.3	4.89	6.7	SR12	8/3/2019 14:36	26.59	64.8	4.85	6.5	SR12	8/3/2019 20:36	26.75	61.3	4.59	6.3
SR12	8/3/2019 2:41	26.62	68.9	5.16	6.9	SR12	8/3/2019 8:41	26.46	63.5	4.75	7.0	SR12	8/3/2019 14:41	26.59	66.5	4.98	6.7	SR12	8/3/2019 20:41	26.74	68.4	5.12	6.7
SR12	8/3/2019 2:46	26.61	64.3	4.81	7.7	SR12	8/3/2019 8:46	26.46	61.6	4.61	7.0	SR12	8/3/2019 14:46	26.59	68.7	5.14	6.8	SR12	8/3/2019 20:46	26.74	63.6	4.76	6.5
SR12	8/3/2019 2:51	26.62	64.3	4.81	7.4	SR12	8/3/2019 8:51	26.47	61.5	4.60	7.1	SR12	8/3/2019 14:51	26.59	62.4	4.67	6.3	SR12	8/3/2019 20:51	26.73	68.0	5.09	6.7
SR12	8/3/2019 2:56	26.62	67.6	5.06	7.2	SR12	8/3/2019 8:56	26.47	67.7	5.07	6.3	SR12	8/3/2019 14:56	26.59	61.7	4.62	6.5	SR12	8/3/2019 20:56	26.74	62.8	4.70	6.8
SR12	8/3/2019 3:01	26.62	69.5	5.20	7.5	SR12	8/3/2019 9:01	26.48	64.0	4.79	6.3	SR12	8/3/2019 15:01	26.58	69.6	5.21	6.5	SR12	8/3/2019 21:01	26.78	62.0	4.64	6.1
SR12	8/3/2019 3:06	26.62	63.1	4.72	7.4	SR12	8/3/2019 9:06	26.47	63.1	4.72	5.9	SR12	8/3/2019 15:06	26.57	66.8	5.00	6.3	SR12	8/3/2019 21:06	26.84	64.9	4.86	6.1
SR12	8/3/2019 3:11	26.62	66.9	5.01	7.1	SR12	8/3/2019 9:11	26.49	68.8	5.15	5.8	SR12	8/3/2019 15:11	26.57	66.7	4.99	6.6	SR12	8/3/2019 21:11	26.81	64.4	4.82	6.4
SR12	8/3/2019 3:16	26.61	68.8	5.15	7.2	SR12	8/3/2019 9:16	26.49	61.9	4.63	6.5	SR12	8/3/2019 15:16	26.57	62.9	4.71	6.3	SR12	8/3/2019 21:16	26.80	61.7	4.62	5.9
SR12	8/3/2019 3:21	26.62	62.5	4.68	7.2	SR12	8/3/2019 9:21	26.49	66.0	4.94	6.7	SR12	8/3/2019 15:21	26.57	62.9	4.71	6.1	SR12	8/3/2019 21:21	26.83	63.1	4.72	6.2
SR12	8/3/2019 3:26	26.62	62.4	4.67	6.6	SR12	8/3/2019 9:26	26.50	65.5	4.90	6.5	SR12	8/3/2019 15:26	26.56	64.5	4.83	6.0	SR12	8/3/2019 21:26	26.82	63.5	4.75	6.3
SR12	8/3/2019 3:31	26.59	63.2	4.73	7.4	SR12	8/3/2019 9:31	26.48	63.9	4.78	6.7	SR12	8/3/2019 15:31	26.56	62.4	4.67	6.4	SR12	8/3/2019 21:31	26.79	68.8	5.15	6.4
SR12	8/3/2019 3:36	26.58	67.1	5.02	6.6	SR12	8/3/2019 9:36	26.48	66.7	4.99	6.8	SR12	8/3/2019 15:36	26.56	61.3	4.59	6.9	SR12	8/3/2019 21:36	26.78	62.7	4.69	5.9
SR12	8/3/2019 3:41	26.60	65.3	4.89	6.4	SR12	8/3/2019 9:41	26.47	62.3	4.66	7.4	SR12	8/3/2019 15:41	26.56	63.2	4.73	6.8	SR12	8/3/2019 21:41	26.77	69.2	5.18	6.2
SR12	8/3/2019 3:46	26.60	67.1	5.02	7.1	SR12	8/3/2019 9:46	26.47	61.9	4.63	7.0	SR12	8/3/2019 15:46	26.57	62.1	4.65	6.5	SR12	8/3/2019 21:46	26.77	64.3	4.81	5.8
SR12	8/3/2019 3:51	26.56	62.4	4.67	6.5	SR12	8/3/2019 9:51	26.48	66.1	4.95	6.5	SR12	8/3/2019 15:51	26.56	69.6	5.21	6.4	SR12	8/3/2019 21:51	26.77	62.1	4.65	6.0
SR12	8/3/2019 3:56	26.57	68.0	5.09	6.4	SR12	8/3/2019 9:56	26															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/3/2019 0:00	27.30	72.2	5.55	5.6	SR13	8/3/2019 6:00	27.38	70.7	5.45	6.0	SR13	8/3/2019 12:00	27.29	70.2	5.42	6.1	SR13	8/3/2019 18:00	27.81	73.8	5.54	6.2
SR13	8/3/2019 0:05	27.31	71.2	5.48	7.0	SR13	8/3/2019 6:05	27.37	71.7	5.53	6.9	SR13	8/3/2019 12:05	27.30	69.7	5.38	6.2	SR13	8/3/2019 18:05	27.82	73.7	5.55	6.2
SR13	8/3/2019 0:10	27.31	72.6	5.58	6.5	SR13	8/3/2019 6:10	27.36	70.4	5.42	6.3	SR13	8/3/2019 12:10	27.29	69.4	5.35	6.8	SR13	8/3/2019 18:10	27.80	73.9	5.56	7.0
SR13	8/3/2019 0:15	27.32	70.6	5.43	6.2	SR13	8/3/2019 6:15	27.35	71.4	5.50	6.2	SR13	8/3/2019 12:15	27.31	69.0	5.33	5.9	SR13	8/3/2019 18:15	27.80	73.2	5.52	6.8
SR13	8/3/2019 0:20	27.30	73.1	5.62	6.2	SR13	8/3/2019 6:20	27.36	72.7	5.60	6.6	SR13	8/3/2019 12:20	27.31	69.1	5.33	6.6	SR13	8/3/2019 18:20	27.79	73.1	5.50	5.9
SR13	8/3/2019 0:25	27.31	72.7	5.59	6.3	SR13	8/3/2019 6:25	27.36	70.5	5.43	5.7	SR13	8/3/2019 12:25	27.37	69.3	5.35	6.0	SR13	8/3/2019 18:25	27.80	72.5	5.47	5.5
SR13	8/3/2019 0:30	27.33	72.5	5.57	7.1	SR13	8/3/2019 6:30	27.35	72.1	5.55	7.0	SR13	8/3/2019 12:30	27.38	68.2	5.25	6.3	SR13	8/3/2019 18:30	27.79	73.0	5.49	6.0
SR13	8/3/2019 0:35	27.36	72.7	5.59	5.8	SR13	8/3/2019 6:35	27.35	71.2	5.48	5.8	SR13	8/3/2019 12:35	27.42	70.4	5.42	5.4	SR13	8/3/2019 18:35	27.80	73.0	5.50	5.9
SR13	8/3/2019 0:40	27.36	72.8	5.59	6.0	SR13	8/3/2019 6:40	27.32	71.2	5.48	6.7	SR13	8/3/2019 12:40	27.40	68.8	5.31	5.4	SR13	8/3/2019 18:40	27.77	72.6	5.46	6.9
SR13	8/3/2019 0:45	27.35	69.8	5.37	5.3	SR13	8/3/2019 6:45	27.31	71.8	5.53	6.7	SR13	8/3/2019 12:45	27.41	70.7	5.44	5.9	SR13	8/3/2019 18:45	27.76	72.6	5.47	6.1
SR13	8/3/2019 0:50	27.35	72.1	5.55	6.2	SR13	8/3/2019 6:50	27.28	73.4	5.65	6.4	SR13	8/3/2019 12:50	27.42	70.1	5.40	6.4	SR13	8/3/2019 18:50	27.72	72.8	5.60	6.5
SR13	8/3/2019 0:55	27.35	70.1	5.40	6.0	SR13	8/3/2019 6:55	27.29	70.3	5.42	6.5	SR13	8/3/2019 12:55	27.48	72.9	5.60	5.4	SR13	8/3/2019 18:55	27.76	71.9	5.42	4.9
SR13	8/3/2019 1:00	27.34	72.4	5.56	5.9	SR13	8/3/2019 7:00	27.30	70.8	5.47	6.4	SR13	8/3/2019 13:00	27.47	71.0	5.46	5.5	SR13	8/3/2019 19:00	27.73	70.4	5.42	6.7
SR13	8/3/2019 1:05	27.34	71.1	5.47	6.4	SR13	8/3/2019 7:05	27.29	72.2	5.56	6.1	SR13	8/3/2019 13:05	27.48	71.1	5.47	4.8	SR13	8/3/2019 19:05	27.71	72.3	5.56	6.0
SR13	8/3/2019 1:10	27.34	70.0	5.38	6.8	SR13	8/3/2019 7:10	27.29	71.7	5.53	6.1	SR13	8/3/2019 13:10	27.53	70.2	5.41	5.9	SR13	8/3/2019 19:10	27.69	71.7	5.52	6.0
SR13	8/3/2019 1:15	27.34	70.5	5.43	6.2	SR13	8/3/2019 7:15	27.29	71.6	5.51	5.7	SR13	8/3/2019 13:15	27.54	70.4	5.43	6.1	SR13	8/3/2019 19:15	27.68	70.1	5.39	6.7
SR13	8/3/2019 1:20	27.33	74.3	5.71	5.9	SR13	8/3/2019 7:20	27.29	70.8	5.46	6.4	SR13	8/3/2019 13:20	27.53	70.9	5.46	6.2	SR13	8/3/2019 19:20	27.67	73.0	5.62	6.4
SR13	8/3/2019 1:25	27.14	73.3	5.66	7.1	SR13	8/3/2019 7:25	27.29	69.8	5.38	6.0	SR13	8/3/2019 13:25	27.55	71.4	5.49	5.7	SR13	8/3/2019 19:25	27.67	70.9	5.46	6.4
SR13	8/3/2019 1:30	27.26	71.4	5.50	5.8	SR13	8/3/2019 7:30	27.28	69.9	5.38	5.5	SR13	8/3/2019 13:30	27.53	68.8	5.30	6.2	SR13	8/3/2019 19:30	27.65	72.4	5.57	5.6
SR13	8/3/2019 1:35	27.29	73.5	5.66	6.2	SR13	8/3/2019 7:35	27.27	72.1	5.55	5.9	SR13	8/3/2019 13:35	27.54	68.2	5.26	5.9	SR13	8/3/2019 19:35	27.65	70.4	5.43	6.3
SR13	8/3/2019 1:40	27.32	72.4	5.57	7.3	SR13	8/3/2019 7:40	27.24	70.9	5.46	6.1	SR13	8/3/2019 13:40	27.53	71.1	5.47	5.8	SR13	8/3/2019 19:40	27.66	69.9	5.40	6.1
SR13	8/3/2019 1:45	27.33	69.8	5.37	5.7	SR13	8/3/2019 7:45	27.24	70.4	5.42	6.4	SR13	8/3/2019 13:45	27.53	70.2	5.39	6.2	SR13	8/3/2019 19:45	27.68	71.2	5.49	5.7
SR13	8/3/2019 1:50	27.33	71.2	5.48	6.9	SR13	8/3/2019 7:50	27.24	72.8	5.60	5.2	SR13	8/3/2019 13:50	27.53	70.0	5.38	5.5	SR13	8/3/2019 19:50	27.67	70.8	5.47	6.4
SR13	8/3/2019 1:55	27.33	71.6	5.51	6.9	SR13	8/3/2019 7:55	27.24	70.1	5.40	6.4	SR13	8/3/2019 13:55	27.51	68.6	5.28	5.1	SR13	8/3/2019 19:55	27.66	70.1	5.41	5.7
SR13	8/3/2019 2:00	27.35	69.9	5.38	6.1	SR13	8/3/2019 8:00	27.24	71.6	5.51	6.1	SR13	8/3/2019 14:00	27.53	68.3	5.26	5.7	SR13	8/3/2019 20:00	27.67	70.2	5.41	5.7
SR13	8/3/2019 2:05	27.35	70.1	5.40	6.1	SR13	8/3/2019 8:05	27.24	71.6	5.52	5.7	SR13	8/3/2019 14:05	27.52	69.2	5.33	5.5	SR13	8/3/2019 20:05	27.66	70.3	5.42	5.8
SR13	8/3/2019 2:10	27.34	70.3	5.40	6.7	SR13	8/3/2019 8:10	27.23	70.6	5.43	5.5	SR13	8/3/2019 14:10	27.53	68.1	5.25	5.0	SR13	8/3/2019 20:10	27.64	72.8	5.62	5.8
SR13	8/3/2019 2:15	27.34	71.9	5.53	6.0	SR13	8/3/2019 8:15	27.21	71.9	5.54	5.7	SR13	8/3/2019 14:15	27.50	68.0	5.23	6.4	SR13	8/3/2019 20:15	27.64	70.4	5.42	6.2
SR13	8/3/2019 2:20	27.35	71.2	5.48	5.8	SR13	8/3/2019 8:20	27.21	69.4	5.35	5.6	SR13	8/3/2019 14:20	27.48	68.8	5.30	5.7	SR13	8/3/2019 20:20	27.64	72.5	5.58	6.1
SR13	8/3/2019 2:25	27.36	71.3	5.52	6.2	SR13	8/3/2019 8:25	27.18	68.9	5.33	5.9	SR13	8/3/2019 14:25	27.52	68.6	5.28	5.1	SR13	8/3/2019 20:25	27.64	70.8	5.46	5.1
SR13	8/3/2019 2:30	27.34	70.0	5.39	6.4	SR13	8/3/2019 8:30	27.18	71.4	5.51	5.5	SR13	8/3/2019 14:30	27.53	72.2	5.55	5.2	SR13	8/3/2019 20:30	27.64	70.2	5.42	6.1
SR13	8/3/2019 2:35	27.35	72.3	5.56	5.9	SR13	8/3/2019 8:35	27.18	71.8	5.53	5.4	SR13	8/3/2019 14:35	27.53	69.6	5.36	6.1	SR13	8/3/2019 20:35	27.67	73.1	5.64	5.6
SR13	8/3/2019 2:40	27.38	72.4	5.57	5.6	SR13	8/3/2019 8:40	27.17	69.3	5.35	5.6	SR13	8/3/2019 14:40	27.58	69.4	5.34	6.1	SR13	8/3/2019 20:40	27.63	69.8	5.38	6.1
SR13	8/3/2019 2:45	27.37	70.6	5.43	5.6	SR13	8/3/2019 8:45	27.19	72.8	5.61	5.7	SR13	8/3/2019 14:45	27.60	70.6	5.43	6.4	SR13	8/3/2019 20:45	27.63	70.7	5.45	6.8
SR13	8/3/2019 2:50	27.37	72.6	5.59	5.6	SR13	8/3/2019 8:50	27.18	69.9	5.39	5.4	SR13	8/3/2019 14:50	27.59	69.8	5.37	6.7	SR13	8/3/2019 20:50	27.60	72.1	5.56	6.1
SR13	8/3/2019 2:55	27.38	70.8	5.45	6.4	SR13	8/3/2019 8:55	27.18	71.6	5.51	6.5	SR13	8/3/2019 14:55	27.61	71.4	5.49	6.0	SR13	8/3/2019 20:55	27.59	72.5	5.58	5.7
SR13	8/3/2019 3:00	27.38	72.6	5.58	5.9	SR13	8/3/2019 9:00	27.18	71.3	5.49	6.2	SR13	8/3/2019 15:00	27.63	68.6	5.28	5.7	SR13	8/3/2019 21:00	27.58	72.3	5.58	6.0
SR13	8/3/2019 3:05	27.38	70.9	5.45	5.8	SR13	8/3/2019 9:05	27.07	74.3	5.73	6.1	SR13	8/3/2019 15:05	27.64	71.3	5.49	6.2	SR13	8/3/2019 21:05	27.56	69.9	5.40	6.2
SR13	8/3/2019 3:10	27.38	71.5	5.50	6.3	SR13	8/3/2019 9:10	27.09	71.7	5.53	5.6	SR13	8/3/2019 15:10	27.65	71.5	5.49	5.7	SR13	8/3/2019 21:10	27.53	72.6	5.61	6.4
SR13	8/3/2019 3:15	27.37	71.2	5.48	6.3	SR13	8/3/2019 9:15	27.15	72.8	5.61	5.5	SR13	8/3/2019 15:15	27.66	69.2	5.33	4.9	SR13	8/3/2019 21:15	27.52	72.3	5.58	6.5
SR13	8/3/2019 3:20	27.37	70.0	5.39	6.5	SR13	8/3/2019 9:20	27.08	73.7	5.70	5.4	SR13	8/3/2019 15:20	27.66	69.0	5.31	6.3	SR13	8/3/2019 21:20	27.50	70.0	5.40	5.8
SR13	8/3/2019 3:25	27.36	72.0	5.54	6.9	SR13	8/3/2019 9:25	27.14	74.5	5.74	5.6	SR13	8/3/2019 15:25	27.67	70.9	5.33	5.2	SR13	8/3/2019 21:25	27.51	72.7	5.60	6.5
SR13	8/3/2019 3:30	27.36	69.4	5.34	6.6	SR13	8/3/2019 9:30	27.16	73.1	5.64	5.9	SR13	8/3/2019 15:30	27.71	70.6	5.30	6.3	SR13	8/3/2019 21:30	27.48	70.5	5.44	7.0
SR13	8/3/2019 3:35	27.34	71.6	5.50	6.8	SR13	8/3/2019 9:35	27.16	71.3	5.50	5.7	SR13	8/3/2019 15:35	27.76	70.7	5.31	6.3	SR13	8/3/2019 21:35	27.46	72.7	5.61	6.7
SR13	8/3/2019 3:40	27.39	71.0	5.46	6.9	SR13	8/3/2019 9:40	27.15	71.2	5.49	6.4	SR13	8/3/2019 15:40	27.76	70.9	5.32	6.2	SR13	8/3/2019 21:40	27.44	71.6	5.52	6.6
SR13	8/3/2019 3:45	27.41	69.9	5.38	6.2	SR13	8/3/2019 9:45	27.15	72.2	5.56	6.0	SR13	8/3/2019 15:45	27.77	71.1	5.34	5.6	SR13	8/3/2019 21:45	27.45	71.3	5.49	5.9
SR13	8/3/2019 3:50	27.41	70.9	5.46	5.6	SR13	8/3/2019 9:50	27.21	71.3	5.50	5.4	SR13	8/3/2019 15:50	27.76	71.2	5.34	7.0	SR13	8/3/2019 21:50	27.44	70.8	5.47	4.9
SR13	8/3/2019 3:55	27.41	70.3	5.41	6.3	SR13	8/3/2019 9:55	27															

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/3/2019 0:17	0.32				SR12	8/3/2019 0:17	0.37			
SR4	8/3/2019 0:37	0.33				SR12	8/3/2019 0:37	0.37			
SR4	8/3/2019 0:57	0.33				SR12	8/3/2019 0:57	0.38			
SR4	8/3/2019 1:17	0.30				SR12	8/3/2019 1:17	0.38			
SR4	8/3/2019 1:37	0.30				SR12	8/3/2019 1:37	0.38			
SR4	8/3/2019 1:57	0.32				SR12	8/3/2019 1:57	0.37			
SR4	8/3/2019 2:17	0.30				SR12	8/3/2019 2:17	0.39			
SR4	8/3/2019 2:37	0.32				SR12	8/3/2019 2:37	0.41			
SR4	8/3/2019 2:57	0.32				SR12	8/3/2019 2:57	0.42			
SR4	8/3/2019 3:17	0.30				SR12	8/3/2019 3:17	0.42			
SR4	8/3/2019 3:37	0.31				SR12	8/3/2019 3:37	0.41			
SR4	8/3/2019 3:57	0.33				SR12	8/3/2019 3:57	0.40			
SR4	8/3/2019 4:17	0.34				SR12	8/3/2019 4:17	0.42			
SR4	8/3/2019 4:37	0.31				SR12	8/3/2019 4:37	0.42			
SR4	8/3/2019 4:57	0.34				SR12	8/3/2019 4:57	0.40			
SR4	8/3/2019 5:17	0.31				SR12	8/3/2019 5:17	0.40			
SR4	8/3/2019 5:37	0.34				SR12	8/3/2019 5:37	0.42			
SR4	8/3/2019 5:57	0.34				SR12	8/3/2019 5:57	0.40			
SR4						SR12					
SR4	8/3/2019 6:37	0.32				SR12	8/3/2019 6:37	0.44			
SR4	8/3/2019 6:57	0.33				SR12	8/3/2019 6:57	0.45			
SR4	8/3/2019 7:17	0.32				SR12	8/3/2019 7:17	0.42			
SR4	8/3/2019 7:37	0.35				SR12	8/3/2019 7:37	0.45			
SR4	8/3/2019 7:57	0.35				SR12	8/3/2019 7:57	0.44			
SR4	8/3/2019 8:17	0.36				SR12	8/3/2019 8:17	0.44			
SR4	8/3/2019 8:37	0.37				SR12	8/3/2019 8:37	0.45			
SR4	8/3/2019 8:57	0.39				SR12	8/3/2019 8:57	0.46			
SR4	8/3/2019 9:17	0.42				SR12	8/3/2019 9:17	0.44			
SR4	8/3/2019 9:37	0.41				SR12	8/3/2019 9:37	0.41			
SR4	8/3/2019 9:57	0.40				SR12	8/3/2019 9:57	0.42			
SR4	8/3/2019 10:17	0.41				SR12	8/3/2019 10:17	0.41			
SR4	8/3/2019 10:37	0.40				SR12	8/3/2019 10:37	0.41			
SR4	8/3/2019 10:57	0.40				SR12	8/3/2019 10:57	0.40			
SR4	8/3/2019 11:17	0.41				SR12	8/3/2019 11:17	0.42			
SR4	8/3/2019 11:37	0.40				SR12	8/3/2019 11:37	0.42			
SR4	8/3/2019 11:57	0.42				SR12	8/3/2019 11:57	0.41			
SR4	8/3/2019 12:17	0.41				SR12	8/3/2019 12:17	0.42			
SR4	8/3/2019 12:37	0.40				SR12	8/3/2019 12:37	0.43			
SR4	8/3/2019 12:57	0.42				SR12	8/3/2019 12:57	0.42			
SR4	8/3/2019 13:17	0.41				SR12	8/3/2019 13:17	0.41			
SR4	8/3/2019 13:37	0.39				SR12	8/3/2019 13:37	0.42			
SR4	8/3/2019 13:57	0.39				SR12	8/3/2019 13:57	0.41			
SR4	8/3/2019 14:17	0.39				SR12	8/3/2019 14:17	0.42			
SR4	8/3/2019 14:37	0.39				SR12	8/3/2019 14:37	0.41			
SR4	8/3/2019 14:57	0.38				SR12	8/3/2019 14:57	0.42			
SR4	8/3/2019 15:17	0.39				SR12	8/3/2019 15:17	0.42			
SR4	8/3/2019 15:37	0.39				SR12	8/3/2019 15:37	0.41			
SR4	8/3/2019 15:57	0.38				SR12	8/3/2019 15:57	0.41			
SR4	8/3/2019 16:17	0.39				SR12	8/3/2019 16:17	0.42			
SR4	8/3/2019 16:37	0.39				SR12	8/3/2019 16:37	0.41			
SR4	8/3/2019 16:57	0.37				SR12	8/3/2019 16:57	0.42			
SR4	8/3/2019 17:17	0.37				SR12	8/3/2019 17:17	0.41			
SR4	8/3/2019 17:37	0.37				SR12	8/3/2019 17:37	0.42			
SR4	8/3/2019 17:57	0.38				SR12	8/3/2019 17:57	0.41			
SR4	8/3/2019 18:17	0.37				SR12	8/3/2019 18:17	0.42			
SR4	8/3/2019 18:37	0.37				SR12	8/3/2019 18:37	0.40			
SR4	8/3/2019 18:57	0.38				SR12	8/3/2019 18:57	0.39			
SR4	8/3/2019 19:17	0.38				SR12	8/3/2019 19:17	0.37			
SR4	8/3/2019 19:37	0.37				SR12	8/3/2019 19:37	0.38			
SR4	8/3/2019 19:57	0.37				SR12	8/3/2019 19:57	0.38			
SR4	8/3/2019 20:17	0.36				SR12	8/3/2019 20:17	0.37			
SR4	8/3/2019 20:37	0.37				SR12	8/3/2019 20:37	0.36			
SR4	8/3/2019 20:57	0.37				SR12	8/3/2019 20:57	0.36			
SR4	8/3/2019 21:17	0.36				SR12	8/3/2019 21:17	0.36			
SR4	8/3/2019 21:37	0.36				SR12	8/3/2019 21:37	0.37			
SR4	8/3/2019 21:57	0.36				SR12	8/3/2019 21:57	0.37			
SR4	8/3/2019 22:17	0.36				SR12	8/3/2019 22:17	0.36			
SR4	8/3/2019 22:37	0.36				SR12	8/3/2019 22:37	0.37			
SR4	8/3/2019 22:57	0.36				SR12	8/3/2019 22:57	0.37			
SR4	8/3/2019 23:17	0.37				SR12	8/3/2019 23:17	0.37			
SR4	8/3/2019 23:37	0.37				SR12	8/3/2019 23:37	0.37			
SR4	8/3/2019 23:57	0.37				SR12	8/3/2019 23:57	0.37			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR5 monitoring station was under maintenance during 11:45-12:20.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/4/2019 0:01	26.90	63.3	4.39	8.6	SR4	8/4/2019 6:01	26.72	44.0	4.82	8.5	SR4	8/4/2019 12:01	27.21	61.2	4.16	5.1	SR4	8/4/2019 18:01	27.10	96.0	7.60	9.9
SR4	8/4/2019 0:06	26.91	64.2	4.45	8.7	SR4	8/4/2019 6:06	26.70	49.0	4.61	8.8	SR4	8/4/2019 12:06	27.22	62.6	4.26	5.1	SR4	8/4/2019 18:06	25.99	95.4	7.72	8.5
SR4	8/4/2019 0:11	26.93	62.1	4.30	9.3	SR4	8/4/2019 6:11	26.74	50.6	4.78	8.5	SR4	8/4/2019 12:11	27.22	63.0	4.29	5.1	SR4	8/4/2019 18:11	25.73	96.7	7.87	8.1
SR4	8/4/2019 0:16	26.89	65.7	4.56	9.2	SR4	8/4/2019 6:16	26.73	52.2	4.42	9.0	SR4	8/4/2019 12:16	27.21	65.4	4.45	13.4	SR4	8/4/2019 18:16	25.75	92.1	7.49	17.2
SR4	8/4/2019 0:21	26.91	65.4	4.54	8.6	SR4	8/4/2019 6:21	26.75	57.5	3.96	9.0	SR4	8/4/2019 12:21	27.22	63.8	4.35	5.1	SR4	8/4/2019 18:21	25.63	96.6	7.87	8.8
SR4	8/4/2019 0:26	26.92	62.8	4.36	8.3	SR4	8/4/2019 6:26	26.73	55.8	3.85	7.0	SR4	8/4/2019 12:26	27.27	62.4	4.24	5.2	SR4	8/4/2019 18:26	25.58	96.5	7.87	7.8
SR4	8/4/2019 0:31	26.95	62.7	4.35	8.9	SR4	8/4/2019 6:31	26.72	55.0	3.80	9.1	SR4	8/4/2019 12:31	27.20	63.8	4.34	7.7	SR4	8/4/2019 18:31	25.73	97.3	7.91	8.2
SR4	8/4/2019 0:36	26.97	61.4	4.26	8.9	SR4	8/4/2019 6:36	26.73	57.0	3.93	9.0	SR4	8/4/2019 12:36	27.21	62.7	4.27	5.1	SR4	8/4/2019 18:36	25.92	97.3	7.89	8.5
SR4	8/4/2019 0:41	26.98	60.7	4.21	8.8	SR4	8/4/2019 6:41	26.63	51.6	4.56	8.6	SR4	8/4/2019 12:41	27.22	60.4	4.12	5.1	SR4	8/4/2019 18:41	25.92	97.3	7.89	8.6
SR4	8/4/2019 0:46	27.01	60.2	4.16	8.7	SR4	8/4/2019 6:46	26.67	53.1	4.41	8.9	SR4	8/4/2019 12:46	27.29	63.1	4.29	9.7	SR4	8/4/2019 18:46	25.61	97.0	7.91	9.1
SR4	8/4/2019 0:51	27.09	59.8	4.13	8.9	SR4	8/4/2019 6:51	26.71	54.1	4.81	9.1	SR4	8/4/2019 12:51	27.30	61.3	4.17	9.6	SR4	8/4/2019 18:51	25.71	96.7	7.87	8.3
SR4	8/4/2019 0:56	26.99	60.3	4.18	9.4	SR4	8/4/2019 6:56	26.74	56.1	3.87	9.3	SR4	8/4/2019 12:56	27.32	62.7	4.26	9.8	SR4	8/4/2019 18:56	25.48	96.9	7.92	8.1
SR4	8/4/2019 1:01	27.05	60.8	4.20	9.0	SR4	8/4/2019 7:01	26.77	57.6	3.97	5.2	SR4	8/4/2019 13:01	27.31	61.5	4.18	9.3	SR4	8/4/2019 19:01	25.40	96.9	7.93	8.1
SR4	8/4/2019 1:06	27.02	57.7	3.99	8.8	SR4	8/4/2019 7:06	26.76	57.5	3.96	5.2	SR4	8/4/2019 13:06	27.35	63.4	4.31	9.2	SR4	8/4/2019 19:06	25.47	96.7	7.91	8.1
SR4	8/4/2019 1:11	26.96	58.3	4.04	8.6	SR4	8/4/2019 7:11	26.77	58.5	4.02	5.3	SR4	8/4/2019 13:11	27.37	62.6	4.26	9.2	SR4	8/4/2019 19:11	25.59	96.6	7.88	8.2
SR4	8/4/2019 1:16	26.97	56.8	3.94	8.9	SR4	8/4/2019 7:16	26.77	56.1	3.86	9.5	SR4	8/4/2019 13:16	27.41	63.1	4.29	8.9	SR4	8/4/2019 19:16	25.63	96.9	7.90	8.3
SR4	8/4/2019 1:21	26.99	58.0	4.02	9.1	SR4	8/4/2019 7:21	26.77	60.4	4.15	5.2	SR4	8/4/2019 13:21	27.41	62.7	4.25	9.3	SR4	8/4/2019 19:21	25.55	96.9	7.90	8.1
SR4	8/4/2019 1:26	26.99	59.0	4.09	9.1	SR4	8/4/2019 7:26	26.78	57.0	3.93	8.9	SR4	8/4/2019 13:26	27.43	63.6	4.32	7.2	SR4	8/4/2019 19:26	26.10	96.7	7.81	9.0
SR4	8/4/2019 1:31	26.96	58.2	4.04	8.7	SR4	8/4/2019 7:31	26.73	60.5	4.15	5.9	SR4	8/4/2019 13:31	27.42	64.7	4.39	9.0	SR4	8/4/2019 19:31	25.74	97.1	7.89	8.6
SR4	8/4/2019 1:36	26.95	59.8	4.15	9.3	SR4	8/4/2019 7:36	26.74	58.5	4.02	5.5	SR4	8/4/2019 13:36	27.38	64.0	4.35	9.1	SR4	8/4/2019 19:36	25.60	97.0	7.91	8.3
SR4	8/4/2019 1:41	26.97	58.5	4.06	9.2	SR4	8/4/2019 7:41	26.74	58.8	4.03	5.4	SR4	8/4/2019 13:41	27.26	57.9	3.94	9.0	SR4	8/4/2019 19:41	25.46	97.1	7.94	8.2
SR4	8/4/2019 1:46	26.93	56.9	3.95	9.0	SR4	8/4/2019 7:46	26.74	59.8	4.11	5.4	SR4	8/4/2019 13:46	27.26	59.7	4.06	9.8	SR4	8/4/2019 19:46	25.46	97.1	7.94	8.3
SR4	8/4/2019 1:51	26.94	58.1	4.03	9.2	SR4	8/4/2019 7:51	26.75	56.1	3.85	5.1	SR4	8/4/2019 13:51	27.22	58.1	3.95	9.8	SR4	8/4/2019 19:51	25.69	98.1	7.98	8.4
SR4	8/4/2019 1:56	26.94	57.4	3.99	9.1	SR4	8/4/2019 7:56	26.74	59.5	4.08	5.6	SR4	8/4/2019 13:56	26.90	54.8	4.17	5.3	SR4	8/4/2019 19:56	27.20	81.6	6.45	5.8
SR4	8/4/2019 2:01	26.93	56.3	3.91	9.7	SR4	8/4/2019 8:01	26.73	58.4	4.01	5.8	SR4	8/4/2019 14:01	27.13	55.5	3.78	9.6	SR4	8/4/2019 20:01	27.35	75.9	5.70	5.5
SR4	8/4/2019 2:06	26.91	56.5	3.92	9.0	SR4	8/4/2019 8:06	26.73	58.4	4.00	5.7	SR4	8/4/2019 14:06	26.95	52.9	4.25	5.1	SR4	8/4/2019 20:06	27.36	71.1	4.92	6.8
SR4	8/4/2019 2:11	26.92	56.2	3.90	9.6	SR4	8/4/2019 8:11	26.73	58.1	3.98	5.6	SR4	8/4/2019 14:11	27.02	51.7	4.18	9.6	SR4	8/4/2019 20:11	27.35	70.7	4.95	5.4
SR4	8/4/2019 2:16	26.90	56.7	3.94	8.9	SR4	8/4/2019 8:16	26.71	56.6	3.88	6.8	SR4	8/4/2019 14:16	27.05	52.1	4.51	9.4	SR4	8/4/2019 20:16	27.34	70.6	4.88	6.7
SR4	8/4/2019 2:21	26.97	56.8	3.93	9.8	SR4	8/4/2019 8:21	26.69	54.8	4.67	7.4	SR4	8/4/2019 14:21	27.39	56.4	3.84	9.2	SR4	8/4/2019 20:21	27.36	69.3	4.80	8.7
SR4	8/4/2019 2:26	26.98	58.0	4.01	9.5	SR4	8/4/2019 8:26	26.68	55.7	3.80	8.0	SR4	8/4/2019 14:26	26.92	54.8	4.16	5.2	SR4	8/4/2019 20:26	27.54	61.8	4.27	7.4
SR4	8/4/2019 2:31	26.98	59.6	4.12	9.9	SR4	8/4/2019 8:31	26.73	54.9	4.55	5.6	SR4	8/4/2019 14:31	26.95	52.9	4.25	9.6	SR4	8/4/2019 20:31	27.47	63.6	4.39	7.8
SR4	8/4/2019 2:36	26.98	53.5	4.29	9.4	SR4	8/4/2019 8:36	26.70	53.7	4.22	6.9	SR4	8/4/2019 14:36	26.96	54.2	4.57	9.9	SR4	8/4/2019 20:36	27.45	63.3	4.37	8.2
SR4	8/4/2019 2:41	26.97	56.9	3.94	9.6	SR4	8/4/2019 8:41	26.70	53.3	4.70	6.7	SR4	8/4/2019 14:41	27.05	51.1	4.71	9.4	SR4	8/4/2019 20:41	27.45	63.3	4.37	8.8
SR4	8/4/2019 2:46	26.95	58.6	4.06	5.2	SR4	8/4/2019 8:46	26.70	52.8	4.46	7.5	SR4	8/4/2019 14:46	27.01	53.8	4.96	9.7	SR4	8/4/2019 20:46	27.43	64.3	4.44	8.8
SR4	8/4/2019 2:51	26.95	58.4	4.04	12.6	SR4	8/4/2019 8:51	26.68	50.1	4.23	6.9	SR4	8/4/2019 14:51	26.93	53.1	4.83	9.9	SR4	8/4/2019 20:51	27.42	63.1	4.36	8.7
SR4	8/4/2019 2:56	26.96	52.4	4.88	9.6	SR4	8/4/2019 8:56	26.69	50.7	4.96	7.1	SR4	8/4/2019 14:56	27.12	38.9	4.26	8.3	SR4	8/4/2019 20:56	27.41	60.8	4.20	9.5
SR4	8/4/2019 3:01	26.99	49.4	4.18	8.9	SR4	8/4/2019 9:01	26.69	50.8	4.50	7.1	SR4	8/4/2019 15:01	27.24	44.8	4.13	8.9	SR4	8/4/2019 21:01	27.39	62.4	4.30	5.4
SR4	8/4/2019 3:06	26.95	43.2	4.45	7.9	SR4	8/4/2019 9:06	26.69	50.1	4.57	7.2	SR4	8/4/2019 15:06	27.13	48.6	4.82	5.1	SR4	8/4/2019 21:06	27.37	61.1	4.20	5.8
SR4	8/4/2019 3:11	26.93	52.2	4.16	9.0	SR4	8/4/2019 9:11	26.68	50.1	4.51	7.5	SR4	8/4/2019 15:11	27.17	42.3	4.92	8.2	SR4	8/4/2019 21:11	27.33	59.3	4.07	6.3
SR4	8/4/2019 3:16	26.93	51.6	4.90	9.1	SR4	8/4/2019 9:16	26.69	49.8	4.64	6.7	SR4	8/4/2019 15:16	27.26	41.9	4.95	8.5	SR4	8/4/2019 21:16	27.34	59.3	4.07	6.1
SR4	8/4/2019 3:21	26.94	47.8	4.21	8.7	SR4	8/4/2019 9:21	26.68	51.7	4.25	7.6	SR4	8/4/2019 15:21	27.09	53.3	4.37	5.1	SR4	8/4/2019 21:21	27.31	57.3	3.93	6.2
SR4	8/4/2019 3:26	26.89	53.2	4.30	6.1	SR4	8/4/2019 9:26	26.69	49.4	4.89	7.2	SR4	8/4/2019 15:26	27.09	53.3	4.34	9.4	SR4	8/4/2019 21:26	27.31	58.3	4.00	5.6
SR4	8/4/2019 3:31	26.92	51.4	4.52	9.9	SR4	8/4/2019 9:31	26.70	55.9	3.79	8.6	SR4	8/4/2019 15:31	27.21	52.0	4.29	5.8	SR4	8/4/2019 21:31	27.31	58.2	3.99	5.2
SR4	8/4/2019 3:36	26.85	52.9	4.60	5.1	SR4	8/4/2019 9:36	26.70	54.0	4.71	7.1	SR4	8/4/2019 15:36	27.14	53.2	4.84	5.2	SR4	8/4/2019 21:36	27.31	61.8	4.24	9.5
SR4	8/4/2019 3:41	26.84	53.2	4.24	8.4	SR4	8/4/2019 9:41	26.70	51.5	4.91	6.5	SR4	8/4/2019 15:41	27.07	52.7	4.36	9.7	SR4	8/4/2019 21:41	27.30	58.6	4.02	9.3
SR4	8/4/2019 3:46	26.86	47.1	4.87	7.4	SR4	8/4/2019 9:46	26.73	46.6	4.41	6.7	SR4	8/4/2019 15:46	27.09	48.9	4.62	9.9	SR4	8/4/2019 21:46	27.25	57.9	3.96	18.0
SR4	8/4/2019 3:51	26.87	48.5	4.70	8.0	SR4	8/4/2019 9:51	26.70	55.3	4.63	7.9	SR4	8/4/2019 15:51	27.14	52.0	4.94	9.2	SR4	8/4/2019 21:51	27.25	57.1	3.91	9.3
SR4	8/4/2019 3:56	26.85	48.8	4.63	8.2	SR4	8/4/2019 9:56	26.72	53.0	4.19	6.8	SR4	8/4/2019 15:56	27.15	50.3	4.48	9.2	SR4	8/4/2019 21:56	27.26	60.2	4.13	7.2
SR4	8/4/2019 4:01																						

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/4/2019 0:00	26.66	68.3	5.58	6.3	SR5	8/4/2019 6:00	27.08	67.3	5.49	5.2	SR5	8/4/2019 12:00	27.03	70.2	5.63	5.9	SR5	8/4/2019 18:00	27.34	69.7	5.65	5.9
SR5	8/4/2019 0:05	26.68	68.1	5.54	5.1	SR5	8/4/2019 6:05	27.05	67.3	5.48	4.6	SR5	8/4/2019 12:05	26.98	69.8	5.63	6.1	SR5	8/4/2019 18:05	27.31	69.8	5.67	7.3
SR5	8/4/2019 0:10	26.66	67.5	5.49	3.4	SR5	8/4/2019 6:10	27.05	67.1	5.47	4.8	SR5	8/4/2019 12:10	27.04	70.2	5.63	3.1	SR5	8/4/2019 18:10	27.30	70.4	5.65	4.1
SR5	8/4/2019 0:15	26.65	66.6	5.43	5.7	SR5	8/4/2019 6:15	27.03	67.3	5.49	5.9	SR5	8/4/2019 12:15	27.08	69.6	5.60	4.5	SR5	8/4/2019 18:15	27.32	69.9	5.63	6.8
SR5	8/4/2019 0:20	26.67	67.4	5.48	4.9	SR5	8/4/2019 6:20	27.03	67.2	5.46	5.1	SR5	8/4/2019 12:20	27.10	70.3	5.69	4.4	SR5	8/4/2019 18:20	27.27	71.0	5.72	7.2
SR5	8/4/2019 0:25	26.66	67.9	5.54	6.7	SR5	8/4/2019 6:25	27.04	66.5	5.41	3.9	SR5	8/4/2019 12:25	27.09	69.7	5.66	5.2	SR5	8/4/2019 18:25	27.30	69.9	5.67	5.3
SR5	8/4/2019 0:30	26.67	67.0	5.45	5.5	SR5	8/4/2019 6:30	27.04	66.6	5.42	3.9	SR5	8/4/2019 12:30	27.16	70.2	5.63	6.3	SR5	8/4/2019 18:30	27.37	70.6	5.67	6.5
SR5	8/4/2019 0:35	26.66	67.4	5.48	5.1	SR5	8/4/2019 6:35	27.05	66.8	5.43	5.4	SR5	8/4/2019 12:35	27.06	69.3	5.63	6.7	SR5	8/4/2019 18:35	27.37	69.2	5.59	5.8
SR5	8/4/2019 0:40	26.65	68.1	5.56	6.0	SR5	8/4/2019 6:40	27.05	67.2	5.47	4.5	SR5	8/4/2019 12:40	27.11	69.3	5.63	4.9	SR5	8/4/2019 18:40	27.36	69.3	5.63	5.9
SR5	8/4/2019 0:45	26.65	67.8	5.55	5.6	SR5	8/4/2019 6:45	27.05	67.3	5.47	6.8	SR5	8/4/2019 12:45	27.05	70.4	5.69	5.3	SR5	8/4/2019 18:45	27.34	68.0	5.50	3.6
SR5	8/4/2019 0:50	26.65	67.8	5.51	6.3	SR5	8/4/2019 6:50	27.05	66.8	5.45	4.2	SR5	8/4/2019 12:50	27.13	69.5	5.64	5.6	SR5	8/4/2019 18:50	27.34	69.9	5.66	3.5
SR5	8/4/2019 0:55	26.68	66.5	5.42	6.7	SR5	8/4/2019 6:55	27.05	67.5	5.51	7.5	SR5	8/4/2019 12:55	27.35	69.2	5.57	4.8	SR5	8/4/2019 18:55	27.36	70.0	5.67	4.8
SR5	8/4/2019 1:00	26.69	67.6	5.53	6.7	SR5	8/4/2019 7:00	27.06	68.1	5.55	4.3	SR5	8/4/2019 13:00	27.40	70.4	5.69	5.5	SR5	8/4/2019 19:00	27.36	68.6	5.53	5.4
SR5	8/4/2019 1:05	26.68	61.7	4.46	5.9	SR5	8/4/2019 7:05	27.07	67.8	5.52	4.2	SR5	8/4/2019 13:05	27.37	70.5	5.68	6.3	SR5	8/4/2019 19:05	27.36	70.2	5.66	6.2
SR5	8/4/2019 1:10	26.70	67.5	5.47	5.9	SR5	8/4/2019 7:10	27.07	67.8	5.52	4.4	SR5	8/4/2019 13:10	27.20	70.6	5.66	5.5	SR5	8/4/2019 19:10	27.36	69.8	5.61	7.5
SR5	8/4/2019 1:15	26.70	68.3	5.57	6.7	SR5	8/4/2019 7:15	27.07	67.3	5.50	4.8	SR5	8/4/2019 13:15	27.51	68.5	5.55	8.7	SR5	8/4/2019 19:15	27.36	70.2	5.70	6.2
SR5	8/4/2019 1:20	26.68	67.2	5.48	6.2	SR5	8/4/2019 7:20	27.07	67.6	5.51	6.6	SR5	8/4/2019 13:20	27.56	69.6	5.61	5.0	SR5	8/4/2019 19:20	27.35	69.5	5.65	6.1
SR5	8/4/2019 1:25	26.69	67.8	5.52	4.3	SR5	8/4/2019 7:25	27.05	67.7	5.50	7.3	SR5	8/4/2019 13:25	27.31	69.1	5.57	7.0	SR5	8/4/2019 19:25	27.34	70.3	5.63	7.9
SR5	8/4/2019 1:30	26.68	67.3	5.49	5.6	SR5	8/4/2019 7:30	27.03	68.1	5.57	7.9	SR5	8/4/2019 13:30	27.47	70.0	5.64	7.1	SR5	8/4/2019 19:30	27.34	69.0	5.59	2.8
SR5	8/4/2019 1:35	26.68	67.2	5.49	6.0	SR5	8/4/2019 7:35	27.02	67.7	5.52	7.9	SR5	8/4/2019 13:35	27.47	68.5	5.53	7.7	SR5	8/4/2019 19:35	27.38	69.0	5.58	7.7
SR5	8/4/2019 1:40	26.68	68.5	5.58	6.6	SR5	8/4/2019 7:40	27.02	69.1	5.64	4.0	SR5	8/4/2019 13:40	27.40	69.4	5.61	6.7	SR5	8/4/2019 19:40	27.36	69.5	5.61	4.8
SR5	8/4/2019 1:45	26.68	67.8	5.52	5.5	SR5	8/4/2019 7:45	27.01	68.4	5.58	7.0	SR5	8/4/2019 13:45	27.39	70.5	5.71	3.3	SR5	8/4/2019 19:45	27.35	70.3	5.66	6.0
SR5	8/4/2019 1:50	26.68	68.4	5.58	7.5	SR5	8/4/2019 7:50	27.05	68.4	5.58	6.2	SR5	8/4/2019 13:50	27.40	69.8	5.60	5.7	SR5	8/4/2019 19:50	27.35	69.5	5.58	8.4
SR5	8/4/2019 1:55	26.68	67.1	5.45	6.7	SR5	8/4/2019 7:55	26.98	67.5	5.51	6.0	SR5	8/4/2019 13:55	27.54	70.0	5.68	5.5	SR5	8/4/2019 19:55	27.34	67.8	5.49	3.1
SR5	8/4/2019 2:00	26.68	68.0	5.56	5.3	SR5	8/4/2019 8:00	26.99	67.3	5.50	2.6	SR5	8/4/2019 14:00	27.57	70.1	5.67	3.6	SR5	8/4/2019 20:00	27.34	71.4	5.76	7.1
SR5	8/4/2019 2:05	26.69	66.9	5.45	5.3	SR5	8/4/2019 8:05	27.03	68.6	5.60	5.8	SR5	8/4/2019 14:05	27.61	68.5	5.55	5.3	SR5	8/4/2019 20:05	27.34	71.0	5.72	8.1
SR5	8/4/2019 2:10	26.69	68.1	5.57	4.5	SR5	8/4/2019 8:10	26.93	67.3	5.48	4.7	SR5	8/4/2019 14:10	27.49	68.4	5.55	6.0	SR5	8/4/2019 20:10	27.34	70.1	5.66	7.1
SR5	8/4/2019 2:15	26.69	67.7	5.51	3.5	SR5	8/4/2019 8:15	26.84	67.0	5.46	4.8	SR5	8/4/2019 14:15	27.34	68.7	5.56	6.7	SR5	8/4/2019 20:15	27.34	70.6	5.66	5.7
SR5	8/4/2019 2:20	26.69	68.7	5.60	4.1	SR5	8/4/2019 8:20	26.82	68.7	5.62	7.4	SR5	8/4/2019 14:20	27.38	71.2	5.75	6.3	SR5	8/4/2019 20:20	27.34	69.0	5.58	7.5
SR5	8/4/2019 2:25	26.69	67.5	5.51	5.2	SR5	8/4/2019 8:25	26.77	68.5	5.57	4.2	SR5	8/4/2019 14:25	27.32	71.1	5.75	5.4	SR5	8/4/2019 20:25	27.34	70.8	5.69	7.4
SR5	8/4/2019 2:30	26.70	67.7	5.54	5.8	SR5	8/4/2019 8:30	26.80	69.0	5.64	5.0	SR5	8/4/2019 14:30	27.31	70.6	5.71	5.2	SR5	8/4/2019 20:30	27.34	69.9	5.65	4.4
SR5	8/4/2019 2:35	26.71	67.0	5.45	7.4	SR5	8/4/2019 8:35	26.77	67.8	5.50	3.0	SR5	8/4/2019 14:35	27.31	68.8	5.55	5.4	SR5	8/4/2019 20:35	27.33	69.5	5.63	3.7
SR5	8/4/2019 2:40	26.72	68.4	5.58	5.9	SR5	8/4/2019 8:40	26.77	67.4	5.47	5.7	SR5	8/4/2019 14:40	27.36	68.5	5.54	3.9	SR5	8/4/2019 20:40	27.34	69.8	5.67	6.6
SR5	8/4/2019 2:45	26.73	67.3	5.47	4.8	SR5	8/4/2019 8:45	26.78	68.6	5.59	4.5	SR5	8/4/2019 14:45	27.38	70.5	5.66	5.7	SR5	8/4/2019 20:45	27.33	68.8	5.58	5.7
SR5	8/4/2019 2:50	26.75	67.6	5.48	7.9	SR5	8/4/2019 8:50	26.78	69.4	5.66	3.8	SR5	8/4/2019 14:50	27.32	71.4	5.74	6.5	SR5	8/4/2019 20:50	27.31	70.1	5.63	5.4
SR5	8/4/2019 2:55	26.74	68.0	5.55	5.0	SR5	8/4/2019 8:55	26.78	68.1	5.56	4.4	SR5	8/4/2019 14:55	27.32	71.5	5.76	6.8	SR5	8/4/2019 20:55	27.32	70.2	5.67	6.1
SR5	8/4/2019 3:00	26.75	67.2	5.47	5.7	SR5	8/4/2019 9:00	26.78	67.0	5.46	7.0	SR5	8/4/2019 15:00	27.26	70.3	5.65	6.5	SR5	8/4/2019 21:00	27.31	69.0	5.59	7.5
SR5	8/4/2019 3:05	26.78	67.0	5.46	7.7	SR5	8/4/2019 9:05	26.77	67.8	5.55	3.3	SR5	8/4/2019 15:05	27.29	68.0	5.50	4.3	SR5	8/4/2019 21:05	27.31	69.0	5.59	5.5
SR5	8/4/2019 3:10	26.78	67.8	5.53	6.3	SR5	8/4/2019 9:10	26.77	68.2	5.59	5.4	SR5	8/4/2019 15:10	27.27	68.6	5.57	4.4	SR5	8/4/2019 21:10	27.29	70.5	5.69	5.1
SR5	8/4/2019 3:15	26.81	68.1	5.55	5.0	SR5	8/4/2019 9:15	26.76	68.5	5.60	7.8	SR5	8/4/2019 15:15	27.24	69.5	5.60	6.2	SR5	8/4/2019 21:15	27.29	70.9	5.70	6.0
SR5	8/4/2019 3:20	26.81	67.5	5.48	7.0	SR5	8/4/2019 9:20	26.75	68.2	5.55	4.6	SR5	8/4/2019 15:20	27.23	69.1	5.57	7.3	SR5	8/4/2019 21:20	27.28	70.0	5.68	3.7
SR5	8/4/2019 3:25	26.81	67.0	5.46	6.0	SR5	8/4/2019 9:25	26.72	66.7	5.43	5.2	SR5	8/4/2019 15:25	27.22	68.2	5.51	5.4	SR5	8/4/2019 21:25	27.27	69.4	5.61	5.6
SR5	8/4/2019 3:30	26.82	68.0	5.56	7.2	SR5	8/4/2019 9:30	26.71	67.0	5.47	5.9	SR5	8/4/2019 15:30	27.43	71.5	5.76	5.3	SR5	8/4/2019 21:30	27.23	68.0	5.49	7.8
SR5	8/4/2019 3:35	26.82	68.5	5.57	5.2	SR5	8/4/2019 9:35	26.71	67.6	5.51	6.6	SR5	8/4/2019 15:35	27.39	70.2	5.69	6.9	SR5	8/4/2019 21:35	27.14	71.1	5.72	5.0
SR5	8/4/2019 3:40	26.83	68.0	5.55	3.5	SR5	8/4/2019 9:40	26.72	68.9	5.61	5.1	SR5	8/4/2019 15:40	27.47	70.9	5.72	6.8	SR5	8/4/2019 21:40	27.22	70.9	5.70	5.6
SR5	8/4/2019 3:45	26.85	67.4	5.47	7.6	SR5	8/4/2019 9:45	26.72	68.2	5.54	4.1	SR5	8/4/2019 15:45	27.54	68.4	5.53	3.6	SR5	8/4/2019 21:45	27.11	68.4	5.52	4.2
SR5	8/4/2019 3:50	26.85	67.8	5.53	5.5	SR5	8/4/2019 9:50	26.73	67.5	5.49	4.7	SR5	8/4/2019 15:50	27.53	68.8	5.59	4.1	SR5	8/4/2019 21:50	27.07	68.2	5.51	5.3
SR5	8/4/2019 3:55	26.86	67.8	5.55	6.1	SR5	8/4/2019 9:55	26.73	68.1	5.59	5.4	SR5	8/4/2019 15:55	27.49	69.2	5.59	6.5	SR5	8/4/2019 21:55	27.07	70.7	5.71	7.7
SR5	8/4/2019 4:00	26																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/4/2019 0:01	26.70	65.3	4.89	6.8	SR12	8/4/2019 6:01	26.75	62.8	4.70	6.6	SR12	8/4/2019 12:01	26.88	69.6	5.21	6.1	SR12	8/4/2019 18:01	27.31	66.0	4.61	5.8
SR12	8/4/2019 0:06	26.72	65.9	4.93	6.7	SR12	8/4/2019 6:06	26.74	64.5	4.83	7.1	SR12	8/4/2019 12:06	26.87	67.5	5.05	6.6	SR12	8/4/2019 18:06	27.31	66.1	4.62	6.6
SR12	8/4/2019 0:11	26.72	67.6	5.06	7.0	SR12	8/4/2019 6:11	26.75	62.0	4.64	6.9	SR12	8/4/2019 12:11	27.06	63.5	4.75	5.7	SR12	8/4/2019 18:11	27.32	66.0	4.61	6.2
SR12	8/4/2019 0:16	26.71	67.2	5.03	6.1	SR12	8/4/2019 6:16	26.75	62.0	4.64	7.9	SR12	8/4/2019 12:16	26.98	66.8	5.15	6.7	SR12	8/4/2019 18:16	27.33	66.9	4.67	5.8
SR12	8/4/2019 0:21	26.71	66.1	4.95	6.8	SR12	8/4/2019 6:21	26.75	63.5	4.75	7.4	SR12	8/4/2019 12:21	26.95	67.2	5.03	6.0	SR12	8/4/2019 18:21	27.34	66.2	4.63	6.3
SR12	8/4/2019 0:26	26.71	67.1	5.02	6.0	SR12	8/4/2019 6:26	26.75	66.8	5.00	6.5	SR12	8/4/2019 12:26	27.09	64.5	4.83	5.9	SR12	8/4/2019 18:26	27.34	66.6	4.66	6.2
SR12	8/4/2019 0:31	26.71	67.7	5.07	6.7	SR12	8/4/2019 6:31	26.75	64.4	4.82	7.9	SR12	8/4/2019 12:31	27.00	69.5	5.20	6.2	SR12	8/4/2019 18:31	27.35	66.8	4.67	6.0
SR12	8/4/2019 0:36	26.72	67.5	5.05	5.8	SR12	8/4/2019 6:36	26.75	63.5	4.75	7.2	SR12	8/4/2019 12:36	26.95	65.5	4.90	5.5	SR12	8/4/2019 18:36	27.35	66.4	4.65	6.3
SR12	8/4/2019 0:41	26.71	65.1	4.87	6.3	SR12	8/4/2019 6:41	26.74	67.9	5.08	5.3	SR12	8/4/2019 12:41	26.97	68.8	5.15	5.9	SR12	8/4/2019 18:41	27.36	66.3	4.64	5.7
SR12	8/4/2019 0:46	26.74	62.1	4.65	6.4	SR12	8/4/2019 6:46	26.74	69.2	5.18	5.8	SR12	8/4/2019 12:46	26.94	61.3	4.59	5.6	SR12	8/4/2019 18:46	27.36	66.5	4.66	5.1
SR12	8/4/2019 0:51	26.76	63.3	4.74	7.0	SR12	8/4/2019 6:51	26.74	65.7	4.92	4.8	SR12	8/4/2019 12:51	26.94	68.1	5.10	5.9	SR12	8/4/2019 18:51	27.36	66.2	4.64	6.4
SR12	8/4/2019 0:56	26.76	67.9	5.08	6.5	SR12	8/4/2019 6:56	26.74	64.8	4.85	5.5	SR12	8/4/2019 12:56	26.97	66.4	4.97	6.2	SR12	8/4/2019 18:56	27.36	66.1	4.64	6.0
SR12	8/4/2019 1:01	26.80	67.9	5.08	6.2	SR12	8/4/2019 7:01	26.73	64.7	4.84	5.7	SR12	8/4/2019 13:01	26.94	64.7	4.84	5.9	SR12	8/4/2019 19:01	27.37	66.1	4.63	5.7
SR12	8/4/2019 1:06	26.83	62.9	4.71	7.1	SR12	8/4/2019 7:06	26.72	63.1	4.72	5.5	SR12	8/4/2019 13:06	26.94	69.1	5.17	6.1	SR12	8/4/2019 19:06	27.37	65.6	4.60	6.3
SR12	8/4/2019 1:11	26.84	64.5	4.83	6.8	SR12	8/4/2019 7:11	26.72	62.8	4.70	5.4	SR12	8/4/2019 13:11	26.95	63.1	4.72	6.6	SR12	8/4/2019 19:11	27.37	65.3	4.58	5.0
SR12	8/4/2019 1:16	26.83	63.3	4.74	6.5	SR12	8/4/2019 7:16	26.70	64.0	4.79	5.3	SR12	8/4/2019 13:16	26.97	61.7	4.62	6.2	SR12	8/4/2019 19:16	27.37	67.7	5.07	5.5
SR12	8/4/2019 1:21	26.84	67.5	5.05	6.1	SR12	8/4/2019 7:21	26.70	66.8	5.00	3.6	SR12	8/4/2019 13:21	26.95	65.7	4.92	6.1	SR12	8/4/2019 19:21	27.37	65.4	4.59	5.7
SR12	8/4/2019 1:26	26.83	68.7	5.14	7.2	SR12	8/4/2019 7:26	26.70	67.6	5.06	5.8	SR12	8/4/2019 13:26	27.00	63.5	4.75	6.1	SR12	8/4/2019 19:26	27.37	62.4	4.67	5.8
SR12	8/4/2019 1:31	26.83	62.9	4.71	7.0	SR12	8/4/2019 7:31	26.70	68.8	5.15	5.8	SR12	8/4/2019 13:31	26.97	65.2	4.88	5.8	SR12	8/4/2019 19:31	27.37	61.3	4.59	5.9
SR12	8/4/2019 1:36	26.84	63.3	4.74	6.6	SR12	8/4/2019 7:36	26.70	62.0	4.64	7.7	SR12	8/4/2019 13:36	26.94	66.6	5.21	5.8	SR12	8/4/2019 19:36	27.37	65.3	4.58	6.0
SR12	8/4/2019 1:41	26.85	63.3	4.74	7.6	SR12	8/4/2019 7:41	26.69	68.9	5.16	6.2	SR12	8/4/2019 13:41	26.95	61.3	4.59	5.9	SR12	8/4/2019 19:41	27.37	62.5	4.68	5.2
SR12	8/4/2019 1:46	26.88	64.5	4.83	7.0	SR12	8/4/2019 7:46	26.69	66.8	5.00	6.9	SR12	8/4/2019 13:46	26.94	64.1	4.80	6.8	SR12	8/4/2019 19:46	27.37	64.4	4.82	5.3
SR12	8/4/2019 1:51	26.87	67.2	5.03	6.5	SR12	8/4/2019 7:51	26.68	62.9	4.71	7.3	SR12	8/4/2019 13:51	26.94	69.6	5.21	6.0	SR12	8/4/2019 19:51	27.36	67.6	5.06	6.0
SR12	8/4/2019 1:56	26.87	65.3	4.89	6.9	SR12	8/4/2019 7:56	26.68	61.5	4.60	6.4	SR12	8/4/2019 13:56	26.94	64.5	4.83	5.9	SR12	8/4/2019 19:56	27.36	65.3	4.59	5.5
SR12	8/4/2019 2:01	26.88	67.6	5.06	7.1	SR12	8/4/2019 8:01	26.68	62.0	4.64	5.4	SR12	8/4/2019 14:01	26.93	68.9	5.16	6.0	SR12	8/4/2019 20:01	27.36	67.6	5.06	5.2
SR12	8/4/2019 2:06	26.89	66.4	4.97	6.9	SR12	8/4/2019 8:06	26.68	65.7	4.92	7.9	SR12	8/4/2019 14:06	26.95	68.3	5.11	5.8	SR12	8/4/2019 20:06	27.37	67.2	5.03	5.3
SR12	8/4/2019 2:11	26.89	61.6	4.61	6.7	SR12	8/4/2019 8:11	26.69	61.7	4.62	7.0	SR12	8/4/2019 14:11	26.96	68.4	5.12	5.5	SR12	8/4/2019 20:11	27.37	68.4	5.12	5.3
SR12	8/4/2019 2:16	26.89	61.7	4.62	7.7	SR12	8/4/2019 8:16	26.69	62.4	4.67	6.1	SR12	8/4/2019 14:16	26.98	63.6	4.76	5.6	SR12	8/4/2019 20:16	27.37	64.8	4.85	6.0
SR12	8/4/2019 2:21	26.89	61.6	4.61	7.1	SR12	8/4/2019 8:21	26.69	64.3	4.81	6.2	SR12	8/4/2019 14:21	27.01	66.7	5.14	1.6	SR12	8/4/2019 20:21	27.37	66.4	4.97	5.8
SR12	8/4/2019 2:26	26.88	67.9	5.08	6.6	SR12	8/4/2019 8:26	26.70	66.4	4.97	5.5	SR12	8/4/2019 14:26	27.00	69.3	5.19	5.0	SR12	8/4/2019 20:26	27.33	61.5	4.60	5.3
SR12	8/4/2019 2:31	26.88	66.4	4.97	6.7	SR12	8/4/2019 8:31	26.71	68.8	5.15	6.7	SR12	8/4/2019 14:31	26.95	69.1	5.17	5.0	SR12	8/4/2019 20:31	27.35	63.1	4.72	5.3
SR12	8/4/2019 2:36	26.89	67.5	5.05	6.8	SR12	8/4/2019 8:36	26.72	61.9	4.63	5.5	SR12	8/4/2019 14:36	27.00	66.7	4.99	5.8	SR12	8/4/2019 20:36	27.35	66.1	4.95	5.7
SR12	8/4/2019 2:41	26.85	65.3	4.89	7.0	SR12	8/4/2019 8:41	26.73	64.0	4.79	6.2	SR12	8/4/2019 14:41	26.94	67.7	5.07	5.8	SR12	8/4/2019 20:41	27.35	68.1	5.10	6.1
SR12	8/4/2019 2:46	26.87	66.1	4.95	6.6	SR12	8/4/2019 8:46	26.73	69.6	5.21	5.9	SR12	8/4/2019 14:46	26.94	69.3	5.19	5.4	SR12	8/4/2019 20:46	27.35	66.3	4.96	6.3
SR12	8/4/2019 2:51	26.87	62.5	4.68	7.2	SR12	8/4/2019 8:51	26.73	63.5	4.75	5.5	SR12	8/4/2019 14:51	26.97	65.2	4.88	5.3	SR12	8/4/2019 20:51	27.29	62.7	4.69	5.9
SR12	8/4/2019 2:56	26.87	64.1	4.80	6.8	SR12	8/4/2019 8:56	26.72	66.1	4.95	5.4	SR12	8/4/2019 14:56	26.96	68.1	5.10	5.6	SR12	8/4/2019 20:56	27.29	61.9	4.63	5.6
SR12	8/4/2019 3:01	26.87	67.1	5.02	7.2	SR12	8/4/2019 9:01	26.72	61.7	4.62	5.4	SR12	8/4/2019 15:01	26.96	66.8	5.00	5.7	SR12	8/4/2019 21:01	27.31	62.0	4.64	1.3
SR12	8/4/2019 3:06	26.87	66.6	4.91	7.3	SR12	8/4/2019 9:06	26.72	62.1	4.65	5.3	SR12	8/4/2019 15:06	26.97	65.6	4.91	5.5	SR12	8/4/2019 21:06	27.23	68.8	5.15	5.7
SR12	8/4/2019 3:11	26.87	66.5	5.13	6.9	SR12	8/4/2019 9:11	26.73	64.7	4.84	5.9	SR12	8/4/2019 15:11	26.94	66.5	4.98	5.8	SR12	8/4/2019 21:11	27.26	62.3	4.66	6.3
SR12	8/4/2019 3:16	26.87	62.5	4.68	7.1	SR12	8/4/2019 9:16	26.72	64.0	4.79	5.4	SR12	8/4/2019 15:16	26.95	61.6	4.61	5.5	SR12	8/4/2019 21:16	27.20	62.4	4.67	6.1
SR12	8/4/2019 3:21	26.87	65.5	4.90	7.4	SR12	8/4/2019 9:21	26.73	62.0	4.64	6.6	SR12	8/4/2019 15:21	26.96	63.3	4.74	5.3	SR12	8/4/2019 21:21	27.20	65.3	4.89	6.0
SR12	8/4/2019 3:26	26.86	62.3	4.66	7.7	SR12	8/4/2019 9:26	26.72	66.9	5.01	6.4	SR12	8/4/2019 15:26	26.97	63.7	4.77	5.8	SR12	8/4/2019 21:26	27.18	67.6	5.06	6.0
SR12	8/4/2019 3:31	26.86	62.3	4.66	7.5	SR12	8/4/2019 9:31	26.73	63.3	4.74	5.8	SR12	8/4/2019 15:31	26.97	65.5	4.90	5.9	SR12	8/4/2019 21:31	27.17	61.9	4.63	5.6
SR12	8/4/2019 3:36	26.86	67.5	5.05	6.8	SR12	8/4/2019 9:36	26.74	62.5	4.68	5.7	SR12	8/4/2019 15:36	26.96	63.3	4.74	6.0	SR12	8/4/2019 21:36	27.18	62.7	4.69	5.3
SR12	8/4/2019 3:41	26.83	65.9	4.93	7.1	SR12	8/4/2019 9:41	26.73	68.3	5.11	6.4	SR12	8/4/2019 15:41	26.97	64.8	4.85	5.5	SR12	8/4/2019 21:41	27.19	64.9	4.86	6.0
SR12	8/4/2019 3:46	26.84	68.5	5.13	7.7	SR12	8/4/2019 9:46	26.73	64.5	4.83	6.6	SR12	8/4/2019 15:46	27.00	67.2	5.03	5.8	SR12	8/4/2019 21:46	27.15	69.2	5.18	6.2
SR12	8/4/2019 3:51	26.84	66.9	5.01	7.3	SR12	8/4/2019 9:51	26.76	68.4	5.12	6.1	SR12	8/4/2019 15:51	26.98	65.7	4.92	5.3	SR12	8/4/2019 21:51	27.12	68.1	5.10	5.4
SR12	8/4/2019 3:56	26.82	69.5	5.20	7.8	SR12	8/4/2019 9:56	26															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/4/2019 0:00	27.43	72.1	5.57	6.3	SR13	8/4/2019 6:00	27.42	68.6	5.31	5.0	SR13	8/4/2019 12:00	27.51	69.9	5.39	6.1	SR13	8/4/2019 18:00	27.93	70.4	5.30	5.9
SR13	8/4/2019 0:05	27.44	72.6	5.60	6.3	SR13	8/4/2019 6:05	27.42	68.7	5.32	5.3	SR13	8/4/2019 12:05	27.52	69.7	5.38	6.3	SR13	8/4/2019 18:05	27.93	69.2	5.34	6.5
SR13	8/4/2019 0:10	27.44	70.0	5.41	5.6	SR13	8/4/2019 6:10	27.41	69.1	5.35	5.6	SR13	8/4/2019 12:10	27.52	69.3	5.34	4.9	SR13	8/4/2019 18:10	27.92	69.0	5.30	5.2
SR13	8/4/2019 0:15	27.44	69.8	5.39	6.0	SR13	8/4/2019 6:15	27.41	66.3	5.14	6.9	SR13	8/4/2019 12:15	27.52	71.1	5.48	5.6	SR13	8/4/2019 18:15	27.93	70.6	5.30	6.5
SR13	8/4/2019 0:20	27.44	70.1	5.41	6.1	SR13	8/4/2019 6:20	27.41	68.9	5.33	5.7	SR13	8/4/2019 12:20	27.52	66.8	5.17	5.5	SR13	8/4/2019 18:20	27.91	69.8	5.37	6.1
SR13	8/4/2019 0:25	27.45	70.5	5.45	6.6	SR13	8/4/2019 6:25	27.42	68.0	5.26	5.6	SR13	8/4/2019 12:25	27.52	67.6	5.24	6.3	SR13	8/4/2019 18:25	27.91	69.8	5.39	5.7
SR13	8/4/2019 0:30	27.45	71.3	5.50	6.3	SR13	8/4/2019 6:30	27.41	66.2	5.13	5.9	SR13	8/4/2019 12:30	27.54	69.5	5.35	6.2	SR13	8/4/2019 18:30	27.93	71.5	5.49	6.1
SR13	8/4/2019 0:35	27.44	70.7	5.45	6.2	SR13	8/4/2019 6:35	27.42	65.6	5.08	6.3	SR13	8/4/2019 12:35	27.51	67.3	5.21	6.3	SR13	8/4/2019 18:35	27.92	69.9	5.26	5.8
SR13	8/4/2019 0:40	27.44	71.8	5.55	6.3	SR13	8/4/2019 6:40	27.41	65.9	5.11	5.5	SR13	8/4/2019 12:40	27.53	69.1	5.34	5.7	SR13	8/4/2019 18:40	27.94	71.3	5.50	5.6
SR13	8/4/2019 0:45	27.45	71.1	5.50	6.4	SR13	8/4/2019 6:45	27.41	67.8	5.24	7.2	SR13	8/4/2019 12:45	27.52	69.2	5.35	5.9	SR13	8/4/2019 18:45	27.93	70.7	5.44	4.9
SR13	8/4/2019 0:50	27.45	69.1	5.34	6.7	SR13	8/4/2019 6:50	27.42	66.1	5.12	5.9	SR13	8/4/2019 12:50	27.55	69.0	5.34	5.9	SR13	8/4/2019 18:50	27.92	71.8	5.53	4.9
SR13	8/4/2019 0:55	27.45	68.7	5.31	6.8	SR13	8/4/2019 6:55	27.42	66.8	5.18	6.8	SR13	8/4/2019 12:55	27.65	67.6	5.21	5.5	SR13	8/4/2019 18:55	27.92	70.4	5.42	5.7
SR13	8/4/2019 1:00	27.46	68.9	5.33	6.6	SR13	8/4/2019 7:00	27.43	67.5	5.23	5.4	SR13	8/4/2019 13:00	27.69	70.8	5.46	4.0	SR13	8/4/2019 19:00	27.92	70.6	5.43	5.6
SR13	8/4/2019 1:05	27.45	69.3	5.14	6.4	SR13	8/4/2019 7:05	27.43	68.4	5.29	5.1	SR13	8/4/2019 13:05	27.69	71.9	5.54	5.9	SR13	8/4/2019 19:05	27.90	69.3	5.34	5.9
SR13	8/4/2019 1:10	27.45	70.6	5.45	6.4	SR13	8/4/2019 7:10	27.43	70.3	5.44	5.7	SR13	8/4/2019 13:10	27.63	72.8	5.60	5.7	SR13	8/4/2019 19:10	27.90	69.9	5.37	6.1
SR13	8/4/2019 1:15	27.45	71.4	5.52	6.7	SR13	8/4/2019 7:15	27.44	67.4	5.22	5.6	SR13	8/4/2019 13:15	27.76	71.5	5.51	7.1	SR13	8/4/2019 19:15	27.91	70.9	5.47	6.3
SR13	8/4/2019 1:20	27.43	69.9	5.40	6.4	SR13	8/4/2019 7:20	27.41	73.0	5.65	6.6	SR13	8/4/2019 13:20	27.75	71.2	5.49	5.6	SR13	8/4/2019 19:20	27.91	71.3	5.50	6.0
SR13	8/4/2019 1:25	27.44	70.3	5.43	5.8	SR13	8/4/2019 7:25	27.41	71.1	5.49	6.6	SR13	8/4/2019 13:25	27.65	70.7	5.45	6.4	SR13	8/4/2019 19:25	27.91	70.5	5.41	7.0
SR13	8/4/2019 1:30	27.43	68.6	5.31	6.4	SR13	8/4/2019 7:30	27.41	68.1	5.28	6.3	SR13	8/4/2019 13:30	27.72	69.5	5.36	6.1	SR13	8/4/2019 19:30	27.88	69.0	5.32	5.2
SR13	8/4/2019 1:35	27.42	69.1	5.35	6.5	SR13	8/4/2019 7:35	27.40	68.3	5.29	6.5	SR13	8/4/2019 13:35	27.71	70.2	5.41	6.7	SR13	8/4/2019 19:35	27.89	68.6	5.29	6.4
SR13	8/4/2019 1:40	27.41	70.4	5.44	6.8	SR13	8/4/2019 7:40	27.41	66.5	5.16	4.9	SR13	8/4/2019 13:40	27.72	71.5	5.51	6.4	SR13	8/4/2019 19:40	27.89	69.1	5.32	4.0
SR13	8/4/2019 1:45	27.41	69.4	5.37	6.6	SR13	8/4/2019 7:45	27.40	66.4	5.15	6.3	SR13	8/4/2019 13:45	27.71	70.3	5.43	4.9	SR13	8/4/2019 19:45	27.83	71.5	5.50	6.0
SR13	8/4/2019 1:50	27.40	70.7	5.47	7.1	SR13	8/4/2019 7:50	27.40	67.7	5.25	6.1	SR13	8/4/2019 13:50	27.70	70.3	5.40	5.8	SR13	8/4/2019 19:50	27.84	68.7	5.29	6.9
SR13	8/4/2019 1:55	27.40	67.5	5.22	6.9	SR13	8/4/2019 7:55	27.37	66.8	5.18	5.8	SR13	8/4/2019 13:55	27.74	68.1	5.26	5.5	SR13	8/4/2019 19:55	27.81	67.9	5.24	5.0
SR13	8/4/2019 2:00	27.40	69.0	5.34	6.3	SR13	8/4/2019 8:00	27.38	66.5	5.16	4.9	SR13	8/4/2019 14:00	27.76	68.1	5.26	5.1	SR13	8/4/2019 20:00	27.79	69.3	5.35	6.6
SR13	8/4/2019 2:05	27.40	67.4	5.21	6.6	SR13	8/4/2019 8:05	27.39	68.6	5.32	6.4	SR13	8/4/2019 14:05	27.76	67.0	5.18	5.9	SR13	8/4/2019 20:05	27.82	71.3	5.49	6.6
SR13	8/4/2019 2:10	27.39	67.6	5.24	6.1	SR13	8/4/2019 8:10	27.35	67.8	5.26	5.4	SR13	8/4/2019 14:10	27.71	67.3	5.20	6.3	SR13	8/4/2019 20:10	27.82	68.7	5.30	6.5
SR13	8/4/2019 2:15	27.39	69.7	5.38	5.4	SR13	8/4/2019 8:15	27.31	67.3	5.22	5.6	SR13	8/4/2019 14:15	27.64	66.0	5.11	6.2	SR13	8/4/2019 20:15	27.82	69.2	5.32	5.6
SR13	8/4/2019 2:20	27.38	68.5	5.30	5.6	SR13	8/4/2019 8:20	27.30	70.6	5.48	6.8	SR13	8/4/2019 14:20	27.67	67.5	5.22	6.1	SR13	8/4/2019 20:20	27.83	69.5	5.36	6.8
SR13	8/4/2019 2:25	27.38	68.6	5.31	6.7	SR13	8/4/2019 8:25	27.29	68.9	5.34	5.8	SR13	8/4/2019 14:25	27.65	68.2	5.27	5.9	SR13	8/4/2019 20:25	27.80	71.8	5.52	6.9
SR13	8/4/2019 2:30	27.37	67.0	5.20	6.5	SR13	8/4/2019 8:30	27.31	70.0	5.43	5.8	SR13	8/4/2019 14:30	27.64	67.6	5.22	5.3	SR13	8/4/2019 20:30	27.79	71.2	5.49	5.2
SR13	8/4/2019 2:35	27.37	71.4	5.51	7.1	SR13	8/4/2019 8:35	27.31	70.1	5.42	5.3	SR13	8/4/2019 14:35	27.62	67.8	5.23	6.0	SR13	8/4/2019 20:35	27.77	67.8	5.24	5.1
SR13	8/4/2019 2:40	27.34	73.6	5.70	6.2	SR13	8/4/2019 8:40	27.30	70.5	5.45	6.0	SR13	8/4/2019 14:40	27.65	66.5	5.14	5.7	SR13	8/4/2019 20:40	27.74	68.7	5.31	6.7
SR13	8/4/2019 2:45	27.35	69.1	5.34	6.1	SR13	8/4/2019 8:45	27.31	67.9	5.26	5.6	SR13	8/4/2019 14:45	27.65	66.1	5.10	5.9	SR13	8/4/2019 20:45	27.75	68.2	5.27	5.8
SR13	8/4/2019 2:50	27.35	68.3	5.28	7.1	SR13	8/4/2019 8:50	27.30	68.6	5.32	5.2	SR13	8/4/2019 14:50	27.63	66.2	5.11	5.7	SR13	8/4/2019 20:50	27.77	70.4	5.41	5.3
SR13	8/4/2019 2:55	27.36	68.9	5.34	6.5	SR13	8/4/2019 8:55	27.30	69.9	5.42	5.4	SR13	8/4/2019 14:55	27.64	68.0	5.25	6.0	SR13	8/4/2019 20:55	27.78	70.0	5.40	6.1
SR13	8/4/2019 3:00	27.36	66.9	5.10	6.2	SR13	8/4/2019 9:00	27.30	70.9	5.49	6.7	SR13	8/4/2019 15:00	27.62	67.5	5.20	6.1	SR13	8/4/2019 21:00	27.62	67.4	5.20	6.7
SR13	8/4/2019 3:05	27.37	67.3	5.21	7.4	SR13	8/4/2019 9:05	27.30	70.4	5.46	5.1	SR13	8/4/2019 15:05	27.63	68.0	5.25	5.4	SR13	8/4/2019 21:05	27.77	68.8	5.31	5.4
SR13	8/4/2019 3:10	27.38	67.1	5.20	6.5	SR13	8/4/2019 9:10	27.30	69.9	5.43	5.9	SR13	8/4/2019 15:10	27.62	66.6	5.16	5.3	SR13	8/4/2019 21:10	27.76	68.4	5.28	5.8
SR13	8/4/2019 3:15	27.38	69.4	5.37	6.1	SR13	8/4/2019 9:15	27.29	69.5	5.39	7.0	SR13	8/4/2019 15:15	27.63	67.0	5.17	5.8	SR13	8/4/2019 21:15	27.75	67.4	5.19	6.1
SR13	8/4/2019 3:20	27.38	69.4	5.36	6.3	SR13	8/4/2019 9:20	27.30	71.3	5.52	5.8	SR13	8/4/2019 15:20	27.63	66.4	5.12	6.1	SR13	8/4/2019 21:20	27.74	67.3	5.21	6.2
SR13	8/4/2019 3:25	27.38	65.5	5.08	6.7	SR13	8/4/2019 9:25	27.30	70.3	5.44	6.0	SR13	8/4/2019 15:25	27.64	65.2	5.04	6.0	SR13	8/4/2019 21:25	27.73	66.3	5.13	6.0
SR13	8/4/2019 3:30	27.38	67.4	5.23	6.7	SR13	8/4/2019 9:30	27.30	69.8	5.40	6.0	SR13	8/4/2019 15:30	27.72	67.0	5.17	5.5	SR13	8/4/2019 21:30	27.69	67.2	5.18	7.0
SR13	8/4/2019 3:35	27.38	69.2	5.36	6.3	SR13	8/4/2019 9:35	27.31	68.9	5.34	6.1	SR13	8/4/2019 15:35	27.74	67.0	5.19	6.3	SR13	8/4/2019 21:35	27.66	67.3	5.19	5.8
SR13	8/4/2019 3:40	27.37	69.4	5.38	5.7	SR13	8/4/2019 9:40	27.30	69.8	5.41	5.8	SR13	8/4/2019 15:40	27.78	66.4	5.13	6.3	SR13	8/4/2019 21:40	27.65	69.3	5.34	5.8
SR13	8/4/2019 3:45	27.38	67.3	5.21	7.0	SR13	8/4/2019 9:45	27.31	70.1	5.42	5.5	SR13	8/4/2019 15:45	27.80	65.5	5.06	5.3	SR13	8/4/2019 21:45	27.63	67.1	5.17	5.0
SR13	8/4/2019 3:50	27.38	67.5	5.23	6.1	SR13	8/4/2019 9:50	27.31	70.7	5.47	5.5	SR13	8/4/2019 15:50	27.82	68.2	5.27	5.2	SR13	8/4/2019 21:50	27.63	66.3	5.12	5.8
SR13	8/4/2019 3:55	27.38	73.2	5.67	6.7	SR13	8/4/2019 9:55	27															

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/4/2019 0:17	0.37				SR12	8/4/2019 0:17	0.37			
SR4	8/4/2019 0:37	0.37				SR12	8/4/2019 0:37	0.37			
SR4	8/4/2019 0:57	0.36				SR12	8/4/2019 0:57	0.36			
SR4	8/4/2019 1:17	0.37				SR12	8/4/2019 1:17	0.37			
SR4	8/4/2019 1:37	0.37				SR12	8/4/2019 1:37	0.36			
SR4	8/4/2019 1:57	0.34				SR12	8/4/2019 1:57	0.36			
SR4	8/4/2019 2:17	0.35				SR12	8/4/2019 2:17	0.36			
SR4	8/4/2019 2:37	0.34				SR12	8/4/2019 2:37	0.35			
SR4	8/4/2019 2:57	0.34				SR12	8/4/2019 2:57	0.35			
SR4	8/4/2019 3:17	0.34				SR12	8/4/2019 3:17	0.34			
SR4	8/4/2019 3:37	0.34				SR12	8/4/2019 3:37	0.36			
SR4	8/4/2019 3:57	0.35				SR12	8/4/2019 3:57	0.36			
SR4	8/4/2019 4:17	0.36				SR12	8/4/2019 4:17	0.34			
SR4	8/4/2019 4:37	0.35				SR12	8/4/2019 4:37	0.34			
SR4	8/4/2019 4:57	0.35				SR12	8/4/2019 4:57	0.35			
SR4	8/4/2019 5:17	0.36				SR12	8/4/2019 5:17	0.36			
SR4	8/4/2019 5:37	0.35				SR12	8/4/2019 5:37	0.35			
SR4	8/4/2019 5:57	0.36				SR12	8/4/2019 5:57	0.34			
SR4						SR12					
SR4	8/4/2019 6:37	0.35				SR12	8/4/2019 6:37	0.36			
SR4	8/4/2019 6:57	0.35				SR12	8/4/2019 6:57	0.34			
SR4	8/4/2019 7:17	0.33				SR12	8/4/2019 7:17	0.35			
SR4	8/4/2019 7:37	0.34				SR12	8/4/2019 7:37	0.33			
SR4	8/4/2019 7:57	0.35				SR12	8/4/2019 7:57	0.35			
SR4	8/4/2019 8:17	0.35				SR12	8/4/2019 8:17	0.35			
SR4	8/4/2019 8:37	0.35				SR12	8/4/2019 8:37	0.34			
SR4	8/4/2019 8:57	0.33				SR12	8/4/2019 8:57	0.34			
SR4	8/4/2019 9:17	0.34				SR12	8/4/2019 9:17	0.33			
SR4	8/4/2019 9:37	0.34				SR12	8/4/2019 9:37	0.33			
SR4	8/4/2019 9:57	0.33				SR12	8/4/2019 9:57	0.34			
SR4	8/4/2019 10:17	0.35				SR12	8/4/2019 10:17	0.34			
SR4	8/4/2019 10:37	0.35				SR12	8/4/2019 10:37	0.35			
SR4	8/4/2019 10:57	0.35				SR12	8/4/2019 10:57	0.35			
SR4	8/4/2019 11:17	0.34				SR12	8/4/2019 11:17	0.35			
SR4	8/4/2019 11:37	0.34				SR12	8/4/2019 11:37	0.34			
SR4	8/4/2019 11:57	0.33				SR12	8/4/2019 11:57	0.33			
SR4	8/4/2019 12:17	0.33				SR12	8/4/2019 12:17	0.32			
SR4	8/4/2019 12:37	0.32				SR12	8/4/2019 12:37	0.32			
SR4	8/4/2019 12:57	0.32				SR12	8/4/2019 12:57	0.32			
SR4	8/4/2019 13:17	0.33				SR12	8/4/2019 13:17	0.33			
SR4	8/4/2019 13:37	0.34				SR12	8/4/2019 13:37	0.33			
SR4	8/4/2019 13:57	0.34				SR12	8/4/2019 13:57	0.34			
SR4	8/4/2019 14:17	0.34				SR12	8/4/2019 14:17	0.33			
SR4	8/4/2019 14:37	0.32				SR12	8/4/2019 14:37	0.34			
SR4	8/4/2019 14:57	0.33				SR12	8/4/2019 14:57	0.32			
SR4	8/4/2019 15:17	0.32				SR12	8/4/2019 15:17	0.32			
SR4	8/4/2019 15:37	0.33				SR12	8/4/2019 15:37	0.32			
SR4	8/4/2019 15:57	0.32				SR12	8/4/2019 15:57	0.33			
SR4	8/4/2019 16:17	0.34				SR12	8/4/2019 16:17	0.32			
SR4	8/4/2019 16:37	0.32				SR12	8/4/2019 16:37	0.34			
SR4	8/4/2019 16:57	0.33				SR12	8/4/2019 16:57	0.32			
SR4	8/4/2019 17:17	0.34				SR12	8/4/2019 17:17	0.34			
SR4	8/4/2019 17:37	0.32				SR12	8/4/2019 17:37	0.32			
SR4	8/4/2019 17:57	0.33				SR12	8/4/2019 17:57	0.33			
SR4	8/4/2019 18:17	0.32				SR12	8/4/2019 18:17	0.32			
SR4	8/4/2019 18:37	0.31				SR12	8/4/2019 18:37	0.31			
SR4	8/4/2019 18:57	0.33				SR12	8/4/2019 18:57	0.31			
SR4	8/4/2019 19:17	0.32				SR12	8/4/2019 19:17	0.32			
SR4	8/4/2019 19:37	0.32				SR12	8/4/2019 19:37	0.31			
SR4	8/4/2019 19:57	0.31				SR12	8/4/2019 19:57	0.31			
SR4	8/4/2019 20:17	0.31				SR12	8/4/2019 20:17	0.32			
SR4	8/4/2019 20:37	0.33				SR12	8/4/2019 20:37	0.31			
SR4	8/4/2019 20:57	0.33				SR12	8/4/2019 20:57	0.33			
SR4	8/4/2019 21:17	0.33				SR12	8/4/2019 21:17	0.31			
SR4	8/4/2019 21:37	0.31				SR12	8/4/2019 21:37	0.31			
SR4	8/4/2019 21:57	0.32				SR12	8/4/2019 21:57	0.33			
SR4	8/4/2019 22:17	0.31				SR12	8/4/2019 22:17	0.33			
SR4	8/4/2019 22:37	0.32				SR12	8/4/2019 22:37	0.31			
SR4	8/4/2019 22:57	0.31				SR12	8/4/2019 22:57	0.31			
SR4	8/4/2019 23:17	0.31				SR12	8/4/2019 23:17	0.31			
SR4	8/4/2019 23:37	0.32				SR12	8/4/2019 23:37	0.31			
SR4	8/4/2019 23:57	0.32				SR12	8/4/2019 23:57	0.32			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/5/2019 0:01	27.27	62.8	4.33	5.2	SR4	8/5/2019 6:01	27.12	47.7	4.13	5.5	SR4	8/5/2019 12:01	27.71	59.4	4.00	5.6	SR4	8/5/2019 18:01	27.88	69.0	4.66	5.2
SR4	8/5/2019 0:06	27.26	59.3	4.09	9.4	SR4	8/5/2019 6:06	27.08	51.0	4.92	6.5	SR4	8/5/2019 12:06	27.53	58.3	3.94	5.9	SR4	8/5/2019 18:06	27.90	69.3	5.01	9.4
SR4	8/5/2019 0:11	27.26	65.3	4.50	9.5	SR4	8/5/2019 6:11	27.11	50.9	4.63	5.6	SR4	8/5/2019 12:11	27.51	57.4	3.87	6.1	SR4	8/5/2019 18:11	27.93	70.4	4.76	6.2
SR4	8/5/2019 0:16	27.26	58.8	4.05	9.4	SR4	8/5/2019 6:16	27.14	48.8	4.34	5.1	SR4					SR4	8/5/2019 18:16	27.97	72.0	5.35	9.8	
SR4	8/5/2019 0:21	27.23	60.2	4.15	9.6	SR4	8/5/2019 6:21	27.14	47.0	4.52	5.1	SR4					SR4	8/5/2019 18:21	27.96	73.5	5.71	8.4	
SR4	8/5/2019 0:26	27.23	63.3	4.37	5.3	SR4	8/5/2019 6:26	27.07	46.8	4.96	9.3	SR4					SR4	8/5/2019 18:26	27.97	72.8	5.66	17.5	
SR4	8/5/2019 0:31	27.24	62.1	4.28	9.7	SR4	8/5/2019 6:31	27.13	45.4	4.48	9.9	SR4					SR4	8/5/2019 18:31	28.00	74.7	5.81	9.0	
SR4	8/5/2019 0:36	27.26	55.1	3.80	9.5	SR4	8/5/2019 6:36	27.10	49.8	4.44	5.5	SR4					SR4	8/5/2019 18:36	27.99	72.9	5.66	8.0	
SR4	8/5/2019 0:41	27.20	56.1	3.87	9.3	SR4	8/5/2019 6:41	27.06	49.7	4.59	9.8	SR4					SR4	8/5/2019 18:41	27.99	71.1	5.54	8.0	
SR4	8/5/2019 0:46	27.21	60.5	4.17	9.9	SR4	8/5/2019 6:46	27.01	47.7	4.67	5.2	SR4					SR4	8/5/2019 18:46	28.00	75.4	5.84	15.2	
SR4	8/5/2019 0:51	27.23	58.4	4.03	9.4	SR4	8/5/2019 6:51	27.11	44.6	4.96	8.4	SR4					SR4	8/5/2019 18:51	28.00	77.7	6.04	9.4	
SR4	8/5/2019 0:56	27.23	59.6	4.11	9.3	SR4	8/5/2019 6:56	27.11	44.4	4.75	8.3	SR4					SR4	8/5/2019 18:56	27.95	84.0	6.55	7.0	
SR4	8/5/2019 1:01	27.22	57.0	3.93	9.7	SR4	8/5/2019 7:01	27.10	47.0	4.65	9.0	SR4					SR4	8/5/2019 19:01	28.02	78.6	6.09	6.2	
SR4	8/5/2019 1:06	27.28	60.7	4.18	17.4	SR4	8/5/2019 7:06	27.10	48.3	4.43	14.8	SR4					SR4	8/5/2019 19:06	27.95	86.9	6.78	8.2	
SR4	8/5/2019 1:11	27.31	60.3	4.15	5.1	SR4	8/5/2019 7:11	27.09	47.5	4.72	9.8	SR4					SR4	8/5/2019 19:11	28.00	81.6	6.35	9.1	
SR4	8/5/2019 1:16	27.29	58.0	3.99	9.6	SR4	8/5/2019 7:16	27.04	51.5	4.50	5.6	SR4					SR4	8/5/2019 19:16	27.74	95.2	7.47	7.3	
SR4	8/5/2019 1:21	27.31	58.6	4.03	5.1	SR4	8/5/2019 7:21	27.05	51.8	4.93	6.3	SR4	8/5/2019 13:21	27.70	61.8	4.17	6.5	SR4	8/5/2019 19:21	27.55	95.9	7.54	13.2
SR4	8/5/2019 1:26	27.25	58.4	4.02	9.8	SR4	8/5/2019 7:26	27.04	52.5	4.37	6.1	SR4	8/5/2019 13:26	27.73	62.4	4.21	21.3	SR4	8/5/2019 19:26	27.44	96.9	7.64	6.0
SR4	8/5/2019 1:31	27.24	60.3	4.15	6.2	SR4	8/5/2019 7:31	27.03	56.1	3.85	6.4	SR4	8/5/2019 13:31	27.74	64.1	4.33	5.8	SR4	8/5/2019 19:31	27.97	86.4	6.72	5.7
SR4	8/5/2019 1:36	27.23	61.3	4.23	5.1	SR4	8/5/2019 7:36	27.00	58.8	4.03	5.9	SR4	8/5/2019 13:36	27.72	63.1	4.26	5.9	SR4	8/5/2019 19:36	27.63	96.0	7.54	7.5
SR4	8/5/2019 1:41	27.23	57.9	4.00	9.8	SR4	8/5/2019 7:41	27.02	56.0	3.84	5.8	SR4	8/5/2019 13:41	27.78	64.0	4.32	6.0	SR4	8/5/2019 19:41	27.80	93.6	7.33	9.8
SR4	8/5/2019 1:46	27.22	58.1	4.01	9.7	SR4	8/5/2019 7:46	27.03	59.4	4.07	5.5	SR4	8/5/2019 13:46	27.79	63.0	4.25	5.7	SR4	8/5/2019 19:46	27.76	93.1	7.30	6.7
SR4	8/5/2019 1:51	27.24	63.3	4.36	5.5	SR4	8/5/2019 7:51	27.04	58.0	3.98	5.4	SR4	8/5/2019 13:51	27.83	62.4	4.21	5.8	SR4	8/5/2019 19:51	27.66	88.7	6.96	5.8
SR4	8/5/2019 1:56	27.24	61.1	4.21	5.2	SR4	8/5/2019 7:56	27.05	59.7	4.10	10.8	SR4	8/5/2019 13:56	27.79	63.3	4.27	5.7	SR4	8/5/2019 19:56	27.98	79.9	6.23	9.3
SR4	8/5/2019 2:01	27.23	57.0	3.93	9.8	SR4	8/5/2019 8:01	27.05	58.1	3.98	9.5	SR4	8/5/2019 14:01	27.84	62.7	4.23	5.7	SR4	8/5/2019 20:01	27.87	81.5	6.36	8.0
SR4	8/5/2019 2:06	27.23	55.2	3.81	9.4	SR4	8/5/2019 8:06	27.02	60.4	4.14	5.3	SR4	8/5/2019 14:06	27.87	64.2	4.33	5.6	SR4	8/5/2019 20:06	27.80	83.7	6.54	12.3
SR4	8/5/2019 2:11	27.23	57.3	3.95	9.7	SR4	8/5/2019 8:11	27.03	58.6	4.01	5.2	SR4	8/5/2019 14:11	27.87	62.9	4.24	5.5	SR4	8/5/2019 20:11	28.00	77.6	6.04	13.3
SR4	8/5/2019 2:16	27.22	58.0	4.00	5.7	SR4	8/5/2019 8:16	27.07	56.3	3.86	5.1	SR4	8/5/2019 14:16	27.84	63.5	4.28	6.1	SR4	8/5/2019 20:16	28.01	74.7	5.81	20.9
SR4	8/5/2019 2:21	27.22	58.0	4.00	9.9	SR4	8/5/2019 8:21	27.07	56.5	3.87	9.9	SR4	8/5/2019 14:21	27.88	64.3	4.33	5.9	SR4	8/5/2019 20:21	28.02	73.1	5.43	7.6
SR4	8/5/2019 2:26	27.22	58.8	4.06	19.8	SR4	8/5/2019 8:26	27.07	55.6	3.81	5.1	SR4	8/5/2019 14:26	27.90	62.6	4.22	5.2	SR4	8/5/2019 20:26	28.07	64.5	4.78	8.3
SR4	8/5/2019 2:31	27.21	59.2	4.08	9.9	SR4	8/5/2019 8:31	27.07	59.3	4.06	9.9	SR4	8/5/2019 14:31	27.90	62.4	4.20	5.9	SR4	8/5/2019 20:31	28.07	61.4	4.22	8.5
SR4	8/5/2019 2:36	27.18	56.3	3.89	9.7	SR4	8/5/2019 8:36	27.02	58.5	4.00	6.5	SR4	8/5/2019 14:36	27.97	63.2	4.25	5.6	SR4	8/5/2019 20:36	28.05	64.9	4.82	9.2
SR4	8/5/2019 2:41	27.17	59.0	4.08	9.9	SR4	8/5/2019 8:41	27.01	57.8	3.95	6.1	SR4	8/5/2019 14:41	27.74	59.0	3.98	5.8	SR4	8/5/2019 20:41	28.05	64.5	4.40	9.1
SR4	8/5/2019 2:46	27.17	58.2	4.02	5.1	SR4	8/5/2019 8:46	27.00	59.3	4.06	5.8	SR4	8/5/2019 14:46	27.96	59.5	4.00	5.7	SR4	8/5/2019 20:46	28.05	66.6	4.55	8.8
SR4	8/5/2019 2:51	27.16	59.8	4.13	5.4	SR4	8/5/2019 8:51	27.00	56.6	3.86	6.4	SR4	8/5/2019 14:51	27.79	60.5	4.08	5.7	SR4	8/5/2019 20:51	27.83	67.6	4.62	8.8
SR4	8/5/2019 2:56	27.15	57.1	3.95	5.1	SR4	8/5/2019 8:56	27.00	57.6	3.93	6.6	SR4	8/5/2019 14:56	27.91	59.5	4.01	5.6	SR4	8/5/2019 20:56	28.04	68.0	4.65	8.9
SR4	8/5/2019 3:01	27.22	57.5	3.96	5.1	SR4	8/5/2019 9:01	26.99	54.9	4.97	8.0	SR4	8/5/2019 15:01	28.05	62.7	4.22	5.9	SR4	8/5/2019 21:01	28.10	69.8	4.77	8.9
SR4	8/5/2019 3:06	27.25	55.1	3.79	9.3	SR4	8/5/2019 9:06	27.00	55.5	4.93	20.9	SR4	8/5/2019 15:06	27.58	56.1	3.78	5.6	SR4	8/5/2019 21:06	28.12	68.4	4.68	9.0
SR4	8/5/2019 3:11	27.15	55.2	3.82	9.8	SR4	8/5/2019 9:11	27.00	55.7	3.78	10.2	SR4	8/5/2019 15:11	27.69	57.7	3.89	5.7	SR4	8/5/2019 21:11	28.22	68.4	4.67	9.0
SR4	8/5/2019 3:16	27.15	54.3	4.41	9.9	SR4	8/5/2019 9:16	27.00	59.3	4.03	7.5	SR4	8/5/2019 15:16	27.70	55.9	4.20	5.6	SR4	8/5/2019 21:16	28.19	69.5	4.74	9.6
SR4	8/5/2019 3:21	27.17	51.2	4.90	9.6	SR4	8/5/2019 9:21	26.99	52.9	4.19	8.0	SR4	8/5/2019 15:21	27.75	57.8	3.90	5.7	SR4	8/5/2019 21:21	28.11	69.5	4.75	9.5
SR4	8/5/2019 3:26	27.22	44.6	4.79	9.2	SR4	8/5/2019 9:26	27.01	53.1	4.31	7.8	SR4	8/5/2019 15:26	27.77	55.8	4.90	5.4	SR4	8/5/2019 21:26	28.08	68.9	4.71	5.2
SR4	8/5/2019 3:31	27.20	46.3	4.51	9.3	SR4	8/5/2019 9:31	27.04	54.8	4.26	7.5	SR4	8/5/2019 15:31	27.71	56.3	3.79	5.9	SR4	8/5/2019 21:31	28.08	66.2	4.52	5.1
SR4	8/5/2019 3:36	27.16	50.9	4.41	9.9	SR4	8/5/2019 9:36	26.99	52.9	4.89	7.6	SR4	8/5/2019 15:36	27.79	55.6	4.85	5.5	SR4	8/5/2019 21:36	28.03	65.4	4.46	5.4
SR4	8/5/2019 3:41	27.15	50.2	4.48	9.5	SR4	8/5/2019 9:41	27.04	54.1	4.17	6.6	SR4	8/5/2019 15:41	27.74	56.8	3.82	5.7	SR4	8/5/2019 21:41	28.07	64.2	4.39	9.3
SR4	8/5/2019 3:46	27.14	47.0	4.35	9.4	SR4	8/5/2019 9:46	27.03	53.5	4.87	6.4	SR4	8/5/2019 15:46	27.86	57.7	3.88	5.5	SR4	8/5/2019 21:46	27.96	63.1	4.29	5.4
SR4	8/5/2019 3:51	27.09	51.1	4.87	9.9	SR4	8/5/2019 9:51	27.06	55.6	4.53	6.6	SR4	8/5/2019 15:51	27.85	55.9	4.64	5.7	SR4	8/5/2019 21:51	27.95	64.2	4.36	5.9
SR4	8/5/2019 3:56	27.14	47.5	4.77	9.0	SR4	8/5/2019 9:56	27.11	56.7	3.84	6.0	SR4	8/5/2019 15:56	28.06	57.9	3.89	5.6	SR4	8/5/2019 21:56	27.92	61.4	4.17	6.1
SR4	8/5/2019 4:01	27.21	44.9	4.79	9.5	SR4	8/5/2019 10:01	27.09	57.0	3.86	6.5	SR4	8/5/2019 16:01	27.93	57.0	3.83	5.6	SR4	8/5/2019 22:01	27.90	65.2	4.43	8.3
SR4	8/5/2019 4:06	27.20	38.9	4.86	9.5	SR4	8/5/2019 10:06	27.10	57.8	3.92	6.6	SR4	8/5/2019 16:06	28.00	59.0	3.96	5.6	SR4	8/5/2019 22:06	27.83	61.7	4.18	6.9
SR4	8/5/2019 4																						

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/5/2019 0:00	26.94	70.8	5.69	5.6	SR5	8/5/2019 6:00	27.30	70.8	5.71	6.0	SR5	8/5/2019 12:00	27.30	72.4	5.86	6.8	SR5	8/5/2019 18:00	28.02	71.9	5.82	5.2
SR5	8/5/2019 0:05	26.93	70.4	5.68	4.0	SR5	8/5/2019 6:05	27.30	72.1	5.85	5.0	SR5	8/5/2019 12:05	27.09	71.7	5.78	7.6	SR5	8/5/2019 18:05	28.05	72.4	5.84	7.1
SR5	8/5/2019 0:10	26.92	68.5	5.53	6.7	SR5	8/5/2019 6:10	27.31	70.1	5.70	5.0	SR5	8/5/2019 12:10	27.18	71.9	5.79	9.0	SR5	8/5/2019 18:10	28.07	72.1	5.83	6.9
SR5	8/5/2019 0:15	26.93	69.3	5.62	5.6	SR5	8/5/2019 6:15	27.29	71.2	5.78	7.6	SR5	8/5/2019 12:15	27.51	71.8	5.80	6.0	SR5	8/5/2019 18:15	28.12	72.2	5.84	6.6
SR5	8/5/2019 0:20	26.93	69.1	5.56	6.3	SR5	8/5/2019 6:20	27.29	71.1	5.78	7.0	SR5	8/5/2019 12:20	27.55	70.9	5.71	8.0	SR5	8/5/2019 18:20	28.16	72.5	5.85	8.6
SR5	8/5/2019 0:25	26.94	68.5	5.53	7.6	SR5	8/5/2019 6:25	27.29	70.1	5.67	5.0	SR5	8/5/2019 12:25	27.52	72.0	5.82	7.5	SR5	8/5/2019 18:25	28.15	72.4	5.84	7.6
SR5	8/5/2019 0:30	26.94	70.6	5.71	7.7	SR5	8/5/2019 6:30	27.30	70.0	5.70	6.0	SR5	8/5/2019 12:30	27.67	72.7	5.88	8.9	SR5	8/5/2019 18:30	28.17	71.6	5.77	7.0
SR5	8/5/2019 0:35	26.93	69.7	5.62	6.7	SR5	8/5/2019 6:35	27.29	71.7	5.82	5.4	SR5	8/5/2019 12:35	27.74	71.4	5.76	8.0	SR5	8/5/2019 18:35	28.23	71.8	5.81	7.0
SR5	8/5/2019 0:40	26.93	69.7	5.59	3.9	SR5	8/5/2019 6:40	27.29	70.9	5.72	5.2	SR5	8/5/2019 12:40	27.63	71.6	5.78	6.1	SR5	8/5/2019 18:40	28.16	71.7	5.80	7.0
SR5	8/5/2019 0:45	26.93	69.2	5.60	4.9	SR5	8/5/2019 6:45	27.31	71.6	5.78	4.7	SR5	8/5/2019 12:45	27.57	72.1	5.83	6.5	SR5	8/5/2019 18:45	28.13	72.4	5.86	8.7
SR5	8/5/2019 0:50	26.93	70.6	5.70	7.3	SR5	8/5/2019 6:50	27.32	69.2	5.62	5.1	SR5	8/5/2019 12:50	27.57	72.1	5.83	8.4	SR5	8/5/2019 18:50	28.13	72.3	5.84	8.6
SR5	8/5/2019 0:55	26.94	71.0	5.72	6.7	SR5	8/5/2019 6:55	27.33	71.4	5.74	6.9	SR5	8/5/2019 12:55	27.75	71.2	5.75	6.9	SR5	8/5/2019 18:55	28.10	72.2	5.83	7.4
SR5	8/5/2019 1:00	26.94	70.5	5.68	6.7	SR5	8/5/2019 7:00	27.33	70.8	5.71	5.8	SR5	8/5/2019 13:00	27.76	71.6	5.78	5.0	SR5	8/5/2019 19:00	28.09	71.3	5.74	6.9
SR5	8/5/2019 1:05	26.94	70.0	5.61	4.5	SR5	8/5/2019 7:05	27.33	69.2	5.62	7.4	SR5	8/5/2019 13:05	27.84	71.7	5.78	7.0	SR5	8/5/2019 19:05	28.12	71.3	5.74	7.2
SR5	8/5/2019 1:10	26.94	70.8	5.73	3.4	SR5	8/5/2019 7:10	27.33	69.3	5.62	7.3	SR5	8/5/2019 13:10	27.74	72.9	5.89	8.2	SR5	8/5/2019 19:10	28.14	72.1	5.83	7.1
SR5	8/5/2019 1:15	26.93	71.2	5.75	8.4	SR5	8/5/2019 7:15	27.33	71.6	5.78	5.4	SR5	8/5/2019 13:15	27.87	71.8	5.81	6.5	SR5	8/5/2019 19:15	28.15	72.3	5.85	7.9
SR5	8/5/2019 1:20	26.93	70.0	5.67	4.6	SR5	8/5/2019 7:20	27.33	70.7	5.76	6.6	SR5	8/5/2019 13:20	27.86	72.5	5.87	5.9	SR5	8/5/2019 19:20	28.15	71.3	5.74	7.7
SR5	8/5/2019 1:25	26.93	68.6	5.54	8.6	SR5	8/5/2019 7:25	27.34	70.5	5.73	4.7	SR5	8/5/2019 13:25	27.76	72.5	5.85	5.3	SR5	8/5/2019 19:25	28.14	72.8	5.89	6.2
SR5	8/5/2019 1:30	26.97	70.6	5.70	6.6	SR5	8/5/2019 7:30	27.35	69.5	5.66	4.8	SR5	8/5/2019 13:30	27.78	71.0	5.73	6.0	SR5	8/5/2019 19:30	28.16	72.6	5.87	6.7
SR5	8/5/2019 1:35	26.97	69.5	5.61	6.0	SR5	8/5/2019 7:35	27.34	70.3	5.74	5.6	SR5	8/5/2019 13:35	27.77	72.4	5.86	6.6	SR5	8/5/2019 19:35	28.17	71.1	5.73	8.4
SR5	8/5/2019 1:40	26.97	68.9	5.58	5.9	SR5	8/5/2019 7:40	27.33	70.8	5.71	7.4	SR5	8/5/2019 13:40	27.71	72.6	5.87	6.4	SR5	8/5/2019 19:40	28.17	72.5	5.88	5.3
SR5	8/5/2019 1:45	26.97	70.4	5.64	6.4	SR5	8/5/2019 7:45	27.34	70.9	5.78	5.8	SR5	8/5/2019 13:45	27.71	72.1	5.83	5.2	SR5	8/5/2019 19:45	28.18	72.0	5.82	7.3
SR5	8/5/2019 1:50	26.97	68.1	5.50	5.4	SR5	8/5/2019 7:50	27.35	71.5	5.81	7.6	SR5	8/5/2019 13:50	27.85	71.2	5.74	7.9	SR5	8/5/2019 19:50	28.17	71.9	5.79	7.7
SR5	8/5/2019 1:55	26.96	71.0	5.73	5.7	SR5	8/5/2019 7:55	27.35	71.0	5.71	7.6	SR5	8/5/2019 13:55	27.79	71.5	5.78	7.3	SR5	8/5/2019 19:55	28.16	72.5	5.86	7.4
SR5	8/5/2019 2:00	26.95	70.6	5.67	5.5	SR5	8/5/2019 8:00	27.34	71.4	5.78	6.8	SR5	8/5/2019 14:00	27.83	72.6	5.87	7.2	SR5	8/5/2019 20:00	28.19	72.1	5.84	7.6
SR5	8/5/2019 2:05	26.95	68.6	5.53	5.9	SR5	8/5/2019 8:05	27.34	71.8	5.80	6.7	SR5	8/5/2019 14:05	27.83	72.5	5.87	7.1	SR5	8/5/2019 20:05	28.17	72.5	5.86	8.2
SR5	8/5/2019 2:10	26.95	70.3	5.69	6.9	SR5	8/5/2019 8:10	27.31	70.0	5.69	8.5	SR5	8/5/2019 14:10	27.83	72.6	5.87	5.3	SR5	8/5/2019 20:10	28.16	71.7	5.79	8.5
SR5	8/5/2019 2:15	26.94	70.1	5.61	4.4	SR5	8/5/2019 8:15	27.34	70.3	5.75	5.7	SR5	8/5/2019 14:15	28.22	71.6	5.79	8.5	SR5	8/5/2019 20:15	28.18	72.3	5.87	7.6
SR5	8/5/2019 2:20	26.96	70.1	5.67	5.6	SR5	8/5/2019 8:20	27.31	70.9	5.72	6.1	SR5	8/5/2019 14:20	28.08	72.6	5.88	7.2	SR5	8/5/2019 20:20	28.17	71.3	5.75	6.6
SR5	8/5/2019 2:25	26.95	69.9	5.62	4.7	SR5	8/5/2019 8:25	27.32	71.2	5.78	5.6	SR5	8/5/2019 14:25	27.95	72.3	5.86	5.4	SR5	8/5/2019 20:25	28.16	72.7	5.88	8.8
SR5	8/5/2019 2:30	26.95	69.6	5.66	7.0	SR5	8/5/2019 8:30	27.35	69.8	5.67	7.1	SR5	8/5/2019 14:30	27.98	71.2	5.73	8.2	SR5	8/5/2019 20:30	28.17	71.3	5.85	8.3
SR5	8/5/2019 2:35	26.95	69.1	5.57	5.1	SR5	8/5/2019 8:35	27.30	72.1	5.82	7.3	SR5	8/5/2019 14:35	28.16	72.3	5.85	7.6	SR5	8/5/2019 20:35	28.16	71.7	5.79	6.0
SR5	8/5/2019 2:40	26.94	70.6	5.67	5.6	SR5	8/5/2019 8:40	27.29	71.0	5.74	5.7	SR5	8/5/2019 14:40	28.07	72.0	5.81	7.4	SR5	8/5/2019 20:40	28.17	71.0	5.72	6.9
SR5	8/5/2019 2:45	26.94	69.6	5.66	5.4	SR5	8/5/2019 8:45	27.30	71.3	5.81	7.5	SR5	8/5/2019 14:45	28.12	71.4	5.75	8.0	SR5	8/5/2019 20:45	28.16	71.4	5.76	5.7
SR5	8/5/2019 2:50	26.95	70.3	5.69	8.4	SR5	8/5/2019 8:50	27.30	70.3	5.69	4.4	SR5	8/5/2019 14:50	28.07	71.4	5.76	5.7	SR5	8/5/2019 20:50	28.16	72.1	5.82	7.0
SR5	8/5/2019 2:55	26.94	69.7	5.66	5.4	SR5	8/5/2019 8:55	27.26	71.2	5.77	5.6	SR5	8/5/2019 14:55	28.07	72.9	5.90	7.6	SR5	8/5/2019 20:55	28.15	72.4	5.86	7.1
SR5	8/5/2019 3:00	26.93	70.6	5.71	4.2	SR5	8/5/2019 9:00	27.21	71.4	5.77	6.2	SR5	8/5/2019 15:00	28.01	72.1	5.83	6.3	SR5	8/5/2019 21:00	28.14	71.7	5.80	6.9
SR5	8/5/2019 3:05	26.95	69.1	5.56	6.2	SR5	8/5/2019 9:05	27.20	71.4	5.81	5.7	SR5	8/5/2019 15:05	27.96	71.8	5.81	8.1	SR5	8/5/2019 21:05	28.05	71.9	5.81	5.7
SR5	8/5/2019 3:10	26.96	71.0	5.71	3.7	SR5	8/5/2019 9:10	27.14	71.0	5.79	5.4	SR5	8/5/2019 15:10	27.98	70.9	5.72	7.3	SR5	8/5/2019 21:10	28.08	71.3	5.75	9.2
SR5	8/5/2019 3:15	26.94	69.5	5.62	6.0	SR5	8/5/2019 9:15	27.06	70.8	5.78	6.3	SR5	8/5/2019 15:15	28.03	71.9	5.80	7.8	SR5	8/5/2019 21:15	28.08	72.8	5.89	8.2
SR5	8/5/2019 3:20	26.93	68.9	5.57	7.5	SR5	8/5/2019 9:20	27.06	71.4	5.76	6.4	SR5	8/5/2019 15:20	27.96	71.4	5.74	8.8	SR5	8/5/2019 21:20	28.06	71.4	5.75	7.8
SR5	8/5/2019 3:25	26.94	69.0	5.58	4.4	SR5	8/5/2019 9:25	27.06	70.5	5.76	5.0	SR5	8/5/2019 15:25	28.32	72.3	5.85	7.7	SR5	8/5/2019 21:25	28.08	71.8	5.77	8.2
SR5	8/5/2019 3:30	26.95	71.2	5.74	7.5	SR5	8/5/2019 9:30	27.06	71.3	5.80	8.4	SR5	8/5/2019 15:30	28.20	71.2	5.74	7.0	SR5	8/5/2019 21:30	28.07	71.8	5.78	7.7
SR5	8/5/2019 3:35	26.97	70.5	5.66	7.2	SR5	8/5/2019 9:35	27.06	71.4	5.81	6.8	SR5	8/5/2019 15:35	28.26	72.0	5.82	7.0	SR5	8/5/2019 21:35	28.06	71.6	5.77	7.6
SR5	8/5/2019 3:40	27.00	69.3	5.62	6.4	SR5	8/5/2019 9:40	27.07	69.8	5.68	7.1	SR5	8/5/2019 15:40	28.31	71.9	5.80	5.5	SR5	8/5/2019 21:40	28.01	71.4	5.76	8.0
SR5	8/5/2019 3:45	27.02	69.3	5.63	6.5	SR5	8/5/2019 9:45	27.07	69.9	5.68	6.3	SR5	8/5/2019 15:45	28.30	72.2	5.84	5.7	SR5	8/5/2019 21:45	27.97	72.5	5.87	7.7
SR5	8/5/2019 3:50	27.06	68.9	5.56	5.0	SR5	8/5/2019 9:50	27.06	72.1	5.83	6.9	SR5	8/5/2019 15:50	28.31	71.4	5.77	8.6	SR5	8/5/2019 21:50	27.98	71.6	5.76	8.2
SR5	8/5/2019 3:55	27.08	69.4	5.60	6.3	SR5	8/5/2019 9:55	27.05	70.7	5.75	6.5	SR5	8/5/2019 15:55	28.23	71.6	5.79	6.5	SR5	8/5/2019 21:55	27.96	73.0	5.90	7.7
SR5	8/5/2019 4:00	27																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/5/2019 0:01	27.06	66.1	4.95	5.8	SR12	8/5/2019 6:01	27.09	66.3	4.96	6.2	SR12	8/5/2019 12:01	27.42	63.3	4.74	5.6	SR12	8/5/2019 18:01	27.65	63.2	4.73	5.7
SR12	8/5/2019 0:06	27.06	66.0	4.94	6.3	SR12	8/5/2019 6:06	27.08	67.5	5.05	6.2	SR12	8/5/2019 12:06	27.27	66.1	4.95	5.4	SR12	8/5/2019 18:06	27.68	69.5	5.20	4.9
SR12	8/5/2019 0:11	27.06	68.4	5.12	5.9	SR12	8/5/2019 6:11	27.07	67.9	5.08	5.9	SR12	8/5/2019 12:11	27.21	61.3	4.59	7.8	SR12	8/5/2019 18:11	27.73	61.5	4.60	5.3
SR12	8/5/2019 0:16	27.07	62.4	4.67	5.9	SR12	8/5/2019 6:16	27.04	64.5	4.83	6.2	SR12	8/5/2019 12:16	27.30	62.7	4.69	7.0	SR12	8/5/2019 18:16	27.76	67.2	4.64	5.1
SR12	8/5/2019 0:21	27.07	66.7	4.99	5.8	SR12	8/5/2019 6:21	27.05	66.7	4.99	5.7	SR12	8/5/2019 12:21	27.33	68.5	5.13	6.6	SR12	8/5/2019 18:21	27.75	64.1	4.80	5.1
SR12	8/5/2019 0:26	27.05	61.5	4.60	5.8	SR12	8/5/2019 6:26	27.04	63.5	4.75	6.6	SR12	8/5/2019 12:26	27.38	69.3	5.19	5.9	SR12	8/5/2019 18:26	27.80	66.4	4.58	5.7
SR12	8/5/2019 0:31	27.06	66.5	4.98	6.4	SR12	8/5/2019 6:31	27.04	66.5	4.98	6.3	SR12	8/5/2019 12:31	27.55	65.1	4.87	5.2	SR12	8/5/2019 18:31	27.81	66.4	4.59	5.1
SR12	8/5/2019 0:36	27.06	69.1	5.17	6.1	SR12	8/5/2019 6:36	27.04	62.3	4.66	6.2	SR12	8/5/2019 12:36	27.68	65.2	4.88	5.3	SR12	8/5/2019 18:36	27.84	66.6	4.60	5.8
SR12	8/5/2019 0:41	27.04	64.1	4.80	5.4	SR12	8/5/2019 6:41	27.05	68.1	5.10	5.7	SR12	8/5/2019 12:41	27.70	65.7	4.92	5.3	SR12	8/5/2019 18:41	27.88	67.3	4.65	5.1
SR12	8/5/2019 0:46	27.05	62.4	4.67	7.1	SR12	8/5/2019 6:46	27.04	68.3	5.11	5.8	SR12	8/5/2019 12:46	27.62	63.5	4.75	8.0	SR12	8/5/2019 18:46	27.88	66.3	4.58	5.6
SR12	8/5/2019 0:51	27.04	65.2	4.88	6.5	SR12	8/5/2019 6:51	27.04	61.5	4.60	6.4	SR12	8/5/2019 12:51	27.65	65.2	4.88	7.2	SR12	8/5/2019 18:51	27.90	66.5	4.60	5.9
SR12	8/5/2019 0:56	27.04	65.3	4.89	6.2	SR12	8/5/2019 6:56	27.05	62.1	4.65	6.3	SR12	8/5/2019 12:56	27.59	68.9	5.16	3.5	SR12	8/5/2019 18:56	27.90	66.3	4.59	5.3
SR12	8/5/2019 1:01	27.03	66.1	4.95	6.3	SR12	8/5/2019 7:01	27.06	63.6	4.76	6.3	SR12	8/5/2019 13:01	27.57	63.5	4.75	5.9	SR12	8/5/2019 19:01	27.91	66.1	4.58	4.9
SR12	8/5/2019 1:06	27.03	63.7	4.77	6.4	SR12	8/5/2019 7:06	27.06	62.8	4.70	6.2	SR12	8/5/2019 13:06	27.54	65.3	4.89	4.9	SR12	8/5/2019 19:06	27.92	66.4	4.60	5.5
SR12	8/5/2019 1:11	27.06	64.4	4.82	6.6	SR12	8/5/2019 7:11	27.05	62.5	4.68	6.6	SR12	8/5/2019 13:11	27.45	62.8	4.70	5.4	SR12	8/5/2019 19:11	27.92	66.2	4.59	5.5
SR12	8/5/2019 1:16	27.07	62.4	4.67	5.5	SR12	8/5/2019 7:16	27.06	63.9	4.78	6.2	SR12	8/5/2019 13:16	27.48	64.1	4.80	5.1	SR12	8/5/2019 19:16	27.93	66.5	4.61	5.5
SR12	8/5/2019 1:21	27.12	69.6	5.21	6.3	SR12	8/5/2019 7:21	27.05	68.4	5.12	6.7	SR12	8/5/2019 13:21	27.47	67.9	5.08	4.9	SR12	8/5/2019 19:21	27.93	62.1	4.65	5.6
SR12	8/5/2019 1:26	27.13	66.8	5.00	5.7	SR12	8/5/2019 7:26	27.05	65.7	4.92	5.8	SR12	8/5/2019 13:26	27.49	67.5	5.05	5.4	SR12	8/5/2019 19:26	27.93	66.0	4.58	5.4
SR12	8/5/2019 1:31	27.14	68.0	5.09	6.1	SR12	8/5/2019 7:31	27.04	64.3	4.81	6.6	SR12	8/5/2019 13:31	27.49	69.2	5.18	5.5	SR12	8/5/2019 19:31	27.92	66.4	4.60	3.6
SR12	8/5/2019 1:36	27.14	66.4	4.97	5.7	SR12	8/5/2019 7:36	27.04	67.1	5.02	5.8	SR12	8/5/2019 13:36	27.43	67.2	5.03	5.2	SR12	8/5/2019 19:36	27.93	66.3	4.60	5.4
SR12	8/5/2019 1:41	27.15	66.5	4.98	6.0	SR12	8/5/2019 7:41	27.04	66.7	4.99	6.1	SR12	8/5/2019 13:41	27.45	69.3	5.19	6.0	SR12	8/5/2019 19:41	27.94	66.6	4.62	5.6
SR12	8/5/2019 1:46	27.15	62.1	4.65	5.6	SR12	8/5/2019 7:46	27.04	67.1	5.02	6.8	SR12	8/5/2019 13:46	27.43	68.9	5.16	5.6	SR12	8/5/2019 19:46	27.94	65.9	4.93	5.9
SR12	8/5/2019 1:51	27.16	61.3	4.59	5.8	SR12	8/5/2019 7:51	27.05	67.1	5.02	5.8	SR12	8/5/2019 13:51	27.46	62.7	4.69	4.9	SR12	8/5/2019 19:51	27.93	61.7	4.62	5.7
SR12	8/5/2019 1:56	27.17	68.4	4.97	5.6	SR12	8/5/2019 7:56	27.05	64.9	4.86	5.8	SR12	8/5/2019 13:56	27.47	63.2	4.73	5.5	SR12	8/5/2019 19:56	27.94	61.7	4.62	5.1
SR12	8/5/2019 2:01	27.16	65.2	4.88	5.3	SR12	8/5/2019 8:01	27.05	63.9	4.78	5.9	SR12	8/5/2019 14:01	27.46	65.6	4.91	5.9	SR12	8/5/2019 20:01	27.94	62.7	4.69	4.9
SR12	8/5/2019 2:06	27.16	66.0	4.94	5.9	SR12	8/5/2019 8:06	27.06	66.0	4.94	5.6	SR12	8/5/2019 14:06	27.46	65.3	4.89	5.4	SR12	8/5/2019 20:06	27.95	66.9	5.01	5.3
SR12	8/5/2019 2:11	27.17	69.5	5.20	5.6	SR12	8/5/2019 8:11	27.04	64.4	4.82	5.7	SR12	8/5/2019 14:11	27.43	64.0	4.79	5.4	SR12	8/5/2019 20:11	27.95	65.1	4.87	5.2
SR12	8/5/2019 2:16	27.18	64.4	4.82	5.9	SR12	8/5/2019 8:16	27.02	66.1	4.95	6.3	SR12	8/5/2019 14:16	27.42	64.9	4.86	5.1	SR12	8/5/2019 20:16	27.95	62.1	4.85	5.6
SR12	8/5/2019 2:21	27.18	61.9	4.63	5.1	SR12	8/5/2019 8:21	27.03	64.9	4.86	6.2	SR12	8/5/2019 14:21	27.45	63.7	4.77	5.9	SR12	8/5/2019 20:21	27.96	67.1	5.02	5.0
SR12	8/5/2019 2:26	27.20	64.0	4.79	6.1	SR12	8/5/2019 8:26	27.02	64.3	4.81	5.5	SR12	8/5/2019 14:26	27.45	63.7	4.77	5.0	SR12	8/5/2019 20:26	27.94	67.3	5.04	5.5
SR12	8/5/2019 2:31	27.20	61.7	4.62	5.4	SR12	8/5/2019 8:31	27.02	65.5	4.90	5.2	SR12	8/5/2019 14:31	27.44	63.7	4.77	5.8	SR12	8/5/2019 20:31	27.95	66.6	4.63	4.8
SR12	8/5/2019 2:36	27.19	68.5	5.13	5.7	SR12	8/5/2019 8:36	27.02	66.8	5.00	5.8	SR12	8/5/2019 14:36	27.40	61.9	4.63	5.2	SR12	8/5/2019 20:36	27.96	67.2	5.03	5.3
SR12	8/5/2019 2:41	27.17	61.3	4.59	4.8	SR12	8/5/2019 8:41	27.04	68.9	5.16	5.7	SR12	8/5/2019 14:41	27.48	65.6	4.91	5.2	SR12	8/5/2019 20:41	27.95	63.6	4.76	4.9
SR12	8/5/2019 2:46	27.18	67.2	5.03	5.3	SR12	8/5/2019 8:46	27.03	63.5	4.75	6.3	SR12	8/5/2019 14:46	27.49	66.8	5.00	5.5	SR12	8/5/2019 20:46	27.96	66.3	4.61	5.4
SR12	8/5/2019 2:51	27.18	67.6	5.06	5.1	SR12	8/5/2019 8:51	27.03	66.5	4.98	5.8	SR12	8/5/2019 14:51	27.52	66.5	4.98	5.6	SR12	8/5/2019 20:51	27.96	66.1	4.95	2.3
SR12	8/5/2019 2:56	27.18	61.5	4.60	5.7	SR12	8/5/2019 8:56	27.04	65.9	4.93	5.6	SR12	8/5/2019 14:56	27.49	61.6	4.61	5.5	SR12	8/5/2019 20:56	27.95	66.7	4.64	1.7
SR12	8/5/2019 3:01	27.19	67.9	5.08	5.4	SR12	8/5/2019 9:01	27.02	65.1	4.87	6.0	SR12	8/5/2019 15:01	27.49	67.2	5.03	5.7	SR12	8/5/2019 21:01	27.98	67.3	4.69	5.4
SR12	8/5/2019 3:06	27.19	64.0	4.79	6.2	SR12	8/5/2019 9:06	27.05	62.4	4.67	5.9	SR12	8/5/2019 15:06	27.51	69.3	5.19	5.3	SR12	8/5/2019 21:06	27.98	66.7	4.99	4.8
SR12	8/5/2019 3:11	27.18	63.7	4.77	6.2	SR12	8/5/2019 9:11	27.08	68.1	5.10	6.0	SR12	8/5/2019 15:11	27.52	64.8	4.85	5.2	SR12	8/5/2019 21:11	27.97	61.7	4.62	5.1
SR12	8/5/2019 3:16	27.18	62.5	4.68	5.9	SR12	8/5/2019 9:16	27.18	65.5	4.90	6.5	SR12	8/5/2019 15:16	27.47	67.5	5.05	5.3	SR12	8/5/2019 21:16	27.97	66.9	5.01	5.0
SR12	8/5/2019 3:21	27.17	61.3	4.59	5.5	SR12	8/5/2019 9:21	27.14	62.9	4.71	6.0	SR12	8/5/2019 15:21	27.51	67.1	5.02	6.7	SR12	8/5/2019 21:21	27.94	68.1	5.10	6.1
SR12	8/5/2019 3:26	27.18	64.4	4.82	5.6	SR12	8/5/2019 9:26	27.16	64.4	4.82	5.7	SR12	8/5/2019 15:26	27.45	69.2	5.18	5.3	SR12	8/5/2019 21:26	27.92	65.5	4.90	2.4
SR12	8/5/2019 3:31	27.18	67.9	5.08	6.7	SR12	8/5/2019 9:31	27.21	62.1	4.65	6.0	SR12	8/5/2019 15:31	27.37	67.2	5.03	5.7	SR12	8/5/2019 21:31	27.97	68.0	5.09	5.6
SR12	8/5/2019 3:36	27.18	67.5	5.05	5.9	SR12	8/5/2019 9:36	27.23	63.5	4.75	6.0	SR12	8/5/2019 15:36	27.45	63.5	4.75	5.3	SR12	8/5/2019 21:36	27.96	64.8	4.85	6.5
SR12	8/5/2019 3:41	27.18	61.9	4.63	5.7	SR12	8/5/2019 9:41	27.26	62.8	4.70	6.3	SR12	8/5/2019 15:41	27.38	68.8	5.15	5.0	SR12	8/5/2019 21:41	27.94	61.3	4.59	6.3
SR12	8/5/2019 3:46	27.17	62.8	4.70	6.2	SR12	8/5/2019 9:46	27.30	64.0	4.79	6.0	SR12	8/5/2019 15:46	27.43	66.5	4.98	5.8	SR12	8/5/2019 21:46	27.85	65.6	4.91	5.5
SR12	8/5/2019 3:51	27.17	67.6	5.06	5.5	SR12	8/5/2019 9:51	27.29	66.0	4.94	5.9	SR12	8/5/2019 15:51	27.40	62.1	4.65	6.0	SR12	8/5/2019 21:51	27.75	66.4	4.97	5.2
SR12	8/5/2019 3:56	27.16	62.5	4.68	5.4	SR12	8/5/2019 9:56	27															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/5/2019 0:00	27.57	70.8	5.45	6.2	SR13	8/5/2019 6:00	27.59	69.7	5.38	6.0	SR13	8/5/2019 12:00	27.83	69.5	5.37	5.7	SR13	8/5/2019 18:00	28.54	68.3	5.26	5.4
SR13	8/5/2019 0:05	27.58	69.5	5.36	5.4	SR13	8/5/2019 6:05	27.59	68.8	5.33	5.5	SR13	8/5/2019 12:05	27.76	69.5	5.38	6.2	SR13	8/5/2019 18:05	28.53	69.6	5.21	5.8
SR13	8/5/2019 0:10	27.58	69.1	5.33	6.5	SR13	8/5/2019 6:10	27.59	67.5	5.23	5.7	SR13	8/5/2019 12:10	27.79	70.1	5.42	6.8	SR13	8/5/2019 18:10	28.53	69.5	5.20	5.3
SR13	8/5/2019 0:15	27.58	68.8	5.32	5.7	SR13	8/5/2019 6:15	27.58	69.3	5.36	6.1	SR13	8/5/2019 12:15	27.92	69.2	5.34	5.6	SR13	8/5/2019 18:15	28.55	69.6	5.21	5.9
SR13	8/5/2019 0:20	27.58	68.7	5.30	6.2	SR13	8/5/2019 6:20	27.58	69.0	5.35	6.1	SR13	8/5/2019 12:20	27.95	69.9	5.38	6.5	SR13	8/5/2019 18:20	28.57	69.9	5.23	6.4
SR13	8/5/2019 0:25	27.57	66.6	5.14	6.6	SR13	8/5/2019 6:25	27.59	68.6	5.31	5.6	SR13	8/5/2019 12:25	27.94	70.2	5.42	6.0	SR13	8/5/2019 18:25	28.56	69.5	5.34	6.3
SR13	8/5/2019 0:30	27.58	66.9	5.17	6.6	SR13	8/5/2019 6:30	27.60	68.6	5.32	5.7	SR13	8/5/2019 12:30	28.02	68.2	5.26	6.4	SR13	8/5/2019 18:30	28.60	68.7	5.28	6.1
SR13	8/5/2019 0:35	27.58	68.4	5.28	6.1	SR13	8/5/2019 6:35	27.61	67.7	5.25	5.5	SR13	8/5/2019 12:35	28.06	68.2	5.26	6.2	SR13	8/5/2019 18:35	28.65	69.3	5.33	6.0
SR13	8/5/2019 0:40	27.57	68.0	5.24	5.0	SR13	8/5/2019 6:40	27.62	67.3	5.20	5.4	SR13	8/5/2019 12:40	28.02	69.3	5.34	5.9	SR13	8/5/2019 18:40	28.62	69.7	5.36	5.6
SR13	8/5/2019 0:45	27.57	68.3	5.27	5.8	SR13	8/5/2019 6:45	27.64	68.2	5.27	5.1	SR13	8/5/2019 12:45	28.02	69.6	5.37	5.6	SR13	8/5/2019 18:45	28.62	71.9	5.52	6.6
SR13	8/5/2019 0:50	27.57	70.2	5.42	6.3	SR13	8/5/2019 6:50	27.65	66.9	5.18	5.5	SR13	8/5/2019 12:50	28.01	69.1	5.33	6.3	SR13	8/5/2019 18:50	28.62	71.1	5.46	6.6
SR13	8/5/2019 0:55	27.58	68.3	5.27	6.3	SR13	8/5/2019 6:55	27.67	69.0	5.32	6.2	SR13	8/5/2019 12:55	28.11	69.6	5.36	5.9	SR13	8/5/2019 18:55	28.61	69.5	5.34	6.2
SR13	8/5/2019 1:00	27.58	67.2	5.19	5.9	SR13	8/5/2019 7:00	27.67	69.3	5.35	5.8	SR13	8/5/2019 13:00	28.12	69.2	5.33	5.4	SR13	8/5/2019 19:00	28.61	71.0	5.44	5.8
SR13	8/5/2019 1:05	27.58	67.9	5.23	5.6	SR13	8/5/2019 7:05	27.66	68.3	5.28	6.1	SR13	8/5/2019 13:05	28.12	68.3	5.26	5.9	SR13	8/5/2019 19:05	28.61	72.0	5.52	6.2
SR13	8/5/2019 1:10	27.58	67.4	5.21	5.0	SR13	8/5/2019 7:10	27.64	68.8	5.32	5.8	SR13	8/5/2019 13:10	28.01	68.2	5.28	6.5	SR13	8/5/2019 19:10	28.62	71.8	5.37	5.7
SR13	8/5/2019 1:15	27.57	70.3	5.43	6.9	SR13	8/5/2019 7:15	27.63	69.4	5.36	5.5	SR13	8/5/2019 13:15	28.01	67.2	5.21	5.6	SR13	8/5/2019 19:15	28.64	72.3	5.55	6.1
SR13	8/5/2019 1:20	27.57	67.0	5.19	5.1	SR13	8/5/2019 7:20	27.63	69.7	5.41	6.1	SR13	8/5/2019 13:20	28.02	68.9	5.34	5.4	SR13	8/5/2019 19:20	28.65	70.7	5.42	5.7
SR13	8/5/2019 1:25	27.57	68.9	5.32	6.8	SR13	8/5/2019 7:25	27.62	67.6	5.24	5.3	SR13	8/5/2019 13:25	28.01	69.4	5.37	5.3	SR13	8/5/2019 19:25	28.65	72.6	5.43	5.6
SR13	8/5/2019 1:30	27.59	69.8	5.38	6.0	SR13	8/5/2019 7:30	27.62	68.4	5.30	5.5	SR13	8/5/2019 13:30	28.00	68.9	5.33	5.5	SR13	8/5/2019 19:30	28.66	72.4	5.55	4.5
SR13	8/5/2019 1:35	27.58	67.0	5.18	5.9	SR13	8/5/2019 7:35	27.61	69.1	5.36	5.6	SR13	8/5/2019 13:35	28.01	67.4	5.22	5.8	SR13	8/5/2019 19:35	28.66	72.0	5.37	4.9
SR13	8/5/2019 1:40	27.59	69.3	5.35	5.5	SR13	8/5/2019 7:40	27.60	69.5	5.37	6.5	SR13	8/5/2019 13:40	27.98	69.7	5.39	5.9	SR13	8/5/2019 19:40	28.67	72.7	5.44	5.2
SR13	8/5/2019 1:45	27.58	68.2	5.25	5.9	SR13	8/5/2019 7:45	27.57	69.7	5.41	5.8	SR13	8/5/2019 13:45	28.00	70.2	5.43	5.1	SR13	8/5/2019 19:45	28.67	72.2	5.54	6.0
SR13	8/5/2019 1:50	27.58	67.1	5.18	5.6	SR13	8/5/2019 7:50	27.61	71.4	5.53	6.4	SR13	8/5/2019 13:50	28.23	68.3	5.25	6.1	SR13	8/5/2019 19:50	28.66	70.1	5.38	6.1
SR13	8/5/2019 1:55	27.56	67.9	5.25	5.5	SR13	8/5/2019 7:55	27.65	70.2	5.42	6.7	SR13	8/5/2019 13:55	28.17	69.7	5.36	5.9	SR13	8/5/2019 19:55	28.65	72.4	5.56	6.0
SR13	8/5/2019 2:00	27.55	67.2	5.19	5.3	SR13	8/5/2019 8:00	27.63	68.8	5.32	6.0	SR13	8/5/2019 14:00	28.18	69.8	5.38	6.5	SR13	8/5/2019 20:00	28.65	72.7	5.58	6.2
SR13	8/5/2019 2:05	27.56	67.7	5.23	5.3	SR13	8/5/2019 8:05	27.64	69.6	5.38	5.9	SR13	8/5/2019 14:05	28.10	69.8	5.39	5.9	SR13	8/5/2019 20:05	28.64	71.8	5.51	5.3
SR13	8/5/2019 2:10	27.55	69.8	5.39	6.1	SR13	8/5/2019 8:10	27.65	66.9	5.19	6.7	SR13	8/5/2019 14:10	28.09	69.6	5.39	5.4	SR13	8/5/2019 20:10	28.64	72.5	5.56	6.5
SR13	8/5/2019 2:15	27.54	70.0	5.39	5.1	SR13	8/5/2019 8:15	27.67	67.2	5.22	5.6	SR13	8/5/2019 14:15	28.25	67.9	5.25	6.5	SR13	8/5/2019 20:15	28.64	71.4	5.49	6.6
SR13	8/5/2019 2:20	27.55	67.8	5.25	5.4	SR13	8/5/2019 8:20	27.66	67.0	5.18	6.1	SR13	8/5/2019 14:20	28.21	70.4	5.45	5.8	SR13	8/5/2019 20:20	28.61	69.9	5.36	6.1
SR13	8/5/2019 2:25	27.54	68.2	5.26	5.4	SR13	8/5/2019 8:25	27.67	67.7	5.25	5.7	SR13	8/5/2019 14:25	28.16	69.3	5.37	5.4	SR13	8/5/2019 20:25	28.56	72.0	5.53	6.7
SR13	8/5/2019 2:30	27.54	70.1	5.42	5.9	SR13	8/5/2019 8:30	27.68	67.7	5.25	6.1	SR13	8/5/2019 14:30	28.14	67.0	5.18	6.7	SR13	8/5/2019 20:30	28.52	71.6	5.49	6.3
SR13	8/5/2019 2:35	27.53	67.9	5.25	5.0	SR13	8/5/2019 8:35	27.65	67.8	5.25	6.2	SR13	8/5/2019 14:35	28.17	68.6	5.32	6.2	SR13	8/5/2019 20:35	28.51	70.1	5.39	5.6
SR13	8/5/2019 2:40	27.53	68.3	5.27	4.9	SR13	8/5/2019 8:40	27.66	67.3	5.21	6.0	SR13	8/5/2019 14:40	28.14	68.2	5.28	6.2	SR13	8/5/2019 20:40	28.49	71.2	5.46	6.3
SR13	8/5/2019 2:45	27.53	69.5	5.38	5.2	SR13	8/5/2019 8:45	27.67	68.4	5.31	6.1	SR13	8/5/2019 14:45	28.19	69.7	5.38	6.3	SR13	8/5/2019 20:45	28.47	69.9	5.37	5.7
SR13	8/5/2019 2:50	27.52	70.6	5.46	6.4	SR13	8/5/2019 8:50	27.67	69.0	5.34	4.8	SR13	8/5/2019 14:50	28.20	69.6	5.38	5.6	SR13	8/5/2019 20:50	28.46	70.8	5.44	6.1
SR13	8/5/2019 2:55	27.52	67.8	5.25	5.1	SR13	8/5/2019 8:55	27.67	69.2	5.36	5.7	SR13	8/5/2019 14:55	28.22	70.2	5.44	6.0	SR13	8/5/2019 20:55	28.51	70.6	5.43	6.0
SR13	8/5/2019 3:00	27.51	69.9	5.40	4.8	SR13	8/5/2019 9:00	27.66	68.2	5.28	5.5	SR13	8/5/2019 15:00	28.22	69.7	5.39	5.9	SR13	8/5/2019 21:00	28.48	71.5	5.49	4.2
SR13	8/5/2019 3:05	27.52	67.9	5.24	5.6	SR13	8/5/2019 9:05	27.67	68.5	5.31	3.8	SR13	8/5/2019 15:05	28.20	69.8	5.40	6.3	SR13	8/5/2019 21:05	28.43	70.7	5.44	4.0
SR13	8/5/2019 3:10	27.52	71.1	5.48	5.0	SR13	8/5/2019 9:10	27.63	68.7	5.34	5.3	SR13						SR13	8/5/2019 21:10	28.48	67.7	5.20	6.6
SR13	8/5/2019 3:15	27.51	68.1	5.26	5.7	SR13	8/5/2019 9:15	27.60	66.9	5.20	5.5	SR13						SR13	8/5/2019 21:15	28.46	68.8	5.30	6.3
SR13	8/5/2019 3:20	27.51	68.2	5.27	5.8	SR13	8/5/2019 9:20	27.63	67.0	5.19	5.8	SR13						SR13	8/5/2019 21:20	28.42	69.9	5.37	6.1
SR13	8/5/2019 3:25	27.50	69.3	5.36	5.1	SR13	8/5/2019 9:25	27.64	67.2	5.22	5.2	SR13						SR13	8/5/2019 21:25	28.42	68.1	5.26	6.8
SR13	8/5/2019 3:30	27.51	69.7	5.39	6.1	SR13	8/5/2019 9:30	27.60	69.0	5.35	6.4	SR13						SR13	8/5/2019 21:30	28.40	67.3	5.20	6.2
SR13	8/5/2019 3:35	27.52	67.4	5.20	6.2	SR13	8/5/2019 9:35	27.60	67.8	5.26	5.7	SR13	8/5/2019 15:35	28.28	68.0	5.27	4.9	SR13	8/5/2019 21:35	28.37	68.0	5.26	6.1
SR13	8/5/2019 3:40	27.52	68.9	5.33	5.7	SR13	8/5/2019 9:40	27.62	69.8	5.41	6.0	SR13	8/5/2019 15:40	28.30	69.3	5.36	5.3	SR13	8/5/2019 21:40	28.37	68.7	5.31	6.2
SR13	8/5/2019 3:45	27.54	68.2	5.29	5.7	SR13	8/5/2019 9:45	27.61	70.3	5.44	5.9	SR13	8/5/2019 15:45	28.30	69.4	5.38	5.3	SR13	8/5/2019 21:45	28.32	68.5	5.31	6.1
SR13	8/5/2019 3:50	27.55	68.9	5.32	5.3	SR13	8/5/2019 9:50	27.62	70.3	5.44	6.2	SR13	8/5/2019 15:50	28.36	67.4	5.22	6.8	SR13	8/5/2019 21:50	28.30	67.6	5.23	6.7
SR13	8/5/2019 3:55	27.54	66.9	5.17	6.0	SR13	8/5/2019 9:55	27.58	68.3	5.30	5.5	SR13	8/5/2019 15:55	28.38	70.1	5.42	5.8	SR13	8/5/2019 21:55	28.29	69.0	5.34	6.0
SR13	8/																						

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/5/2019 0:17	0.31				SR12	8/5/2019 0:17	0.31			
SR4	8/5/2019 0:37	0.31				SR12	8/5/2019 0:37	0.31			
SR4	8/5/2019 0:57	0.30				SR12	8/5/2019 0:57	0.32			
SR4	8/5/2019 1:17	0.32				SR12	8/5/2019 1:17	0.31			
SR4	8/5/2019 1:37	0.32				SR12	8/5/2019 1:37	0.32			
SR4	8/5/2019 1:57	0.31				SR12	8/5/2019 1:57	0.30			
SR4	8/5/2019 2:17	0.31				SR12	8/5/2019 2:17	0.32			
SR4	8/5/2019 2:37	0.30				SR12	8/5/2019 2:37	0.32			
SR4	8/5/2019 2:57	0.32				SR12	8/5/2019 2:57	0.32			
SR4	8/5/2019 3:17	0.32				SR12	8/5/2019 3:17	0.31			
SR4	8/5/2019 3:37	0.31				SR12	8/5/2019 3:37	0.32			
SR4	8/5/2019 3:57	0.31				SR12	8/5/2019 3:57	0.30			
SR4	8/5/2019 4:17	0.30				SR12	8/5/2019 4:17	0.30			
SR4	8/5/2019 4:37	0.30				SR12	8/5/2019 4:37	0.31			
SR4	8/5/2019 4:57	0.31				SR12	8/5/2019 4:57	0.31			
SR4	8/5/2019 5:17	0.31				SR12	8/5/2019 5:17	0.32			
SR4	8/5/2019 5:37	0.31				SR12	8/5/2019 5:37	0.31			
SR4	8/5/2019 5:57	0.31				SR12	8/5/2019 5:57	0.32			
SR4						SR12					
SR4	8/5/2019 6:37	0.31				SR12	8/5/2019 6:37	0.31			
SR4	8/5/2019 6:57	0.30				SR12	8/5/2019 6:57	0.32			
SR4	8/5/2019 7:17	0.31				SR12	8/5/2019 7:17	0.31			
SR4	8/5/2019 7:37	0.31				SR12	8/5/2019 7:37	0.31			
SR4	8/5/2019 7:57	0.29				SR12	8/5/2019 7:57	0.32			
SR4	8/5/2019 8:17	0.31				SR12	8/5/2019 8:17	0.30			
SR4	8/5/2019 8:37	0.29				SR12	8/5/2019 8:37	0.31			
SR4	8/5/2019 8:57	0.31				SR12	8/5/2019 8:57	0.30			
SR4	8/5/2019 9:17	0.31				SR12	8/5/2019 9:17	0.31			
SR4	8/5/2019 9:37	0.29				SR12	8/5/2019 9:37	0.31			
SR4	8/5/2019 9:57	0.30				SR12	8/5/2019 9:57	0.31			
SR4	8/5/2019 10:17	0.28				SR12					
SR4	8/5/2019 10:37	0.29				SR12					
SR4	8/5/2019 10:57	0.28				SR12					
SR4	8/5/2019 11:17	0.28				SR12					
SR4	8/5/2019 11:37	0.27				SR12	8/5/2019 11:37	0.31			
SR4	8/5/2019 11:57	0.28				SR12	8/5/2019 11:57	0.31			
SR4						SR12	8/5/2019 12:17	0.31			
SR4						SR12	8/5/2019 12:37	0.31			
SR4						SR12	8/5/2019 12:57	0.31			
SR4						SR12	8/5/2019 13:17	0.32			
SR4						SR12	8/5/2019 13:37	0.32			
SR4	8/5/2019 13:57	0.27				SR12	8/5/2019 13:57	0.30			
SR4	8/5/2019 14:17	0.29				SR12	8/5/2019 14:17	0.29			
SR4	8/5/2019 14:37	0.30				SR12	8/5/2019 14:37	0.27			
SR4	8/5/2019 14:57	0.30				SR12	8/5/2019 14:57	0.30			
SR4	8/5/2019 15:17	0.30				SR12	8/5/2019 15:17	0.27			
SR4	8/5/2019 15:37	0.30				SR12	8/5/2019 15:37	0.29			
SR4	8/5/2019 15:57	0.28				SR12	8/5/2019 15:57	0.27			
SR4	8/5/2019 16:17	0.29				SR12	8/5/2019 16:17	0.29			
SR4	8/5/2019 16:37	0.30				SR12	8/5/2019 16:37	0.28			
SR4	8/5/2019 16:57	0.30				SR12	8/5/2019 16:57	0.27			
SR4	8/5/2019 17:17	0.27				SR12	8/5/2019 17:17	0.28			
SR4	8/5/2019 17:37	0.27				SR12	8/5/2019 17:37	0.28			
SR4	8/5/2019 17:57	0.26				SR12	8/5/2019 17:57	0.29			
SR4	8/5/2019 18:17	0.27				SR12	8/5/2019 18:17	0.27			
SR4	8/5/2019 18:37	0.25				SR12	8/5/2019 18:37	0.29			
SR4	8/5/2019 18:57	0.25				SR12	8/5/2019 18:57	0.27			
SR4	8/5/2019 19:17	0.25				SR12	8/5/2019 19:17	0.29			
SR4	8/5/2019 19:37	0.25				SR12	8/5/2019 19:37	0.29			
SR4	8/5/2019 19:57	0.26				SR12	8/5/2019 19:57	0.29			
SR4	8/5/2019 20:17	0.25				SR12	8/5/2019 20:17	0.27			
SR4	8/5/2019 20:37	0.26				SR12	8/5/2019 20:37	0.28			
SR4	8/5/2019 20:57	0.27				SR12	8/5/2019 20:57	0.27			
SR4	8/5/2019 21:17	0.25				SR12	8/5/2019 21:17	0.27			
SR4	8/5/2019 21:37	0.26				SR12	8/5/2019 21:37	0.26			
SR4	8/5/2019 21:57	0.27				SR12	8/5/2019 21:57	0.26			
SR4	8/5/2019 22:17	0.26				SR12	8/5/2019 22:17	0.27			
SR4	8/5/2019 22:37	0.27				SR12	8/5/2019 22:37	0.25			
SR4	8/5/2019 22:57	0.25				SR12	8/5/2019 22:57	0.25			
SR4	8/5/2019 23:17	0.27				SR12	8/5/2019 23:17	0.26			
SR4	8/5/2019 23:37	0.25				SR12	8/5/2019 23:37	0.26			
SR4	8/5/2019 23:57	0.26				SR12	8/5/2019 23:57	0.26			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH₃-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR4 monitoring station was under maintenance during 12:11-13:21.
 SR12 monitoring station was under maintenance during 10:11-11:16.
 SR13 monitoring station was under maintenance during 15:05-15:35.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/6/2019 0:01	27.93	59.8	4.07	5.7	SR4	8/6/2019 6:01	27.80	45.6	4.73	5.1	SR4	8/6/2019 12:01	27.61	64.5	4.36	5.3	SR4	8/6/2019 18:01	27.86	62.7	4.23	9.7
SR4	8/6/2019 0:06	27.94	57.2	3.90	5.5	SR4	8/6/2019 6:06	27.81	38.7	4.24	9.7	SR4	8/6/2019 12:06	27.61	64.1	4.33	9.7	SR4	8/6/2019 18:06	27.86	65.5	4.41	5.3
SR4	8/6/2019 0:11	27.95	62.7	4.27	7.2	SR4	8/6/2019 6:11	27.78	48.5	4.28	9.6	SR4	8/6/2019 12:11	27.64	65.9	4.46	9.6	SR4	8/6/2019 18:11	27.84	63.5	4.31	9.6
SR4	8/6/2019 0:16	27.89	61.9	4.23	5.6	SR4	8/6/2019 6:16	27.79	47.7	4.27	5.5	SR4	8/6/2019 12:16	27.66	64.6	4.37	9.1	SR4	8/6/2019 18:16	27.84	59.2	3.99	8.2
SR4	8/6/2019 0:21	27.89	62.0	4.24	5.5	SR4	8/6/2019 6:21	27.76	46.1	4.69	9.8	SR4	8/6/2019 12:21	27.66	62.7	4.24	9.2	SR4	8/6/2019 18:21	27.85	60.2	4.69	6.1
SR4	8/6/2019 0:26	27.88	59.4	4.07	9.9	SR4	8/6/2019 6:26	27.74	48.6	4.19	5.1	SR4	8/6/2019 12:26	27.70	66.6	4.51	9.4	SR4	8/6/2019 18:26	27.70	63.7	5.00	6.0
SR4	8/6/2019 0:31	27.91	59.5	4.06	5.2	SR4	8/6/2019 6:31	27.71	50.2	4.68	5.1	SR4	8/6/2019 12:31	27.70	67.5	4.57	9.5	SR4	8/6/2019 18:31	27.61	73.5	5.77	6.2
SR4	8/6/2019 0:36	27.91	61.4	4.20	5.2	SR4	8/6/2019 6:36	27.69	51.4	4.17	5.3	SR4	8/6/2019 12:36	27.71	68.5	4.64	9.9	SR4	8/6/2019 18:36	27.34	97.1	7.67	8.7
SR4	8/6/2019 0:41	27.93	62.2	4.26	5.3	SR4	8/6/2019 6:41	27.66	55.6	4.29	6.2	SR4	8/6/2019 12:41	27.73	66.7	4.52	9.4	SR4	8/6/2019 18:41	27.27	97.2	7.69	8.1
SR4	8/6/2019 0:46	27.95	61.4	4.20	5.5	SR4	8/6/2019 6:46	27.70	43.6	4.11	5.5	SR4	8/6/2019 12:46	27.74	67.8	4.59	9.9	SR4	8/6/2019 18:46	27.17	97.3	7.71	8.1
SR4	8/6/2019 0:51	27.98	60.5	4.13	5.4	SR4	8/6/2019 6:51	27.67	53.6	4.48	6.1	SR4	8/6/2019 12:51	27.74	67.4	4.56	9.4	SR4	8/6/2019 18:51	27.82	64.2	4.32	8.5
SR4	8/6/2019 0:56	27.97	58.5	3.99	5.3	SR4	8/6/2019 6:56	27.67	53.0	4.36	6.6	SR4	8/6/2019 12:56	27.72	66.4	4.50	9.5	SR4	8/6/2019 18:56	27.81	65.2	4.38	8.4
SR4	8/6/2019 1:01	28.01	59.9	4.08	5.6	SR4	8/6/2019 7:01	27.67	53.5	4.62	6.3	SR4	8/6/2019 13:01	27.77	68.9	4.67	9.4	SR4	8/6/2019 19:01	27.80	66.3	4.46	9.4
SR4	8/6/2019 1:06	28.00	59.8	4.07	5.3	SR4	8/6/2019 7:06	27.62	38.7	4.63	6.0	SR4	8/6/2019 13:06	27.77	67.8	4.59	20.7	SR4	8/6/2019 19:06	27.79	61.2	4.12	8.3
SR4	8/6/2019 1:11	27.93	62.7	4.29	5.5	SR4	8/6/2019 7:11	27.66	40.1	4.44	5.3	SR4	8/6/2019 13:11	27.77	65.6	4.45	9.9	SR4	8/6/2019 19:11	27.77	56.6	3.82	7.7
SR4	8/6/2019 1:16	27.93	61.3	4.19	5.2	SR4	8/6/2019 7:16	27.69	45.8	4.63	5.3	SR4	8/6/2019 13:16	27.71	64.6	4.37	8.8	SR4	8/6/2019 19:16	27.79	55.1	4.82	8.2
SR4	8/6/2019 1:21	27.92	62.5	4.28	5.5	SR4	8/6/2019 7:21	27.68	50.6	4.12	5.5	SR4	8/6/2019 13:21	27.75	65.0	4.40	10.6	SR4	8/6/2019 19:21	27.78	54.2	4.42	8.5
SR4	8/6/2019 1:26	27.92	63.1	4.31	5.3	SR4	8/6/2019 7:26	27.66	54.1	4.50	6.0	SR4	8/6/2019 13:26	27.75	65.8	4.45	5.1	SR4	8/6/2019 19:26	27.81	66.0	4.45	8.8
SR4	8/6/2019 1:31	27.93	63.2	4.32	5.4	SR4	8/6/2019 7:31	27.68	51.8	4.56	6.3	SR4	8/6/2019 13:31	27.74	67.4	4.56	8.9	SR4	8/6/2019 19:31	27.82	69.2	4.67	9.3
SR4	8/6/2019 1:36	27.96	64.6	4.41	5.5	SR4	8/6/2019 7:36	27.66	57.8	3.92	6.4	SR4	8/6/2019 13:36	27.73	66.7	4.51	9.9	SR4	8/6/2019 19:36	27.89	72.1	4.87	9.7
SR4	8/6/2019 1:41	27.96	65.0	4.43	5.8	SR4	8/6/2019 7:41	27.65	58.6	3.97	6.5	SR4	8/6/2019 13:41	27.71	64.7	4.38	9.8	SR4	8/6/2019 19:41	27.91	71.5	4.83	8.8
SR4	8/6/2019 1:46	27.96	64.6	4.40	5.8	SR4	8/6/2019 7:46	27.62	59.9	4.06	6.5	SR4	8/6/2019 13:46	27.72	66.1	4.47	5.1	SR4	8/6/2019 19:46	27.92	72.3	4.89	9.3
SR4	8/6/2019 1:51	27.95	62.4	4.26	5.6	SR4	8/6/2019 7:51	27.65	57.8	3.92	6.2	SR4	8/6/2019 13:51	27.73	65.6	4.44	9.7	SR4	8/6/2019 19:51	27.94	72.0	4.87	9.0
SR4	8/6/2019 1:56	27.96	60.7	4.13	5.4	SR4	8/6/2019 7:56	27.60	60.8	4.13	6.7	SR4	8/6/2019 13:56	27.75	68.6	4.64	5.2	SR4	8/6/2019 19:56	27.86	66.1	4.48	8.4
SR4	8/6/2019 2:01	27.97	64.3	4.39	5.7	SR4	8/6/2019 8:01	27.60	65.0	4.41	6.9	SR4	8/6/2019 14:01	27.76	67.0	4.53	9.7	SR4	8/6/2019 20:01	27.89	68.3	4.62	8.6
SR4	8/6/2019 2:06	27.97	62.2	4.24	5.7	SR4	8/6/2019 8:06	27.59	64.2	4.37	6.3	SR4	8/6/2019 14:06	27.77	65.5	4.44	9.5	SR4	8/6/2019 20:06	27.95	70.4	4.77	8.6
SR4	8/6/2019 2:11	27.96	63.7	4.35	5.7	SR4	8/6/2019 8:11	27.58	65.6	4.46	6.3	SR4	8/6/2019 14:11	27.78	66.4	4.49	9.6	SR4	8/6/2019 20:11	27.91	70.4	4.76	9.4
SR4	8/6/2019 2:16	27.95	58.0	3.96	5.3	SR4	8/6/2019 8:16	27.59	66.4	4.51	5.7	SR4	8/6/2019 14:16	27.79	67.8	4.59	9.6	SR4	8/6/2019 20:16	27.92	71.1	4.81	8.8
SR4	8/6/2019 2:21	27.96	61.4	4.19	5.6	SR4	8/6/2019 8:21	27.59	66.0	4.49	6.5	SR4	8/6/2019 14:21	27.80	68.3	4.62	9.7	SR4	8/6/2019 20:21	27.93	69.6	4.71	8.2
SR4	8/6/2019 2:26	27.96	57.7	3.93	5.3	SR4	8/6/2019 8:26	27.61	63.9	4.34	6.5	SR4	8/6/2019 14:26	27.82	70.4	4.76	9.9	SR4	8/6/2019 20:26	27.96	72.2	4.88	9.3
SR4	8/6/2019 2:31	27.95	59.9	4.08	5.7	SR4	8/6/2019 8:31	27.60	64.1	4.36	6.3	SR4	8/6/2019 14:31	27.85	71.0	4.80	5.1	SR4	8/6/2019 20:31	27.97	73.6	4.98	9.5
SR4	8/6/2019 2:36	27.95	63.1	4.30	5.5	SR4	8/6/2019 8:36	27.60	68.0	4.62	6.3	SR4	8/6/2019 14:36	27.87	70.2	4.74	9.7	SR4	8/6/2019 20:36	27.98	72.8	4.93	8.7
SR4	8/6/2019 2:41	27.95	58.6	4.00	5.2	SR4	8/6/2019 8:41	27.61	70.8	4.82	6.6	SR4	8/6/2019 14:41	27.86	70.0	4.73	9.8	SR4	8/6/2019 20:41	28.04	74.5	5.06	8.8
SR4	8/6/2019 2:46	27.95	56.1	3.83	5.1	SR4	8/6/2019 8:46	27.61	67.0	4.56	6.2	SR4	8/6/2019 14:46	27.93	70.5	4.76	9.4	SR4	8/6/2019 20:46	28.02	74.1	5.02	8.9
SR4	8/6/2019 2:51	27.94	59.4	4.05	5.6	SR4	8/6/2019 8:51	27.60	67.1	4.56	6.4	SR4	8/6/2019 14:51	27.90	70.8	4.78	9.9	SR4	8/6/2019 20:51	28.02	74.7	5.06	9.0
SR4	8/6/2019 2:56	27.89	59.4	4.06	5.2	SR4	8/6/2019 8:56	27.60	68.1	4.63	6.3	SR4	8/6/2019 14:56	27.77	66.2	4.47	9.5	SR4	8/6/2019 20:56	28.02	73.3	4.98	9.3
SR4	8/6/2019 3:01	27.91	60.2	4.11	6.4	SR4	8/6/2019 9:01	27.61	68.6	4.67	6.6	SR4	8/6/2019 15:01	27.85	69.0	4.66	9.5	SR4	8/6/2019 21:01	28.03	73.0	4.95	8.9
SR4	8/6/2019 3:06	27.92	59.2	4.05	6.7	SR4	8/6/2019 9:06	27.61	68.4	4.66	6.5	SR4	8/6/2019 15:06	27.84	67.8	4.58	5.2	SR4	8/6/2019 21:06	28.09	69.2	4.70	9.4
SR4	8/6/2019 3:11	27.94	58.3	3.97	5.6	SR4	8/6/2019 9:11	27.61	64.6	4.40	6.4	SR4	8/6/2019 15:11	27.89	69.7	4.71	8.3	SR4	8/6/2019 21:11	28.12	67.4	4.58	9.8
SR4	8/6/2019 3:16	27.85	56.8	3.89	5.4	SR4	8/6/2019 9:16	27.59	62.3	4.24	6.7	SR4	8/6/2019 15:16	27.89	67.6	4.56	8.4	SR4	8/6/2019 21:16	28.11	67.8	4.60	9.4
SR4	8/6/2019 3:21	27.88	59.1	4.04	5.6	SR4	8/6/2019 9:21	27.60	62.1	4.22	5.7	SR4	8/6/2019 15:21	27.93	70.6	4.76	8.1	SR4	8/6/2019 21:21	28.12	69.5	4.71	5.2
SR4	8/6/2019 3:26	27.88	55.1	4.78	5.4	SR4	8/6/2019 9:26	27.60	63.2	4.30	6.0	SR4	8/6/2019 15:26	27.97	71.3	4.81	7.7	SR4	8/6/2019 21:26	28.12	69.8	4.74	5.3
SR4	8/6/2019 3:31	27.92	57.0	3.89	5.2	SR4	8/6/2019 9:31	27.57	62.1	4.22	6.3	SR4	8/6/2019 15:31	27.94	69.0	4.66	8.1	SR4	8/6/2019 21:31	28.12	70.4	4.78	5.2
SR4	8/6/2019 3:36	27.92	57.3	3.90	5.3	SR4	8/6/2019 9:36	27.51	65.2	4.42	6.9	SR4	8/6/2019 15:36	27.98	69.6	4.69	8.6	SR4	8/6/2019 21:36	28.11	71.0	4.82	5.2
SR4	8/6/2019 3:41	27.92	56.6	3.86	5.2	SR4	8/6/2019 9:41	27.52	64.6	4.38	6.0	SR4	8/6/2019 15:41	27.93	67.6	4.57	8.5	SR4	8/6/2019 21:41	28.12	68.4	4.65	5.2
SR4	8/6/2019 3:46	27.89	50.4	4.66	9.9	SR4	8/6/2019 9:46	27.51	63.2	4.28	6.9	SR4	8/6/2019 15:46	27.90	67.9	4.58	8.9	SR4	8/6/2019 21:46	28.04	65.6	4.47	15.7
SR4	8/6/2019 3:51	27.88	58.1	3.97	5.8	SR4	8/6/2019 9:51	27.45	61.6	4.16	6.9	SR4	8/6/2019 15:51	27.95	67.1	4.53	7.8	SR4	8/6/2019 21:51	28.11	67.5	4.59	5.2
SR4	8/6/2019 3:56	27.87	57.6	3.94	5.5	SR4	8/6/2019 9:56	27.44	61.8	4.17	7.1	SR4	8/6/2019 15:56	27.93	67.3	4.56	8.0	SR4	8/6/2019 21:56	28.11	64.5	4.39	5.4
SR4	8/6/2019 4:01																						

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/6/2019 0:00	27.41	71.5	5.76	6.0	SR5	8/6/2019 6:00	27.92	73.4	5.95	8.8	SR5	8/6/2019 12:00	27.43	72.1	5.80	7.2	SR5	8/6/2019 18:00	28.48	71.5	5.74	6.9
SR5	8/6/2019 0:05	27.39	72.1	5.81	8.0	SR5	8/6/2019 6:05	27.92	72.3	5.85	6.5	SR5	8/6/2019 12:05	27.42	71.1	5.72	4.7	SR5	8/6/2019 18:05	28.42	71.5	5.73	7.2
SR5	8/6/2019 0:10	27.37	71.8	5.81	6.8	SR5	8/6/2019 6:10	27.91	73.2	5.95	7.1	SR5	8/6/2019 12:10	27.42	71.8	5.79	6.2	SR5	8/6/2019 18:10	28.46	70.6	5.65	7.0
SR5	8/6/2019 0:15	27.37	72.1	5.85	7.5	SR5	8/6/2019 6:15	27.93	73.0	5.91	8.1	SR5	8/6/2019 12:15	27.42	72.2	5.80	5.7	SR5	8/6/2019 18:15	28.44	69.4	5.54	7.7
SR5	8/6/2019 0:20	27.35	72.0	5.81	7.3	SR5	8/6/2019 6:20	27.93	72.5	5.87	7.2	SR5	8/6/2019 12:20	27.42	72.4	5.86	8.1	SR5	8/6/2019 18:20	28.48	70.9	5.69	6.1
SR5	8/6/2019 0:25	27.34	71.4	5.76	8.1	SR5	8/6/2019 6:25	27.98	73.2	5.92	8.9	SR5	8/6/2019 12:25	27.41	72.6	5.87	7.2	SR5	8/6/2019 18:25	28.48	71.1	5.69	7.6
SR5	8/6/2019 0:30	27.35	72.6	5.87	5.5	SR5	8/6/2019 6:30	28.00	72.9	5.92	7.5	SR5	8/6/2019 12:30	27.41	71.1	5.72	5.2	SR5	8/6/2019 18:30	28.49	71.1	5.70	7.4
SR5	8/6/2019 0:35	27.34	71.3	5.75	6.6	SR5	8/6/2019 6:35	28.04	73.6	5.97	7.3	SR5	8/6/2019 12:35	27.40	71.7	5.77	5.1	SR5	8/6/2019 18:35	28.47	71.2	5.70	8.0
SR5	8/6/2019 0:40	27.35	71.6	5.78	7.5	SR5	8/6/2019 6:40	28.05	72.4	5.86	6.6	SR5	8/6/2019 12:40	27.38	71.5	5.75	7.4	SR5	8/6/2019 18:40	28.45	69.5	5.54	6.5
SR5	8/6/2019 0:45	27.36	72.6	5.87	6.1	SR5	8/6/2019 6:45	28.05	72.4	5.86	8.2	SR5	8/6/2019 12:45	27.39	71.4	5.75	6.3	SR5	8/6/2019 18:45	28.44	70.1	5.59	7.0
SR5	8/6/2019 0:50	27.37	72.7	5.88	7.1	SR5	8/6/2019 6:50	28.05	73.2	5.92	7.8	SR5					SR5	8/6/2019 18:50	28.45	71.6	5.75	7.3	
SR5	8/6/2019 0:55	27.37	72.6	5.87	7.9	SR5	8/6/2019 6:55	28.04	73.1	5.92	7.0	SR5					SR5	8/6/2019 18:55	28.44	70.1	5.60	7.2	
SR5	8/6/2019 1:00	27.37	72.3	5.85	6.8	SR5	8/6/2019 7:00	28.04	73.4	5.95	8.1	SR5					SR5	8/6/2019 19:00	28.46	71.3	5.73	8.2	
SR5	8/6/2019 1:05	27.37	72.9	5.93	8.1	SR5	8/6/2019 7:05	28.05	72.8	5.90	7.1	SR5					SR5	8/6/2019 19:05	28.47	70.4	5.61	8.2	
SR5	8/6/2019 1:10	27.36	72.2	5.84	8.4	SR5	8/6/2019 7:10	28.09	72.6	5.87	7.8	SR5	8/6/2019 13:10	27.73	72.6	5.87	7.4	SR5	8/6/2019 19:10	28.45	70.0	5.58	6.0
SR5	8/6/2019 1:15	27.37	72.7	5.88	8.0	SR5	8/6/2019 7:15	28.08	72.3	5.85	7.8	SR5	8/6/2019 13:15	27.80	72.5	5.83	7.9	SR5	8/6/2019 19:15	28.45	70.3	5.63	4.8
SR5	8/6/2019 1:20	27.35	72.4	5.87	6.2	SR5	8/6/2019 7:20	28.07	72.9	5.92	14.0	SR5	8/6/2019 13:20	27.74	71.0	5.71	5.8	SR5	8/6/2019 19:20	28.45	71.4	5.72	4.9
SR5	8/6/2019 1:25	27.37	72.4	5.87	8.4	SR5	8/6/2019 7:25	28.08	73.1	5.93	6.9	SR5	8/6/2019 13:25	27.74	71.9	5.80	7.3	SR5	8/6/2019 19:25	28.46	70.7	5.66	7.7
SR5	8/6/2019 1:30	27.35	73.0	5.90	7.3	SR5	8/6/2019 7:30	28.11	72.6	5.87	6.8	SR5	8/6/2019 13:30	27.71	72.3	5.84	6.5	SR5	8/6/2019 19:30	28.46	69.4	5.54	6.5
SR5	8/6/2019 1:35	27.35	73.3	5.95	9.3	SR5	8/6/2019 7:35	28.10	72.8	5.89	6.8	SR5	8/6/2019 13:35	27.80	72.6	5.84	4.7	SR5	8/6/2019 19:35	28.36	70.1	5.59	6.4
SR5	8/6/2019 1:40	27.35	72.5	5.86	6.6	SR5	8/6/2019 7:40	28.12	72.4	5.85	6.8	SR5	8/6/2019 13:40	27.80	71.7	5.75	6.0	SR5	8/6/2019 19:40	28.37	70.8	5.69	7.6
SR5	8/6/2019 1:45	27.36	72.5	5.86	7.5	SR5	8/6/2019 7:45	28.12	72.3	5.86	7.3	SR5	8/6/2019 13:45	27.81	71.5	5.74	5.8	SR5	8/6/2019 19:45	28.40	69.4	5.53	6.3
SR5	8/6/2019 1:50	27.35	72.9	5.91	7.3	SR5	8/6/2019 7:50	28.12	72.5	5.87	6.6	SR5	8/6/2019 13:50	27.81	72.5	5.83	7.7	SR5	8/6/2019 19:50	28.41	71.3	5.73	6.3
SR5	8/6/2019 1:55	27.40	73.0	5.93	7.9	SR5	8/6/2019 7:55	28.11	72.2	5.85	5.7	SR5	8/6/2019 13:55	27.79	72.1	5.81	6.8	SR5	8/6/2019 19:55	28.41	70.7	5.68	8.6
SR5	8/6/2019 2:00	27.48	72.4	5.86	7.8	SR5	8/6/2019 8:00	28.11	72.2	5.84	7.0	SR5	8/6/2019 14:00	27.80	71.9	5.79	5.5	SR5	8/6/2019 20:00	28.36	70.4	5.64	5.7
SR5	8/6/2019 2:05	27.48	72.6	5.88	7.5	SR5	8/6/2019 8:05	28.11	72.5	5.87	6.4	SR5	8/6/2019 14:05	27.80	73.1	5.90	5.4	SR5	8/6/2019 20:05	28.36	69.9	5.58	5.4
SR5	8/6/2019 2:10	27.45	72.5	5.87	8.9	SR5	8/6/2019 8:10	28.10	72.2	5.84	8.4	SR5	8/6/2019 14:10	27.79	71.3	5.73	6.6	SR5	8/6/2019 20:10	28.38	70.9	5.69	6.6
SR5	8/6/2019 2:15	27.47	73.1	5.91	8.0	SR5	8/6/2019 8:15	28.10	73.3	5.94	7.3	SR5	8/6/2019 14:15	27.78	71.4	5.75	7.1	SR5	8/6/2019 20:15	28.39	70.0	5.57	5.9
SR5	8/6/2019 2:20	27.46	73.2	5.95	8.1	SR5	8/6/2019 8:20	28.10	72.4	5.86	6.8	SR5	8/6/2019 14:20	27.79	72.4	5.85	5.7	SR5	8/6/2019 20:20	28.38	69.6	5.56	7.0
SR5	8/6/2019 2:25	27.47	73.2	5.94	6.7	SR5	8/6/2019 8:25	28.13	73.1	5.94	9.4	SR5	8/6/2019 14:25	27.78	72.8	5.88	6.7	SR5	8/6/2019 20:25	28.39	69.5	5.56	5.7
SR5	8/6/2019 2:30	27.47	73.3	5.94	9.3	SR5	8/6/2019 8:30	28.11	72.6	5.87	6.4	SR5	8/6/2019 14:30	27.79	73.0	5.89	6.5	SR5	8/6/2019 20:30	28.43	69.9	5.59	7.8
SR5	8/6/2019 2:35	27.47	72.9	5.93	7.9	SR5	8/6/2019 8:35	28.14	72.6	5.89	7.4	SR5	8/6/2019 14:35	27.78	72.5	5.86	5.2	SR5	8/6/2019 20:35	28.47	71.1	5.69	6.7
SR5	8/6/2019 2:40	27.46	73.1	5.92	7.1	SR5	8/6/2019 8:40	28.13	72.5	5.87	8.1	SR5	8/6/2019 14:40	27.79	72.7	5.87	5.0	SR5	8/6/2019 20:40	28.49	69.5	5.65	6.2
SR5	8/6/2019 2:45	27.47	72.2	5.85	7.8	SR5	8/6/2019 8:45	28.14	72.3	5.86	6.7	SR5	8/6/2019 14:45	27.86	71.9	5.80	7.3	SR5	8/6/2019 20:45	28.37	69.9	5.57	5.0
SR5	8/6/2019 2:50	27.48	72.8	5.90	6.8	SR5	8/6/2019 8:50	28.12	72.1	5.83	8.7	SR5	8/6/2019 14:50	27.88	72.2	5.81	5.4	SR5	8/6/2019 20:50	28.24	69.5	5.53	7.1
SR5	8/6/2019 2:55	27.47	73.1	5.93	6.1	SR5	8/6/2019 8:55	28.13	72.5	5.86	7.5	SR5	8/6/2019 14:55	27.89	72.2	5.81	5.8	SR5	8/6/2019 20:55	28.21	69.7	5.54	8.3
SR5	8/6/2019 3:00	27.48	73.2	5.94	8.2	SR5	8/6/2019 9:00	28.09	72.3	5.85	6.7	SR5	8/6/2019 15:00	27.90	72.6	5.87	7.0	SR5	8/6/2019 21:00	28.13	69.7	5.54	5.8
SR5	8/6/2019 3:05	27.49	73.2	5.94	7.5	SR5	8/6/2019 9:05	28.09	72.1	5.83	6.4	SR5	8/6/2019 15:05	27.84	72.7	5.88	6.8	SR5	8/6/2019 21:05	28.13	69.9	5.56	7.7
SR5	8/6/2019 3:10	27.50	73.2	5.94	7.3	SR5	8/6/2019 9:10	28.14	72.4	5.86	6.1	SR5	8/6/2019 15:10	27.86	71.2	5.73	5.9	SR5	8/6/2019 21:10	28.19	69.8	5.56	8.4
SR5	8/6/2019 3:15	27.51	72.7	5.91	9.1	SR5	8/6/2019 9:15	28.03	71.3	5.74	7.5	SR5	8/6/2019 15:15	27.83	72.7	5.88	5.7	SR5	8/6/2019 21:15	28.23	69.5	5.53	5.8
SR5	8/6/2019 3:20	27.55	72.1	5.83	6.2	SR5	8/6/2019 9:20	28.15	71.1	5.72	5.5	SR5	8/6/2019 15:20	27.90	71.8	5.77	4.5	SR5	8/6/2019 21:20	28.26	69.2	5.50	6.5
SR5	8/6/2019 3:25	27.54	72.5	5.86	7.0	SR5	8/6/2019 9:25	28.06	70.7	5.69	7.3	SR5	8/6/2019 15:25	27.98	71.1	5.72	6.2	SR5	8/6/2019 21:25	28.31	69.8	5.55	7.8
SR5	8/6/2019 3:30	27.54	72.2	5.86	6.6	SR5	8/6/2019 9:30	28.06	71.6	5.76	7.5	SR5	8/6/2019 15:30	27.92	72.4	5.85	7.8	SR5	8/6/2019 21:30	28.35	69.1	5.50	7.1
SR5	8/6/2019 3:35	27.54	73.3	5.93	6.3	SR5	8/6/2019 9:35	27.98	72.4	5.84	6.9	SR5	8/6/2019 15:35	27.88	71.7	5.76	6.6	SR5	8/6/2019 21:35	28.32	69.5	5.52	7.6
SR5	8/6/2019 3:40	27.54	73.0	5.91	5.7	SR5	8/6/2019 9:40	28.03	72.8	5.88	5.4	SR5	8/6/2019 15:40	27.88	72.6	5.87	6.7	SR5	8/6/2019 21:40	28.27	70.0	5.57	6.0
SR5	8/6/2019 3:45	27.54	73.1	5.94	5.9	SR5	8/6/2019 9:45	28.01	73.1	5.90	5.1	SR5	8/6/2019 15:45	28.24	71.9	5.77	6.8	SR5	8/6/2019 21:45	28.26	69.6	5.54	6.4
SR5	8/6/2019 3:50	27.54	72.9	5.90	8.9	SR5	8/6/2019 9:50	28.02	72.3	5.82	6.7	SR5	8/6/2019 15:50	28.18	72.8	5.89	4.7	SR5	8/6/2019 21:50	28.27	69.6	5.53	7.2
SR5	8/6/2019 3:55	27.54	72.7	5.88	7.3	SR5	8/6/2019 9:55	28.01	73.0	5.89	5.4	SR5	8/6/2019 15:55	27.92	72.5	5.84	6.6	SR5	8/6/2019 21:55	28.25	69.0	5.50	5.2
SR5	8/6/2019 4:00	27.53	72.2	5.85	7.0	SR5	8/6/2019 10:00	27.87	71.5	5.76	6.9	SR5	8/6/2019 16:00	28.07	71.4	5.74	6.4						

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/6/2019 0:01	27.59	63.7	4.77	5.4	SR12	8/6/2019 6:01	27.54	68.1	5.10	5.1	SR12	8/6/2019 12:01	27.46	65.1	4.87	6.2	SR12	8/6/2019 18:01	27.63	62.5	4.68	6.0
SR12	8/6/2019 0:06	27.60	62.7	4.69	5.5	SR12	8/6/2019 6:06	27.53	66.4	4.97	5.7	SR12	8/6/2019 12:06	27.46	62.5	4.68	6.1	SR12	8/6/2019 18:06	27.68	61.7	4.62	6.8
SR12	8/6/2019 0:11	27.56	64.8	4.85	4.9	SR12	8/6/2019 6:11	27.59	66.5	4.98	5.5	SR12	8/6/2019 12:11	27.46	66.9	5.01	6.0	SR12	8/6/2019 18:11	27.69	62.4	4.67	5.9
SR12	8/6/2019 0:16	27.55	66.5	4.98	1.5	SR12	8/6/2019 6:16	27.58	61.3	4.59	5.7	SR12	8/6/2019 12:16	27.46	68.9	5.16	6.6	SR12	8/6/2019 18:16	27.69	68.4	5.12	6.3
SR12	8/6/2019 0:21	27.56	66.0	4.94	5.8	SR12	8/6/2019 6:21	27.58	67.3	5.04	5.5	SR12	8/6/2019 12:21	27.43	68.0	5.09	5.8	SR12	8/6/2019 18:21	27.68	64.5	4.83	5.9
SR12	8/6/2019 0:26	27.51	64.5	4.83	1.1	SR12	8/6/2019 6:26	27.58	63.2	4.73	5.5	SR12	8/6/2019 12:26	27.43	66.8	5.00	5.0	SR12	8/6/2019 18:26	27.68	65.7	4.92	6.5
SR12	8/6/2019 0:31	27.49	62.7	4.69	5.0	SR12	8/6/2019 6:31	27.57	65.1	4.87	6.2	SR12	8/6/2019 12:31	27.43	67.1	5.02	5.8	SR12	8/6/2019 18:31	27.68	67.6	5.06	6.3
SR12	8/6/2019 0:36	27.54	68.5	5.13	5.2	SR12	8/6/2019 6:36	27.56	63.6	4.76	5.4	SR12	8/6/2019 12:36	27.49	68.7	5.14	5.7	SR12	8/6/2019 18:36	27.71	64.0	4.79	5.8
SR12	8/6/2019 0:41	27.50	64.9	4.86	5.7	SR12	8/6/2019 6:41	27.57	69.3	5.19	5.6	SR12	8/6/2019 12:41	27.48	64.1	4.80	5.5	SR12	8/6/2019 18:41	27.72	65.6	4.91	6.1
SR12	8/6/2019 0:46	27.52	66.5	4.98	5.1	SR12	8/6/2019 6:46	27.56	63.3	4.74	6.0	SR12	8/6/2019 12:46	27.45	62.1	4.65	5.5	SR12	8/6/2019 18:46	27.72	67.2	5.03	5.7
SR12	8/6/2019 0:51	27.51	63.7	4.77	5.0	SR12	8/6/2019 6:51	27.53	64.9	4.86	5.7	SR12	8/6/2019 12:51	27.46	63.2	4.73	5.3	SR12	8/6/2019 18:51	27.73	63.3	4.74	6.0
SR12	8/6/2019 0:56	27.54	69.6	5.21	5.1	SR12	8/6/2019 6:56	27.54	62.4	4.67	6.3	SR12	8/6/2019 12:56	27.43	62.7	4.69	6.1	SR12	8/6/2019 18:56	27.73	68.7	5.14	5.8
SR12	8/6/2019 1:01	27.50	61.5	4.60	5.2	SR12	8/6/2019 7:01	27.55	66.9	5.01	5.4	SR12	8/6/2019 13:01	27.46	63.5	4.75	5.5	SR12	8/6/2019 19:01	27.72	63.9	4.78	6.2
SR12	8/6/2019 1:06	27.61	61.5	4.60	6.2	SR12	8/6/2019 7:06	27.55	68.0	5.09	5.1	SR12	8/6/2019 13:06	27.47	68.0	5.09	6.7	SR12	8/6/2019 19:06	27.71	66.8	5.00	6.8
SR12	8/6/2019 1:11	27.55	61.3	4.59	5.4	SR12	8/6/2019 7:11	27.55	64.4	4.82	6.5	SR12	8/6/2019 13:11	27.45	62.1	4.65	5.1	SR12	8/6/2019 19:11	27.71	63.9	4.78	6.1
SR12	8/6/2019 1:16	27.54	65.3	4.89	5.8	SR12	8/6/2019 7:16	27.54	67.1	5.02	6.1	SR12	8/6/2019 13:16	27.50	67.6	5.06	5.9	SR12	8/6/2019 19:16	27.70	69.6	5.21	5.8
SR12	8/6/2019 1:21	27.58	64.3	4.81	6.4	SR12	8/6/2019 7:21	27.56	67.5	5.05	6.0	SR12	8/6/2019 13:21	27.57	69.5	5.20	6.6	SR12	8/6/2019 19:21	27.71	64.7	4.84	6.0
SR12	8/6/2019 1:26	27.65	65.9	4.93	6.2	SR12	8/6/2019 7:26	27.56	68.9	5.16	5.3	SR12	8/6/2019 13:26	27.61	61.7	4.62	6.0	SR12	8/6/2019 19:26	27.71	68.4	5.12	6.3
SR12	8/6/2019 1:31	27.63	66.8	5.00	6.1	SR12	8/6/2019 7:31	27.55	66.1	4.95	6.3	SR12	8/6/2019 13:31	27.59	61.6	4.61	5.9	SR12	8/6/2019 19:31	27.71	67.5	5.05	6.0
SR12	8/6/2019 1:36	27.61	66.1	4.95	5.3	SR12	8/6/2019 7:36	27.55	63.6	4.76	5.8	SR12	8/6/2019 13:36	27.58	69.6	5.21	5.9	SR12	8/6/2019 19:36	27.71	66.8	5.00	5.3
SR12	8/6/2019 1:41	27.63	63.3	4.74	6.4	SR12	8/6/2019 7:41	27.51	62.9	4.71	5.8	SR12	8/6/2019 13:41	27.64	67.7	5.07	5.9	SR12	8/6/2019 19:41	27.71	66.3	4.96	6.4
SR12	8/6/2019 1:46	27.65	67.6	5.06	5.7	SR12	8/6/2019 7:46	27.55	66.0	4.94	5.6	SR12	8/6/2019 13:46	27.63	66.8	5.00	6.1	SR12	8/6/2019 19:46	27.73	64.5	4.83	6.4
SR12	8/6/2019 1:51	27.76	69.1	5.17	5.4	SR12	8/6/2019 7:51	27.55	61.3	4.59	5.5	SR12	8/6/2019 13:51	27.63	66.9	5.01	5.7	SR12	8/6/2019 19:51	27.73	62.9	4.71	5.9
SR12	8/6/2019 1:56	27.77	67.7	5.07	6.3	SR12	8/6/2019 7:56	27.55	66.5	4.98	5.9	SR12	8/6/2019 13:56	27.63	67.3	5.04	5.1	SR12	8/6/2019 19:56	27.74	65.5	4.90	6.1
SR12	8/6/2019 2:01	27.74	65.6	4.91	7.2	SR12	8/6/2019 8:01	27.51	66.4	4.97	5.8	SR12	8/6/2019 14:01	27.62	61.7	4.62	5.4	SR12	8/6/2019 20:01	27.75	64.3	4.81	6.4
SR12	8/6/2019 2:06	27.77	62.9	4.71	5.6	SR12	8/6/2019 8:06	27.52	68.3	5.11	5.7	SR12	8/6/2019 14:06	27.61	61.9	4.63	5.6	SR12	8/6/2019 20:06	27.75	68.7	5.14	6.3
SR12	8/6/2019 2:11	27.75	64.0	4.79	6.1	SR12	8/6/2019 8:11	27.53	61.7	4.62	5.8	SR12	8/6/2019 14:11	27.65	64.5	4.83	5.9	SR12	8/6/2019 20:11	27.76	65.1	4.87	6.0
SR12	8/6/2019 2:16	27.80	61.6	4.61	5.5	SR12	8/6/2019 8:16	27.53	66.5	4.98	6.3	SR12	8/6/2019 14:16	27.66	66.3	4.96	6.5	SR12	8/6/2019 20:16	27.77	67.9	5.08	6.9
SR12	8/6/2019 2:21	27.79	65.5	4.90	6.2	SR12	8/6/2019 8:21	27.54	61.6	4.61	5.4	SR12	8/6/2019 14:21	27.68	67.6	5.06	6.2	SR12	8/6/2019 20:21	27.78	63.5	4.75	5.5
SR12	8/6/2019 2:26	27.77	67.5	5.05	6.3	SR12	8/6/2019 8:26	27.54	68.3	5.11	6.5	SR12	8/6/2019 14:26	27.67	62.3	4.66	5.4	SR12	8/6/2019 20:26	27.78	66.5	4.98	6.7
SR12	8/6/2019 2:31	27.78	68.9	5.16	5.4	SR12	8/6/2019 8:31	27.50	65.6	4.91	5.3	SR12	8/6/2019 14:31	27.65	63.1	4.72	6.1	SR12	8/6/2019 20:31	27.79	64.4	4.82	6.5
SR12	8/6/2019 2:36	27.79	61.6	4.61	5.1	SR12	8/6/2019 8:36	27.50	66.4	4.97	1.2	SR12	8/6/2019 14:36	27.72	61.9	4.63	6.2	SR12	8/6/2019 20:36	27.79	62.1	4.65	5.8
SR12	8/6/2019 2:41	27.79	67.9	5.08	6.5	SR12	8/6/2019 8:41	27.51	62.7	4.69	5.8	SR12	8/6/2019 14:41	27.73	67.1	5.02	5.4	SR12	8/6/2019 20:41	27.82	66.1	4.95	6.4
SR12	8/6/2019 2:46	27.80	67.1	5.02	6.0	SR12	8/6/2019 8:46	27.51	66.1	4.95	5.7	SR12	8/6/2019 14:46	27.68	62.5	4.68	4.8	SR12	8/6/2019 20:46	27.85	61.3	4.59	6.1
SR12	8/6/2019 2:51	27.79	66.0	4.94	6.0	SR12	8/6/2019 8:51	27.50	67.1	5.02	6.2	SR12	8/6/2019 14:51	27.69	63.1	4.72	5.7	SR12	8/6/2019 20:51	27.85	64.3	4.81	6.1
SR12	8/6/2019 2:56	27.79	64.1	4.80	5.9	SR12	8/6/2019 8:56	27.49	68.1	5.10	5.6	SR12	8/6/2019 14:56	27.68	62.5	4.68	6.4	SR12	8/6/2019 20:56	27.85	65.3	4.89	5.8
SR12	8/6/2019 3:01	27.74	63.3	4.74	5.5	SR12	8/6/2019 9:01	27.49	64.7	4.84	5.9	SR12	8/6/2019 15:01	27.70	61.9	4.63	6.5	SR12	8/6/2019 21:01	27.89	62.1	4.65	5.9
SR12	8/6/2019 3:06	27.78	69.2	5.18	5.8	SR12	8/6/2019 9:06	27.50	65.7	4.92	5.8	SR12	8/6/2019 15:06	27.68	68.3	5.11	6.3	SR12	8/6/2019 21:06	27.91	67.7	5.07	5.5
SR12	8/6/2019 3:11	27.79	67.9	5.08	6.1	SR12	8/6/2019 9:11	27.50	64.4	4.82	6.3	SR12	8/6/2019 15:11	27.65	63.1	4.72	5.6	SR12	8/6/2019 21:11	27.91	62.5	4.68	6.0
SR12	8/6/2019 3:16	27.79	62.4	4.67	6.0	SR12	8/6/2019 9:16	27.50	66.1	4.95	5.5	SR12	8/6/2019 15:16	27.62	66.0	4.94	5.9	SR12	8/6/2019 21:16	27.90	62.0	4.64	6.5
SR12	8/6/2019 3:21	27.81	62.3	4.66	5.9	SR12	8/6/2019 9:21	27.47	62.1	4.65	5.6	SR12	8/6/2019 15:21	27.79	62.5	4.68	5.5	SR12	8/6/2019 21:21	27.91	64.1	4.80	5.8
SR12	8/6/2019 3:26	27.80	66.5	4.98	6.3	SR12	8/6/2019 9:26	27.42	64.1	4.80	5.4	SR12	8/6/2019 15:26	27.76	65.3	4.89	6.1	SR12	8/6/2019 21:26	27.91	64.9	4.86	5.7
SR12	8/6/2019 3:31	27.80	65.6	4.91	5.9	SR12	8/6/2019 9:31	27.39	61.6	4.61	6.5	SR12	8/6/2019 15:31	27.70	65.6	4.91	6.0	SR12	8/6/2019 21:31	27.91	62.3	4.66	6.4
SR12	8/6/2019 3:36	27.79	63.6	4.76	5.5	SR12	8/6/2019 9:36	27.41	69.6	5.21	6.1	SR12	8/6/2019 15:36	27.69	69.6	5.21	5.4	SR12	8/6/2019 21:36	27.91	63.1	4.72	6.1
SR12	8/6/2019 3:41	27.80	69.5	5.20	5.1	SR12	8/6/2019 9:41	27.40	66.0	4.94	5.6	SR12	8/6/2019 15:41	27.68	62.9	4.71	6.2	SR12	8/6/2019 21:41	27.92	63.7	4.77	6.8
SR12	8/6/2019 3:46	27.78	65.6	4.91	5.3	SR12	8/6/2019 9:46	27.39	64.3	4.81	5.5	SR12	8/6/2019 15:46	27.79	66.8	5.00	5.1	SR12	8/6/2019 21:46	27.91	65.1	4.87	5.9
SR12	8/6/2019 3:51	27.78	68.3	5.11	1.5	SR12	8/6/2019 9:51	27.39	61.9	4.63	5.8	SR12	8/6/2019 15:51	27.87	68.8	5.15	5.3	SR12	8/6/2019 21:51	27.92	67.3	5.04	5.5
SR12	8/6/2019 3:56	27.78	63.9	4.78	5.2	SR12	8/6/2019 9:56	27															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/6/2019 0:00	28.06	68.7	5.29	5.8	SR13	8/6/2019 6:00	28.17	69.9	5.42	7.1	SR13	8/6/2019 12:00	28.07	70.9	5.45	6.5	SR13	8/6/2019 18:00	28.70	70.3	5.38	6.3
SR13	8/6/2019 0:05	28.08	69.4	5.35	6.3	SR13	8/6/2019 6:05	28.16	70.2	5.44	5.6	SR13	8/6/2019 12:05	28.09	67.5	5.19	5.2	SR13	8/6/2019 18:05	28.67	71.7	5.48	6.6
SR13	8/6/2019 0:10	28.07	69.7	5.37	5.8	SR13	8/6/2019 6:10	28.15	68.5	5.30	6.4	SR13	8/6/2019 12:10	28.08	67.7	5.21	5.6	SR13	8/6/2019 18:10	28.69	70.8	5.41	6.4
SR13	8/6/2019 0:15	28.06	69.5	5.37	6.0	SR13	8/6/2019 6:15	28.14	68.3	5.28	6.5	SR13	8/6/2019 12:15	28.09	71.1	5.46	5.7	SR13	8/6/2019 18:15	28.69	70.3	5.37	6.2
SR13	8/6/2019 0:20	28.06	68.3	5.26	6.1	SR13	8/6/2019 6:20	28.12	67.8	5.26	6.4	SR13	8/6/2019 12:20	28.12	70.4	5.43	6.5	SR13	8/6/2019 18:20	28.70	70.6	5.40	6.2
SR13	8/6/2019 0:25	28.06	69.9	5.38	6.3	SR13	8/6/2019 6:25	28.15	69.4	5.38	6.7	SR13	8/6/2019 12:25	28.13	70.5	5.42	6.0	SR13	8/6/2019 18:25	28.70	69.9	5.35	6.6
SR13	8/6/2019 0:30	28.10	71.1	5.48	5.3	SR13	8/6/2019 6:30	28.16	67.5	5.24	6.2	SR13	8/6/2019 12:30	28.14	70.0	5.38	5.4	SR13	8/6/2019 18:30	28.70	69.3	5.30	6.5
SR13	8/6/2019 0:35	28.10	70.2	5.40	6.0	SR13	8/6/2019 6:35	28.16	69.8	5.41	6.3	SR13	8/6/2019 12:35	28.13	70.1	5.38	5.2	SR13	8/6/2019 18:35	28.69	70.3	5.38	6.9
SR13	8/6/2019 0:40	28.08	69.4	5.34	6.4	SR13	8/6/2019 6:40	28.15	69.1	5.35	6.2	SR13	8/6/2019 12:40	28.11	67.7	5.21	6.2	SR13	8/6/2019 18:40	28.70	69.2	5.28	6.0
SR13	8/6/2019 0:45	28.11	68.4	5.28	5.6	SR13	8/6/2019 6:45	28.16	69.9	5.41	6.6	SR13	8/6/2019 12:45	28.12	68.0	5.23	6.0	SR13	8/6/2019 18:45	28.68	70.8	5.40	6.3
SR13	8/6/2019 0:50	28.10	69.0	5.32	6.1	SR13	8/6/2019 6:50	28.15	67.8	5.25	6.8	SR13	8/6/2019 12:50	28.21	69.6	5.36	5.8	SR13	8/6/2019 18:50	28.69	70.3	5.38	6.4
SR13	8/6/2019 0:55	28.12	67.9	5.24	6.2	SR13	8/6/2019 6:55	28.14	69.5	5.39	6.3	SR13	8/6/2019 12:55	28.24	70.0	5.36	6.3	SR13	8/6/2019 18:55	28.69	70.7	5.40	6.8
SR13	8/6/2019 1:00	28.11	69.4	5.35	6.2	SR13	8/6/2019 7:00	28.15	67.5	5.24	6.5	SR13	8/6/2019 13:00	28.25	70.9	5.44	6.2	SR13	8/6/2019 19:00	28.70	69.2	5.30	6.6
SR13	8/6/2019 1:05	28.12	70.0	5.41	6.4	SR13	8/6/2019 7:05	28.15	70.1	5.43	6.7	SR13	8/6/2019 13:05	28.23	69.1	5.30	6.0	SR13	8/6/2019 19:05	28.70	70.3	5.37	7.0
SR13	8/6/2019 1:10	28.12	70.5	5.43	6.5	SR13	8/6/2019 7:10	28.15	68.9	5.33	6.1	SR13	8/6/2019 13:10	28.36	69.8	5.37	6.5	SR13	8/6/2019 19:10	28.70	69.4	5.30	6.2
SR13	8/6/2019 1:15	28.12	67.8	5.23	6.1	SR13	8/6/2019 7:15	28.14	69.1	5.35	4.8	SR13	8/6/2019 13:15	28.42	69.3	5.31	6.7	SR13	8/6/2019 19:15	28.70	68.6	5.25	5.5
SR13	8/6/2019 1:20	28.11	70.3	5.42	6.1	SR13	8/6/2019 7:20	28.15	68.0	5.28	8.6	SR13	8/6/2019 13:20	28.38	70.4	5.40	5.4	SR13	8/6/2019 19:20	28.71	70.6	5.40	5.6
SR13	8/6/2019 1:25	28.12	69.8	5.39	6.5	SR13	8/6/2019 7:25	28.15	69.4	5.38	6.2	SR13	8/6/2019 13:25	28.39	69.4	5.32	5.9	SR13	8/6/2019 19:25	28.72	68.2	5.22	6.5
SR13	8/6/2019 1:30	28.10	69.4	5.35	5.9	SR13	8/6/2019 7:30	28.16	69.7	5.39	6.0	SR13	8/6/2019 13:30	28.34	69.1	5.31	5.9	SR13	8/6/2019 19:30	28.71	68.8	5.26	6.1
SR13	8/6/2019 1:35	28.10	69.0	5.34	6.9	SR13	8/6/2019 7:35	28.17	70.1	5.43	6.1	SR13	8/6/2019 13:35	28.35	68.7	5.27	5.6	SR13	8/6/2019 19:35	28.68	69.6	5.32	6.0
SR13	8/6/2019 1:40	28.08	68.4	5.27	6.0	SR13	8/6/2019 7:40	28.17	68.6	5.31	6.3	SR13	8/6/2019 13:40	28.37	68.2	5.23	6.0	SR13	8/6/2019 19:40	28.70	68.7	5.26	6.2
SR13	8/6/2019 1:45	28.09	70.8	5.46	6.0	SR13	8/6/2019 7:45	28.18	69.0	5.35	6.1	SR13	8/6/2019 13:45	28.37	70.8	5.43	6.0	SR13	8/6/2019 19:45	28.71	70.2	5.36	5.5
SR13	8/6/2019 1:50	28.09	70.4	5.43	6.4	SR13	8/6/2019 7:50	28.20	68.5	5.31	6.2	SR13	8/6/2019 13:50	28.37	69.1	5.30	6.2	SR13	8/6/2019 19:50	28.71	68.5	5.26	5.7
SR13	8/6/2019 1:55	28.11	68.1	5.27	6.4	SR13	8/6/2019 7:55	28.21	69.0	5.35	5.7	SR13	8/6/2019 13:55	28.33	69.8	5.36	6.0	SR13	8/6/2019 19:55	28.70	68.1	5.22	6.1
SR13	8/6/2019 2:00	28.15	67.7	5.23	6.2	SR13	8/6/2019 8:00	28.19	67.5	5.23	6.3	SR13	8/6/2019 14:00	28.30	66.5	5.13	5.5	SR13	8/6/2019 20:00	28.68	69.1	5.29	5.5
SR13	8/6/2019 2:05	28.13	69.4	5.36	6.4	SR13	8/6/2019 8:05	28.14	68.3	5.29	6.0	SR13	8/6/2019 14:05	28.25	69.0	5.34	5.6	SR13	8/6/2019 20:05	28.68	69.1	5.28	6.5
SR13	8/6/2019 2:10	28.12	69.0	5.32	6.7	SR13	8/6/2019 8:10	28.12	67.3	5.22	7.1	SR13	8/6/2019 14:10	28.23	68.6	5.30	6.0	SR13	8/6/2019 20:10	28.69	68.9	5.28	6.5
SR13	8/6/2019 2:15	28.13	68.4	5.28	6.2	SR13	8/6/2019 8:15	28.13	70.9	5.49	6.4	SR13	8/6/2019 14:15	28.29	70.3	5.43	6.0	SR13	8/6/2019 20:15	28.69	68.9	5.26	6.1
SR13	8/6/2019 2:20	28.13	70.9	5.50	6.0	SR13	8/6/2019 8:20	28.10	69.0	5.34	6.1	SR13	8/6/2019 14:20	28.14	67.9	5.26	5.7	SR13	8/6/2019 20:20	28.70	69.2	5.29	6.8
SR13	8/6/2019 2:25	28.13	68.8	5.31	5.8	SR13	8/6/2019 8:25	28.09	68.7	5.33	6.8	SR13	8/6/2019 14:25	28.23	69.5	5.38	5.5	SR13	8/6/2019 20:25	28.69	70.3	5.37	6.0
SR13	8/6/2019 2:30	28.12	69.7	5.38	5.0	SR13	8/6/2019 8:30	28.09	67.4	5.22	5.9	SR13	8/6/2019 14:30	28.23	70.3	5.44	5.8	SR13	8/6/2019 20:30	28.71	71.1	5.43	6.4
SR13	8/6/2019 2:35	28.12	68.4	5.31	6.1	SR13	8/6/2019 8:35	28.13	70.3	5.44	6.1	SR13	8/6/2019 14:35	28.23	67.7	5.25	5.4	SR13	8/6/2019 20:35	28.73	70.2	5.37	5.8
SR13	8/6/2019 2:40	28.11	68.4	5.30	5.9	SR13	8/6/2019 8:40	28.14	67.7	5.24	6.7	SR13	8/6/2019 14:40	28.20	68.6	5.31	5.7	SR13	8/6/2019 20:40	28.72	71.5	5.46	6.2
SR13	8/6/2019 2:45	28.09	69.1	5.35	6.4	SR13	8/6/2019 8:45	28.13	68.3	5.28	6.0	SR13	8/6/2019 14:45	28.27	69.5	5.38	6.1	SR13	8/6/2019 20:45	28.69	69.7	5.32	5.4
SR13	8/6/2019 2:50	28.08	70.5	5.46	5.8	SR13	8/6/2019 8:50	28.12	69.7	5.38	6.9	SR13	8/6/2019 14:50	28.29	67.3	5.20	5.6	SR13	8/6/2019 20:50	28.65	71.9	5.48	6.5
SR13	8/6/2019 2:55	28.06	70.4	5.46	5.7	SR13	8/6/2019 8:55	28.12	68.7	5.31	6.5	SR13	8/6/2019 14:55	28.34	67.2	5.20	5.8	SR13	8/6/2019 20:55	28.62	70.9	5.40	6.5
SR13	8/6/2019 3:00	28.05	69.7	5.40	6.3	SR13	8/6/2019 9:00	28.10	68.6	5.30	6.0	SR13	8/6/2019 15:00	28.34	68.7	5.32	5.9	SR13	8/6/2019 21:00	28.64	70.2	5.35	6.0
SR13	8/6/2019 3:05	28.07	70.6	5.47	6.1	SR13	8/6/2019 9:05	28.07	67.6	5.24	6.2	SR13	8/6/2019 15:05	28.32	68.0	5.27	6.3	SR13	8/6/2019 21:05	28.66	70.2	5.36	6.3
SR13	8/6/2019 3:10	28.09	70.1	5.44	6.1	SR13	8/6/2019 9:10	28.09	69.1	5.35	6.2	SR13	8/6/2019 15:10	28.39	67.5	5.22	5.4	SR13	8/6/2019 21:10	28.50	71.0	5.42	6.8
SR13	8/6/2019 3:15	28.09	69.4	5.38	6.4	SR13	8/6/2019 9:15	28.06	68.6	5.30	6.6	SR13	8/6/2019 15:15	28.30	69.1	5.35	6.3	SR13	8/6/2019 21:15	28.61	69.4	5.30	6.1
SR13	8/6/2019 3:20	28.08	68.1	5.27	5.6	SR13	8/6/2019 9:20	28.10	69.8	5.39	6.1	SR13	8/6/2019 15:20	28.39	67.5	5.22	5.3	SR13	8/6/2019 21:20	28.62	69.9	5.33	6.2
SR13	8/6/2019 3:25	28.06	68.6	5.31	5.6	SR13	8/6/2019 9:25	28.07	67.1	5.19	6.6	SR13	8/6/2019 15:25	28.38	69.0	5.33	6.0	SR13	8/6/2019 21:25	28.61	70.2	5.36	6.6
SR13	8/6/2019 3:30	28.09	69.0	5.35	5.3	SR13	8/6/2019 9:30	28.07	70.3	5.43	6.6	SR13	8/6/2019 15:30	28.37	68.9	5.34	6.5	SR13	8/6/2019 21:30	28.63	71.8	5.48	6.3
SR13	8/6/2019 3:35	28.06	67.6	5.24	5.9	SR13	8/6/2019 9:35	28.03	68.4	5.29	6.7	SR13	8/6/2019 15:35	28.30	68.4	5.28	6.4	SR13	8/6/2019 21:35	28.60	70.3	5.36	7.2
SR13	8/6/2019 3:40	28.07	70.1	5.43	5.7	SR13	8/6/2019 9:40	28.05	69.8	5.40	5.7	SR13	8/6/2019 15:40	28.31	68.9	5.33	6.0	SR13	8/6/2019 21:40	28.56	70.0	5.34	6.3
SR13	8/6/2019 3:45	28.07	69.2	5.37	5.5	SR13	8/6/2019 9:45	28.04	67.5	5.23	5.3	SR13	8/6/2019 15:45	28.44	67.7	5.23	6.3	SR13	8/6/2019 21:45	28.56	68.2	5.21	6.1
SR13	8/6/2019 3:50	28.05	70.5	5.46	6.6	SR13	8/6/2019 9:50	28.05	70.6	5.45	5.7	SR13	8/6/2019 15:50	28.44	67.8	5.26	5.4	SR13	8/6/2019 21:50	28.57	70.9	5.41	6.6
SR13	8/6/2019 3:55	28.03	68.5	5.31	6.2	SR13	8/6/2019 9:55	28															

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/6/2019 0:17	0.25				SR12	8/6/2019 0:17	0.26			
SR4	8/6/2019 0:37	0.25				SR12	8/6/2019 0:37	0.25			
SR4	8/6/2019 0:57	0.27				SR12	8/6/2019 0:57	0.27			
SR4	8/6/2019 1:17	0.27				SR12	8/6/2019 1:17	0.27			
SR4	8/6/2019 1:37	0.26				SR12	8/6/2019 1:37	0.25			
SR4	8/6/2019 1:57	0.25				SR12	8/6/2019 1:57	0.25			
SR4	8/6/2019 2:17	0.25				SR12	8/6/2019 2:17	0.26			
SR4	8/6/2019 2:37	0.23				SR12	8/6/2019 2:37	0.27			
SR4	8/6/2019 2:57	0.25				SR12	8/6/2019 2:57	0.25			
SR4	8/6/2019 3:17	0.23				SR12	8/6/2019 3:17	0.25			
SR4	8/6/2019 3:37	0.25				SR12	8/6/2019 3:37	0.25			
SR4	8/6/2019 3:57	0.25				SR12	8/6/2019 3:57	0.27			
SR4	8/6/2019 4:17	0.24				SR12	8/6/2019 4:17	0.27			
SR4	8/6/2019 4:37	0.24				SR12	8/6/2019 4:37	0.26			
SR4	8/6/2019 4:57	0.23				SR12	8/6/2019 4:57	0.27			
SR4	8/6/2019 5:17	0.23				SR12	8/6/2019 5:17	0.26			
SR4	8/6/2019 5:37	0.23				SR12	8/6/2019 5:37	0.26			
SR4	8/6/2019 5:57	0.24				SR12	8/6/2019 5:57	0.28			
SR4						SR12					
SR4	8/6/2019 6:37	0.25				SR12	8/6/2019 6:37	0.26			
SR4	8/6/2019 6:57	0.24				SR12	8/6/2019 6:57	0.27			
SR4	8/6/2019 7:17	0.23				SR12	8/6/2019 7:17	0.26			
SR4	8/6/2019 7:37	0.23				SR12	8/6/2019 7:37	0.27			
SR4	8/6/2019 7:57	0.25				SR12	8/6/2019 7:57	0.28			
SR4	8/6/2019 8:17	0.25				SR12	8/6/2019 8:17	0.26			
SR4	8/6/2019 8:37	0.23				SR12	8/6/2019 8:37	0.26			
SR4	8/6/2019 8:57	0.24				SR12	8/6/2019 8:57	0.28			
SR4	8/6/2019 9:17	0.25				SR12	8/6/2019 9:17	0.26			
SR4	8/6/2019 9:37	0.24				SR12	8/6/2019 9:37	0.28			
SR4	8/6/2019 9:57	0.23				SR12	8/6/2019 9:57	0.26			
SR4	8/6/2019 10:17	0.23				SR12	8/6/2019 10:17	0.26			
SR4	8/6/2019 10:37	0.22				SR12	8/6/2019 10:37	0.26			
SR4	8/6/2019 10:57	0.24				SR12	8/6/2019 10:57	0.26			
SR4	8/6/2019 11:17	0.22				SR12	8/6/2019 11:17	0.28			
SR4	8/6/2019 11:37	0.23				SR12	8/6/2019 11:37	0.28			
SR4	8/6/2019 11:57	0.23				SR12	8/6/2019 11:57	0.27			
SR4	8/6/2019 12:17	0.23				SR12	8/6/2019 12:17	0.26			
SR4	8/6/2019 12:37	0.24				SR12	8/6/2019 12:37	0.26			
SR4	8/6/2019 12:57	0.23				SR12	8/6/2019 12:57	0.27			
SR4	8/6/2019 13:17	0.22				SR12	8/6/2019 13:17	0.26			
SR4	8/6/2019 13:37	0.24				SR12	8/6/2019 13:37	0.27			
SR4	8/6/2019 13:57	0.23				SR12	8/6/2019 13:57	0.27			
SR4	8/6/2019 14:17	0.23				SR12	8/6/2019 14:17	0.26			
SR4	8/6/2019 14:37	0.22				SR12	8/6/2019 14:37	0.27			
SR4	8/6/2019 14:57	0.23				SR12	8/6/2019 14:57	0.28			
SR4	8/6/2019 15:17	0.23				SR12	8/6/2019 15:17	0.26			
SR4	8/6/2019 15:37	0.23				SR12	8/6/2019 15:37	0.26			
SR4	8/6/2019 15:57	0.22				SR12	8/6/2019 15:57	0.26			
SR4	8/6/2019 16:17	0.22				SR12	8/6/2019 16:17	0.26			
SR4	8/6/2019 16:37	0.21				SR12	8/6/2019 16:37	0.26			
SR4	8/6/2019 16:57	0.22				SR12	8/6/2019 16:57	0.27			
SR4	8/6/2019 17:17	0.23				SR12	8/6/2019 17:17	0.27			
SR4	8/6/2019 17:37	0.23				SR12	8/6/2019 17:37	0.27			
SR4	8/6/2019 17:57	0.21				SR12	8/6/2019 17:57	0.27			
SR4	8/6/2019 18:17	0.21				SR12	8/6/2019 18:17	0.25			
SR4	8/6/2019 18:37	0.23				SR12	8/6/2019 18:37	0.26			
SR4	8/6/2019 18:57	0.21				SR12	8/6/2019 18:57	0.27			
SR4	8/6/2019 19:17	0.23				SR12	8/6/2019 19:17	0.25			
SR4	8/6/2019 19:37	0.23				SR12	8/6/2019 19:37	0.25			
SR4	8/6/2019 19:57	0.22				SR12	8/6/2019 19:57	0.25			
SR4	8/6/2019 20:17	0.21				SR12	8/6/2019 20:17	0.24			
SR4	8/6/2019 20:37	0.22				SR12	8/6/2019 20:37	0.23			
SR4	8/6/2019 20:57	0.23				SR12	8/6/2019 20:57	0.21			
SR4	8/6/2019 21:17	0.21				SR12	8/6/2019 21:17	0.25			
SR4	8/6/2019 21:37	0.21				SR12	8/6/2019 21:37	0.21			
SR4	8/6/2019 21:57	0.23				SR12	8/6/2019 21:57	0.24			
SR4	8/6/2019 22:17	0.21				SR12	8/6/2019 22:17	0.24			
SR4	8/6/2019 22:37	0.20				SR12	8/6/2019 22:37	0.25			
SR4	8/6/2019 22:57	0.20				SR12	8/6/2019 22:57	0.25			
SR4	8/6/2019 23:17	0.19				SR12	8/6/2019 23:17	0.24			
SR4	8/6/2019 23:37	0.19				SR12	8/6/2019 23:37	0.22			
SR4	8/6/2019 23:57	0.20				SR12	8/6/2019 23:57	0.21			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR5 monitoring station was under maintenance during 12:45-13:10.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/7/2019 0:01	27.86	59.4	4.02	5.3	SR4	8/7/2019 6:01	27.79	46.1	4.50	9.5	SR4	8/7/2019 12:01	27.99	69.0	4.64	8.2	SR4	8/7/2019 18:01	28.14	63.3	4.25	6.0
SR4	8/7/2019 0:06	27.87	62.6	4.24	5.4	SR4	8/7/2019 6:06	27.56	45.0	4.47	9.5	SR4	8/7/2019 12:06	27.99	66.5	4.47	7.2	SR4	8/7/2019 18:06	28.22	64.1	4.31	5.7
SR4	8/7/2019 0:11	27.90	65.0	4.42	5.4	SR4	8/7/2019 6:11	27.58	41.9	4.12	9.5	SR4	8/7/2019 12:11	28.11	68.5	4.61	7.4	SR4	8/7/2019 18:11	28.26	62.4	4.19	5.8
SR4	8/7/2019 0:16	27.90	64.0	4.35	5.5	SR4	8/7/2019 6:16	27.60	42.4	4.97	9.9	SR4					SR4	8/7/2019 18:16	28.32	58.3	3.93	5.5	
SR4	8/7/2019 0:21	27.89	63.2	4.30	5.7	SR4	8/7/2019 6:21	27.77	45.3	4.15	9.7	SR4					SR4	8/7/2019 18:21	28.20	64.3	4.32	6.3	
SR4	8/7/2019 0:26	27.90	62.5	4.24	5.7	SR4	8/7/2019 6:26	27.63	36.8	4.62	9.1	SR4					SR4	8/7/2019 18:26	28.09	65.2	4.37	6.2	
SR4	8/7/2019 0:31	27.91	63.9	4.33	5.7	SR4	8/7/2019 6:31	27.75	46.0	4.64	5.1	SR4					SR4	8/7/2019 18:31	28.12	61.2	4.11	6.2	
SR4	8/7/2019 0:36	27.91	65.0	4.40	5.7	SR4	8/7/2019 6:36	27.63	41.1	4.28	9.7	SR4					SR4	8/7/2019 18:36	28.11	62.5	4.19	6.3	
SR4	8/7/2019 0:41	27.91	60.2	4.07	5.6	SR4	8/7/2019 6:41	27.78	50.1	4.84	5.5	SR4					SR4	8/7/2019 18:41	28.13	61.5	4.13	6.4	
SR4	8/7/2019 0:46	27.91	61.4	4.16	5.5	SR4	8/7/2019 6:46	27.63	38.0	4.45	9.7	SR4					SR4	8/7/2019 18:46	28.14	62.9	4.22	6.6	
SR4	8/7/2019 0:51	27.89	58.6	3.97	5.6	SR4	8/7/2019 6:51	27.67	38.3	4.95	9.9	SR4					SR4	8/7/2019 18:51	28.14	62.4	4.19	6.3	
SR4	8/7/2019 0:56	27.90	62.4	4.23	5.4	SR4	8/7/2019 6:56	27.66	29.3	4.48	19.5	SR4					SR4	8/7/2019 18:56	28.14	57.9	3.88	6.1	
SR4	8/7/2019 1:01	27.88	59.5	4.04	5.6	SR4	8/7/2019 7:01	27.74	36.9	4.78	9.8	SR4					SR4	8/7/2019 19:01	28.13	57.0	3.82	6.3	
SR4	8/7/2019 1:06	27.90	61.2	4.16	5.6	SR4	8/7/2019 7:06	27.74	48.0	4.51	5.5	SR4					SR4	8/7/2019 19:06	28.11	54.5	4.80	6.4	
SR4	8/7/2019 1:11	27.90	65.0	4.42	5.7	SR4	8/7/2019 7:11	27.70	49.7	4.90	5.7	SR4					SR4	8/7/2019 19:11	28.12	57.0	3.83	6.5	
SR4	8/7/2019 1:16	27.89	64.2	4.37	5.6	SR4	8/7/2019 7:16	27.69	51.9	4.78	6.5	SR4	8/7/2019 13:16	28.72	72.4	4.83	7.3	SR4	8/7/2019 19:16	28.04	48.0	4.23	6.3
SR4	8/7/2019 1:21	27.90	65.6	4.46	5.7	SR4	8/7/2019 7:21	27.68	54.8	4.34	6.4	SR4	8/7/2019 13:21	28.64	69.9	4.66	6.9	SR4	8/7/2019 19:21	28.06	53.1	4.49	6.8
SR4	8/7/2019 1:26	27.91	66.5	4.53	5.8	SR4	8/7/2019 7:26	27.69	54.5	4.76	6.3	SR4	8/7/2019 13:26	28.33	69.0	4.62	7.5	SR4	8/7/2019 19:26	28.08	52.0	4.96	6.2
SR4	8/7/2019 1:31	27.92	67.4	4.59	5.6	SR4	8/7/2019 7:31	27.67	60.4	4.08	6.6	SR4	8/7/2019 13:31	28.42	68.7	4.60	7.0	SR4	8/7/2019 19:31	28.11	55.6	4.41	6.3
SR4	8/7/2019 1:36	27.92	66.3	4.51	5.8	SR4	8/7/2019 7:36	27.68	56.2	3.80	6.5	SR4	8/7/2019 13:36	28.61	71.2	4.75	7.5	SR4	8/7/2019 19:36	28.12	61.0	4.09	6.8
SR4	8/7/2019 1:41	27.92	65.4	4.44	5.4	SR4	8/7/2019 7:41	27.69	52.0	4.51	6.4	SR4	8/7/2019 13:41	28.45	71.9	4.81	7.3	SR4	8/7/2019 19:41	28.11	59.0	3.96	6.7
SR4	8/7/2019 1:46	27.91	66.3	4.51	5.9	SR4	8/7/2019 7:46	27.68	52.0	4.21	5.9	SR4	8/7/2019 13:46	28.33	72.8	4.88	7.8	SR4	8/7/2019 19:46	28.10	59.4	3.98	6.6
SR4	8/7/2019 1:51	27.92	62.6	4.25	5.7	SR4	8/7/2019 7:51	27.67	57.1	3.86	6.4	SR4	8/7/2019 13:51	28.43	73.1	4.89	7.3	SR4	8/7/2019 19:51	28.10	57.8	3.88	6.7
SR4	8/7/2019 1:56	27.92	65.1	4.43	5.7	SR4	8/7/2019 7:56	27.66	56.2	3.80	6.3	SR4	8/7/2019 13:56	28.60	73.9	4.94	7.3	SR4	8/7/2019 19:56	28.11	57.9	3.88	6.0
SR4	8/7/2019 2:01	27.91	65.7	4.47	5.7	SR4	8/7/2019 8:01	27.67	52.0	4.47	6.3	SR4	8/7/2019 14:01	28.86	73.8	4.91	7.3	SR4	8/7/2019 20:01	28.12	62.3	4.17	7.0
SR4	8/7/2019 2:06	27.92	64.6	4.39	5.7	SR4	8/7/2019 8:06	27.69	48.8	4.54	5.8	SR4	8/7/2019 14:06	28.71	74.0	4.94	7.2	SR4	8/7/2019 20:06	28.11	61.3	4.11	6.7
SR4	8/7/2019 2:11	27.92	63.5	4.32	5.8	SR4	8/7/2019 8:11	27.69	50.0	4.72	5.8	SR4	8/7/2019 14:11	28.64	73.6	4.91	7.4	SR4	8/7/2019 20:11	28.09	58.6	3.93	6.4
SR4	8/7/2019 2:16	27.93	64.4	4.37	5.6	SR4	8/7/2019 8:16	27.67	55.9	4.96	6.2	SR4	8/7/2019 14:16	28.46	74.7	5.00	7.4	SR4	8/7/2019 20:16	28.06	55.7	4.11	6.5
SR4	8/7/2019 2:21	27.92	66.4	4.51	5.9	SR4	8/7/2019 8:21	27.66	60.4	4.06	6.0	SR4	8/7/2019 14:21	28.42	73.5	4.93	7.5	SR4	8/7/2019 20:21	28.09	61.4	4.11	6.7
SR4	8/7/2019 2:26	27.92	64.3	4.37	5.3	SR4	8/7/2019 8:26	27.68	57.0	3.84	6.0	SR4	8/7/2019 14:26	28.41	72.7	4.87	7.4	SR4	8/7/2019 20:26	28.10	63.0	4.22	6.8
SR4	8/7/2019 2:31	27.92	64.0	4.35	5.8	SR4	8/7/2019 8:31	27.68	58.6	3.95	5.8	SR4	8/7/2019 14:31	28.60	74.9	5.00	6.7	SR4	8/7/2019 20:31	28.09	58.9	3.95	6.8
SR4	8/7/2019 2:36	27.91	64.8	4.40	5.3	SR4	8/7/2019 8:36	27.68	60.9	4.10	5.8	SR4	8/7/2019 14:36	28.58	77.0	5.14	7.0	SR4	8/7/2019 20:36	28.11	61.4	4.12	6.9
SR4	8/7/2019 2:41	27.92	62.5	4.24	5.6	SR4	8/7/2019 8:41	27.78	58.4	3.93	6.1	SR4	8/7/2019 14:41	28.43	74.9	5.01	7.5	SR4	8/7/2019 20:41	28.10	60.3	4.04	7.0
SR4	8/7/2019 2:46	27.91	64.0	4.34	5.5	SR4	8/7/2019 8:46	27.75	59.1	3.98	5.8	SR4	8/7/2019 14:46	28.41	74.8	5.01	7.0	SR4	8/7/2019 20:46	28.14	61.9	4.15	6.4
SR4	8/7/2019 2:51	27.91	62.3	4.22	5.3	SR4	8/7/2019 8:51	27.74	59.4	4.00	9.7	SR4	8/7/2019 14:51	28.41	73.6	4.93	7.4	SR4	8/7/2019 20:51	28.18	64.6	4.33	6.7
SR4	8/7/2019 2:56	27.92	60.3	4.09	5.6	SR4	8/7/2019 8:56	27.74	62.2	4.20	5.7	SR4	8/7/2019 14:56	28.28	72.6	4.86	7.3	SR4	8/7/2019 20:56	28.22	67.1	4.49	7.1
SR4	8/7/2019 3:01	27.92	64.1	4.35	5.7	SR4	8/7/2019 9:01	27.73	64.8	4.37	5.2	SR4	8/7/2019 15:01	28.22	71.0	4.76	7.1	SR4	8/7/2019 21:01	28.20	67.1	4.49	6.7
SR4	8/7/2019 3:06	27.92	63.9	4.33	5.6	SR4	8/7/2019 9:06	27.75	63.1	4.25	5.6	SR4	8/7/2019 15:06	28.26	73.1	4.90	6.9	SR4	8/7/2019 21:06	28.17	66.5	4.45	7.0
SR4	8/7/2019 3:11	27.91	62.6	4.24	5.7	SR4	8/7/2019 9:11	27.77	62.3	4.21	5.3	SR4	8/7/2019 15:11	28.24	72.2	4.84	7.3	SR4	8/7/2019 21:11	28.24	67.2	4.50	7.1
SR4	8/7/2019 3:16	27.91	63.6	4.31	5.5	SR4	8/7/2019 9:16	27.81	64.9	4.38	5.2	SR4	8/7/2019 15:16	28.29	73.2	4.91	6.9	SR4	8/7/2019 21:16	28.21	69.5	4.66	6.9
SR4	8/7/2019 3:21	27.91	61.9	4.19	5.7	SR4	8/7/2019 9:21	27.79	64.6	4.36	5.3	SR4	8/7/2019 15:21	28.12	68.9	4.62	8.7	SR4	8/7/2019 21:21	28.24	68.0	4.55	7.2
SR4	8/7/2019 3:26	27.91	61.3	4.15	5.4	SR4	8/7/2019 9:26	27.83	67.9	4.58	5.8	SR4	8/7/2019 15:26	28.27	70.7	4.74	7.5	SR4	8/7/2019 21:26	28.26	71.5	4.79	7.3
SR4	8/7/2019 3:31	27.88	59.2	4.02	5.3	SR4	8/7/2019 9:31	27.83	66.8	4.51	5.5	SR4	8/7/2019 15:31	28.29	72.6	4.87	6.8	SR4	8/7/2019 21:31	28.26	72.3	4.64	7.3
SR4	8/7/2019 3:36	27.90	60.7	4.11	5.9	SR4	8/7/2019 9:36	27.84	68.6	4.63	5.5	SR4	8/7/2019 15:36	28.37	72.9	4.88	7.0	SR4	8/7/2019 21:36	28.27	71.7	4.81	7.3
SR4	8/7/2019 3:41	27.91	62.1	4.21	5.8	SR4	8/7/2019 9:41	27.84	70.7	4.77	6.1	SR4	8/7/2019 15:41	28.18	68.3	4.58	6.7	SR4	8/7/2019 21:41	28.30	72.9	4.89	7.2
SR4	8/7/2019 3:46	27.90	59.6	4.04	5.8	SR4	8/7/2019 9:46	27.86	69.5	4.70	6.9	SR4	8/7/2019 15:46	28.17	69.2	4.64	6.8	SR4	8/7/2019 21:46	28.29	74.1	4.97	8.1
SR4	8/7/2019 3:51	27.91	58.9	4.00	5.9	SR4	8/7/2019 9:51	27.87	64.5	4.36	5.9	SR4	8/7/2019 15:51	28.27	69.0	4.63	6.7	SR4	8/7/2019 21:51	28.30	74.1	4.97	7.5
SR4	8/7/2019 3:56	27.88	58.5	3.96	5.7	SR4	8/7/2019 9:56	27.86	66.4	4.49	6.3	SR4	8/7/2019 15:56	28.26	73.4	4.92	7.3	SR4	8/7/2019 21:56	28.29	73.6	4.94	7.0
SR4	8/7/2019 4:01	27.90	57.3	3.89	5.3	SR4	8/7/2019 10:01	27.82	66.7	4.51	7.5	SR4	8/7/2019 16:01	28.27	72.4	4.85	7.3	SR4	8/7/2019 22:01	28.29	74.4	4.99	7.2
SR4	8/7/2019 4:06	27.86	58.2	3.95	5.1	SR4	8/7/2019 10:06	27.86	65.5	4.43	6.7	SR4	8/7/2019 16:06	28.30	73.0	4.89	7.2	SR4	8/7/2019 22:06	28.29	73.2	4.91	7.0

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/7/2019 0:00	27.68	69.4	5.51	7.7	SR5	8/7/2019 6:00	27.75	72.3	5.55	6.4	SR5	8/7/2019 12:00	27.63	71.1	5.45	7.0	SR5	8/7/2019 18:00	28.85	71.8	5.49	6.2
SR5	8/7/2019 0:05	27.67	69.3	5.52	7.8	SR5	8/7/2019 6:05	27.74	72.3	5.53	6.6	SR5	8/7/2019 12:05	27.64	71.7	5.51	6.7	SR5	8/7/2019 18:05	28.90	71.9	5.50	7.4
SR5	8/7/2019 0:10	27.67	69.5	5.53	7.6	SR5	8/7/2019 6:10	27.80	72.5	5.57	8.0	SR5	8/7/2019 12:10	27.63	71.7	5.51	7.8	SR5	8/7/2019 18:10	28.98	71.9	5.49	5.7
SR5	8/7/2019 0:15	27.65	69.5	5.53	6.9	SR5	8/7/2019 6:15	27.80	72.4	5.55	7.4	SR5	8/7/2019 12:15	27.67	71.3	5.48	6.3	SR5	8/7/2019 18:15	29.01	71.4	5.46	7.5
SR5	8/7/2019 0:20	27.62	69.2	5.51	7.2	SR5	8/7/2019 6:20	27.81	72.2	5.54	6.6	SR5	8/7/2019 12:20	27.66	71.3	5.48	5.9	SR5	8/7/2019 18:20	28.85	71.9	5.51	6.3
SR5	8/7/2019 0:25	27.62	69.6	5.53	7.3	SR5	8/7/2019 6:25	27.84	72.5	5.57	7.1	SR5	8/7/2019 12:25	27.63	70.4	5.43	6.7	SR5	8/7/2019 18:25	28.97	70.7	5.42	5.6
SR5	8/7/2019 0:30	27.64	69.8	5.56	6.7	SR5	8/7/2019 6:30	27.90	73.1	5.59	6.5	SR5	8/7/2019 12:30	27.63	69.4	5.36	7.3	SR5	8/7/2019 18:30	28.87	70.7	5.44	6.9
SR5	8/7/2019 0:35	27.63	69.5	5.55	7.1	SR5	8/7/2019 6:35	27.89	73.1	5.58	7.8	SR5	8/7/2019 12:35	27.64	69.6	5.37	6.2	SR5	8/7/2019 18:35	28.98	71.5	5.47	6.7
SR5	8/7/2019 0:40	27.63	69.4	5.51	5.6	SR5	8/7/2019 6:40	27.92	72.1	5.50	5.8	SR5	8/7/2019 12:40	27.66	70.6	5.45	6.9	SR5	8/7/2019 18:40	28.99	71.4	5.46	7.0
SR5	8/7/2019 0:45	27.59	69.6	5.54	6.2	SR5	8/7/2019 6:45	27.93	72.4	5.54	7.1	SR5	8/7/2019 12:45	27.66	69.9	5.42	5.5	SR5	8/7/2019 18:45	28.87	71.3	5.46	7.0
SR5	8/7/2019 0:50	27.57	69.3	5.52	6.7	SR5	8/7/2019 6:50	27.93	73.5	5.60	8.0	SR5	8/7/2019 12:50	27.66	70.4	5.44	6.0	SR5	8/7/2019 18:50	28.99	71.5	5.47	7.2
SR5	8/7/2019 0:55	27.57	69.6	5.53	4.9	SR5	8/7/2019 6:55	27.96	73.8	5.60	8.3	SR5	8/7/2019 12:55	27.64	70.5	5.44	6.9	SR5	8/7/2019 18:55	29.03	72.0	5.51	6.2
SR5	8/7/2019 1:00	27.56	69.1	5.50	7.3	SR5	8/7/2019 7:00	27.94	74.0	5.62	6.1	SR5	8/7/2019 13:00	27.65	70.6	5.45	7.3	SR5	8/7/2019 19:00	29.02	72.2	5.53	5.8
SR5	8/7/2019 1:05	27.55	69.8	5.56	5.7	SR5	8/7/2019 7:05	27.94	74.8	5.67	7.6	SR5	8/7/2019 13:05	27.66	69.9	5.41	6.7	SR5	8/7/2019 19:05	29.00	72.3	5.55	6.8
SR5	8/7/2019 1:10	27.54	69.2	5.52	6.7	SR5	8/7/2019 7:10	27.92	74.4	5.63	7.4	SR5	8/7/2019 13:10	27.67	70.6	5.44	6.8	SR5	8/7/2019 19:10	28.94	71.4	5.47	6.7
SR5	8/7/2019 1:15	27.54	69.4	5.53	5.4	SR5	8/7/2019 7:15	27.93	73.8	5.60	7.5	SR5	8/7/2019 13:15	27.65	70.2	5.40	6.7	SR5	8/7/2019 19:15	28.93	71.8	5.51	7.1
SR5	8/7/2019 1:20	27.54	69.3	5.52	5.9	SR5	8/7/2019 7:20	27.97	74.4	5.64	6.6	SR5	8/7/2019 13:20	27.61	70.8	5.44	5.9	SR5	8/7/2019 19:20	28.90	71.7	5.51	7.1
SR5	8/7/2019 1:25	27.52	69.9	5.57	6.4	SR5	8/7/2019 7:25	27.97	74.4	5.64	6.2	SR5	8/7/2019 13:25	27.59	71.6	5.49	6.8	SR5	8/7/2019 19:25	28.88	72.0	5.53	7.2
SR5	8/7/2019 1:30	27.50	69.9	5.57	6.6	SR5	8/7/2019 7:30	27.97	74.7	5.66	7.8	SR5	8/7/2019 13:30	27.61	71.2	5.46	6.7	SR5	8/7/2019 19:30	28.89	71.6	5.48	7.8
SR5	8/7/2019 1:35	27.49	69.6	5.54	7.1	SR5	8/7/2019 7:35	27.99	74.2	5.63	5.4	SR5	8/7/2019 13:35	27.65	71.1	5.46	6.8	SR5	8/7/2019 19:35	28.82	71.8	5.50	7.7
SR5	8/7/2019 1:40	27.51	69.9	5.56	6.9	SR5	8/7/2019 7:40	28.00	74.3	5.64	6.2	SR5	8/7/2019 13:40	27.63	71.7	5.47	7.3	SR5	8/7/2019 19:40	28.79	71.4	5.47	5.9
SR5	8/7/2019 1:45	27.52	69.1	5.50	7.6	SR5	8/7/2019 7:45	28.02	74.3	5.66	6.9	SR5	8/7/2019 13:45	27.65	71.1	5.46	5.9	SR5	8/7/2019 19:45	28.81	71.8	5.50	7.9
SR5	8/7/2019 1:50	27.50	69.7	5.55	7.3	SR5	8/7/2019 7:50	27.99	73.2	5.57	7.4	SR5	8/7/2019 13:50	27.61	71.5	5.50	6.9	SR5	8/7/2019 19:50	28.79	71.9	5.51	6.4
SR5	8/7/2019 1:55	27.52	69.0	5.49	6.1	SR5	8/7/2019 7:55	28.01	73.7	5.60	8.0	SR5	8/7/2019 13:55	28.06	71.2	5.47	7.5	SR5	8/7/2019 19:55	28.75	72.0	5.51	7.7
SR5	8/7/2019 2:00	27.50	69.5	5.53	7.5	SR5	8/7/2019 8:00	28.01	73.7	5.61	7.2	SR5	8/7/2019 14:00	27.72	71.3	5.45	7.0	SR5	8/7/2019 20:00	28.76	72.6	5.54	6.3
SR5	8/7/2019 2:05	27.51	69.8	5.55	7.3	SR5	8/7/2019 8:05	28.01	73.9	5.63	7.9	SR5	8/7/2019 14:05	28.25	71.1	5.45	8.0	SR5	8/7/2019 20:05	28.75	71.8	5.49	6.0
SR5	8/7/2019 2:10	27.48	69.4	5.52	6.5	SR5	8/7/2019 8:10	28.00	74.0	5.63	5.9	SR5	8/7/2019 14:10	28.11	70.2	5.40	7.2	SR5	8/7/2019 20:10	28.75	72.2	5.54	7.7
SR5	8/7/2019 2:15	27.48	69.3	5.52	5.8	SR5	8/7/2019 8:15	28.01	73.8	5.61	6.3	SR5	8/7/2019 14:15	27.99	70.7	5.43	7.8	SR5	8/7/2019 20:15	28.75	72.1	5.53	5.8
SR5	8/7/2019 2:20	27.49	69.6	5.55	6.4	SR5	8/7/2019 8:20	28.03	74.5	5.64	7.7	SR5	8/7/2019 14:20	28.09	70.9	5.45	6.3	SR5	8/7/2019 20:20	28.76	72.5	5.55	6.2
SR5	8/7/2019 2:25	27.50	69.0	5.50	6.9	SR5	8/7/2019 8:25	28.05	75.3	5.70	6.0	SR5	8/7/2019 14:25	28.21	71.8	5.49	5.9	SR5	8/7/2019 20:25	28.80	72.7	5.56	6.6
SR5	8/7/2019 2:30	27.52	69.5	5.55	6.0	SR5	8/7/2019 8:30	28.07	75.0	5.67	6.4	SR5	8/7/2019 14:30	28.01	72.4	5.54	7.2	SR5	8/7/2019 20:30	28.78	73.2	5.60	6.6
SR5	8/7/2019 2:35	27.51	69.6	5.54	7.5	SR5	8/7/2019 8:35	28.06	75.2	5.69	6.6	SR5	8/7/2019 14:35	28.04	71.1	5.45	6.0	SR5	8/7/2019 20:35	28.77	73.3	5.61	7.4
SR5	8/7/2019 2:40	27.47	68.6	5.46	6.4	SR5	8/7/2019 8:40	28.05	75.3	5.68	6.2	SR5	8/7/2019 14:40	28.17	70.5	5.42	8.2	SR5	8/7/2019 20:40	28.76	73.5	5.62	6.9
SR5	8/7/2019 2:45	27.46	69.3	5.52	7.9	SR5	8/7/2019 8:45	28.06	75.5	5.69	7.9	SR5	8/7/2019 14:45	28.15	69.8	5.37	7.1	SR5	8/7/2019 20:45	28.73	73.6	5.63	7.6
SR5	8/7/2019 2:50	27.45	69.5	5.53	6.6	SR5	8/7/2019 8:50	28.06	76.1	5.72	7.1	SR5	8/7/2019 14:50	28.08	69.8	5.37	6.7	SR5	8/7/2019 20:50	28.74	73.7	5.63	7.2
SR5	8/7/2019 2:55	27.46	69.8	5.55	5.5	SR5	8/7/2019 8:55	28.09	76.6	5.77	5.9	SR5	8/7/2019 14:55	28.17	70.8	5.43	6.5	SR5	8/7/2019 20:55	28.73	73.6	5.61	6.3
SR5	8/7/2019 3:00	27.46	69.3	5.53	5.2	SR5	8/7/2019 9:00	28.07	76.5	5.75	6.3	SR5	8/7/2019 15:00	28.07	71.0	5.44	8.0	SR5	8/7/2019 21:00	28.76	74.4	5.67	7.4
SR5	8/7/2019 3:05	27.47	69.6	5.56	6.9	SR5	8/7/2019 9:05	28.06	77.4	5.78	7.5	SR5	8/7/2019 15:05	28.25	70.4	5.40	6.7	SR5	8/7/2019 21:05	28.71	75.0	5.72	7.2
SR5	8/7/2019 3:10	27.47	69.9	5.57	5.4	SR5	8/7/2019 9:10	28.06	76.9	5.75	6.2	SR5	8/7/2019 15:10	28.23	70.8	5.44	7.5	SR5	8/7/2019 21:10	28.71	74.6	5.69	6.0
SR5	8/7/2019 3:15	27.50	69.7	5.54	5.4	SR5	8/7/2019 9:15	28.06	77.5	5.79	5.9	SR5	8/7/2019 15:15	28.09	71.1	5.46	6.9	SR5	8/7/2019 21:15	28.71	74.4	5.66	6.7
SR5	8/7/2019 3:20	27.51	69.5	5.52	7.9	SR5	8/7/2019 9:20	28.06	78.3	5.85	7.8	SR5	8/7/2019 15:20	28.24	71.0	5.45	6.4	SR5	8/7/2019 21:20	28.74	74.4	5.67	7.1
SR5	8/7/2019 3:25	27.58	69.1	5.51	4.8	SR5	8/7/2019 9:25	28.08	78.0	5.82	7.4	SR5	8/7/2019 15:25	28.44	71.5	5.49	5.8	SR5	8/7/2019 21:25	28.77	74.6	5.69	6.5
SR5	8/7/2019 3:30	27.63	69.7	5.55	5.3	SR5	8/7/2019 9:30	28.07	77.7	5.80	6.8	SR5	8/7/2019 15:30	28.43	70.7	5.42	5.9	SR5	8/7/2019 21:30	28.73	74.5	5.68	7.7
SR5	8/7/2019 3:35	27.64	69.5	5.55	7.1	SR5	8/7/2019 9:35	28.06	77.6	5.81	6.2	SR5	8/7/2019 15:35	28.50	70.8	5.46	7.2	SR5	8/7/2019 21:35	28.75	74.2	5.67	6.7
SR5	8/7/2019 3:40	27.65	69.6	5.54	6.6	SR5	8/7/2019 9:40	28.06	77.5	5.81	6.8	SR5	8/7/2019 15:40	28.38	70.8	5.46	7.0	SR5	8/7/2019 21:40	28.74	74.2	5.66	7.6
SR5	8/7/2019 3:45	27.64	69.9	5.48	5.9	SR5	8/7/2019 9:45	28.06	76.7	5.76	6.5	SR5	8/7/2019 15:45	28.35	70.4	5.41	5.0	SR5	8/7/2019 21:45	28.73	75.2	5.71	8.2
SR5	8/7/2019 3:50	27.64	69.3	5.51	8.5	SR5	8/7/2019 9:50	28.06	74.8	5.67	6.1	SR5	8/7/2019 15:50	28.39	70.8	5.43	6.5	SR5	8/7/2019 21:50	28.73	74.8	5.68	8.0
SR5	8/7/2019 3:55	27.65	71.1	5.48	5.3	SR5	8/7/2019 9:55	28.06	74.1	5.64	6.9	SR5	8/7/2019 15:55	28.36	71.0	5.46	6.2	SR5	8/7/2019 21:55	28.74	75.1	5.73	6.9
SR5	8/7/2019 4:00	27																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/7/2019 0:01	27.59	64.9	4.86	5.9	SR12	8/7/2019 6:01	27.59	68.9	5.16	1.9	SR12	8/7/2019 12:01	27.75	65.9	4.93	8.0	SR12	8/7/2019 18:01	28.12	63.7	4.77	5.7
SR12	8/7/2019 0:06	27.61	68.1	5.10	5.7	SR12	8/7/2019 6:06	27.59	61.5	4.60	5.2	SR12	8/7/2019 12:06	27.71	62.4	4.67	6.0	SR12	8/7/2019 18:06	28.05	64.0	4.79	5.4
SR12	8/7/2019 0:11	27.56	62.4	4.67	6.1	SR12	8/7/2019 6:11	27.60	67.3	5.04	6.3	SR12	8/7/2019 12:11	27.70	65.6	4.91	7.4	SR12	8/7/2019 18:11	28.07	67.5	5.05	6.0
SR12	8/7/2019 0:16	27.58	64.9	4.86	5.2	SR12	8/7/2019 6:16	27.60	62.3	4.66	5.5	SR12	8/7/2019 12:16	27.76	62.4	4.67	7.0	SR12	8/7/2019 18:16	28.07	61.5	4.60	5.8
SR12	8/7/2019 0:21	27.54	68.3	5.11	5.0	SR12	8/7/2019 6:21	27.62	66.3	4.96	1.2	SR12	8/7/2019 12:21	27.72	64.0	4.79	7.5	SR12	8/7/2019 18:21	27.98	66.0	4.94	4.8
SR12	8/7/2019 0:26	27.52	65.2	4.88	5.2	SR12	8/7/2019 6:26	27.58	66.0	4.94	5.1	SR12	8/7/2019 12:26	27.69	63.3	4.74	6.9	SR12	8/7/2019 18:26	28.01	69.2	5.18	5.4
SR12	8/7/2019 0:31	27.55	68.9	5.16	5.0	SR12	8/7/2019 6:31	27.61	67.9	5.08	5.0	SR12	8/7/2019 12:31	27.82	65.6	4.91	6.8	SR12	8/7/2019 18:31	27.93	67.7	5.07	5.1
SR12	8/7/2019 0:36	27.57	66.5	4.98	5.8	SR12	8/7/2019 6:36	27.59	68.9	5.16	3.3	SR12	8/7/2019 12:36	27.76	62.5	4.68	6.8	SR12	8/7/2019 18:36	27.91	66.0	4.94	5.7
SR12	8/7/2019 0:41	27.57	65.6	4.91	5.8	SR12	8/7/2019 6:41	27.59	66.3	4.96	4.9	SR12	8/7/2019 12:41	27.81	68.3	5.11	7.2	SR12	8/7/2019 18:41	27.87	66.0	4.94	3.3
SR12	8/7/2019 0:46	27.51	61.5	4.60	5.0	SR12	8/7/2019 6:46	27.60	62.5	4.68	5.5	SR12	8/7/2019 12:46	27.74	69.5	5.20	7.9	SR12	8/7/2019 18:46	27.87	69.6	5.21	3.6
SR12	8/7/2019 0:51	27.56	62.8	4.70	5.2	SR12	8/7/2019 6:51	27.61	68.9	5.16	5.7	SR12	8/7/2019 12:51	27.67	64.5	4.83	6.8	SR12	8/7/2019 18:51	27.80	65.5	4.90	2.4
SR12	8/7/2019 0:56	27.58	63.7	4.77	5.4	SR12	8/7/2019 6:56	27.56	62.9	4.71	5.2	SR12	8/7/2019 12:56	27.71	61.7	4.62	7.7	SR12	8/7/2019 18:56	27.83	63.1	4.72	6.4
SR12	8/7/2019 1:01	27.56	64.0	4.79	3.3	SR12	8/7/2019 7:01	27.61	69.2	5.18	5.3	SR12	8/7/2019 13:01	27.72	63.9	4.78	6.8	SR12	8/7/2019 19:01	27.92	63.9	4.78	4.8
SR12	8/7/2019 1:06	27.49	65.1	4.87	5.6	SR12	8/7/2019 7:06	27.57	61.3	4.59	6.3	SR12	8/7/2019 13:06	27.68	65.5	4.90	3.3	SR12	8/7/2019 19:06	27.88	63.3	4.74	4.9
SR12	8/7/2019 1:11	27.48	66.0	4.94	5.9	SR12	8/7/2019 7:11	27.60	64.1	4.80	5.2	SR12	8/7/2019 13:11	27.76	68.3	5.11	5.5	SR12	8/7/2019 19:11	27.89	66.4	4.97	5.8
SR12	8/7/2019 1:16	27.54	65.3	4.89	2.7	SR12	8/7/2019 7:16	27.61	66.3	4.96	5.6	SR12	8/7/2019 13:16	27.70	66.5	4.98	4.8	SR12	8/7/2019 19:16	27.94	62.4	4.67	5.1
SR12	8/7/2019 1:21	27.50	68.3	5.11	5.8	SR12	8/7/2019 7:21	27.61	63.3	4.74	4.8	SR12	8/7/2019 13:21	27.76	68.8	5.15	4.8	SR12	8/7/2019 19:21	27.94	66.1	4.95	5.8
SR12	8/7/2019 1:26	27.50	68.9	5.16	5.7	SR12	8/7/2019 7:26	27.61	62.5	4.68	5.3	SR12	8/7/2019 13:26	27.76	64.8	4.85	5.9	SR12	8/7/2019 19:26	27.94	63.1	4.72	5.5
SR12	8/7/2019 1:31	27.47	65.3	4.89	5.5	SR12	8/7/2019 7:31	27.60	64.8	4.85	4.9	SR12	8/7/2019 13:31	27.64	68.5	5.13	5.6	SR12	8/7/2019 19:31	27.95	67.1	5.02	5.3
SR12	8/7/2019 1:36	27.51	66.3	4.96	4.9	SR12	8/7/2019 7:36	27.60	67.7	5.07	6.3	SR12	8/7/2019 13:36	27.62	64.4	4.82	5.5	SR12	8/7/2019 19:36	27.98	68.4	5.12	6.2
SR12	8/7/2019 1:41	27.52	69.3	5.19	5.5	SR12	8/7/2019 7:41	27.60	61.7	4.62	5.0	SR12	8/7/2019 13:41	27.64	62.3	4.66	5.9	SR12	8/7/2019 19:41	27.98	67.2	5.03	6.2
SR12	8/7/2019 1:46	27.52	64.9	4.86	5.0	SR12	8/7/2019 7:46	27.59	62.4	4.67	5.0	SR12	8/7/2019 13:46	27.65	65.2	4.88	5.2	SR12	8/7/2019 19:46	27.99	67.5	5.05	6.5
SR12	8/7/2019 1:51	27.52	62.9	4.71	6.3	SR12	8/7/2019 7:51	27.59	63.9	4.78	4.8	SR12	8/7/2019 13:51	27.74	68.3	5.11	5.6	SR12	8/7/2019 19:51	27.98	67.2	5.03	5.3
SR12	8/7/2019 1:56	27.54	68.4	4.97	5.9	SR12	8/7/2019 7:56	27.57	66.3	4.96	5.7	SR12	8/7/2019 13:56	27.65	62.5	4.68	5.4	SR12	8/7/2019 19:56	27.99	64.8	4.85	6.1
SR12	8/7/2019 2:01	27.54	61.9	4.63	5.3	SR12	8/7/2019 8:01	27.56	64.3	4.81	5.9	SR12	8/7/2019 14:01	27.74	63.6	4.76	7.3	SR12	8/7/2019 20:01	27.99	65.1	4.87	2.3
SR12	8/7/2019 2:06	27.57	69.3	5.19	5.4	SR12	8/7/2019 8:06	27.58	66.3	4.96	5.6	SR12	8/7/2019 14:06	27.84	66.1	4.95	6.3	SR12	8/7/2019 20:06	27.99	66.0	4.94	4.9
SR12	8/7/2019 2:11	27.55	65.1	4.87	4.8	SR12	8/7/2019 8:11	27.57	65.3	4.89	5.1	SR12	8/7/2019 14:11	27.75	67.5	5.05	6.9	SR12	8/7/2019 20:11	27.98	61.3	4.59	4.9
SR12	8/7/2019 2:16	27.58	66.8	5.00	5.6	SR12	8/7/2019 8:16	27.58	61.9	4.63	5.2	SR12	8/7/2019 14:16	27.92	61.3	4.59	7.9	SR12	8/7/2019 20:16	27.98	67.2	5.03	4.8
SR12	8/7/2019 2:21	27.58	63.3	4.74	5.6	SR12	8/7/2019 8:21	27.58	63.3	4.74	4.8	SR12	8/7/2019 14:21	27.94	66.4	4.97	5.7	SR12	8/7/2019 20:21	27.98	62.5	4.68	5.9
SR12	8/7/2019 2:26	27.58	66.4	4.97	6.0	SR12	8/7/2019 8:26	27.58	69.1	5.17	6.5	SR12	8/7/2019 14:26	28.12	69.1	5.17	6.0	SR12	8/7/2019 20:26	27.97	67.1	5.02	5.5
SR12	8/7/2019 2:31	27.64	68.5	5.13	5.0	SR12	8/7/2019 8:31	27.59	69.3	5.19	3.7	SR12	8/7/2019 14:31	28.11	66.8	5.00	7.3	SR12	8/7/2019 20:31	27.99	63.1	4.72	6.0
SR12	8/7/2019 2:36	27.67	66.4	4.97	5.5	SR12	8/7/2019 8:36	27.61	61.5	4.60	5.8	SR12	8/7/2019 14:36	28.35	64.7	4.84	6.6	SR12	8/7/2019 20:36	28.00	64.7	4.84	6.0
SR12	8/7/2019 2:41	27.72	69.3	5.19	4.8	SR12	8/7/2019 8:41	27.60	65.7	4.92	5.2	SR12	8/7/2019 14:41	28.32	65.9	4.93	6.0	SR12	8/7/2019 20:41	28.03	62.4	4.67	4.9
SR12	8/7/2019 2:46	27.73	63.6	4.76	6.3	SR12	8/7/2019 8:46	27.61	63.5	4.75	6.3	SR12	8/7/2019 14:46	28.27	64.3	4.81	7.2	SR12	8/7/2019 20:46	28.04	68.4	5.12	6.0
SR12	8/7/2019 2:51	27.70	63.1	4.72	6.7	SR12	8/7/2019 8:51	27.61	69.5	5.20	5.2	SR12	8/7/2019 14:51	28.20	68.0	5.09	5.3	SR12	8/7/2019 20:51	28.04	61.7	4.62	7.2
SR12	8/7/2019 2:56	27.68	64.5	4.83	6.2	SR12	8/7/2019 8:56	27.65	69.6	5.21	5.4	SR12	8/7/2019 14:56	28.20	65.9	4.93	7.8	SR12	8/7/2019 20:56	28.03	65.5	4.90	5.6
SR12	8/7/2019 3:01	27.75	64.7	4.84	4.9	SR12	8/7/2019 9:01	27.60	66.1	4.95	6.0	SR12	8/7/2019 15:01	28.18	63.9	4.74	7.1	SR12	8/7/2019 21:01	28.03	64.5	4.83	6.2
SR12	8/7/2019 3:06	27.78	66.5	4.98	5.7	SR12	8/7/2019 9:06	27.57	69.3	5.19	5.7	SR12	8/7/2019 15:06	28.16	66.7	4.99	7.3	SR12	8/7/2019 21:06	28.03	62.3	4.66	5.4
SR12	8/7/2019 3:11	27.77	62.8	4.70	5.6	SR12	8/7/2019 9:11	27.62	64.3	4.81	5.9	SR12	8/7/2019 15:11	28.14	67.3	5.04	6.1	SR12	8/7/2019 21:11	28.07	63.5	4.75	5.5
SR12	8/7/2019 3:16	27.75	61.6	4.61	5.2	SR12	8/7/2019 9:16	27.63	68.5	5.13	5.9	SR12	8/7/2019 15:16	28.13	65.2	4.88	7.7	SR12	8/7/2019 21:16	28.07	68.9	5.16	5.0
SR12	8/7/2019 3:21	27.76	67.7	5.07	4.8	SR12	8/7/2019 9:21	27.64	64.7	4.84	5.3	SR12	8/7/2019 15:21	28.11	64.9	4.86	7.1	SR12	8/7/2019 21:21	28.08	65.3	4.89	6.3
SR12	8/7/2019 3:26	27.77	68.0	5.09	6.0	SR12	8/7/2019 9:26	27.60	63.7	4.77	5.4	SR12	8/7/2019 15:26	28.18	64.3	4.81	6.7	SR12	8/7/2019 21:26	28.09	68.7	5.14	5.7
SR12	8/7/2019 3:31	27.76	65.9	4.93	5.3	SR12	8/7/2019 9:31	27.63	68.3	5.11	5.8	SR12	8/7/2019 15:31	28.24	64.4	4.82	6.7	SR12	8/7/2019 21:31	28.10	65.5	4.90	6.2
SR12	8/7/2019 3:36	27.78	69.5	5.20	6.1	SR12	8/7/2019 9:36	27.64	68.9	5.16	5.7	SR12	8/7/2019 15:36	28.21	64.4	4.82	6.6	SR12	8/7/2019 21:36	28.12	61.7	4.62	6.2
SR12	8/7/2019 3:41	27.78	63.9	4.78	4.9	SR12	8/7/2019 9:41	27.62	65.1	4.87	6.4	SR12	8/7/2019 15:41	28.15	69.1	5.17	8.0	SR12	8/7/2019 21:41	28.11	62.4	4.67	6.4
SR12	8/7/2019 3:46	27.77	64.8	4.85	4.9	SR12	8/7/2019 9:46	27.63	67.5	5.05	5.7	SR12	8/7/2019 15:46	28.16	67.3	5.04	7.6	SR12	8/7/2019 21:46	28.12	66.7	4.99	5.6
SR12	8/7/2019 3:51	27.77	61.9	4.63	5.9	SR12	8/7/2019 9:51	27.64	63.6	4.76	6.7	SR12	8/7/2019 15:51	28.28	61.6	4.61	8.5	SR12	8/7/2019 21:51	28.13	66.7	4.99	6.9
SR12	8/7/2019 3:56	27.78	61.7	4.62	5.7	SR12	8/7/2019 9:56	27															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/7/2019 0:00	28.17	69.6	5.32	6.7	SR13	8/7/2019 6:00	28.12	68.1	5.17	5.9	SR13	8/7/2019 12:00	28.27	73.5	5.54	5.6	SR13	8/7/2019 18:00	28.83	70.7	5.33	5.7
SR13	8/7/2019 0:05	28.17	70.2	5.37	6.5	SR13	8/7/2019 6:05	28.11	67.7	5.14	6.1	SR13	8/7/2019 12:05	28.27	72.1	5.44	6.2	SR13	8/7/2019 18:05	28.86	69.7	5.24	6.4
SR13	8/7/2019 0:10	28.16	68.8	5.26	6.3	SR13	8/7/2019 6:10	28.13	68.7	5.22	6.3	SR13	8/7/2019 12:10	28.20	72.7	5.49	5.8	SR13	8/7/2019 18:10	28.89	71.2	5.35	5.3
SR13	8/7/2019 0:15	28.17	69.1	5.29	6.0	SR13	8/7/2019 6:15	28.13	69.7	5.29	6.4	SR13	8/7/2019 12:15	28.13	69.6	5.26	5.6	SR13	8/7/2019 18:15	28.90	71.4	5.38	6.2
SR13	8/7/2019 0:20	28.16	70.9	5.42	6.1	SR13	8/7/2019 6:20	28.14	67.4	5.12	5.8	SR13	8/7/2019 12:20	28.11	68.4	5.18	5.5	SR13	8/7/2019 18:20	28.87	71.7	5.40	6.2
SR13	8/7/2019 0:25	28.16	69.0	5.27	5.9	SR13	8/7/2019 6:25	28.15	67.8	5.15	5.7	SR13	8/7/2019 12:25	28.11	69.5	5.27	5.5	SR13	8/7/2019 18:25	28.92	71.4	5.37	6.0
SR13	8/7/2019 0:30	28.16	68.3	5.23	6.0	SR13	8/7/2019 6:30	28.17	68.5	5.19	5.9	SR13	8/7/2019 12:30	28.15	70.4	5.33	5.9	SR13	8/7/2019 18:30	28.91	72.3	5.44	5.8
SR13	8/7/2019 0:35	28.17	69.3	5.31	6.5	SR13	8/7/2019 6:35	28.16	69.4	5.26	6.2	SR13	8/7/2019 12:35	28.15	68.5	5.19	5.5	SR13	8/7/2019 18:35	28.97	71.7	5.39	5.9
SR13	8/7/2019 0:40	28.16	67.3	5.14	5.4	SR13	8/7/2019 6:40	28.16	68.4	5.18	5.7	SR13	8/7/2019 12:40	28.18	69.0	5.23	6.7	SR13	8/7/2019 18:40	28.97	71.6	5.38	4.5
SR13	8/7/2019 0:45	28.15	70.4	5.38	5.5	SR13	8/7/2019 6:45	28.18	69.2	5.24	6.3	SR13	8/7/2019 12:45	28.22	69.8	5.30	5.6	SR13	8/7/2019 18:45	28.92	71.7	5.39	5.6
SR13	8/7/2019 0:50	28.13	68.6	5.25	5.7	SR13	8/7/2019 6:50	28.17	69.2	5.24	6.3	SR13	8/7/2019 12:50	28.22	70.9	5.37	6.1	SR13	8/7/2019 18:50	28.96	69.7	5.24	5.9
SR13	8/7/2019 0:55	28.14	68.9	5.27	5.6	SR13	8/7/2019 6:55	28.19	67.9	5.14	6.4	SR13	8/7/2019 12:55	28.28	68.1	5.16	6.8	SR13	8/7/2019 18:55	28.96	72.3	5.44	5.3
SR13	8/7/2019 1:00	28.13	66.9	5.13	5.8	SR13	8/7/2019 7:00	28.18	68.6	5.19	5.4	SR13	8/7/2019 13:00	28.20	68.1	5.16	6.0	SR13	8/7/2019 19:00	28.95	70.1	5.28	5.6
SR13	8/7/2019 1:05	28.12	68.5	5.24	5.9	SR13	8/7/2019 7:05	28.20	71.2	5.38	6.9	SR13	8/7/2019 13:05	28.28	69.4	5.28	6.1	SR13	8/7/2019 19:05	28.94	71.9	5.42	5.9
SR13	8/7/2019 1:10	28.14	68.7	5.26	5.9	SR13	8/7/2019 7:10	28.20	71.0	5.36	5.5	SR13	8/7/2019 13:10	28.28	68.7	5.22	6.9	SR13	8/7/2019 19:10	28.93	69.9	5.27	6.1
SR13	8/7/2019 1:15	28.15	67.9	5.20	5.3	SR13	8/7/2019 7:15	28.22	67.3	5.07	6.5	SR13	8/7/2019 13:15	28.37	67.7	5.14	6.5	SR13	8/7/2019 19:15	28.92	70.6	5.31	6.0
SR13	8/7/2019 1:20	28.17	69.4	5.34	5.7	SR13	8/7/2019 7:20	28.23	69.7	5.25	5.5	SR13	8/7/2019 13:20	28.34	68.6	5.21	5.9	SR13	8/7/2019 19:20	28.93	69.8	5.26	6.0
SR13	8/7/2019 1:25	28.16	67.2	5.17	6.5	SR13	8/7/2019 7:25	28.24	68.9	5.18	5.9	SR13	8/7/2019 13:25	28.30	68.0	5.16	6.9	SR13	8/7/2019 19:25	28.92	72.5	5.46	5.9
SR13	8/7/2019 1:30	28.14	66.9	5.15	6.0	SR13	8/7/2019 7:30	28.23	71.3	5.36	6.0	SR13	8/7/2019 13:30	28.32	69.4	5.27	5.7	SR13	8/7/2019 19:30	28.93	69.9	5.26	6.9
SR13	8/7/2019 1:35	28.13	67.6	5.20	6.2	SR13	8/7/2019 7:35	28.24	71.2	5.36	5.5	SR13	8/7/2019 13:35	28.32	68.6	5.21	6.5	SR13	8/7/2019 19:35	28.90	71.1	5.35	6.1
SR13	8/7/2019 1:40	28.16	67.6	5.20	5.9	SR13	8/7/2019 7:40	28.22	70.0	5.27	5.9	SR13	8/7/2019 13:40	28.26	67.8	5.14	6.7	SR13	8/7/2019 19:40	28.89	70.4	5.30	5.7
SR13	8/7/2019 1:45	28.18	68.1	5.22	6.3	SR13	8/7/2019 7:45	28.23	71.4	5.38	5.9	SR13	8/7/2019 13:45	28.24	69.0	5.24	6.6	SR13	8/7/2019 19:45	28.89	69.7	5.24	6.6
SR13	8/7/2019 1:50	28.17	66.9	5.12	6.1	SR13	8/7/2019 7:50	28.24	69.0	5.20	6.7	SR13	8/7/2019 13:50	28.22	69.2	5.26	6.1	SR13	8/7/2019 19:50	28.90	70.2	5.28	5.9
SR13	8/7/2019 1:55	28.18	68.1	5.06	5.5	SR13	8/7/2019 7:55	28.25	70.9	5.35	6.1	SR13	8/7/2019 13:55	28.37	68.2	5.18	6.9	SR13	8/7/2019 19:55	28.88	72.3	5.45	6.2
SR13	8/7/2019 2:00	28.18	68.9	5.27	5.8	SR13	8/7/2019 8:00	28.27	69.5	5.23	5.6	SR13	8/7/2019 14:00	28.26	68.4	5.18	6.3	SR13	8/7/2019 20:00	28.89	71.3	5.36	5.7
SR13	8/7/2019 2:05	28.18	69.2	5.30	6.7	SR13	8/7/2019 8:05	28.26	69.3	5.23	6.7	SR13	8/7/2019 14:05	28.47	68.0	5.16	6.9	SR13	8/7/2019 20:05	28.89	72.2	5.43	6.2
SR13	8/7/2019 2:10	28.16	68.4	5.24	6.2	SR13	8/7/2019 8:10	28.26	70.2	5.29	5.7	SR13	8/7/2019 14:10	28.44	67.5	5.13	6.3	SR13	8/7/2019 20:10	28.89	71.1	5.35	6.5
SR13	8/7/2019 2:15	28.17	69.8	5.34	6.1	SR13	8/7/2019 8:15	28.27	71.2	5.37	6.1	SR13	8/7/2019 14:15	28.43	68.0	5.16	6.5	SR13	8/7/2019 20:15	28.90	69.6	5.25	5.4
SR13	8/7/2019 2:20	28.17	67.9	5.20	5.6	SR13	8/7/2019 8:20	28.23	71.1	5.35	7.0	SR13	8/7/2019 14:20	28.51	70.2	5.31	6.5	SR13	8/7/2019 20:20	28.90	69.9	5.26	6.4
SR13	8/7/2019 2:25	28.17	67.9	5.20	5.8	SR13	8/7/2019 8:25	28.24	72.4	5.45	5.8	SR13	8/7/2019 14:25	28.58	69.9	5.27	6.2	SR13	8/7/2019 20:25	28.92	71.7	5.39	6.2
SR13	8/7/2019 2:30	28.17	67.3	5.16	5.8	SR13	8/7/2019 8:30	28.25	70.7	5.32	6.4	SR13	8/7/2019 14:30	28.53	67.1	5.07	7.1	SR13	8/7/2019 20:30	28.92	72.1	5.43	6.4
SR13	8/7/2019 2:35	28.17	67.1	5.14	6.1	SR13	8/7/2019 8:35	28.26	70.1	5.28	6.6	SR13	8/7/2019 14:35	28.52	69.4	5.26	6.8	SR13	8/7/2019 20:35	28.91	70.1	5.27	6.4
SR13	8/7/2019 2:40	28.16	68.5	5.25	6.3	SR13	8/7/2019 8:40	28.27	72.3	5.44	6.2	SR13	8/7/2019 14:40	28.60	68.5	5.21	7.4	SR13	8/7/2019 20:40	28.91	71.7	5.39	6.5
SR13	8/7/2019 2:45	28.14	69.8	5.34	6.1	SR13	8/7/2019 8:45	28.26	72.1	5.42	7.2	SR13	8/7/2019 14:45	28.59	69.2	5.26	6.5	SR13	8/7/2019 20:45	28.91	70.8	5.33	6.3
SR13	8/7/2019 2:50	28.14	69.6	5.33	5.8	SR13	8/7/2019 8:50	28.26	72.6	5.45	6.5	SR13	8/7/2019 14:50	28.54	68.1	5.17	6.5	SR13	8/7/2019 20:50	28.91	71.6	5.39	6.3
SR13	8/7/2019 2:55	28.14	67.8	5.19	5.1	SR13	8/7/2019 8:55	28.28	71.1	5.34	6.7	SR13	8/7/2019 14:55	28.45	67.9	5.15	6.0	SR13	8/7/2019 20:55	28.90	72.6	5.46	6.1
SR13	8/7/2019 3:00	28.13	69.6	5.34	5.4	SR13	8/7/2019 9:00	28.26	71.0	5.33	7.0	SR13	8/7/2019 15:00	28.57	67.2	5.10	5.9	SR13	8/7/2019 21:00	28.91	73.4	5.52	6.2
SR13	8/7/2019 3:05	28.12	69.9	5.36	5.9	SR13	8/7/2019 9:05	28.24	73.1	5.48	7.4	SR13	8/7/2019 15:05	28.55	67.2	5.10	5.3	SR13	8/7/2019 21:05	28.90	73.3	5.51	6.8
SR13	8/7/2019 3:10	28.12	69.9	5.35	5.5	SR13	8/7/2019 9:10	28.24	72.6	5.44	6.5	SR13	8/7/2019 15:10	28.59	68.2	5.18	6.1	SR13	8/7/2019 21:10	28.88	72.2	5.43	6.4
SR13	8/7/2019 3:15	28.13	68.8	5.26	5.5	SR13	8/7/2019 9:15	28.24	70.6	5.29	6.6	SR13						SR13	8/7/2019 21:15	28.87	73.0	5.49	6.1
SR13	8/7/2019 3:20	28.13	69.7	5.33	6.5	SR13	8/7/2019 9:20	28.21	70.8	5.31	7.2	SR13						SR13	8/7/2019 21:20	28.89	71.7	5.39	6.8
SR13	8/7/2019 3:25	28.14	69.6	5.33	5.6	SR13	8/7/2019 9:25	28.19	73.0	5.47	6.6	SR13						SR13	8/7/2019 21:25	28.91	74.0	5.56	6.3
SR13	8/7/2019 3:30	28.15	68.0	5.21	4.9	SR13	8/7/2019 9:30	28.20	72.6	5.44	6.5	SR13						SR13	8/7/2019 21:30	28.89	74.1	5.57	6.5
SR13	8/7/2019 3:35	28.15	69.0	5.29	5.7	SR13	8/7/2019 9:35	28.19	70.6	5.29	6.2	SR13						SR13	8/7/2019 21:35	28.89	74.9	5.63	6.0
SR13	8/7/2019 3:40	28.15	66.8	5.12	5.3	SR13	8/7/2019 9:40	28.19	69.5	5.22	6.3	SR13	8/7/2019 15:40	28.65	67.2	5.09	5.8	SR13	8/7/2019 21:40	28.88	71.7	5.39	7.1
SR13	8/7/2019 3:45	28.14	66.0	5.06	6.0	SR13	8/7/2019 9:45	28.16	71.3	5.35	5.8	SR13	8/7/2019 15:45	28.69	66.8	5.05	5.2	SR13	8/7/2019 21:45	28.82	72.2	5.42	6.7
SR13	8/7/2019 3:50	28.14	66.6	5.12	6.7	SR13	8/7/2019 9:50	28.18	72.1	5.43	5.8	SR13	8/7/2019 15:50	28.67	70.2	5.31	5.6	SR13	8/7/2019 21:50	28.83	72.0	5.41	6.9
SR13	8/7/2019 3:55	28.15	69.8	5.30	5.3	SR13	8/7/2019 9:55	28.18	69.8	5.27	6.7	SR13	8/7/2019 15:55	28.65	69.7	5.27	5.6	SR13	8/7/2019 21:55	28.83	73.1	5.49	7.0
SR13	8/																						

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/7/2019 0:17	0.19				SR12	8/7/2019 0:17	0.21			
SR4	8/7/2019 0:37	0.19				SR12	8/7/2019 0:37	0.21			
SR4	8/7/2019 0:57	0.19				SR12	8/7/2019 0:57	0.20			
SR4	8/7/2019 1:17	0.19				SR12	8/7/2019 1:17	0.22			
SR4	8/7/2019 1:37	0.18				SR12	8/7/2019 1:37	0.20			
SR4	8/7/2019 1:57	0.18				SR12	8/7/2019 1:57	0.20			
SR4	8/7/2019 2:17	0.17				SR12	8/7/2019 2:17	0.21			
SR4	8/7/2019 2:37	0.18				SR12	8/7/2019 2:37	0.21			
SR4	8/7/2019 2:57	0.17				SR12	8/7/2019 2:57	0.21			
SR4	8/7/2019 3:17	0.18				SR12	8/7/2019 3:17	0.21			
SR4	8/7/2019 3:37	0.18				SR12	8/7/2019 3:37	0.22			
SR4	8/7/2019 3:57	0.18				SR12	8/7/2019 3:57	0.21			
SR4	8/7/2019 4:17	0.18				SR12	8/7/2019 4:17	0.22			
SR4	8/7/2019 4:37	0.19				SR12	8/7/2019 4:37	0.20			
SR4	8/7/2019 4:57	0.18				SR12	8/7/2019 4:57	0.22			
SR4	8/7/2019 5:17	0.17				SR12	8/7/2019 5:17	0.20			
SR4	8/7/2019 5:37	0.17				SR12	8/7/2019 5:37	0.18			
SR4	8/7/2019 5:57	0.16				SR12	8/7/2019 5:57	0.19			
SR4						SR12					
SR4	8/7/2019 6:37	0.17				SR12	8/7/2019 6:37	0.18			
SR4	8/7/2019 6:57	0.18				SR12	8/7/2019 6:57	0.17			
SR4	8/7/2019 7:17	0.18				SR12	8/7/2019 7:17	0.19			
SR4	8/7/2019 7:37	0.17				SR12	8/7/2019 7:37	0.19			
SR4	8/7/2019 7:57	0.16				SR12	8/7/2019 7:57	0.19			
SR4	8/7/2019 8:17	0.16				SR12	8/7/2019 8:17	0.18			
SR4	8/7/2019 8:37	0.18				SR12	8/7/2019 8:37	0.19			
SR4	8/7/2019 8:57	0.17				SR12	8/7/2019 8:57	0.18			
SR4	8/7/2019 9:17	0.18				SR12	8/7/2019 9:17	0.17			
SR4	8/7/2019 9:37	0.18				SR12	8/7/2019 9:37	0.18			
SR4	8/7/2019 9:57	0.17				SR12	8/7/2019 9:57	0.18			
SR4	8/7/2019 10:17	0.16				SR12					
SR4	8/7/2019 10:37	0.16				SR12					
SR4	8/7/2019 10:57	0.16				SR12					
SR4	8/7/2019 11:17	0.16				SR12					
SR4	8/7/2019 11:37	0.16				SR12	8/7/2019 11:37	0.18			
SR4	8/7/2019 11:57	0.16				SR12	8/7/2019 11:57	0.18			
SR4						SR12	8/7/2019 12:17	0.17			
SR4						SR12	8/7/2019 12:37	0.17			
SR4						SR12	8/7/2019 12:57	0.16			
SR4						SR12	8/7/2019 13:17	0.15			
SR4	8/7/2019 13:37	0.14				SR12	8/7/2019 13:37	0.16			
SR4	8/7/2019 13:57	0.14				SR12	8/7/2019 13:57	0.17			
SR4	8/7/2019 14:17	0.16				SR12	8/7/2019 14:17	0.17			
SR4	8/7/2019 14:37	0.16				SR12	8/7/2019 14:37	0.16			
SR4	8/7/2019 14:57	0.14				SR12	8/7/2019 14:57	0.15			
SR4	8/7/2019 15:17	0.14				SR12	8/7/2019 15:17	0.16			
SR4	8/7/2019 15:37	0.15				SR12	8/7/2019 15:37	0.16			
SR4	8/7/2019 15:57	0.15				SR12	8/7/2019 15:57	0.16			
SR4	8/7/2019 16:17	0.16				SR12	8/7/2019 16:17	0.15			
SR4	8/7/2019 16:37	0.15				SR12	8/7/2019 16:37	0.17			
SR4	8/7/2019 16:57	0.16				SR12	8/7/2019 16:57	0.17			
SR4	8/7/2019 17:17	0.14				SR12	8/7/2019 17:17	0.17			
SR4	8/7/2019 17:37	0.15				SR12	8/7/2019 17:37	0.16			
SR4	8/7/2019 17:57	0.15				SR12	8/7/2019 17:57	0.17			
SR4	8/7/2019 18:17	0.14				SR12	8/7/2019 18:17	0.17			
SR4	8/7/2019 18:37	0.15				SR12	8/7/2019 18:37	0.17			
SR4	8/7/2019 18:57	0.15				SR12	8/7/2019 18:57	0.15			
SR4	8/7/2019 19:17	0.16				SR12	8/7/2019 19:17	0.13			
SR4	8/7/2019 19:37	0.14				SR12	8/7/2019 19:37	0.14			
SR4	8/7/2019 19:57	0.12				SR12	8/7/2019 19:57	0.13			
SR4	8/7/2019 20:17	0.13				SR12	8/7/2019 20:17	0.14			
SR4	8/7/2019 20:37	0.12				SR12	8/7/2019 20:37	0.15			
SR4	8/7/2019 20:57	0.12				SR12	8/7/2019 20:57	0.14			
SR4	8/7/2019 21:17	0.12				SR12	8/7/2019 21:17	0.14			
SR4	8/7/2019 21:37	0.12				SR12	8/7/2019 21:37	0.14			
SR4	8/7/2019 21:57	0.13				SR12	8/7/2019 21:57	0.13			
SR4	8/7/2019 22:17	0.13				SR12	8/7/2019 22:17	0.14			
SR4	8/7/2019 22:37	0.13				SR12	8/7/2019 22:37	0.14			
SR4	8/7/2019 22:57	0.12				SR12	8/7/2019 22:57	0.14			
SR4	8/7/2019 23:17	0.13				SR12	8/7/2019 23:17	0.15			
SR4	8/7/2019 23:37	0.13				SR12	8/7/2019 23:37	0.13			
SR4	8/7/2019 23:57	0.13				SR12	8/7/2019 23:57	0.15			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
Automatic Instrument calibration of NH₃-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
SR4 monitoring station was under maintenance during 12:11-13:16.
SR12 monitoring station was under maintenance during 10:06-11:16.
SR13 monitoring station was under maintenance during 15:10-15:40.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/8/2019 0:01	27.95	63.1	4.21	8.6	SR4	8/8/2019 6:01	28.11	54.9	4.60	7.2	SR4	8/8/2019 12:01	28.58	77.5	5.17	7.2	SR4	8/8/2019 18:01	28.76	80.4	5.35	6.3
SR4	8/8/2019 0:06	27.92	65.3	4.36	8.4	SR4	8/8/2019 6:06	28.08	57.0	3.82	7.5	SR4	8/8/2019 12:06	28.50	76.1	5.08	7.5	SR4	8/8/2019 18:06	28.62	74.7	4.97	6.1
SR4	8/8/2019 0:11	27.93	62.9	4.20	8.0	SR4	8/8/2019 6:11	28.10	56.9	3.81	7.1	SR4	8/8/2019 12:11	28.49	76.1	5.08	7.4	SR4	8/8/2019 18:11	28.68	74.7	4.98	5.9
SR4	8/8/2019 0:16	28.01	66.6	4.46	8.1	SR4	8/8/2019 6:16	28.13	56.5	3.79	7.2	SR4	8/8/2019 12:16	28.51	77.7	5.19	7.9	SR4	8/8/2019 18:16	28.54	73.8	4.91	6.4
SR4	8/8/2019 0:21	27.98	64.6	4.32	8.4	SR4	8/8/2019 6:21	28.07	56.7	3.81	6.9	SR4	8/8/2019 12:21	28.39	72.4	4.84	7.3	SR4	8/8/2019 18:21	28.59	75.7	5.04	6.1
SR4	8/8/2019 0:26	28.07	66.5	4.45	7.7	SR4	8/8/2019 6:26	28.01	57.2	3.84	7.1	SR4	8/8/2019 12:26	28.55	75.7	5.05	7.3	SR4	8/8/2019 18:26	28.68	75.4	5.02	6.0
SR4	8/8/2019 0:31	28.02	64.9	4.34	18.4	SR4	8/8/2019 6:31	28.00	55.4	4.78	7.3	SR4	8/8/2019 12:31	28.68	75.1	5.01	7.6	SR4	8/8/2019 18:31	28.74	73.5	4.89	5.9
SR4	8/8/2019 0:36	28.01	67.3	4.50	7.9	SR4	8/8/2019 6:36	28.07	54.8	4.87	6.9	SR4	8/8/2019 12:36	28.61	72.2	4.82	7.5	SR4	8/8/2019 18:36	28.61	75.5	5.02	6.1
SR4	8/8/2019 0:41	28.07	66.8	4.47	8.0	SR4	8/8/2019 6:41	27.99	60.4	4.07	6.9	SR4	8/8/2019 12:41	28.60	74.0	4.93	7.6	SR4	8/8/2019 18:41	28.65	77.9	5.19	6.4
SR4	8/8/2019 0:46	28.13	69.6	4.67	8.2	SR4	8/8/2019 6:46	28.04	57.4	3.86	7.1	SR4	8/8/2019 12:46	28.60	74.1	4.94	7.8	SR4	8/8/2019 18:46	28.77	77.6	5.16	6.3
SR4	8/8/2019 0:51	28.12	67.4	4.52	7.8	SR4	8/8/2019 6:51	28.07	60.5	4.07	7.1	SR4	8/8/2019 12:51	28.55	75.9	5.06	7.9	SR4	8/8/2019 18:51	28.81	79.0	5.25	6.1
SR4	8/8/2019 0:56	28.16	66.4	4.46	7.7	SR4	8/8/2019 6:56	28.02	58.0	3.90	7.3	SR4	8/8/2019 12:56	28.63	74.0	4.93	6.9	SR4	8/8/2019 18:56	28.79	77.4	5.15	6.1
SR4	8/8/2019 1:01	28.15	68.0	4.56	8.0	SR4	8/8/2019 7:01	28.09	56.6	3.80	7.2	SR4	8/8/2019 13:01	28.60	74.6	4.97	7.4	SR4	8/8/2019 19:01	28.69	74.1	4.93	6.4
SR4	8/8/2019 1:06	28.16	64.0	4.30	7.7	SR4	8/8/2019 7:06	28.05	53.7	4.97	7.1	SR4	8/8/2019 13:06	28.65	74.9	4.99	7.6	SR4	8/8/2019 19:06	28.60	75.8	5.04	6.3
SR4	8/8/2019 1:11	28.15	67.5	4.54	7.9	SR4	8/8/2019 7:11	28.08	54.8	4.44	7.7	SR4	8/8/2019 13:11	28.71	74.8	4.98	7.1	SR4	8/8/2019 19:11	28.75	75.2	5.01	6.4
SR4	8/8/2019 1:16	28.18	68.4	4.59	8.3	SR4	8/8/2019 7:16	28.08	58.9	3.95	7.1	SR4	8/8/2019 13:16	28.60	74.8	4.99	6.1	SR4	8/8/2019 19:16	28.78	70.6	4.70	6.0
SR4	8/8/2019 1:21	28.20	66.0	4.43	7.7	SR4	8/8/2019 7:21	28.03	60.1	4.04	7.0	SR4	8/8/2019 13:21	28.71	75.9	5.05	6.0	SR4	8/8/2019 19:21	28.77	70.2	4.68	5.8
SR4	8/8/2019 1:26	28.17	66.3	4.46	7.8	SR4	8/8/2019 7:26	28.00	54.8	4.79	6.9	SR4	8/8/2019 13:26	28.81	75.0	4.99	6.4	SR4	8/8/2019 19:26	28.78	61.8	4.13	5.9
SR4	8/8/2019 1:31	28.17	70.4	4.74	8.3	SR4	8/8/2019 7:31	28.04	58.7	3.94	6.6	SR4	8/8/2019 13:31	28.73	77.0	5.12	6.6	SR4	8/8/2019 19:31	28.79	61.3	4.09	5.9
SR4	8/8/2019 1:36	28.17	68.9	4.64	7.5	SR4	8/8/2019 7:36	27.99	59.2	3.97	6.7	SR4	8/8/2019 13:36	28.70	76.9	5.12	7.3	SR4	8/8/2019 19:36	28.79	68.0	4.53	6.0
SR4	8/8/2019 1:41	28.19	66.2	4.45	7.4	SR4	8/8/2019 7:41	27.98	59.8	4.00	6.7	SR4	8/8/2019 13:41	28.79	77.5	5.15	7.1	SR4	8/8/2019 19:41	28.78	68.7	4.58	6.3
SR4	8/8/2019 1:46	28.19	65.5	4.40	7.6	SR4	8/8/2019 7:46	27.98	58.3	3.91	6.1	SR4	8/8/2019 13:46	28.71	77.0	5.13	6.5	SR4	8/8/2019 19:46	28.60	71.4	4.76	6.7
SR4	8/8/2019 1:51	28.19	65.1	4.37	7.2	SR4	8/8/2019 7:51	27.99	56.7	3.80	7.5	SR4	8/8/2019 13:51	28.82	77.9	5.17	6.4	SR4	8/8/2019 19:51	28.55	72.8	4.85	6.5
SR4	8/8/2019 1:56	28.18	65.1	4.38	7.3	SR4	8/8/2019 7:56	27.99	60.1	4.03	7.1	SR4	8/8/2019 13:56	28.93	78.6	5.22	6.4	SR4	8/8/2019 19:56	28.55	68.8	4.59	6.4
SR4	8/8/2019 2:01	28.17	66.3	4.46	7.7	SR4	8/8/2019 8:01	27.99	61.2	4.10	7.2	SR4	8/8/2019 14:01	28.89	78.3	5.20	6.1	SR4	8/8/2019 20:01	28.55	67.8	4.52	6.5
SR4	8/8/2019 2:06	28.17	68.4	4.60	7.6	SR4	8/8/2019 8:06	27.99	60.2	4.03	7.3	SR4	8/8/2019 14:06	28.89	78.0	5.18	6.6	SR4	8/8/2019 20:06	28.56	72.6	4.84	6.5
SR4	8/8/2019 2:11	28.18	69.4	4.67	7.3	SR4	8/8/2019 8:11	27.95	62.0	4.15	7.1	SR4	8/8/2019 14:11	28.93	80.4	5.34	6.5	SR4	8/8/2019 20:11	28.62	72.5	4.83	6.9
SR4	8/8/2019 2:16	28.18	68.5	4.61	7.9	SR4	8/8/2019 8:16	27.97	59.5	3.98	6.9	SR4	8/8/2019 14:16	28.89	80.9	5.38	6.5	SR4	8/8/2019 20:16	28.59	70.0	4.67	6.9
SR4	8/8/2019 2:21	28.17	71.1	4.79	7.7	SR4	8/8/2019 8:21	27.93	62.4	4.17	8.4	SR4	8/8/2019 14:21	28.81	79.6	5.30	6.5	SR4	8/8/2019 20:21	28.63	79.0	5.26	7.3
SR4	8/8/2019 2:26	28.17	70.5	4.74	7.8	SR4	8/8/2019 8:26	27.94	63.1	4.22	7.5	SR4	8/8/2019 14:26	28.77	80.0	5.33	6.2	SR4	8/8/2019 20:26	28.71	83.4	5.55	7.3
SR4	8/8/2019 2:31	28.17	69.8	4.70	7.7	SR4	8/8/2019 8:31	27.96	64.2	4.29	7.7	SR4	8/8/2019 14:31	28.76	79.1	5.27	6.2	SR4	8/8/2019 20:31	28.72	83.9	5.58	7.1
SR4	8/8/2019 2:36	28.18	70.1	4.72	7.7	SR4	8/8/2019 8:36	27.95	63.3	4.23	7.0	SR4	8/8/2019 14:36	28.76	78.2	5.21	6.1	SR4	8/8/2019 20:36	28.69	82.2	5.47	7.3
SR4	8/8/2019 2:41	28.18	70.7	4.76	7.6	SR4	8/8/2019 8:41	27.93	58.2	3.89	6.9	SR4	8/8/2019 14:41	28.77	80.0	5.33	5.9	SR4	8/8/2019 20:41	28.69	78.9	5.26	7.6
SR4	8/8/2019 2:46	28.18	70.4	4.74	7.5	SR4	8/8/2019 8:46	27.96	64.2	4.30	7.1	SR4	8/8/2019 14:46	28.82	80.3	5.35	5.9	SR4	8/8/2019 20:46	28.64	71.3	4.75	7.3
SR4	8/8/2019 2:51	28.15	71.0	4.78	7.7	SR4	8/8/2019 8:51	27.97	60.6	4.05	7.5	SR4	8/8/2019 14:51	28.83	80.8	5.38	5.9	SR4	8/8/2019 20:51	28.64	71.1	4.74	7.4
SR4	8/8/2019 2:56	28.17	72.9	4.91	7.8	SR4	8/8/2019 8:56	27.97	61.1	4.09	7.3	SR4	8/8/2019 14:56	28.90	81.2	5.40	6.0	SR4	8/8/2019 20:56	28.67	75.2	5.01	7.4
SR4	8/8/2019 3:01	28.17	71.1	4.79	7.8	SR4	8/8/2019 9:01	27.96	59.1	3.96	7.1	SR4	8/8/2019 15:01	28.92	82.1	5.46	5.9	SR4	8/8/2019 21:01	28.68	74.4	4.96	7.3
SR4	8/8/2019 3:06	28.17	70.5	4.75	7.7	SR4	8/8/2019 9:06	27.96	60.7	4.06	7.0	SR4	8/8/2019 15:06	28.83	81.7	5.44	6.4	SR4	8/8/2019 21:06	28.69	76.2	5.08	7.3
SR4	8/8/2019 3:11	28.18	66.1	4.45	7.6	SR4	8/8/2019 9:11	27.97	60.7	4.06	7.3	SR4	8/8/2019 15:11	28.76	81.0	5.40	6.5	SR4	8/8/2019 21:11	28.69	72.8	4.85	7.3
SR4	8/8/2019 3:16	28.17	65.8	4.43	7.5	SR4	8/8/2019 9:16	27.98	61.4	4.11	9.2	SR4	8/8/2019 15:16	28.78	81.6	5.44	6.3	SR4	8/8/2019 21:16	28.72	71.1	4.74	7.2
SR4	8/8/2019 3:21	28.17	59.1	3.98	7.5	SR4	8/8/2019 9:21	27.97	62.5	4.18	6.9	SR4	8/8/2019 15:21	28.75	82.4	5.49	5.9	SR4	8/8/2019 21:21	28.67	71.1	4.74	7.1
SR4	8/8/2019 3:26	28.17	63.7	4.29	7.6	SR4	8/8/2019 9:26	28.00	61.5	4.11	7.4	SR4	8/8/2019 15:26	28.78	85.1	5.67	6.3	SR4	8/8/2019 21:26	28.70	74.1	4.94	7.9
SR4	8/8/2019 3:31	28.19	65.9	4.43	7.7	SR4	8/8/2019 9:31	28.06	64.2	4.29	7.4	SR4	8/8/2019 15:31	28.76	81.2	5.41	6.5	SR4	8/8/2019 21:31	28.72	75.9	5.07	7.6
SR4	8/8/2019 3:36	28.18	64.6	4.34	8.0	SR4	8/8/2019 9:36	28.09	63.0	4.21	7.3	SR4	8/8/2019 15:36	28.76	78.9	5.25	6.4	SR4	8/8/2019 21:36	28.74	71.0	4.74	7.2
SR4	8/8/2019 3:41	28.19	65.4	4.39	7.7	SR4	8/8/2019 9:41	28.13	65.6	4.38	7.4	SR4	8/8/2019 15:41	28.79	83.7	5.57	6.2	SR4	8/8/2019 21:41	28.77	65.3	4.36	7.1
SR4	8/8/2019 3:46	28.20	63.6	4.28	7.8	SR4	8/8/2019 9:46	28.13	68.2	4.56	7.1	SR4	8/8/2019 15:46	28.81	81.9	5.45	6.6	SR4	8/8/2019 21:46	28.74	62.3	4.16	7.2
SR4	8/8/2019 3:51	28.19	62.9	4.23	7.8	SR4	8/8/2019 9:51	28.17	68.4	4.57	7.6	SR4	8/8/2019 15:51	28.89	83.0	5.52	6.8	SR4	8/8/2019 21:51	28.73	64.1	4.27	7.0
SR4	8/8/2019 3:56	28.20	64.4	4.32	7.8	SR4	8/8/2019 9:56	28.18	70.5	4.72	7.4	SR4	8/8/2019 15:56	28.83	80.9	5.39	6.3	SR4	8/8/2019 21:56	28.71	70.1	4.68	7.6
SR4	8/8/2019 4:01	2																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/8/2019 0:00	28.42	70.3	5.45	7.1	SR5	8/8/2019 6:00	27.88	72.8	5.56	6.4	SR5	8/8/2019 12:00	28.65	72.8	5.52	5.7	SR5	8/8/2019 18:00	29.08	73.4	5.58	4.0
SR5	8/8/2019 0:05	27.97	70.2	5.44	6.2	SR5	8/8/2019 6:05	27.88	71.9	5.46	5.5	SR5	8/8/2019 12:05	28.83	72.9	5.54	6.8	SR5	8/8/2019 18:05	29.07	73.2	5.56	4.5
SR5	8/8/2019 0:10	27.94	70.5	5.47	7.4	SR5	8/8/2019 6:10	27.91	72.3	5.51	4.7	SR5	8/8/2019 12:10	28.82	72.4	5.51	6.2	SR5	8/8/2019 18:10	29.20	73.3	5.58	4.6
SR5	8/8/2019 0:15	27.93	70.8	5.50	7.1	SR5	8/8/2019 6:15	27.89	72.3	5.51	4.7	SR5	8/8/2019 12:15	28.84	71.5	5.44	4.9	SR5	8/8/2019 18:15	29.15	73.4	5.59	4.0
SR5	8/8/2019 0:20	27.93	70.4	5.47	6.9	SR5	8/8/2019 6:20	27.93	72.2	5.51	5.1	SR5	8/8/2019 12:20	28.81	72.5	5.52	5.3	SR5	8/8/2019 18:20	29.17	73.0	5.54	5.2
SR5	8/8/2019 0:25	27.92	70.4	5.48	6.7	SR5	8/8/2019 6:25	27.93	72.1	5.52	7.3	SR5	8/8/2019 12:25	28.86	72.3	5.51	6.7	SR5	8/8/2019 18:25	29.21	73.3	5.58	5.1
SR5	8/8/2019 0:30	27.92	69.9	5.43	6.9	SR5	8/8/2019 6:30	27.97	72.7	5.56	6.7	SR5	8/8/2019 12:30	28.58	72.2	5.51	6.5	SR5	8/8/2019 18:30	29.22	73.2	5.58	5.7
SR5	8/8/2019 0:35	27.92	70.2	5.47	5.9	SR5	8/8/2019 6:35	27.99	72.6	5.52	5.1	SR5	8/8/2019 12:35	28.43	71.0	5.42	6.1	SR5	8/8/2019 18:35	29.22	73.1	5.57	5.9
SR5	8/8/2019 0:40	27.91	69.9	5.45	5.9	SR5	8/8/2019 6:40	28.06	72.8	5.52	5.2	SR5	8/8/2019 12:40	28.40	71.1	5.45	5.9	SR5	8/8/2019 18:40	29.35	73.2	5.56	5.4
SR5	8/8/2019 0:45	27.91	69.9	5.45	6.2	SR5	8/8/2019 6:45	28.05	73.0	5.53	5.5	SR5	8/8/2019 12:45	28.31	70.2	5.39	4.1	SR5	8/8/2019 18:45	29.35	73.2	5.56	4.4
SR5	8/8/2019 0:50	27.92	69.4	5.41	7.8	SR5	8/8/2019 6:50	28.04	73.8	5.60	7.4	SR5	8/8/2019 12:50	28.42	70.9	5.44	6.1	SR5	8/8/2019 18:50	29.34	72.8	5.53	6.1
SR5	8/8/2019 0:55	27.92	69.8	5.44	6.5	SR5	8/8/2019 6:55	28.04	73.8	5.60	5.1	SR5	8/8/2019 12:55	28.26	71.2	5.45	4.9	SR5	8/8/2019 18:55	29.37	72.9	5.53	5.7
SR5	8/8/2019 1:00	27.91	69.8	5.43	7.7	SR5	8/8/2019 7:00	28.08	74.2	5.64	4.4	SR5	8/8/2019 13:00	28.34	71.6	5.48	6.4	SR5	8/8/2019 19:00	29.45	72.4	5.50	4.9
SR5	8/8/2019 1:05	27.91	69.8	5.42	5.9	SR5	8/8/2019 7:05	28.06	74.0	5.60	5.8	SR5	8/8/2019 13:05	28.18	71.2	5.45	7.2	SR5	8/8/2019 19:05	29.44	72.5	5.52	6.2
SR5	8/8/2019 1:10	27.90	70.4	5.48	7.3	SR5	8/8/2019 7:10	28.06	74.0	5.57	5.4	SR5	8/8/2019 13:10	28.34	71.2	5.45	6.5	SR5	8/8/2019 19:10	29.48	72.5	5.51	4.7
SR5	8/8/2019 1:15	27.89	71.1	5.51	6.5	SR5	8/8/2019 7:15	28.13	73.9	5.58	6.7	SR5	8/8/2019 13:15	28.09	70.6	5.40	5.9	SR5	8/8/2019 19:15	29.46	72.3	5.50	4.6
SR5	8/8/2019 1:20	27.89	69.5	5.42	6.4	SR5	8/8/2019 7:20	28.10	73.7	5.54	5.4	SR5	8/8/2019 13:20	28.05	70.7	5.39	6.4	SR5	8/8/2019 19:20	29.46	72.6	5.51	5.3
SR5	8/8/2019 1:25	27.87	69.0	5.38	5.5	SR5	8/8/2019 7:25	28.14	74.2	5.61	4.8	SR5	8/8/2019 13:25	28.01	71.1	5.44	5.2	SR5	8/8/2019 19:25	29.48	73.3	5.55	4.5
SR5	8/8/2019 1:30	27.87	69.0	5.38	6.7	SR5	8/8/2019 7:30	28.14	74.0	5.58	4.1	SR5	8/8/2019 13:30	28.01	71.6	5.48	4.6	SR5	8/8/2019 19:30	29.46	73.5	5.56	4.8
SR5	8/8/2019 1:35	27.86	69.9	5.45	6.5	SR5	8/8/2019 7:35	28.18	74.4	5.60	4.5	SR5	8/8/2019 13:35	28.00	71.5	5.45	5.2	SR5	8/8/2019 19:35	29.55	73.8	5.60	5.3
SR5	8/8/2019 1:40	27.84	70.0	5.46	6.5	SR5	8/8/2019 7:40	28.17	74.8	5.62	5.5	SR5	8/8/2019 13:40	28.00	71.1	5.42	4.3	SR5	8/8/2019 19:40	29.57	73.3	5.56	5.2
SR5	8/8/2019 1:45	27.83	69.6	5.43	7.0	SR5	8/8/2019 7:45	28.17	73.2	5.54	5.5	SR5	8/8/2019 13:45	28.05	71.0	5.40	6.1	SR5	8/8/2019 19:45	29.57	73.1	5.54	3.9
SR5	8/8/2019 1:50	27.84	69.7	5.44	6.7	SR5	8/8/2019 7:50	28.19	73.5	5.55	5.6	SR5	8/8/2019 13:50	28.06	71.1	5.42	5.9	SR5	8/8/2019 19:50	29.59	73.3	5.56	3.8
SR5	8/8/2019 1:55	27.81	69.5	5.42	6.8	SR5	8/8/2019 7:55	28.18	74.9	5.65	6.2	SR5	8/8/2019 13:55	28.03	71.5	5.45	5.0	SR5	8/8/2019 19:55	29.60	73.2	5.55	3.5
SR5	8/8/2019 2:00	27.81	69.6	5.41	6.0	SR5	8/8/2019 8:00	28.19	74.4	5.61	6.1	SR5	8/8/2019 14:00	28.04	71.7	5.49	7.0	SR5	8/8/2019 20:00	29.66	73.2	5.56	5.2
SR5	8/8/2019 2:05	27.80	69.5	5.41	6.6	SR5	8/8/2019 8:05	28.20	74.1	5.59	5.4	SR5	8/8/2019 14:05	28.05	71.2	5.42	6.4	SR5	8/8/2019 20:05	29.55	73.1	5.56	6.4
SR5	8/8/2019 2:10	27.78	69.3	5.40	7.7	SR5	8/8/2019 8:10	28.21	73.9	5.57	5.2	SR5	8/8/2019 14:10	28.07	71.7	5.47	5.8	SR5	8/8/2019 20:10	29.60	73.4	5.58	3.7
SR5	8/8/2019 2:15	27.78	69.6	5.44	7.5	SR5	8/8/2019 8:15	28.24	74.1	5.58	4.3	SR5	8/8/2019 14:15	28.06	71.2	5.42	6.7	SR5	8/8/2019 20:15	29.59	72.8	5.54	5.3
SR5	8/8/2019 2:20	27.77	69.6	5.42	6.9	SR5	8/8/2019 8:20	28.22	73.2	5.53	6.9	SR5	8/8/2019 14:20	28.06	71.9	5.48	5.3	SR5	8/8/2019 20:20	29.59	73.0	5.56	4.9
SR5	8/8/2019 2:25	27.75	69.8	5.45	7.1	SR5	8/8/2019 8:25	28.21	72.9	5.54	5.2	SR5	8/8/2019 14:25	28.06	71.6	5.48	5.4	SR5	8/8/2019 20:25	29.57	72.6	5.53	4.8
SR5	8/8/2019 2:30	27.75	70.0	5.46	6.5	SR5	8/8/2019 8:30	28.22	72.4	5.50	6.2	SR5	8/8/2019 14:30	28.40	72.1	5.51	5.6	SR5	8/8/2019 20:30	29.54	72.8	5.54	6.1
SR5	8/8/2019 2:35	27.75	69.9	5.45	5.7	SR5	8/8/2019 8:35	28.28	72.5	5.52	6.4	SR5	8/8/2019 14:35	28.11	71.3	5.45	5.3	SR5	8/8/2019 20:35	29.55	71.8	5.48	5.9
SR5	8/8/2019 2:40	27.75	69.3	5.40	5.8	SR5	8/8/2019 8:40	28.34	72.1	5.49	6.2	SR5	8/8/2019 14:40	28.88	71.6	5.46	5.2	SR5	8/8/2019 20:40	29.55	72.1	5.51	3.8
SR5	8/8/2019 2:45	27.77	69.7	5.42	6.6	SR5	8/8/2019 8:45	28.40	73.1	5.56	5.3	SR5	8/8/2019 14:45	28.81	71.9	5.50	5.7	SR5	8/8/2019 20:45	29.53	71.8	5.49	3.8
SR5	8/8/2019 2:50	27.75	70.0	5.46	5.7	SR5	8/8/2019 8:50	28.33	72.7	5.50	6.0	SR5	8/8/2019 14:50	28.93	71.0	5.44	7.3	SR5	8/8/2019 20:50	29.66	72.3	5.52	5.4
SR5	8/8/2019 2:55	27.75	70.5	5.49	6.1	SR5	8/8/2019 8:55	28.33	73.4	5.56	4.5	SR5	8/8/2019 14:55	28.89	70.7	5.42	3.5	SR5	8/8/2019 20:55	29.61	72.7	5.54	3.6
SR5	8/8/2019 3:00	27.78	69.9	5.42	6.3	SR5	8/8/2019 9:00	28.34	73.1	5.53	5.4	SR5	8/8/2019 15:00	28.95	71.1	5.45	5.2	SR5	8/8/2019 21:00	29.60	73.2	5.57	5.3
SR5	8/8/2019 3:05	27.74	69.9	5.45	7.1	SR5	8/8/2019 9:05	28.38	70.9	5.47	4.8	SR5	8/8/2019 15:05	28.99	71.3	5.48	4.2	SR5	8/8/2019 21:05	29.59	73.2	5.57	3.9
SR5	8/8/2019 3:10	27.73	70.3	5.48	5.7	SR5	8/8/2019 9:10	28.37	73.9	5.56	4.2	SR5	8/8/2019 15:10	28.89	71.7	5.52	5.5	SR5	8/8/2019 21:10	29.56	73.1	5.56	4.1
SR5	8/8/2019 3:15	27.74	70.4	5.47	4.9	SR5	8/8/2019 9:15	28.36	72.7	5.51	4.9	SR5	8/8/2019 15:15	28.89	71.7	5.52	5.8	SR5	8/8/2019 21:15	29.62	73.1	5.56	5.3
SR5	8/8/2019 3:20	27.77	70.8	5.49	7.4	SR5	8/8/2019 9:20	28.46	71.8	5.45	6.0	SR5	8/8/2019 15:20	28.96	71.3	5.48	6.2	SR5	8/8/2019 21:20	29.53	73.3	5.57	5.3
SR5	8/8/2019 3:25	27.78	70.4	5.45	6.0	SR5	8/8/2019 9:25	28.44	69.6	5.39	4.8	SR5	8/8/2019 15:25	28.94	71.2	5.49	6.2	SR5	8/8/2019 21:25	29.59	73.2	5.57	6.6
SR5	8/8/2019 3:30	27.82	70.2	5.45	6.6	SR5	8/8/2019 9:30	28.44	71.6	5.45	5.7	SR5	8/8/2019 15:30	28.94	71.7	5.51	6.0	SR5	8/8/2019 21:30	29.61	73.2	5.56	3.7
SR5	8/8/2019 3:35	27.90	70.9	5.50	6.2	SR5	8/8/2019 9:35	28.56	71.5	5.44	5.4	SR5	8/8/2019 15:35	29.04	71.8	5.52	5.9	SR5	8/8/2019 21:35	29.59	73.2	5.57	2.9
SR5	8/8/2019 3:40	27.95	70.9	5.50	5.7	SR5						SR5	8/8/2019 15:40	29.03	71.3	5.48	5.5	SR5	8/8/2019 21:40	29.61	73.6	5.60	4.1
SR5	8/8/2019 3:45	27.99	70.9	5.50	6.8	SR5						SR5	8/8/2019 15:45	29.07	72.3	5.57	6.2	SR5	8/8/2019 21:45	29.60	73.1	5.55	6.1
SR5	8/8/2019 3:50	28.00	70.5	5.47	6.4	SR5						SR5	8/8/2019 15:50	29.09	71.9	5.54	6.4	SR5	8/8/2019 21:50	29.55	72.6	5.53	4.5
SR5	8/8/2019 3:55	27.99	70.8	5.50	5.6	SR5						SR5	8/8/2019 15:55	29.01	72.3	5.55	5.5	SR5	8/8/2019 21:55	29.55	73.3	5.57	5.4
SR5	8/8/2019 4:00	27.99	70.7	5.47	6.5	SR5	8/8/2019 10:00	28.56	70.5	5.38	6.4	SR5	8/8/2019 16:00	29.03	72.4								

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/8/2019 0:01	27.73	65.1	4.87	6.0	SR12	8/8/2019 6:01	27.97	65.7	4.92	6.1	SR12	8/8/2019 12:01	28.58	65.7	4.92	6.6	SR12	8/8/2019 18:01	28.67	65.7	4.92	7.7
SR12	8/8/2019 0:06	27.76	63.9	4.78	6.5	SR12	8/8/2019 6:06	27.93	67.6	5.06	7.3	SR12	8/8/2019 12:06	28.45	69.1	5.17	6.6	SR12	8/8/2019 18:06	28.67	62.1	4.65	6.3
SR12	8/8/2019 0:11	27.88	66.1	4.95	7.2	SR12	8/8/2019 6:11	27.97	64.1	4.80	6.3	SR12	8/8/2019 12:11	28.40	61.9	4.63	6.7	SR12	8/8/2019 18:11	28.36	66.3	4.96	7.2
SR12	8/8/2019 0:16	27.80	61.3	4.59	5.9	SR12	8/8/2019 6:16	27.96	61.5	4.60	5.8	SR12	8/8/2019 12:16	28.31	64.1	4.80	6.3	SR12	8/8/2019 18:16	28.65	64.5	4.63	7.7
SR12	8/8/2019 0:21	27.79	66.5	4.98	6.7	SR12	8/8/2019 6:21	27.97	64.1	4.80	6.3	SR12	8/8/2019 12:21	28.42	64.0	4.79	6.0	SR12	8/8/2019 18:21	28.42	67.5	5.05	7.2
SR12	8/8/2019 0:26	27.77	68.5	5.13	7.3	SR12	8/8/2019 6:26	27.95	65.1	4.87	6.0	SR12	8/8/2019 12:26	28.25	65.3	4.89	6.5	SR12	8/8/2019 18:26	28.50	68.1	5.10	6.8
SR12	8/8/2019 0:31	27.85	62.8	4.70	6.4	SR12	8/8/2019 6:31	27.94	62.0	4.64	7.3	SR12	8/8/2019 12:31	28.31	61.5	4.60	6.5	SR12	8/8/2019 18:31	28.39	64.3	4.81	5.6
SR12	8/8/2019 0:36	27.88	64.4	4.82	6.0	SR12	8/8/2019 6:36	27.94	68.1	5.10	7.1	SR12	8/8/2019 12:36	28.32	66.1	4.95	7.2	SR12	8/8/2019 18:36	28.38	67.6	5.06	6.3
SR12	8/8/2019 0:41	27.83	66.4	4.97	6.0	SR12	8/8/2019 6:41	27.80	63.7	4.77	6.6	SR12	8/8/2019 12:41	28.23	62.8	4.70	7.0	SR12	8/8/2019 18:41	28.51	65.7	4.92	7.1
SR12	8/8/2019 0:46	27.82	63.7	4.77	5.5	SR12	8/8/2019 6:46	27.86	65.2	4.88	6.4	SR12	8/8/2019 12:46	28.24	64.3	4.81	6.6	SR12	8/8/2019 18:46	28.60	64.4	4.82	7.0
SR12	8/8/2019 0:51	27.87	62.8	4.70	5.9	SR12	8/8/2019 6:51	27.82	68.1	5.10	6.6	SR12	8/8/2019 12:51	28.32	64.4	4.82	6.5	SR12	8/8/2019 18:51	28.45	65.9	4.93	6.8
SR12	8/8/2019 0:56	27.79	68.0	5.09	6.2	SR12	8/8/2019 6:56	27.84	61.5	4.60	8.3	SR12	8/8/2019 12:56	28.27	65.7	4.92	6.7	SR12	8/8/2019 18:56	28.28	69.3	5.19	6.5
SR12	8/8/2019 1:01	27.86	68.8	5.15	6.9	SR12	8/8/2019 7:01	27.85	63.3	4.74	6.4	SR12	8/8/2019 13:01	28.12	67.7	5.07	6.6	SR12	8/8/2019 19:01	28.44	67.5	5.05	6.0
SR12	8/8/2019 1:06	27.83	62.3	4.66	5.4	SR12	8/8/2019 7:06	27.77	62.5	4.68	5.9	SR12	8/8/2019 13:06	28.16	63.6	4.76	7.1	SR12	8/8/2019 19:06	28.43	68.3	5.11	6.3
SR12	8/8/2019 1:11	27.84	62.4	4.67	6.9	SR12	8/8/2019 7:11	27.83	65.1	4.87	7.6	SR12	8/8/2019 13:11	28.19	61.5	4.60	6.0	SR12	8/8/2019 19:11	28.55	67.1	5.02	7.1
SR12	8/8/2019 1:16	27.83	63.3	4.74	6.6	SR12	8/8/2019 7:16	27.86	68.1	5.10	5.5	SR12	8/8/2019 13:16	28.15	67.6	5.06	5.5	SR12	8/8/2019 19:16	28.58	63.7	4.77	6.8
SR12	8/8/2019 1:21	27.85	62.8	4.70	7.7	SR12	8/8/2019 7:21	27.82	64.0	4.79	6.6	SR12	8/8/2019 13:21	28.04	65.6	4.91	5.3	SR12	8/8/2019 19:21	28.49	64.5	4.83	5.7
SR12	8/8/2019 1:26	27.82	66.9	5.01	6.1	SR12	8/8/2019 7:26	27.80	63.6	4.76	6.3	SR12	8/8/2019 13:26	28.23	62.8	4.70	6.3	SR12	8/8/2019 19:26	28.49	63.3	4.74	7.0
SR12	8/8/2019 1:31	27.83	62.0	4.64	5.3	SR12	8/8/2019 7:31	27.86	67.3	5.04	7.6	SR12	8/8/2019 13:31	28.07	65.7	4.92	6.3	SR12	8/8/2019 19:31	28.53	66.3	4.96	7.1
SR12	8/8/2019 1:36	27.83	64.1	4.80	6.8	SR12	8/8/2019 7:36	27.85	66.5	4.98	5.5	SR12	8/8/2019 13:36	28.14	64.1	4.80	5.1	SR12	8/8/2019 19:36	28.54	66.5	4.98	5.6
SR12	8/8/2019 1:41	27.79	64.3	4.81	6.1	SR12	8/8/2019 7:41	27.79	63.6	4.76	6.6	SR12	8/8/2019 13:41	28.00	64.5	4.83	5.6	SR12	8/8/2019 19:41	28.53	62.5	4.68	7.4
SR12	8/8/2019 1:46	27.76	69.3	5.19	6.5	SR12	8/8/2019 7:46	27.83	63.7	4.77	7.3	SR12	8/8/2019 13:46	28.07	62.0	4.64	6.8	SR12	8/8/2019 19:46	28.54	68.0	5.09	7.1
SR12	8/8/2019 1:51	27.75	67.9	5.08	5.4	SR12	8/8/2019 7:51	27.85	68.7	5.14	7.8	SR12	8/8/2019 13:51	28.12	64.5	4.83	6.3	SR12	8/8/2019 19:51	28.23	66.5	4.98	7.0
SR12	8/8/2019 1:56	27.75	67.6	5.06	6.8	SR12	8/8/2019 7:56	27.82	63.6	4.76	6.2	SR12	8/8/2019 13:56	28.06	63.1	4.72	5.1	SR12	8/8/2019 19:56	28.27	66.1	4.95	7.4
SR12	8/8/2019 2:01	27.73	62.1	4.65	5.5	SR12	8/8/2019 8:01	27.83	68.4	5.12	7.4	SR12	8/8/2019 14:01	28.16	64.5	4.83	5.2	SR12	8/8/2019 20:01	28.39	62.5	4.68	6.9
SR12	8/8/2019 2:06	27.72	66.8	5.00	7.6	SR12	8/8/2019 8:06	27.85	65.9	4.93	5.7	SR12	8/8/2019 14:06	28.11	65.6	4.91	6.6	SR12	8/8/2019 20:06	28.42	66.3	4.96	6.1
SR12	8/8/2019 2:11	27.75	63.7	4.77	6.9	SR12	8/8/2019 8:11	27.88	69.1	5.17	5.9	SR12	8/8/2019 14:11	28.04	69.3	5.19	7.4	SR12	8/8/2019 20:11	28.43	66.3	4.96	7.4
SR12	8/8/2019 2:16	27.75	64.4	4.82	6.6	SR12	8/8/2019 8:16	27.83	68.1	5.10	7.5	SR12	8/8/2019 14:16	28.01	67.2	5.03	6.6	SR12	8/8/2019 20:16	28.41	65.9	4.93	7.0
SR12	8/8/2019 2:21	27.73	65.5	4.90	5.5	SR12	8/8/2019 8:21	27.83	62.3	4.66	7.0	SR12	8/8/2019 14:21	28.15	64.9	4.86	6.2	SR12	8/8/2019 20:21	28.35	65.6	4.91	7.0
SR12	8/8/2019 2:26	27.73	68.3	5.11	6.5	SR12	8/8/2019 8:26	27.85	66.1	4.95	7.2	SR12	8/8/2019 14:26	27.92	62.4	4.67	7.0	SR12	8/8/2019 20:26	28.53	64.4	4.82	6.1
SR12	8/8/2019 2:31	27.74	63.3	4.74	7.1	SR12	8/8/2019 8:31	27.85	68.9	5.16	6.9	SR12	8/8/2019 14:31	28.04	63.5	4.75	7.0	SR12	8/8/2019 20:31	28.50	68.8	5.15	7.3
SR12	8/8/2019 2:36	27.74	68.9	5.16	6.9	SR12	8/8/2019 8:36	27.90	66.3	4.96	5.9	SR12	8/8/2019 14:36	28.10	68.4	5.12	6.3	SR12	8/8/2019 20:36	28.49	68.9	5.16	5.9
SR12	8/8/2019 2:41	27.75	66.9	5.01	7.0	SR12	8/8/2019 8:41	27.89	66.9	5.01	5.7	SR12	8/8/2019 14:41	28.13	64.7	4.84	5.9	SR12	8/8/2019 20:41	28.47	66.8	5.00	7.7
SR12	8/8/2019 2:46	27.72	65.9	4.93	6.5	SR12	8/8/2019 8:46	27.90	67.5	5.05	7.0	SR12	8/8/2019 14:46	28.08	65.7	4.92	7.0	SR12	8/8/2019 20:46	28.46	61.5	4.60	8.3
SR12	8/8/2019 2:51	27.73	64.4	4.82	4.9	SR12	8/8/2019 8:51	27.91	64.4	4.82	5.6	SR12	8/8/2019 14:51	28.51	62.8	4.70	6.7	SR12	8/8/2019 20:51	28.44	65.5	4.90	7.3
SR12	8/8/2019 2:56	27.75	67.3	5.04	7.3	SR12	8/8/2019 8:56	27.92	69.2	5.18	6.8	SR12	8/8/2019 14:56	28.22	65.6	4.91	5.4	SR12	8/8/2019 20:56	28.42	69.5	5.20	8.4
SR12	8/8/2019 3:01	27.83	67.9	5.08	7.4	SR12	8/8/2019 9:01	27.90	61.5	4.60	7.3	SR12	8/8/2019 15:01	28.66	62.1	4.65	5.8	SR12	8/8/2019 21:01	28.45	64.4	4.82	7.7
SR12	8/8/2019 3:06	27.82	68.0	5.09	6.2	SR12	8/8/2019 9:06	27.91	62.4	4.67	5.6	SR12	8/8/2019 15:06	28.65	67.5	5.05	5.6	SR12	8/8/2019 21:06	28.43	61.6	4.61	6.0
SR12	8/8/2019 3:11	27.95	66.3	4.96	6.7	SR12	8/8/2019 9:11	27.89	68.3	5.11	6.6	SR12	8/8/2019 15:11	28.93	70.1	4.77	6.1	SR12	8/8/2019 21:11	28.43	69.1	5.17	7.6
SR12	8/8/2019 3:16	28.03	69.6	5.21	5.4	SR12	8/8/2019 9:16	27.96	66.0	4.94	6.8	SR12	8/8/2019 15:16	28.84	68.7	4.68	5.3	SR12	8/8/2019 21:16	28.42	62.7	4.69	6.2
SR12	8/8/2019 3:21	28.03	64.4	4.82	6.1	SR12	8/8/2019 9:21	27.91	68.5	5.13	6.5	SR12	8/8/2019 15:21	28.86	67.9	4.63	6.0	SR12	8/8/2019 21:21	28.41	61.3	4.59	6.2
SR12	8/8/2019 3:26	28.08	69.1	5.17	7.1	SR12	8/8/2019 9:26	27.90	62.4	4.67	5.9	SR12	8/8/2019 15:26	28.83	68.1	4.64	6.5	SR12	8/8/2019 21:26	28.45	65.2	4.88	6.8
SR12	8/8/2019 3:31	28.09	65.3	4.89	6.2	SR12	8/8/2019 9:31	27.89	64.8	4.85	6.0	SR12	8/8/2019 15:31	28.68	69.2	5.18	6.5	SR12	8/8/2019 21:31	28.50	62.0	4.64	7.4
SR12	8/8/2019 3:36	28.07	62.1	4.65	5.8	SR12	8/8/2019 9:36	27.90	67.6	5.06	6.7	SR12	8/8/2019 15:36	28.49	61.6	4.61	7.0	SR12	8/8/2019 21:36	28.48	64.4	4.82	8.1
SR12	8/8/2019 3:41	28.09	64.9	4.86	7.3	SR12	8/8/2019 9:41	27.91	66.7	4.99	5.5	SR12	8/8/2019 15:41	28.67	61.5	4.60	6.6	SR12	8/8/2019 21:41	28.49	63.7	4.77	7.0
SR12	8/8/2019 3:46	28.09	65.2	4.88	6.0	SR12	8/8/2019 9:46	27.94	69.5	5.20	7.7	SR12	8/8/2019 15:46	28.53	64.3	4.81	7.5	SR12	8/8/2019 21:46	28.48	66.9	5.01	6.9
SR12	8/8/2019 3:51	28.09	63.2	4.73	4.8	SR12	8/8/2019 9:51	27.95	64.8	4.85	6.1	SR12	8/8/2019 15:51	28.61	68.1	5.10	5.9	SR12	8/8/2019 21:51	28.48	64.5	4.83	7.1
SR12	8/8/2019 3:56	28.01	66.4	4.97	5.8	SR12	8/8/2019 9:56	27															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/8/2019 0:00	28.58	69.9	5.30	7.0	SR13	8/8/2019 6:00	28.28	68.5	5.19	6.4	SR13	8/8/2019 12:00	28.69	72.4	5.44	5.7	SR13	8/8/2019 18:00	29.10	70.6	5.31	5.0
SR13	8/8/2019 0:05	28.41	71.5	5.41	6.0	SR13	8/8/2019 6:05	28.27	67.9	5.13	6.3	SR13	8/8/2019 12:05	28.82	71.1	5.35	6.2	SR13	8/8/2019 18:05	29.09	69.8	5.25	5.8
SR13	8/8/2019 0:10	28.42	70.0	5.30	6.5	SR13	8/8/2019 6:10	28.31	69.4	5.26	6.0	SR13	8/8/2019 12:10	28.76	72.1	5.43	6.3	SR13	8/8/2019 18:10	29.15	71.6	5.38	6.0
SR13	8/8/2019 0:15	28.42	71.3	5.41	7.0	SR13	8/8/2019 6:15	28.30	69.1	5.24	5.1	SR13	8/8/2019 12:15	28.78	71.0	5.35	5.5	SR13	8/8/2019 18:15	29.13	71.2	5.36	5.2
SR13	8/8/2019 0:20	28.41	71.4	5.41	5.8	SR13	8/8/2019 6:20	28.28	67.9	5.15	6.1	SR13	8/8/2019 12:20	28.69	71.4	5.38	5.8	SR13	8/8/2019 18:20	29.13	69.5	5.22	6.6
SR13	8/8/2019 0:25	28.39	73.8	5.59	6.1	SR13	8/8/2019 6:25	28.30	68.0	5.16	7.0	SR13	8/8/2019 12:25	28.67	70.4	5.31	6.9	SR13	8/8/2019 18:25	29.15	71.8	5.40	6.3
SR13	8/8/2019 0:30	28.39	73.2	5.54	6.1	SR13	8/8/2019 6:30	28.32	70.3	5.31	7.1	SR13	8/8/2019 12:30	28.66	71.4	5.39	6.5	SR13	8/8/2019 18:30	29.05	71.4	5.38	6.5
SR13	8/8/2019 0:35	28.39	73.2	5.55	6.4	SR13	8/8/2019 6:35	28.31	68.2	5.16	5.8	SR13	8/8/2019 12:35	28.58	70.4	5.31	5.9	SR13	8/8/2019 18:35	29.07	71.0	5.34	6.8
SR13	8/8/2019 0:40	28.38	70.6	5.35	5.8	SR13	8/8/2019 6:40	28.34	70.3	5.31	6.4	SR13	8/8/2019 12:40	28.61	71.1	5.37	5.7	SR13	8/8/2019 18:40	29.17	69.3	5.21	6.5
SR13	8/8/2019 0:45	28.37	72.3	5.49	6.9	SR13	8/8/2019 6:45	28.35	69.2	5.23	5.7	SR13	8/8/2019 12:45	28.56	71.2	5.38	5.6	SR13	8/8/2019 18:45	29.18	70.8	5.32	5.7
SR13	8/8/2019 0:50	28.39	70.9	5.38	6.7	SR13	8/8/2019 6:50	28.36	70.9	5.36	6.7	SR13	8/8/2019 12:50	28.59	73.3	5.54	6.8	SR13	8/8/2019 18:50	29.18	70.7	5.31	6.8
SR13	8/8/2019 0:55	28.39	71.4	5.41	6.3	SR13	8/8/2019 6:55	28.33	70.4	5.32	6.1	SR13	8/8/2019 12:55	28.52	72.7	5.49	6.0	SR13	8/8/2019 18:55	29.21	71.2	5.35	6.3
SR13	8/8/2019 1:00	28.37	71.8	5.44	6.3	SR13	8/8/2019 7:00	28.35	68.3	5.17	6.1	SR13	8/8/2019 13:00	28.60	72.0	5.43	6.5	SR13	8/8/2019 19:00	29.22	71.0	5.33	6.3
SR13	8/8/2019 1:05	28.37	72.9	5.52	6.1	SR13	8/8/2019 7:05	28.35	69.7	5.26	6.5	SR13	8/8/2019 13:05	28.45	70.8	5.35	7.1	SR13	8/8/2019 19:05	29.28	70.1	5.27	6.1
SR13	8/8/2019 1:10	28.38	71.0	5.39	6.7	SR13	8/8/2019 7:10	28.35	70.8	5.33	6.0	SR13	8/8/2019 13:10	28.56	71.5	5.40	6.8	SR13	8/8/2019 19:10	29.27	71.6	5.38	6.5
SR13	8/8/2019 1:15	28.37	73.6	5.57	6.3	SR13	8/8/2019 7:15	28.40	69.8	5.26	6.0	SR13	8/8/2019 13:15	28.51	73.4	5.54	6.3	SR13	8/8/2019 19:15	29.25	71.3	5.36	5.9
SR13	8/8/2019 1:20	28.37	72.1	5.47	6.7	SR13	8/8/2019 7:20	28.38	69.9	5.27	5.8	SR13	8/8/2019 13:20	28.52	72.1	5.43	6.3	SR13	8/8/2019 19:20	29.24	70.6	5.30	6.0
SR13	8/8/2019 1:25	28.35	71.4	5.42	5.5	SR13	8/8/2019 7:25	28.40	70.3	5.31	5.6	SR13	8/8/2019 13:25	28.49	72.7	5.48	6.2	SR13	8/8/2019 19:25	29.26	69.2	5.19	6.6
SR13	8/8/2019 1:30	28.35	70.8	5.37	5.5	SR13	8/8/2019 7:30	28.40	69.0	5.21	5.1	SR13	8/8/2019 13:30	28.67	71.9	5.42	5.7	SR13	8/8/2019 19:30	29.24	71.0	5.32	6.5
SR13	8/8/2019 1:35	28.36	72.3	5.49	6.5	SR13	8/8/2019 7:35	28.42	70.7	5.31	5.6	SR13	8/8/2019 13:35	28.57	73.4	5.52	5.8	SR13	8/8/2019 19:35	29.27	72.4	5.44	6.6
SR13	8/8/2019 1:40	28.38	73.0	5.53	6.8	SR13	8/8/2019 7:40	28.40	68.4	5.13	6.2	SR13	8/8/2019 13:40	28.75	71.7	5.40	5.6	SR13	8/8/2019 19:40	29.29	70.2	5.27	6.6
SR13	8/8/2019 1:45	28.37	72.2	5.48	6.1	SR13	8/8/2019 7:45	28.41	68.3	5.14	5.8	SR13	8/8/2019 13:45	28.78	74.1	5.57	5.9	SR13	8/8/2019 19:45	29.28	69.1	5.19	5.2
SR13	8/8/2019 1:50	28.42	71.6	5.43	6.5	SR13	8/8/2019 7:50	28.42	71.4	5.37	5.9	SR13	8/8/2019 13:50	28.90	75.3	5.47	6.2	SR13	8/8/2019 19:50	29.30	72.1	5.41	5.8
SR13	8/8/2019 1:55	28.44	72.7	5.51	5.8	SR13	8/8/2019 7:55	28.45	71.3	5.36	6.2	SR13	8/8/2019 13:55	28.86	74.9	5.45	5.7	SR13	8/8/2019 19:55	29.30	69.7	5.23	5.2
SR13	8/8/2019 2:00	28.44	70.5	5.34	6.1	SR13	8/8/2019 8:00	28.43	72.2	5.43	6.0	SR13	8/8/2019 14:00	28.87	74.5	5.43	6.5	SR13	8/8/2019 20:00	29.28	69.0	5.18	5.7
SR13	8/8/2019 2:05	28.45	72.1	5.47	6.6	SR13	8/8/2019 8:05	28.43	69.7	5.24	5.5	SR13	8/8/2019 14:05	28.86	74.2	5.40	6.4	SR13	8/8/2019 20:05	29.29	70.3	5.28	6.4
SR13	8/8/2019 2:10	28.44	70.5	5.35	6.6	SR13	8/8/2019 8:10	28.42	70.7	5.31	5.4	SR13	8/8/2019 14:10	28.80	74.7	5.62	6.0	SR13	8/8/2019 20:10	29.33	69.1	5.19	5.8
SR13	8/8/2019 2:15	28.42	68.3	5.19	6.2	SR13	8/8/2019 8:15	28.43	71.8	5.39	6.0	SR13	8/8/2019 14:15	28.72	71.3	5.36	6.8	SR13	8/8/2019 20:15	29.32	69.9	5.25	6.2
SR13	8/8/2019 2:20	28.42	69.0	5.24	6.4	SR13	8/8/2019 8:20	28.43	71.0	5.34	6.3	SR13	8/8/2019 14:20	28.74	70.4	5.30	6.1	SR13	8/8/2019 20:20	29.32	69.8	5.25	6.4
SR13	8/8/2019 2:25	28.42	69.2	5.25	5.9	SR13	8/8/2019 8:25	28.44	72.2	5.44	6.1	SR13	8/8/2019 14:25	28.68	71.1	5.36	6.7	SR13	8/8/2019 20:25	29.31	70.9	5.33	6.0
SR13	8/8/2019 2:30	28.42	68.5	5.21	5.5	SR13	8/8/2019 8:30	28.47	70.3	5.30	6.2	SR13	8/8/2019 14:30	28.81	71.8	5.42	6.1	SR13	8/8/2019 20:30	29.30	70.2	5.27	6.4
SR13	8/8/2019 2:35	28.39	69.5	5.28	5.4	SR13	8/8/2019 8:35	28.50	71.7	5.40	6.0	SR13	8/8/2019 14:35	28.72	70.1	5.29	5.8	SR13	8/8/2019 20:35	29.31	69.9	5.26	6.0
SR13	8/8/2019 2:40	28.41	70.9	5.38	6.3	SR13	8/8/2019 8:40	28.54	69.3	5.22	5.8	SR13	8/8/2019 14:40	29.03	71.4	5.38	6.3	SR13	8/8/2019 20:40	29.29	71.3	5.36	5.6
SR13	8/8/2019 2:45	28.42	69.4	5.26	6.0	SR13	8/8/2019 8:45	28.56	70.1	5.28	6.4	SR13	8/8/2019 14:45	29.01	72.0	5.43	6.4	SR13	8/8/2019 20:45	29.29	68.9	5.19	5.6
SR13	8/8/2019 2:50	28.41	71.1	5.40	5.9	SR13	8/8/2019 8:50	28.53	68.9	5.18	6.8	SR13	8/8/2019 14:50	29.03	70.9	5.35	6.7	SR13	8/8/2019 20:50	29.30	70.6	5.31	6.5
SR13	8/8/2019 2:55	28.41	69.2	5.25	6.7	SR13	8/8/2019 8:55	28.52	70.0	5.27	6.0	SR13	8/8/2019 14:55	29.05	71.0	5.36	5.5	SR13	8/8/2019 20:55	29.31	69.6	5.23	5.9
SR13	8/8/2019 3:00	28.40	69.5	5.27	5.2	SR13	8/8/2019 9:00	28.50	69.8	5.25	5.5	SR13	8/8/2019 15:00	29.09	71.1	5.37	6.0	SR13	8/8/2019 21:00	29.32	71.3	5.36	6.3
SR13	8/8/2019 3:05	28.40	68.1	5.18	6.4	SR13	8/8/2019 9:05	28.59	69.6	5.27	5.5	SR13	8/8/2019 15:05	29.12	71.8	5.25	5.7	SR13	8/8/2019 21:05	29.31	71.5	5.38	6.1
SR13	8/8/2019 3:10	28.38	70.4	5.35	5.6	SR13	8/8/2019 9:10	28.61	72.7	5.45	5.8	SR13	8/8/2019 15:10	29.07	72.2	5.46	6.3	SR13	8/8/2019 21:10	29.31	71.4	5.36	5.3
SR13	8/8/2019 3:15	28.37	69.4	5.27	6.5	SR13	8/8/2019 9:15	28.62	72.9	5.48	6.1	SR13	8/8/2019 15:15	29.07	70.9	5.36	7.0	SR13	8/8/2019 21:15	29.32	72.5	5.45	5.9
SR13	8/8/2019 3:20	28.35	68.0	5.15	6.3	SR13	8/8/2019 9:20	28.70	70.8	5.32	6.4	SR13	8/8/2019 15:20	29.13	68.6	5.19	5.9	SR13	8/8/2019 21:20	29.32	71.5	5.37	6.2
SR13	8/8/2019 3:25	28.40	67.4	5.11	5.7	SR13	8/8/2019 9:25	28.68	69.2	5.25	5.8	SR13	8/8/2019 15:25	29.10	70.9	5.37	6.7	SR13	8/8/2019 21:25	29.31	71.6	5.39	6.9
SR13	8/8/2019 3:30	28.41	68.7	5.21	6.4	SR13	8/8/2019 9:30	28.73	72.4	5.45	6.0	SR13	8/8/2019 15:30	29.11	71.3	5.38	6.3	SR13	8/8/2019 21:30	29.32	71.1	5.34	5.7
SR13	8/8/2019 3:35	28.43	68.8	5.22	5.8	SR13	8/8/2019 9:35	28.76	72.4	5.45	6.0	SR13	8/8/2019 15:35	29.08	70.4	5.32	6.1	SR13	8/8/2019 21:35	29.31	70.7	5.31	5.2
SR13	8/8/2019 3:40	28.45	69.5	5.27	6.4	SR13	8/8/2019 9:40	28.75	71.0	5.35	6.4	SR13	8/8/2019 15:40	29.11	70.8	5.35	6.6	SR13	8/8/2019 21:40	29.31	71.7	5.39	6.0
SR13	8/8/2019 3:45	28.47	70.2	5.32	6.1	SR13	8/8/2019 9:45	28.73	69.2	5.22	6.7	SR13	8/8/2019 15:45	29.03	70.4	5.32	6.4	SR13	8/8/2019 21:45	29.31	70.1	5.27	6.3
SR13	8/8/2019 3:50	28.45	67.8	5.14	6.8	SR13	8/8/2019 9:50	28.73	70.3	5.30	6.1	SR13	8/8/2019 15:50	29.15	68.3	5.17	5.8	SR13	8/8/2019 21:50	29.28	70.2	5.28	6.1
SR13	8/8/2019 3:55	28.45	69.1	5.25	6.5	SR13	8/8/2019 9:55	28															

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/8/2019 0:17	0.12				SR12	8/8/2019 0:17	0.15			
SR4	8/8/2019 0:37	0.11				SR12	8/8/2019 0:37	0.15			
SR4	8/8/2019 0:57	0.11				SR12	8/8/2019 0:57	0.15			
SR4	8/8/2019 1:17	0.11				SR12	8/8/2019 1:17	0.13			
SR4	8/8/2019 1:37	0.12				SR12	8/8/2019 1:37	0.13			
SR4	8/8/2019 1:57	0.12				SR12	8/8/2019 1:57	0.11			
SR4	8/8/2019 2:17	0.10				SR12	8/8/2019 2:17	0.13			
SR4	8/8/2019 2:37	0.11				SR12	8/8/2019 2:37	0.11			
SR4	8/8/2019 2:57	0.11				SR12	8/8/2019 2:57	0.12			
SR4	8/8/2019 3:17	0.10				SR12	8/8/2019 3:17	0.13			
SR4	8/8/2019 3:37	0.10				SR12	8/8/2019 3:37	0.13			
SR4	8/8/2019 3:57	0.10				SR12	8/8/2019 3:57	0.13			
SR4	8/8/2019 4:17	0.11				SR12	8/8/2019 4:17	0.12			
SR4	8/8/2019 4:37	0.10				SR12	8/8/2019 4:37	0.12			
SR4	8/8/2019 4:57	0.09				SR12	8/8/2019 4:57	0.11			
SR4	8/8/2019 5:17	0.09				SR12	8/8/2019 5:17	0.11			
SR4	8/8/2019 5:37	0.11				SR12	8/8/2019 5:37	0.10			
SR4	8/8/2019 5:57	0.10				SR12	8/8/2019 5:57	0.09			
SR4						SR12					
SR4	8/8/2019 6:37	0.09				SR12	8/8/2019 6:37	0.09			
SR4	8/8/2019 6:57	0.10				SR12	8/8/2019 6:57	0.08			
SR4	8/8/2019 7:17	0.09				SR12	8/8/2019 7:17	0.10			
SR4	8/8/2019 7:37	0.10				SR12	8/8/2019 7:37	0.09			
SR4	8/8/2019 7:57	0.10				SR12	8/8/2019 7:57	0.09			
SR4	8/8/2019 8:17	0.08				SR12	8/8/2019 8:17	0.08			
SR4	8/8/2019 8:37	0.08				SR12	8/8/2019 8:37	0.07			
SR4	8/8/2019 8:57	0.08				SR12	8/8/2019 8:57	0.07			
SR4	8/8/2019 9:17	0.06				SR12	8/8/2019 9:17	0.08			
SR4	8/8/2019 9:37	0.08				SR12	8/8/2019 9:37	0.07			
SR4	8/8/2019 9:57	0.06				SR12	8/8/2019 9:57	0.08			
SR4	8/8/2019 10:17	0.06				SR12	8/8/2019 10:17	0.08			
SR4	8/8/2019 10:37	0.06				SR12	8/8/2019 10:37	0.07			
SR4	8/8/2019 10:57	0.05				SR12	8/8/2019 10:57	0.08			
SR4	8/8/2019 11:17	0.06				SR12	8/8/2019 11:17	0.08			
SR4	8/8/2019 11:37	0.07				SR12	8/8/2019 11:37	0.07			
SR4	8/8/2019 11:57	0.07				SR12	8/8/2019 11:57	0.08			
SR4	8/8/2019 12:17	0.08				SR12	8/8/2019 12:17	0.07			
SR4	8/8/2019 12:37	0.08				SR12	8/8/2019 12:37	0.07			
SR4	8/8/2019 12:57	0.07				SR12	8/8/2019 12:57	0.07			
SR4	8/8/2019 13:17	0.08				SR12	8/8/2019 13:17	0.07			
SR4	8/8/2019 13:37	0.07				SR12	8/8/2019 13:37	0.08			
SR4	8/8/2019 13:57	0.08				SR12	8/8/2019 13:57	0.07			
SR4	8/8/2019 14:17	0.07				SR12	8/8/2019 14:17	0.07			
SR4	8/8/2019 14:37	0.08				SR12	8/8/2019 14:37	0.07			
SR4	8/8/2019 14:57	0.08				SR12	8/8/2019 14:57	0.09			
SR4	8/8/2019 15:17	0.08				SR12	8/8/2019 15:17	0.08			
SR4	8/8/2019 15:37	0.08				SR12	8/8/2019 15:37	0.08			
SR4	8/8/2019 15:57	0.08				SR12	8/8/2019 15:57	0.08			
SR4	8/8/2019 16:17	0.08				SR12	8/8/2019 16:17	0.09			
SR4	8/8/2019 16:37	0.08				SR12	8/8/2019 16:37	0.09			
SR4	8/8/2019 16:57	0.08				SR12	8/8/2019 16:57	0.09			
SR4	8/8/2019 17:17	0.09				SR12	8/8/2019 17:17	0.08			
SR4	8/8/2019 17:37	0.09				SR12	8/8/2019 17:37	0.09			
SR4	8/8/2019 17:57	0.09				SR12	8/8/2019 17:57	0.08			
SR4	8/8/2019 18:17	0.09				SR12	8/8/2019 18:17	0.10			
SR4	8/8/2019 18:37	0.10				SR12	8/8/2019 18:37	0.10			
SR4	8/8/2019 18:57	0.10				SR12	8/8/2019 18:57	0.09			
SR4	8/8/2019 19:17	0.10				SR12	8/8/2019 19:17	0.09			
SR4	8/8/2019 19:37	0.09				SR12	8/8/2019 19:37	0.09			
SR4	8/8/2019 19:57	0.10				SR12	8/8/2019 19:57	0.09			
SR4	8/8/2019 20:17	0.10				SR12	8/8/2019 20:17	0.10			
SR4	8/8/2019 20:37	0.09				SR12	8/8/2019 20:37	0.09			
SR4	8/8/2019 20:57	0.09				SR12	8/8/2019 20:57	0.10			
SR4	8/8/2019 21:17	0.10				SR12	8/8/2019 21:17	0.10			
SR4	8/8/2019 21:37	0.10				SR12	8/8/2019 21:37	0.10			
SR4	8/8/2019 21:57	0.10				SR12	8/8/2019 21:57	0.09			
SR4	8/8/2019 22:17	0.09				SR12	8/8/2019 22:17	0.10			
SR4	8/8/2019 22:37	0.09				SR12	8/8/2019 22:37	0.10			
SR4	8/8/2019 22:57	0.09				SR12	8/8/2019 22:57	0.09			
SR4	8/8/2019 23:17	0.09				SR12	8/8/2019 23:17	0.10			
SR4	8/8/2019 23:37	0.09				SR12	8/8/2019 23:37	0.09			
SR4	8/8/2019 23:57	0.10				SR12	8/8/2019 23:57	0.09			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
SR5 monitoring station was under maintenance during 9:35-10:00.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/9/2019 0:01	28.70	70.3	4.71	9.0	SR4	8/9/2019 6:01	28.55	62.3	4.19	9.0	SR4	8/9/2019 12:01	29.05	89.0	5.98	8.6	SR4	8/9/2019 18:01	29.18	91.5	6.14	5.2
SR4	8/9/2019 0:06	28.70	75.8	5.08	9.0	SR4	8/9/2019 6:06	28.55	63.8	4.29	8.7	SR4	8/9/2019 12:06	29.07	89.8	6.03	9.0	SR4	8/9/2019 18:06	29.26	88.6	5.95	5.2
SR4	8/9/2019 0:11	28.70	73.2	4.91	8.7	SR4	8/9/2019 6:11	28.53	62.0	4.16	8.7	SR4	8/9/2019 12:11	29.04	90.2	6.05	9.1	SR4	8/9/2019 18:11	29.34	94.7	6.35	9.2
SR4	8/9/2019 0:16	28.68	68.6	4.60	8.2	SR4	8/9/2019 6:16	28.53	62.2	4.19	9.0	SR4	8/9/2019 12:16	29.19	91.3	6.12	9.0	SR4	8/9/2019 18:16	29.47	94.1	6.30	9.8
SR4	8/9/2019 0:21	28.68	68.9	4.62	8.7	SR4	8/9/2019 6:21	28.53	62.3	4.18	9.0	SR4	8/9/2019 12:21	29.13	90.9	6.10	9.0	SR4	8/9/2019 18:21	29.43	91.0	6.09	9.8
SR4	8/9/2019 0:26	28.71	74.7	5.01	7.8	SR4	8/9/2019 6:26	28.53	60.3	4.05	8.9	SR4	8/9/2019 12:26	29.07	87.5	5.88	8.9	SR4	8/9/2019 18:26	29.42	93.6	6.27	9.4
SR4	8/9/2019 0:31	28.71	75.2	5.04	8.6	SR4	8/9/2019 6:31	28.53	60.0	4.03	9.1	SR4	8/9/2019 12:31	29.30	87.1	5.83	9.0	SR4	8/9/2019 18:31	29.51	91.4	6.12	9.1
SR4	8/9/2019 0:36	28.57	72.9	4.88	9.2	SR4	8/9/2019 6:36	28.54	62.0	4.16	9.0	SR4	8/9/2019 12:36	29.26	86.6	5.80	8.8	SR4	8/9/2019 18:36	29.41	92.6	6.20	9.7
SR4	8/9/2019 0:41	28.57	73.9	4.94	8.6	SR4	8/9/2019 6:41	28.54	62.4	4.19	8.7	SR4	8/9/2019 12:41	29.16	86.0	5.78	9.3	SR4	8/9/2019 18:41	29.45	96.5	6.46	8.5
SR4	8/9/2019 0:46	28.53	71.7	4.79	8.5	SR4	8/9/2019 6:46	28.57	65.5	4.39	9.3	SR4	8/9/2019 12:46	29.31	85.8	5.75	8.8	SR4	8/9/2019 18:46	29.44	90.4	6.05	8.6
SR4	8/9/2019 0:51	28.11	66.1	4.40	8.8	SR4	8/9/2019 6:51	28.58	65.0	4.36	8.8	SR4	8/9/2019 12:51	29.40	81.5	5.46	9.0	SR4	8/9/2019 18:51	29.41	88.0	5.90	8.6
SR4	8/9/2019 0:56	28.32	66.8	4.45	8.7	SR4	8/9/2019 6:56	28.56	60.9	4.09	8.9	SR4	8/9/2019 12:56	29.45	77.8	5.21	8.9	SR4	8/9/2019 18:56	29.61	95.6	6.40	8.2
SR4	8/9/2019 1:01	28.57	64.7	4.33	8.2	SR4	8/9/2019 7:01	28.50	57.7	3.88	9.4	SR4	8/9/2019 13:01	29.44	79.5	5.33	9.1	SR4	8/9/2019 19:01	29.35	90.8	6.09	8.3
SR4	8/9/2019 1:06	28.54	62.9	4.21	8.4	SR4	8/9/2019 7:06	28.48	56.6	3.81	9.0	SR4	8/9/2019 13:06	29.30	80.7	5.41	8.9	SR4	8/9/2019 19:06	29.44	95.6	6.41	8.7
SR4	8/9/2019 1:11	28.53	64.3	4.32	8.4	SR4	8/9/2019 7:11	28.49	58.9	3.95	9.0	SR4	8/9/2019 13:11	29.54	83.2	5.58	8.7	SR4	8/9/2019 19:11	29.53	92.6	6.21	8.5
SR4	8/9/2019 1:16	28.54	62.0	4.16	7.9	SR4	8/9/2019 7:16	28.49	61.6	4.12	8.8	SR4	8/9/2019 13:16	29.50	82.4	5.52	9.1	SR4	8/9/2019 19:16	29.56	75.1	5.06	8.6
SR4	8/9/2019 1:21	28.53	67.1	4.52	8.7	SR4	8/9/2019 7:21	28.44	59.3	3.98	8.9	SR4	8/9/2019 13:21	29.52	82.5	5.52	9.0	SR4	8/9/2019 19:21	29.49	75.1	5.05	8.1
SR4	8/9/2019 1:26	28.53	61.2	4.12	8.6	SR4	8/9/2019 7:26	28.43	58.4	3.92	8.9	SR4	8/9/2019 13:26	29.48	81.0	5.43	8.7	SR4	8/9/2019 19:26	29.46	71.3	4.79	8.1
SR4	8/9/2019 1:31	28.57	65.7	4.41	8.7	SR4	8/9/2019 7:31	28.42	53.7	4.72	8.7	SR4	8/9/2019 13:31	29.31	79.9	5.36	8.9	SR4	8/9/2019 19:31	29.42	55.2	4.37	8.3
SR4	8/9/2019 1:36	28.58	67.3	4.51	8.5	SR4	8/9/2019 7:36	28.40	37.6	4.83	8.7	SR4	8/9/2019 13:36	29.53	82.8	5.54	9.0	SR4	8/9/2019 19:36	29.36	66.2	4.47	8.9
SR4	8/9/2019 1:41	28.56	66.9	4.50	8.6	SR4	8/9/2019 7:41	28.42	48.5	4.51	8.8	SR4	8/9/2019 13:41	29.50	81.5	5.45	9.0	SR4	8/9/2019 19:41	29.20	85.0	5.70	7.4
SR4	8/9/2019 1:46	28.55	63.3	4.25	8.8	SR4	8/9/2019 7:46	28.39	54.6	4.83	9.4	SR4	8/9/2019 13:46	29.54	81.9	5.48	9.2	SR4	8/9/2019 19:46	29.08	69.7	4.69	8.1
SR4	8/9/2019 1:51	28.57	68.4	4.60	8.9	SR4	8/9/2019 7:51	28.41	42.1	4.17	9.0	SR4	8/9/2019 13:51	29.48	85.0	5.69	9.7	SR4	8/9/2019 19:51	29.16	75.1	5.04	8.6
SR4	8/9/2019 1:56	28.56	67.6	4.54	9.5	SR4	8/9/2019 7:56	28.41	52.5	4.18	9.3	SR4	8/9/2019 13:56	29.52	84.9	5.68	9.8	SR4	8/9/2019 19:56	29.04	72.6	4.92	8.4
SR4	8/9/2019 2:01	28.56	68.9	4.51	8.8	SR4	8/9/2019 8:01	28.43	53.3	4.88	9.2	SR4	8/9/2019 14:01	29.73	83.6	5.59	5.1	SR4	8/9/2019 20:01	29.01	78.0	5.24	8.4
SR4	8/9/2019 2:06	28.59	68.9	4.63	8.9	SR4	8/9/2019 8:06	28.34	53.2	4.22	8.5	SR4	8/9/2019 14:06	29.76	84.7	5.65	5.3	SR4	8/9/2019 20:06	29.13	67.9	4.57	8.0
SR4	8/9/2019 2:11	28.55	67.9	4.58	8.9	SR4	8/9/2019 8:11	28.37	52.5	4.62	8.9	SR4	8/9/2019 14:11	29.67	84.5	5.64	5.3	SR4	8/9/2019 20:11	28.88	74.1	4.97	8.5
SR4	8/9/2019 2:16	28.49	68.6	4.64	8.8	SR4	8/9/2019 8:16	28.35	52.1	4.23	8.5	SR4	8/9/2019 14:16	29.64	85.1	5.69	5.4	SR4	8/9/2019 20:16	29.25	37.3	4.90	8.6
SR4	8/9/2019 2:21	28.50	69.0	4.66	8.3	SR4	8/9/2019 8:21	28.40	44.8	4.27	7.1	SR4	8/9/2019 14:21	29.57	85.8	5.74	5.3	SR4	8/9/2019 20:21	29.03	67.2	4.51	8.9
SR4	8/9/2019 2:26	28.53	69.2	4.67	9.1	SR4	8/9/2019 8:26	28.39	63.8	4.29	7.7	SR4	8/9/2019 14:26	29.65	87.4	5.84	5.3	SR4	8/9/2019 20:26	28.89	66.6	4.48	8.8
SR4	8/9/2019 2:31	28.53	71.1	4.80	9.0	SR4	8/9/2019 8:31	28.39	61.7	4.17	9.0	SR4	8/9/2019 14:31	29.64	87.0	5.81	5.1	SR4	8/9/2019 20:31	28.97	54.4	4.33	8.8
SR4	8/9/2019 2:36	28.52	73.4	4.95	8.8	SR4	8/9/2019 8:36	28.38	67.9	4.59	7.7	SR4	8/9/2019 14:36	29.67	84.8	5.86	5.1	SR4	8/9/2019 20:36	29.10	49.3	4.80	9.3
SR4	8/9/2019 2:41	28.55	73.2	4.94	9.1	SR4	8/9/2019 8:41	28.41	70.7	4.76	8.0	SR4	8/9/2019 14:41	29.70	83.7	5.59	11.3	SR4	8/9/2019 20:41	29.01	52.0	4.76	8.8
SR4	8/9/2019 2:46	28.54	71.9	4.85	8.7	SR4	8/9/2019 8:46	28.46	77.3	5.19	7.9	SR4	8/9/2019 14:46	29.78	85.9	5.72	19.5	SR4	8/9/2019 20:46	29.04	43.1	4.95	8.9
SR4	8/9/2019 2:51	28.54	75.0	5.06	8.8	SR4	8/9/2019 8:51	28.48	76.8	5.16	8.1	SR4	8/9/2019 14:51	29.70	87.7	5.85	9.9	SR4	8/9/2019 20:51	28.96	39.4	4.94	8.7
SR4	8/9/2019 2:56	28.54	71.6	4.83	8.6	SR4	8/9/2019 8:56	28.47	80.1	5.38	8.1	SR4	8/9/2019 14:56	29.65	94.1	6.28	9.9	SR4	8/9/2019 20:56	29.03	42.1	4.55	9.2
SR4	8/9/2019 3:01	28.54	71.2	4.81	8.6	SR4	8/9/2019 9:01	28.47	80.8	5.43	8.4	SR4	8/9/2019 15:01	29.66	91.7	6.12	9.9	SR4	8/9/2019 21:01	29.68	21.5	4.52	9.3
SR4	8/9/2019 3:06	28.58	70.9	4.78	9.2	SR4	8/9/2019 9:06	28.47	70.7	4.75	8.0	SR4	8/9/2019 15:06	29.66	92.2	6.16	12.4	SR4	8/9/2019 21:06	29.18	6.6	4.30	8.5
SR4	8/9/2019 3:11	28.56	68.0	4.58	8.5	SR4	8/9/2019 9:11	28.46	74.7	5.02	8.2	SR4	8/9/2019 15:11	29.58	94.0	6.28	9.6	SR4	8/9/2019 21:11	29.50	35.0	4.84	9.2
SR4	8/9/2019 3:16	28.59	70.2	4.73	8.7	SR4	8/9/2019 9:16	28.46	76.5	5.14	8.2	SR4	8/9/2019 15:16	29.51	98.2	6.58	9.5	SR4	8/9/2019 21:16	29.09	24.0	4.13	9.5
SR4	8/9/2019 3:21	28.56	69.0	4.65	8.9	SR4	8/9/2019 9:21	28.49	78.4	5.27	8.2	SR4	8/9/2019 15:21	29.50	97.6	6.54	6.0	SR4	8/9/2019 21:21	28.92	53.0	4.18	9.5
SR4	8/9/2019 3:26	28.58	67.9	4.58	8.6	SR4	8/9/2019 9:26	28.59	67.6	4.54	8.0	SR4	8/9/2019 15:26	29.52	97.4	6.52	5.3	SR4	8/9/2019 21:26	29.25	47.3	4.90	9.4
SR4	8/9/2019 3:31	28.57	65.3	4.40	8.6	SR4	8/9/2019 9:31	28.56	68.7	4.61	8.1	SR4	8/9/2019 15:31	29.54	96.6	6.46	5.1	SR4	8/9/2019 21:31	29.17	40.0	4.12	9.9
SR4	8/9/2019 3:36	28.58	68.1	4.58	8.6	SR4	8/9/2019 9:36	28.50	74.6	5.01	8.2	SR4	8/9/2019 15:36	29.56	95.0	6.35	9.9	SR4	8/9/2019 21:36	29.19	28.9	4.31	5.1
SR4	8/9/2019 3:41	28.60	69.0	4.64	8.5	SR4	8/9/2019 9:41	28.52	72.0	4.83	8.1	SR4	8/9/2019 15:41	29.54	96.7	6.47	5.3	SR4	8/9/2019 21:41	29.07	40.8	4.54	5.2
SR4	8/9/2019 3:46	28.59	64.3	4.33	8.7	SR4	8/9/2019 9:46	28.58	73.1	4.91	8.0	SR4	8/9/2019 15:46	29.54	96.6	6.46	5.2	SR4	8/9/2019 21:46	28.99	50.2	4.89	5.2
SR4	8/9/2019 3:51	28.60	66.6	4.48	8.7	SR4	8/9/2019 9:51	28.57	73.2	4.92	8.6	SR4	8/9/2019 15:51	29.56	97.4	6.51	9.5	SR4	8/9/2019 21:51	28.81	61.8	4.14	5.4
SR4	8/9/2019 3:56	28.61	70.5	4.74	8.9	SR4	8/9/2019 9:56	28.57	74.0	4.97	8.7	SR4	8/9/2019 15:56	29.51	95.5	6.39	5.2	SR4	8/9/2019 21:56	28.70	61.8	4.14	5.3
SR4	8/9/2019 4:01																						

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/9/2019 0:00	29.41	70.8	5.46	4.0	SR5	8/9/2019 6:00	28.62	73.3	5.63	6.3	SR5	8/9/2019 12:00	29.31	72.8	5.60	4.6	SR5	8/9/2019 18:00	29.46	85.0	6.06	6.1
SR5	8/9/2019 0:05	29.40	70.5	5.44	4.0	SR5	8/9/2019 6:05	28.64	72.4	5.54	4.3	SR5	8/9/2019 12:05	29.26	71.6	5.48	6.3	SR5	8/9/2019 18:05	29.57	83.5	5.93	6.0
SR5	8/9/2019 0:10	29.38	69.4	5.33	3.5	SR5	8/9/2019 6:10	28.63	73.3	5.61	4.6	SR5	8/9/2019 12:10	29.24	71.3	5.45	6.4	SR5	8/9/2019 18:10	29.65	86.8	6.20	7.9
SR5	8/9/2019 0:15	29.38	69.4	5.33	4.4	SR5	8/9/2019 6:15	28.63	72.7	5.54	5.3	SR5	8/9/2019 12:15	29.25	71.0	5.43	5.5	SR5	8/9/2019 18:15	29.60	86.4	6.17	8.4
SR5	8/9/2019 0:20	29.37	69.8	5.39	5.0	SR5	8/9/2019 6:20	28.58	72.2	5.51	5.3	SR5	8/9/2019 12:20	29.25	70.9	5.42	4.6	SR5	8/9/2019 18:20	29.78	84.8	6.03	8.2
SR5	8/9/2019 0:25	29.38	74.5	5.22	6.6	SR5	8/9/2019 6:25	28.59	73.4	5.59	4.1	SR5	8/9/2019 12:25	29.36	72.1	5.53	6.4	SR5	8/9/2019 18:25	29.72	85.5	6.11	8.2
SR5	8/9/2019 0:30	29.38	74.7	5.23	7.9	SR5	8/9/2019 6:30	28.61	73.9	5.63	5.1	SR5	8/9/2019 12:30	29.42	71.7	5.50	4.2	SR5	8/9/2019 18:30	29.66	84.3	6.01	8.2
SR5	8/9/2019 0:35	29.39	70.5	5.43	5.6	SR5	8/9/2019 6:35	28.72	73.9	5.62	6.8	SR5	8/9/2019 12:35	29.28	72.3	5.55	5.9	SR5	8/9/2019 18:35	29.63	85.3	6.08	8.2
SR5	8/9/2019 0:40	29.37	69.4	5.33	5.7	SR5	8/9/2019 6:40	28.61	73.5	5.55	5.3	SR5	8/9/2019 12:40	29.40	72.5	5.58	5.1	SR5	8/9/2019 18:40	29.61	87.5	6.26	8.0
SR5	8/9/2019 0:45	29.36	69.8	5.36	5.2	SR5	8/9/2019 6:45	28.71	74.2	5.58	5.1	SR5	8/9/2019 12:45	29.45	71.7	5.49	4.6	SR5	8/9/2019 18:45	29.75	84.3	5.99	7.9
SR5	8/9/2019 0:50	29.27	69.7	5.34	4.4	SR5	8/9/2019 6:50	28.71	75.7	5.74	5.9	SR5	8/9/2019 12:50	29.53	72.6	5.56	6.0	SR5	8/9/2019 18:50	29.48	83.3	5.90	7.8
SR5	8/9/2019 0:55	29.26	69.7	5.34	4.8	SR5	8/9/2019 6:55	28.74	76.3	5.80	5.6	SR5	8/9/2019 12:55	29.70	72.6	5.57	4.5	SR5	8/9/2019 18:55	29.87	86.8	6.21	7.7
SR5	8/9/2019 1:00	29.23	69.7	5.35	4.7	SR5	8/9/2019 7:00	28.75	75.1	5.69	4.9	SR5	8/9/2019 13:00	29.72	72.0	5.51	4.3	SR5	8/9/2019 19:00	29.82	84.7	6.03	7.9
SR5	8/9/2019 1:05	29.20	69.7	5.37	4.6	SR5	8/9/2019 7:05	28.76	74.7	5.66	5.1	SR5	8/9/2019 13:05	29.67	71.0	5.42	4.5	SR5	8/9/2019 19:05	29.54	86.9	6.23	7.6
SR5	8/9/2019 1:10	28.42	69.6	5.36	4.3	SR5	8/9/2019 7:10	28.78	75.3	5.72	5.6	SR5	8/9/2019 13:10	29.77	80.7	5.68	8.0	SR5	8/9/2019 19:10	29.71	85.4	6.10	7.6
SR5	8/9/2019 1:15	28.67	69.4	5.35	5.3	SR5	8/9/2019 7:15	28.78	75.0	5.71	4.5	SR5	8/9/2019 13:15	29.83	80.2	5.64	7.9	SR5	8/9/2019 19:15	29.48	76.8	5.36	8.1
SR5	8/9/2019 1:20	28.40	70.8	5.41	5.2	SR5	8/9/2019 7:20	28.81	75.1	5.72	4.9	SR5	8/9/2019 13:20	29.80	79.9	5.62	7.3	SR5	8/9/2019 19:20	29.42	76.8	5.35	7.6
SR5	8/9/2019 1:25	28.40	70.5	5.42	4.8	SR5	8/9/2019 7:25	28.86	76.4	5.82	5.8	SR5	8/9/2019 13:25	29.80	79.4	5.57	7.4	SR5	8/9/2019 19:25	29.38	72.6	5.56	6.5
SR5	8/9/2019 1:30	28.37	70.3	5.42	5.0	SR5	8/9/2019 7:30	28.85	75.2	5.75	5.0	SR5	8/9/2019 13:30	29.85	78.8	5.53	7.2	SR5	8/9/2019 19:30	29.37	72.9	5.60	6.8
SR5	8/9/2019 1:35	28.37	70.8	5.46	3.8	SR5	8/9/2019 7:35	28.89	73.4	5.55	6.4	SR5	8/9/2019 13:35	29.83	80.1	5.63	7.7	SR5	8/9/2019 19:35	29.37	71.9	5.50	5.4
SR5	8/9/2019 1:40	28.29	70.3	5.39	4.2	SR5	8/9/2019 7:40	28.89	74.7	5.70	5.4	SR5	8/9/2019 13:40	29.85	79.5	5.58	7.7	SR5	8/9/2019 19:40	29.55	71.8	5.49	7.0
SR5	8/9/2019 1:45	28.29	70.4	5.38	5.6	SR5	8/9/2019 7:45	28.92	75.7	5.75	5.5	SR5	8/9/2019 13:45	29.86	79.5	5.59	8.2	SR5	8/9/2019 19:45	29.82	73.4	5.64	6.2
SR5	8/9/2019 1:50	28.27	70.6	5.40	5.7	SR5	8/9/2019 7:50	28.94	74.2	5.62	5.5	SR5	8/9/2019 13:50	29.28	81.0	5.72	7.9	SR5	8/9/2019 19:50	29.80	73.1	5.62	5.5
SR5	8/9/2019 1:55	28.27	71.2	5.45	5.8	SR5	8/9/2019 7:55	29.02	74.8	5.69	4.9	SR5	8/9/2019 13:55	29.72	80.9	5.71	8.2	SR5	8/9/2019 19:55	29.93	72.2	5.51	6.5
SR5	8/9/2019 2:00	28.27	71.3	5.46	4.4	SR5	8/9/2019 8:00	28.98	73.8	5.58	5.2	SR5	8/9/2019 14:00	29.94	80.3	5.66	5.7	SR5	8/9/2019 20:00	29.86	72.9	5.58	7.1
SR5	8/9/2019 2:05	28.23	71.3	5.47	3.7	SR5	8/9/2019 8:05	29.03	73.5	5.56	5.5	SR5	8/9/2019 14:05	29.38	80.9	5.70	5.9	SR5	8/9/2019 20:05	29.82	73.3	5.63	6.3
SR5	8/9/2019 2:10	28.25	70.3	5.38	6.1	SR5	8/9/2019 8:10	29.05	75.2	5.75	6.1	SR5	8/9/2019 14:10	29.51	80.7	5.68	5.9	SR5	8/9/2019 20:10	29.69	72.2	5.52	7.8
SR5	8/9/2019 2:15	28.18	71.3	5.43	4.3	SR5	8/9/2019 8:15	29.02	74.6	5.68	5.4	SR5	8/9/2019 14:15	29.82	81.1	5.72	6.1	SR5	8/9/2019 20:15	29.69	71.9	5.49	5.6
SR5	8/9/2019 2:20	28.21	71.4	5.45	5.2	SR5	8/9/2019 8:20	29.04	75.0	5.71	5.6	SR5	8/9/2019 14:20	29.61	81.4	5.75	6.0	SR5	8/9/2019 20:20	29.68	73.3	5.64	5.4
SR5	8/9/2019 2:25	28.25	72.1	5.51	5.2	SR5	8/9/2019 8:25	29.03	73.2	5.55	4.1	SR5	8/9/2019 14:25	29.49	82.1	5.82	5.9	SR5	8/9/2019 20:25	29.64	73.2	5.63	5.8
SR5	8/9/2019 2:30	28.22	72.2	5.51	4.3	SR5	8/9/2019 8:30	29.09	74.3	5.68	4.1	SR5	8/9/2019 14:30	29.40	81.7	5.79	6.2	SR5	8/9/2019 20:30	29.80	73.4	5.64	5.7
SR5	8/9/2019 2:35	28.20	72.3	5.52	4.5	SR5	8/9/2019 8:35	29.08	72.4	5.52	4.7	SR5	8/9/2019 14:35	29.47	80.0	5.66	6.2	SR5	8/9/2019 20:35	29.82	73.9	5.70	7.5
SR5	8/9/2019 2:40	28.23	72.0	5.49	4.9	SR5	8/9/2019 8:40	29.14	74.6	5.70	5.4	SR5	8/9/2019 14:40	29.73	79.3	5.60	8.7	SR5	8/9/2019 20:40	29.81	74.6	5.76	8.0
SR5	8/9/2019 2:45	28.19	72.2	5.51	3.8	SR5	8/9/2019 8:45	29.09	75.1	5.75	5.3	SR5	8/9/2019 14:45	28.90	80.6	5.70	12.9	SR5	8/9/2019 20:45	29.80	73.9	5.70	7.0
SR5	8/9/2019 2:50	28.23	71.8	5.50	4.7	SR5	8/9/2019 8:50	29.12	73.2	5.59	5.3	SR5	8/9/2019 14:50	29.09	81.5	5.78	8.6	SR5	8/9/2019 20:50	29.83	74.4	5.74	5.0
SR5	8/9/2019 2:55	28.22	71.3	5.45	4.3	SR5	8/9/2019 8:55	29.15	72.0	5.51	5.7	SR5	8/9/2019 14:55	28.67	84.7	6.06	8.0	SR5	8/9/2019 20:55	29.88	74.1	5.72	6.0
SR5	8/9/2019 3:00	28.21	70.5	5.39	4.5	SR5	8/9/2019 9:00	29.17	71.0	5.43	5.6	SR5	8/9/2019 15:00	29.21	83.6	5.96	8.5	SR5	8/9/2019 21:00	29.92	73.4	5.69	6.6
SR5	8/9/2019 3:05	28.17	70.7	5.42	4.9	SR5	8/9/2019 9:05	29.14	72.5	5.60	5.9	SR5	8/9/2019 15:05	28.82	83.9	5.99	9.7	SR5	8/9/2019 21:05	29.92	73.0	5.67	6.9
SR5	8/9/2019 3:10	28.17	70.1	5.36	6.1	SR5	8/9/2019 9:10	29.16	72.4	5.60	4.7	SR5	8/9/2019 15:10	28.67	85.0	6.08	8.5	SR5	8/9/2019 21:10	30.02	72.5	5.63	7.6
SR5	8/9/2019 3:15	28.15	70.8	5.43	5.1	SR5	8/9/2019 9:15	29.15	70.6	5.41	6.9	SR5	8/9/2019 15:15	28.63	86.9	6.26	8.2	SR5	8/9/2019 21:15	29.96	72.3	5.61	7.7
SR5	8/9/2019 3:20	28.12	71.0	5.42	6.4	SR5	8/9/2019 9:20	29.16	70.7	5.43	4.6	SR5	8/9/2019 15:20	28.67	86.4	6.23	6.7	SR5	8/9/2019 21:20	29.99	72.5	5.63	7.2
SR5	8/9/2019 3:25	28.10	70.7	5.41	4.3	SR5	8/9/2019 9:25	29.18	69.7	5.35	5.6	SR5	8/9/2019 15:25	28.64	86.0	6.20	6.3	SR5	8/9/2019 21:25	30.03	72.2	5.60	6.0
SR5	8/9/2019 3:30	28.10	71.1	5.42	3.9	SR5	8/9/2019 9:30	29.19	70.3	5.40	5.2	SR5	8/9/2019 15:30	29.39	85.5	6.15	6.1	SR5	8/9/2019 21:30	30.08	72.5	5.63	6.1
SR5	8/9/2019 3:35	28.16	71.9	5.50	5.6	SR5	8/9/2019 9:35	29.20	71.7	5.53	5.0	SR5	8/9/2019 15:35	28.65	84.8	6.09	8.2	SR5	8/9/2019 21:35	30.00	72.7	5.65	6.3
SR5	8/9/2019 3:40	28.08	72.1	5.52	5.9	SR5	8/9/2019 9:40	29.21	71.0	5.47	4.5	SR5	8/9/2019 15:40	28.67	85.4	6.15	5.3	SR5	8/9/2019 21:40	30.01	72.0	5.59	7.2
SR5	8/9/2019 3:45	28.13	71.5	5.43	4.2	SR5	8/9/2019 9:45	29.25	71.3	5.50	6.3	SR5	8/9/2019 15:45	28.63	85.2	6.14	6.0	SR5	8/9/2019 21:45	30.00	72.4	5.60	7.1
SR5	8/9/2019 3:50	28.16	71.7	5.44	5.8	SR5	8/9/2019 9:50	29.17	70.2	5.37	6.8	SR5	8/9/2019 15:50	28.52	85.7	6.18	8.3	SR5	8/9/2019 21:50	30.07	73.0	5.67	6.5
SR5	8/9/2019 3:55	28.54	71.4	5.42	6.1	SR5	8/9/2019 9:55	29.25	71.9	5.54	4.8	SR5	8/9/2019 15:55	28.64	84.6	6.09	5.7	SR5	8/9/2019 21:55	30.07	72.7	5.62	6.1
SR5	8/9/2019 4:00	2																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/9/2019 0:01	28.46	69.2	5.18	6.4	SR12	8/9/2019 6:01	28.23	64.9	4.86	6.3	SR12	8/9/2019 12:01	28.89	61.3	4.59	7.5	SR12	8/9/2019 18:01	29.21	73.4	5.02	7.9
SR12	8/9/2019 0:06	28.47	69.3	5.19	7.1	SR12	8/9/2019 6:06	28.38	67.1	5.02	8.2	SR12	8/9/2019 12:06	29.13	63.5	4.75	6.0	SR12	8/9/2019 18:06	29.49	77.6	5.30	7.2
SR12	8/9/2019 0:11	28.46	62.8	4.70	6.4	SR12	8/9/2019 6:11	28.29	69.1	5.17	7.1	SR12	8/9/2019 12:11	29.10	65.3	4.89	7.8	SR12	8/9/2019 18:11	29.04	63.7	4.77	8.2
SR12	8/9/2019 0:16	28.43	63.6	4.76	6.8	SR12	8/9/2019 6:16	28.18	63.6	4.76	7.3	SR12	8/9/2019 12:16	29.22	68.1	4.66	7.5	SR12	8/9/2019 18:16	29.51	79.5	5.43	7.7
SR12	8/9/2019 0:21	28.41	61.5	4.60	7.4	SR12	8/9/2019 6:21	28.24	63.6	4.76	8.0	SR12	8/9/2019 12:21	29.14	68.3	5.11	8.0	SR12	8/9/2019 18:21	29.37	78.1	5.34	6.4
SR12	8/9/2019 0:26	28.44	63.3	4.74	6.5	SR12	8/9/2019 6:26	28.25	64.7	4.84	6.3	SR12	8/9/2019 12:26	29.16	67.9	5.08	6.8	SR12	8/9/2019 18:26	29.26	71.9	4.91	7.7
SR12	8/9/2019 0:31	28.41	62.8	4.70	6.1	SR12	8/9/2019 6:31	28.32	66.3	4.96	6.9	SR12	8/9/2019 12:31	29.14	62.0	4.64	8.4	SR12	8/9/2019 18:31	29.23	72.5	4.96	7.1
SR12	8/9/2019 0:36	28.25	65.5	4.90	6.2	SR12	8/9/2019 6:36	28.33	62.7	4.69	7.6	SR12	8/9/2019 12:36	29.13	66.8	5.00	7.5	SR12	8/9/2019 18:36	29.06	71.1	4.87	7.7
SR12	8/9/2019 0:41	28.30	63.5	4.75	7.0	SR12	8/9/2019 6:41	28.35	64.9	4.86	6.8	SR12	8/9/2019 12:41	29.06	65.7	4.92	7.1	SR12	8/9/2019 18:41	29.01	69.9	4.79	7.6
SR12	8/9/2019 0:46	28.31	63.9	4.78	6.9	SR12	8/9/2019 6:46	28.35	61.7	4.62	7.5	SR12	8/9/2019 12:46	29.14	67.7	5.07	6.4	SR12	8/9/2019 18:46	29.43	80.2	5.49	7.7
SR12	8/9/2019 0:51	28.26	64.8	4.85	6.8	SR12	8/9/2019 6:51	28.39	61.3	4.59	7.3	SR12	8/9/2019 12:51	29.16	67.5	5.05	6.7	SR12	8/9/2019 18:51	29.14	74.5	5.11	7.1
SR12	8/9/2019 0:56	28.22	65.1	4.87	6.4	SR12	8/9/2019 6:56	28.31	63.6	4.76	6.2	SR12	8/9/2019 12:56	29.20	64.5	4.83	16.8	SR12	8/9/2019 18:56	29.00	69.1	4.74	5.8
SR12	8/9/2019 1:01	28.16	67.6	5.06	7.4	SR12	8/9/2019 7:01	28.36	63.5	4.75	7.0	SR12	8/9/2019 13:01	28.91	67.1	5.02	7.0	SR12	8/9/2019 19:01	29.26	72.9	4.99	7.7
SR12	8/9/2019 1:06	28.29	69.5	5.20	5.9	SR12	8/9/2019 7:06	28.37	64.9	4.86	6.4	SR12	8/9/2019 13:06	29.27	66.9	5.01	8.2	SR12	8/9/2019 19:06	29.18	71.7	4.91	7.9
SR12	8/9/2019 1:11	28.19	63.5	4.75	6.6	SR12	8/9/2019 7:11	28.38	69.6	5.21	5.9	SR12	8/9/2019 13:11	29.15	63.2	4.73	6.4	SR12	8/9/2019 19:11	29.10	68.2	4.67	7.6
SR12	8/9/2019 1:16	28.12	64.9	4.86	7.1	SR12	8/9/2019 7:16	28.40	61.7	4.62	6.7	SR12	8/9/2019 13:16	29.09	64.5	4.83	6.8	SR12	8/9/2019 19:16	28.99	63.6	4.76	6.4
SR12	8/9/2019 1:21	28.10	66.8	5.00	6.5	SR12	8/9/2019 7:21	28.31	62.9	4.71	7.0	SR12	8/9/2019 13:21	29.01	65.1	4.87	7.4	SR12	8/9/2019 19:21	28.82	64.7	4.84	8.5
SR12	8/9/2019 1:26	28.17	66.7	4.99	6.2	SR12	8/9/2019 7:26	28.25	67.2	5.03	5.9	SR12	8/9/2019 13:26	28.97	62.9	4.71	7.3	SR12	8/9/2019 19:26	29.20	68.2	4.67	6.8
SR12	8/9/2019 1:31	28.13	63.1	4.72	5.7	SR12	8/9/2019 7:31	28.27	64.0	4.79	8.0	SR12	8/9/2019 13:31	28.97	62.7	4.69	8.1	SR12	8/9/2019 19:31	28.66	67.9	5.08	7.4
SR12	8/9/2019 1:36	28.13	62.8	4.70	5.4	SR12	8/9/2019 7:36	28.26	63.7	4.77	7.1	SR12	8/9/2019 13:36	28.87	65.5	4.90	8.0	SR12	8/9/2019 19:36	28.98	69.7	4.78	7.2
SR12	8/9/2019 1:41	28.15	69.6	5.21	7.4	SR12	8/9/2019 7:41	28.27	63.5	4.75	17.0	SR12	8/9/2019 13:41	29.02	68.0	5.09	7.5	SR12	8/9/2019 19:41	29.09	68.6	4.70	6.2
SR12	8/9/2019 1:46	28.14	63.5	4.75	7.4	SR12	8/9/2019 7:46	28.26	63.6	4.76	8.4	SR12	8/9/2019 13:46	28.85	62.0	4.64	7.5	SR12	8/9/2019 19:46	29.01	67.5	4.63	6.3
SR12	8/9/2019 1:51	28.06	62.7	4.69	6.5	SR12	8/9/2019 7:51	28.28	67.7	5.07	7.9	SR12	8/9/2019 13:51	28.91	62.1	4.65	7.9	SR12	8/9/2019 19:51	28.87	64.8	4.85	7.5
SR12	8/9/2019 1:56	28.09	61.9	4.63	6.0	SR12	8/9/2019 7:56	28.27	67.5	5.05	8.1	SR12	8/9/2019 13:56	29.21	66.4	4.97	7.4	SR12	8/9/2019 19:56	29.06	69.6	5.21	6.4
SR12	8/9/2019 2:01	28.08	68.1	5.10	5.9	SR12	8/9/2019 8:01	28.22	61.9	4.63	7.7	SR12	8/9/2019 14:01	28.98	69.2	5.18	6.4	SR12	8/9/2019 20:01	29.13	68.7	4.71	6.6
SR12	8/9/2019 2:06	28.08	62.9	4.71	5.8	SR12	8/9/2019 8:06	28.14	67.6	5.06	6.9	SR12	8/9/2019 14:06	29.11	62.4	4.67	6.7	SR12	8/9/2019 20:06	29.07	66.9	4.58	7.0
SR12	8/9/2019 2:11	28.05	62.9	4.71	7.4	SR12	8/9/2019 8:11	28.22	64.1	4.80	7.2	SR12	8/9/2019 14:11	29.15	63.2	4.73	7.7	SR12	8/9/2019 20:11	28.95	66.9	5.01	6.9
SR12	8/9/2019 2:16	28.06	67.2	5.03	6.5	SR12	8/9/2019 8:16	28.14	64.4	4.82	7.4	SR12	8/9/2019 14:16	28.99	63.9	4.78	7.6	SR12	8/9/2019 20:16	29.06	69.4	4.77	7.6
SR12	8/9/2019 2:21	28.06	66.4	4.97	7.4	SR12	8/9/2019 8:21	28.17	62.0	4.64	6.6	SR12	8/9/2019 14:21	28.86	67.7	4.64	7.5	SR12	8/9/2019 20:21	29.07	70.4	4.81	7.7
SR12	8/9/2019 2:26	28.09	68.7	5.14	7.0	SR12	8/9/2019 8:26	28.16	64.3	4.81	7.7	SR12	8/9/2019 14:26	29.36	66.0	4.94	8.5	SR12	8/9/2019 20:26	29.10	74.0	5.06	7.3
SR12	8/9/2019 2:31	28.07	64.4	4.82	6.5	SR12	8/9/2019 8:31	28.09	61.7	4.62	7.3	SR12	8/9/2019 14:31	29.62	69.5	4.73	6.7	SR12	8/9/2019 20:31	29.00	64.1	4.80	7.4
SR12	8/9/2019 2:36	28.03	61.3	4.59	7.8	SR12	8/9/2019 8:36	28.08	62.9	4.71	7.9	SR12	8/9/2019 14:36	28.97	62.7	4.69	7.5	SR12	8/9/2019 20:36	29.16	74.6	5.11	6.8
SR12	8/9/2019 2:41	28.07	68.7	5.14	6.6	SR12	8/9/2019 8:41	28.09	68.1	5.10	7.9	SR12	8/9/2019 14:41	29.23	62.5	4.68	7.2	SR12	8/9/2019 20:41	29.02	69.3	4.74	8.4
SR12	8/9/2019 2:46	28.06	66.1	4.95	5.6	SR12	8/9/2019 8:46	28.13	63.7	4.77	8.4	SR12	8/9/2019 14:46	29.58	64.9	4.86	6.7	SR12	8/9/2019 20:46	28.88	67.1	4.59	6.8
SR12	8/9/2019 2:51	28.04	66.7	4.99	6.2	SR12	8/9/2019 8:51	28.10	69.3	5.19	7.7	SR12	8/9/2019 14:51	29.36	65.1	4.87	8.4	SR12	8/9/2019 20:51	28.84	67.7	5.07	7.3
SR12	8/9/2019 2:56	28.03	66.1	4.95	5.3	SR12	8/9/2019 8:56	28.13	69.2	5.18	7.5	SR12	8/9/2019 14:56	29.26	68.7	5.14	6.9	SR12	8/9/2019 20:56	28.97	67.2	5.03	7.6
SR12	8/9/2019 3:01	28.02	67.5	5.05	5.8	SR12	8/9/2019 9:01	28.26	67.2	5.03	6.4	SR12	8/9/2019 15:01	29.19	64.5	4.83	7.3	SR12	8/9/2019 21:01	29.06	67.5	4.61	6.5
SR12	8/9/2019 3:06	28.03	64.4	4.82	5.8	SR12	8/9/2019 9:06	28.33	63.5	4.75	7.9	SR12	8/9/2019 15:06	29.50	62.0	4.64	6.3	SR12	8/9/2019 21:06	29.09	67.6	4.62	6.7
SR12	8/9/2019 3:11	28.02	61.5	4.60	6.2	SR12	8/9/2019 9:11	28.30	65.6	4.91	7.7	SR12	8/9/2019 15:11	29.31	70.5	4.81	5.5	SR12	8/9/2019 21:11	29.01	68.5	5.13	6.7
SR12	8/9/2019 3:16	28.06	66.4	4.97	6.5	SR12	8/9/2019 9:16	28.28	69.1	5.17	7.6	SR12	8/9/2019 15:16	29.08	70.2	4.80	7.6	SR12	8/9/2019 21:16	28.88	67.2	5.03	7.2
SR12	8/9/2019 3:21	28.06	61.5	4.60	6.4	SR12	8/9/2019 9:21	28.35	67.1	5.02	7.7	SR12	8/9/2019 15:21	29.15	72.5	4.95	7.0	SR12	8/9/2019 21:21	28.92	63.9	4.78	8.4
SR12	8/9/2019 3:26	28.07	62.1	4.65	6.5	SR12	8/9/2019 9:26	28.33	63.3	4.74	8.3	SR12	8/9/2019 15:26	29.25	72.6	4.96	6.9	SR12	8/9/2019 21:26	28.99	63.7	4.77	5.8
SR12	8/9/2019 3:31	28.12	64.0	4.79	6.2	SR12	8/9/2019 9:31	28.40	67.7	5.07	7.7	SR12	8/9/2019 15:31	29.52	74.1	5.05	7.6	SR12	8/9/2019 21:31	28.91	65.2	4.88	8.2
SR12	8/9/2019 3:36	28.21	64.1	4.80	7.4	SR12	8/9/2019 9:36	28.37	64.5	4.83	8.1	SR12	8/9/2019 15:36	29.61	72.8	4.96	7.4	SR12	8/9/2019 21:36	28.94	67.1	5.02	7.5
SR12	8/9/2019 3:41	28.27	68.9	5.16	7.8	SR12	8/9/2019 9:41	28.36	64.0	4.79	8.2	SR12	8/9/2019 15:41	29.49	75.5	5.15	5.8	SR12	8/9/2019 21:41	28.94	66.5	4.98	6.6
SR12	8/9/2019 3:46	28.24	67.5	5.05	7.0	SR12	8/9/2019 9:46	28.41	67.3	5.04	8.1	SR12	8/9/2019 15:46	29.27	70.6	4.83	6.7	SR12	8/9/2019 21:46	29.00	65.5	4.90	7.3
SR12	8/9/2019 3:51	28.41	64.8	4.85	6.7	SR12	8/9/2019 9:51	28.43	68.7	5.14	7.2	SR12	8/9/2019 15:51	29.51	72.4	4.94	7.1	SR12	8/9/2019 21:51	28.80	62.0	4.64	6.6
SR12	8/9/2019 3:56	28.41	68.1	5.10	5.6	SR12	8/9/2019 9:56																

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/9/2019 0:00	28.98	70.8	5.36	5.8	SR13	8/9/2019 6:00	28.75	68.5	5.19	6.6	SR13	8/9/2019 12:00	29.23	72.1	5.46	5.6	SR13	8/9/2019 18:00	29.32	74.7	5.48	6.9
SR13	8/9/2019 0:05	29.00	70.6	5.34	5.5	SR13	8/9/2019 6:05	28.72	70.1	5.30	5.1	SR13	8/9/2019 12:05	29.20	71.0	5.37	6.2	SR13	8/9/2019 18:05	29.50	75.6	5.37	5.6
SR13	8/9/2019 0:10	28.98	68.7	5.19	4.7	SR13	8/9/2019 6:10	28.73	69.2	5.23	6.1	SR13	8/9/2019 12:10	29.19	71.0	5.36	6.5	SR13	8/9/2019 18:10	29.32	76.6	5.63	6.9
SR13	8/9/2019 0:15	28.98	68.7	5.19	5.6	SR13	8/9/2019 6:15	28.73	68.8	5.19	6.2	SR13	8/9/2019 12:15	29.11	71.3	5.39	6.7	SR13	8/9/2019 18:15	29.43	77.2	5.50	7.4
SR13	8/9/2019 0:20	28.98	71.6	5.42	6.4	SR13	8/9/2019 6:20	28.72	68.5	5.17	10.9	SR13	8/9/2019 12:20	29.17	72.5	5.48	6.0	SR13	8/9/2019 18:20	29.54	76.3	5.43	7.0
SR13	8/9/2019 0:25	28.99	70.9	5.18	6.9	SR13	8/9/2019 6:25	28.72	69.1	5.21	6.1	SR13	8/9/2019 12:25	29.17	70.9	5.36	6.7	SR13	8/9/2019 18:25	29.49	76.1	5.43	7.0
SR13	8/9/2019 0:30	28.96	70.9	5.18	7.1	SR13	8/9/2019 6:30	28.73	71.0	5.36	6.3	SR13	8/9/2019 12:30	29.21	70.8	5.36	6.4	SR13	8/9/2019 18:30	29.41	74.5	5.47	7.6
SR13	8/9/2019 0:35	28.97	68.9	5.21	6.0	SR13	8/9/2019 6:35	28.76	70.8	5.34	7.1	SR13	8/9/2019 12:35	29.27	72.5	5.49	6.5	SR13	8/9/2019 18:35	29.48	76.9	5.64	7.0
SR13	8/9/2019 0:40	28.95	70.9	5.36	6.2	SR13	8/9/2019 6:40	28.70	68.3	5.14	6.5	SR13	8/9/2019 12:40	29.23	73.7	5.58	6.1	SR13	8/9/2019 18:40	29.50	77.3	5.51	6.5
SR13	8/9/2019 0:45	28.95	69.0	5.22	5.6	SR13	8/9/2019 6:45	28.70	70.9	5.32	6.2	SR13	8/9/2019 12:45	29.31	70.7	5.34	5.6	SR13	8/9/2019 18:45	29.53	75.4	5.36	6.9
SR13	8/9/2019 0:50	28.90	69.2	5.23	6.1	SR13	8/9/2019 6:50	28.73	70.1	5.28	6.4	SR13	8/9/2019 12:50	29.34	71.0	5.37	7.0	SR13	8/9/2019 18:50	29.38	75.2	5.51	7.1
SR13	8/9/2019 0:55	28.90	71.0	5.36	6.1	SR13	8/9/2019 6:55	28.72	70.3	5.30	6.5	SR13	8/9/2019 12:55	29.33	70.9	5.37	5.9	SR13	8/9/2019 18:55	29.56	77.2	5.50	6.8
SR13	8/9/2019 1:00	28.89	70.8	5.35	6.1	SR13	8/9/2019 7:00	28.73	69.0	5.20	5.6	SR13	8/9/2019 13:00	29.27	72.2	5.29	6.2	SR13	8/9/2019 19:00	29.55	77.1	5.48	7.2
SR13	8/9/2019 1:05	28.89	71.7	5.42	5.9	SR13	8/9/2019 7:05	28.72	69.9	5.26	6.0	SR13	8/9/2019 13:05	29.45	71.0	5.37	6.5	SR13	8/9/2019 19:05	29.46	79.0	5.63	6.7
SR13	8/9/2019 1:10	28.61	70.0	5.29	5.7	SR13	8/9/2019 7:10	28.71	68.9	5.20	5.7	SR13	8/9/2019 13:10	29.59	75.7	5.37	7.2	SR13	8/9/2019 19:10	29.48	74.7	5.49	7.1
SR13	8/9/2019 1:15	28.68	68.7	5.20	6.5	SR13	8/9/2019 7:15	28.70	69.4	5.24	5.8	SR13	8/9/2019 13:15	29.35	73.1	5.36	7.3	SR13	8/9/2019 19:15	29.46	75.8	5.35	6.9
SR13	8/9/2019 1:20	28.60	72.3	5.45	6.1	SR13	8/9/2019 7:20	28.71	71.6	5.40	5.9	SR13	8/9/2019 13:20	29.45	73.0	5.36	7.1	SR13	8/9/2019 19:20	29.39	73.4	5.17	7.7
SR13	8/9/2019 1:25	28.59	71.1	5.38	5.2	SR13	8/9/2019 7:25	28.75	70.4	5.32	6.7	SR13	8/9/2019 13:25	29.60	73.9	5.42	6.7	SR13	8/9/2019 19:25	29.31	70.9	5.17	5.9
SR13	8/9/2019 1:30	28.57	71.6	5.42	5.9	SR13	8/9/2019 7:30	28.74	72.2	5.46	6.2	SR13	8/9/2019 13:30	29.53	73.9	5.42	7.1	SR13	8/9/2019 19:30	29.33	71.4	5.39	6.5
SR13	8/9/2019 1:35	28.57	71.7	5.43	5.0	SR13	8/9/2019 7:35	28.77	71.3	5.36	6.7	SR13	8/9/2019 13:35	29.48	75.9	5.57	7.0	SR13	8/9/2019 19:35	29.34	70.8	5.34	5.9
SR13	8/9/2019 1:40	28.54	72.0	5.43	5.2	SR13	8/9/2019 7:40	28.82	71.2	5.37	5.7	SR13	8/9/2019 13:40	29.50	74.2	5.44	6.8	SR13	8/9/2019 19:40	29.44	70.9	5.17	6.2
SR13	8/9/2019 1:45	28.54	70.8	5.34	5.5	SR13	8/9/2019 7:45	28.86	70.1	5.28	5.9	SR13	8/9/2019 13:45	29.63	72.6	5.31	6.8	SR13	8/9/2019 19:45	29.54	71.5	5.23	6.3
SR13	8/9/2019 1:50	28.53	69.7	5.26	6.3	SR13	8/9/2019 7:50	28.85	70.6	5.32	6.4	SR13	8/9/2019 13:50	29.36	76.2	5.41	6.7	SR13	8/9/2019 19:50	29.51	71.7	5.42	6.3
SR13	8/9/2019 1:55	28.55	71.8	5.42	6.2	SR13	8/9/2019 7:55	28.87	72.2	5.44	6.0	SR13	8/9/2019 13:55	29.42	76.0	5.39	7.2	SR13	8/9/2019 19:55	29.49	70.7	5.33	6.8
SR13	8/9/2019 2:00	28.55	69.9	5.28	5.8	SR13	8/9/2019 8:00	28.89	71.0	5.34	6.1	SR13	8/9/2019 14:00	29.52	76.5	5.42	6.4	SR13	8/9/2019 20:00	29.49	69.8	5.27	7.3
SR13	8/9/2019 2:05	28.54	70.0	5.29	5.6	SR13	8/9/2019 8:05	28.89	69.4	5.22	6.2	SR13	8/9/2019 14:05	29.37	76.7	5.44	6.2	SR13	8/9/2019 20:05	29.51	69.9	5.28	6.0
SR13	8/9/2019 2:10	28.56	70.5	5.32	6.3	SR13	8/9/2019 8:10	28.93	71.8	5.43	6.4	SR13	8/9/2019 14:10	29.51	77.2	5.46	6.7	SR13	8/9/2019 20:10	29.43	70.0	5.28	7.5
SR13	8/9/2019 2:15	28.57	71.3	5.37	6.3	SR13	8/9/2019 8:15	28.90	70.3	5.30	6.3	SR13	8/9/2019 14:15	29.65	76.8	5.44	6.9	SR13	8/9/2019 20:15	29.45	70.9	5.34	6.6
SR13	8/9/2019 2:20	28.60	73.2	5.52	6.6	SR13	8/9/2019 8:20	28.91	70.2	5.29	6.8	SR13	8/9/2019 14:20	29.54	77.8	5.51	5.8	SR13	8/9/2019 20:20	29.44	71.0	5.37	6.3
SR13	8/9/2019 2:25	28.60	72.8	5.49	6.1	SR13	8/9/2019 8:25	28.92	71.0	5.35	5.7	SR13	8/9/2019 14:25	29.40	76.0	5.40	5.9	SR13	8/9/2019 20:25	29.45	70.8	5.35	6.4
SR13	8/9/2019 2:30	28.66	71.5	5.39	5.5	SR13	8/9/2019 8:30	28.95	72.0	5.44	5.5	SR13	8/9/2019 14:30	29.48	76.5	5.43	6.6	SR13	8/9/2019 20:30	29.46	69.3	5.24	6.2
SR13	8/9/2019 2:35	28.65	72.6	5.48	5.1	SR13	8/9/2019 8:35	28.94	69.2	5.22	5.3	SR13	8/9/2019 14:35	29.39	77.2	5.48	6.7	SR13	8/9/2019 20:35	29.47	69.1	5.23	6.9
SR13	8/9/2019 2:40	28.63	71.0	5.35	5.6	SR13	8/9/2019 8:40	28.99	71.0	5.36	6.1	SR13	8/9/2019 14:40	29.60	77.9	5.51	7.6	SR13	8/9/2019 20:40	29.49	70.8	5.36	7.5
SR13	8/9/2019 2:45	28.61	71.8	5.41	5.6	SR13	8/9/2019 8:45	29.01	73.1	5.52	6.6	SR13	8/9/2019 14:45	29.20	75.7	5.37	9.1	SR13	8/9/2019 20:45	29.48	69.1	5.23	7.1
SR13	8/9/2019 2:50	28.62	72.1	5.45	5.8	SR13	8/9/2019 8:50	29.02	69.8	5.27	6.6	SR13	8/9/2019 14:50	29.26	76.8	5.45	7.4	SR13	8/9/2019 20:50	29.45	71.1	5.38	6.1
SR13	8/9/2019 2:55	28.64	70.8	5.34	5.6	SR13	8/9/2019 8:55	29.02	69.1	5.22	6.4	SR13	8/9/2019 14:55	29.10	79.4	5.65	7.2	SR13	8/9/2019 20:55	29.41	70.4	5.33	6.3
SR13	8/9/2019 3:00	28.67	69.3	5.23	5.8	SR13	8/9/2019 9:00	29.03	69.7	5.26	5.3	SR13	8/9/2019 15:00	29.37	79.4	5.65	7.3	SR13	8/9/2019 21:00	29.50	69.0	5.23	5.8
SR13	8/9/2019 3:05	28.62	68.5	5.17	5.2	SR13	8/9/2019 9:05	29.00	71.6	5.43	6.3	SR13	8/9/2019 15:05	29.20	79.1	5.63	8.2	SR13	8/9/2019 21:05	29.46	70.4	5.34	6.6
SR13	8/9/2019 3:10	28.65	70.7	5.34	6.4	SR13	8/9/2019 9:10	29.03	70.3	5.33	5.9	SR13	8/9/2019 15:10	29.17	81.2	5.79	7.2	SR13	8/9/2019 21:10	29.52	70.1	5.31	7.3
SR13	8/9/2019 3:15	28.63	71.1	5.38	5.5	SR13	8/9/2019 9:15	29.02	68.7	5.19	6.8	SR13	8/9/2019 15:15	29.20	83.2	5.93	6.7	SR13	8/9/2019 21:15	29.49	71.0	5.38	7.1
SR13	8/9/2019 3:20	28.63	71.6	5.40	6.6	SR13	8/9/2019 9:20	29.05	68.9	5.21	6.1	SR13	8/9/2019 15:20	29.24	82.7	5.90	7.0	SR13	8/9/2019 21:20	29.51	69.1	5.25	7.2
SR13	8/9/2019 3:25	28.59	70.5	5.32	5.4	SR13	8/9/2019 9:25	29.07	70.9	5.36	6.8	SR13	8/9/2019 15:25	29.17	80.9	5.77	6.6	SR13	8/9/2019 21:25	29.54	70.0	5.31	6.4
SR13	8/9/2019 3:30	28.64	70.1	5.28	5.1	SR13	8/9/2019 9:30	29.09	70.0	5.29	6.0	SR13	8/9/2019 15:30	29.40	79.8	5.70	6.4	SR13	8/9/2019 21:30	29.55	71.1	5.39	6.4
SR13	8/9/2019 3:35	28.65	69.9	5.28	4.8	SR13	8/9/2019 9:35	29.09	71.0	5.38	6.2	SR13	8/9/2019 15:35	29.15	78.1	5.57	7.5	SR13	8/9/2019 21:35	29.48	70.8	5.37	6.5
SR13	8/9/2019 3:40	28.61	71.0	5.36	6.0	SR13	8/9/2019 9:40	29.10	69.9	5.29	6.6	SR13	8/9/2019 15:40	29.22	79.2	5.65	6.3	SR13	8/9/2019 21:40	29.50	71.9	5.45	6.7
SR13	8/9/2019 3:45	28.64	69.9	5.26	4.9	SR13	8/9/2019 9:45	29.13	71.5	5.41	6.8	SR13	8/9/2019 15:45	29.19	79.0	5.64	6.2	SR13	8/9/2019 21:45	29.49	71.8	5.44	7.1
SR13	8/9/2019 3:50	28.63	70.9	5.33	5.8	SR13	8/9/2019 9:50	29.11	70.5	5.32	6.8	SR13	8/9/2019 15:50	29.16	80.5	5.74	6.9	SR13	8/9/2019 21:50	29.55	70.7	5.36	6.8
SR13	8/9/2019 3:55	28.75	68.6	5.17	5.8	SR13	8/9/2019 9:55	2															

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/9/2019 0:17	0.10				SR12	8/9/2019 0:17	0.10			
SR4	8/9/2019 0:37	0.12				SR12	8/9/2019 0:37	0.10			
SR4	8/9/2019 0:57	0.12				SR12	8/9/2019 0:57	0.11			
SR4	8/9/2019 1:17	0.11				SR12	8/9/2019 1:17	0.11			
SR4	8/9/2019 1:37	0.12				SR12	8/9/2019 1:37	0.10			
SR4	8/9/2019 1:57	0.10				SR12	8/9/2019 1:57	0.12			
SR4	8/9/2019 2:17	0.11				SR12	8/9/2019 2:17	0.12			
SR4	8/9/2019 2:37	0.10				SR12	8/9/2019 2:37	0.10			
SR4	8/9/2019 2:57	0.11				SR12	8/9/2019 2:57	0.10			
SR4	8/9/2019 3:17	0.11				SR12	8/9/2019 3:17	0.10			
SR4	8/9/2019 3:37	0.10				SR12	8/9/2019 3:37	0.12			
SR4	8/9/2019 3:57	0.11				SR12	8/9/2019 3:57	0.11			
SR4	8/9/2019 4:17	0.11				SR12	8/9/2019 4:17	0.10			
SR4	8/9/2019 4:37	0.10				SR12	8/9/2019 4:37	0.11			
SR4	8/9/2019 4:57	0.10				SR12	8/9/2019 4:57	0.12			
SR4	8/9/2019 5:17	0.12				SR12	8/9/2019 5:17	0.11			
SR4	8/9/2019 5:37	0.11				SR12	8/9/2019 5:37	0.11			
SR4	8/9/2019 5:57	0.12				SR12	8/9/2019 5:57	0.12			
SR4						SR12					
SR4	8/9/2019 6:37	0.13				SR12	8/9/2019 6:37	0.13			
SR4	8/9/2019 6:57	0.11				SR12	8/9/2019 6:57	0.12			
SR4	8/9/2019 7:17	0.13				SR12	8/9/2019 7:17	0.12			
SR4	8/9/2019 7:37	0.13				SR12	8/9/2019 7:37	0.13			
SR4	8/9/2019 7:57	0.13				SR12	8/9/2019 7:57	0.13			
SR4	8/9/2019 8:17	0.13				SR12	8/9/2019 8:17	0.13			
SR4	8/9/2019 8:37	0.11				SR12	8/9/2019 8:37	0.12			
SR4	8/9/2019 8:57	0.14				SR12	8/9/2019 8:57	0.14			
SR4	8/9/2019 9:17	0.12				SR12	8/9/2019 9:17	0.13			
SR4	8/9/2019 9:37	0.12				SR12	8/9/2019 9:37	0.13			
SR4	8/9/2019 9:57	0.13				SR12	8/9/2019 9:57	0.13			
SR4	8/9/2019 10:17	0.13				SR12	8/9/2019 10:17	0.13			
SR4	8/9/2019 10:37	0.13				SR12	8/9/2019 10:37	0.12			
SR4	8/9/2019 10:57	0.14				SR12	8/9/2019 10:57	0.14			
SR4	8/9/2019 11:17	0.13				SR12	8/9/2019 11:17	0.14			
SR4	8/9/2019 11:37	0.15				SR12	8/9/2019 11:37	0.14			
SR4	8/9/2019 11:57	0.14				SR12	8/9/2019 11:57	0.15			
SR4	8/9/2019 12:17	0.13				SR12	8/9/2019 12:17	0.14			
SR4	8/9/2019 12:37	0.15				SR12	8/9/2019 12:37	0.15			
SR4	8/9/2019 12:57	0.15				SR12	8/9/2019 12:57	0.14			
SR4	8/9/2019 13:17	0.14				SR12	8/9/2019 13:17	0.15			
SR4	8/9/2019 13:37	0.13				SR12	8/9/2019 13:37	0.14			
SR4	8/9/2019 13:57	0.15				SR12	8/9/2019 13:57	0.13			
SR4	8/9/2019 14:17	0.15				SR12	8/9/2019 14:17	0.13			
SR4	8/9/2019 14:37	0.16				SR12	8/9/2019 14:37	0.15			
SR4	8/9/2019 14:57	0.16				SR12	8/9/2019 14:57	0.14			
SR4	8/9/2019 15:17	0.14				SR12	8/9/2019 15:17	0.15			
SR4	8/9/2019 15:37	0.15				SR12	8/9/2019 15:37	0.16			
SR4	8/9/2019 15:57	0.16				SR12	8/9/2019 15:57	0.15			
SR4	8/9/2019 16:17	0.16				SR12	8/9/2019 16:17	0.14			
SR4	8/9/2019 16:37	0.16				SR12	8/9/2019 16:37	0.15			
SR4	8/9/2019 16:57	0.15				SR12	8/9/2019 16:57	0.16			
SR4	8/9/2019 17:17	0.15				SR12	8/9/2019 17:17	0.16			
SR4	8/9/2019 17:37	0.16				SR12	8/9/2019 17:37	0.15			
SR4	8/9/2019 17:57	0.15				SR12	8/9/2019 17:57	0.16			
SR4	8/9/2019 18:17	0.14				SR12	8/9/2019 18:17	0.16			
SR4	8/9/2019 18:37	0.15				SR12	8/9/2019 18:37	0.14			
SR4	8/9/2019 18:57	0.16				SR12	8/9/2019 18:57	0.17			
SR4	8/9/2019 19:17	0.15				SR12	8/9/2019 19:17	0.17			
SR4	8/9/2019 19:37	0.16				SR12	8/9/2019 19:37	0.17			
SR4	8/9/2019 19:57	0.16				SR12	8/9/2019 19:57	0.17			
SR4	8/9/2019 20:17	0.17				SR12	8/9/2019 20:17	0.15			
SR4	8/9/2019 20:37	0.16				SR12	8/9/2019 20:37	0.17			
SR4	8/9/2019 20:57	0.17				SR12	8/9/2019 20:57	0.16			
SR4	8/9/2019 21:17	0.17				SR12	8/9/2019 21:17	0.16			
SR4	8/9/2019 21:37	0.15				SR12	8/9/2019 21:37	0.16			
SR4	8/9/2019 21:57	0.17				SR12	8/9/2019 21:57	0.15			
SR4	8/9/2019 22:17	0.17				SR12	8/9/2019 22:17	0.15			
SR4	8/9/2019 22:37	0.16				SR12	8/9/2019 22:37	0.18			
SR4	8/9/2019 22:57	0.16				SR12	8/9/2019 22:57	0.18			
SR4	8/9/2019 23:17	0.16				SR12	8/9/2019 23:17	0.17			
SR4	8/9/2019 23:37	0.16				SR12	8/9/2019 23:37	0.18			
SR4	8/9/2019 23:57	0.18				SR12	8/9/2019 23:57	0.17			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/10/2019 0:01	28.98	76.7	5.14	5.9	SR4	8/10/2019 6:01	28.93	70.3	4.71	5.6	SR4	8/10/2019 12:01	29.57	101.4	6.77	5.3	SR4	8/10/2019 18:01	29.88	96.3	6.45	7.8
SR4	8/10/2019 0:06	28.96	58.3	3.92	5.9	SR4	8/10/2019 6:06	28.98	68.4	4.59	5.7	SR4	8/10/2019 12:06	29.41	99.6	6.67	5.3	SR4	8/10/2019 18:06	29.89	90.2	6.06	7.7
SR4	8/10/2019 0:11	28.96	73.7	4.94	6.1	SR4	8/10/2019 6:11	28.57	65.9	4.41	5.5	SR4	8/10/2019 12:11	29.47	101.9	7.21	5.3	SR4	8/10/2019 18:11	29.85	93.9	6.29	7.6
SR4	8/10/2019 0:16	28.99	68.2	4.59	6.1	SR4	8/10/2019 6:16	28.92	67.6	4.54	5.8	SR4	8/10/2019 12:16	29.49	103.0	7.30	5.5	SR4	8/10/2019 18:16	29.85	91.6	6.16	7.0
SR4	8/10/2019 0:21	29.02	73.3	4.91	6.1	SR4	8/10/2019 6:21	28.94	64.9	4.35	5.6	SR4	8/10/2019 12:21	29.52	102.4	7.42	8.1	SR4	8/10/2019 18:21	29.75	103.5	6.95	7.3
SR4	8/10/2019 0:26	29.02	70.2	4.71	6.0	SR4	8/10/2019 6:26	28.96	65.7	4.41	5.5	SR4	8/10/2019 12:26	29.53	103.6	7.77	8.7	SR4	8/10/2019 18:26	29.88	80.3	5.41	7.5
SR4	8/10/2019 0:31	28.96	73.0	4.89	6.1	SR4	8/10/2019 6:31	28.92	67.2	4.51	5.5	SR4	8/10/2019 12:31	29.51	105.6	7.38	9.7	SR4	8/10/2019 18:31	29.82	88.0	5.91	7.6
SR4	8/10/2019 0:36	28.99	69.3	4.65	6.2	SR4	8/10/2019 6:36	28.72	67.6	4.52	5.5	SR4	8/10/2019 12:36	29.58	104.4	7.36	9.2	SR4	8/10/2019 18:36	29.82	83.3	5.60	7.9
SR4	8/10/2019 0:41	29.00	59.9	4.02	6.1	SR4	8/10/2019 6:41	28.82	68.2	4.57	5.5	SR4	8/10/2019 12:41	29.61	106.1	7.50	9.9	SR4	8/10/2019 18:41	29.85	85.6	5.75	8.1
SR4	8/10/2019 0:46	29.02	67.7	4.54	6.3	SR4	8/10/2019 6:46	28.82	68.2	4.56	5.3	SR4	8/10/2019 12:46	29.65	107.6	7.18	9.9	SR4	8/10/2019 18:46	29.84	79.7	5.35	7.9
SR4	8/10/2019 0:51	29.01	62.1	4.16	6.2	SR4	8/10/2019 6:51	28.90	71.9	4.81	5.3	SR4	8/10/2019 12:51	29.65	106.9	7.54	9.8	SR4	8/10/2019 18:51	29.84	76.0	5.10	8.0
SR4	8/10/2019 0:56	29.00	49.4	4.53	5.7	SR4	8/10/2019 6:56	28.91	69.1	4.63	5.3	SR4	8/10/2019 12:56	29.69	108.1	7.99	9.5	SR4	8/10/2019 18:56	29.83	71.0	4.77	8.2
SR4	8/10/2019 1:01	29.05	80.4	5.43	5.9	SR4	8/10/2019 7:01	28.90	70.1	4.70	5.3	SR4	8/10/2019 13:01	29.71	109.2	7.98	9.9	SR4	8/10/2019 19:01	29.82	66.4	4.46	7.6
SR4	8/10/2019 1:06	29.10	82.6	5.57	6.0	SR4	8/10/2019 7:06	28.92	68.5	4.59	5.5	SR4	8/10/2019 13:06	29.84	109.9	7.32	9.5	SR4	8/10/2019 19:06	29.79	69.7	4.69	8.3
SR4	8/10/2019 1:11	29.08	81.5	5.48	5.7	SR4	8/10/2019 7:11	28.64	60.9	4.07	5.4	SR4	8/10/2019 13:11	29.89	110.4	7.35	5.1	SR4	8/10/2019 19:11	29.79	77.6	5.21	8.2
SR4	8/10/2019 1:16	29.05	67.4	4.53	5.8	SR4	8/10/2019 7:16	28.74	62.5	4.18	5.2	SR4	8/10/2019 13:16	29.55	108.5	7.27	5.1	SR4	8/10/2019 19:16	29.84	73.4	4.93	8.3
SR4	8/10/2019 1:21	29.05	69.9	4.71	5.9	SR4	8/10/2019 7:21	28.59	60.9	4.07	5.4	SR4	8/10/2019 13:21	29.62	110.0	8.10	9.7	SR4	8/10/2019 19:21	29.75	68.7	4.62	7.5
SR4	8/10/2019 1:26	29.07	74.2	4.99	6.0	SR4	8/10/2019 7:26	28.92	53.7	4.58	5.4	SR4	8/10/2019 13:26	29.96	111.4	7.84	9.9	SR4	8/10/2019 19:26	29.80	78.4	5.27	8.2
SR4	8/10/2019 1:31	29.08	72.2	4.85	6.1	SR4	8/10/2019 7:31	28.60	60.5	4.04	5.1	SR4	8/10/2019 13:31	29.88	111.6	8.34	8.3	SR4	8/10/2019 19:31	29.81	85.4	5.72	8.1
SR4	8/10/2019 1:36	29.08	78.7	5.28	6.3	SR4	8/10/2019 7:36	28.70	59.7	3.99	5.1	SR4	8/10/2019 13:36	29.67	111.8	7.47	8.8	SR4	8/10/2019 19:36	29.80	79.5	5.34	8.0
SR4	8/10/2019 1:41	29.04	69.1	4.65	6.2	SR4	8/10/2019 7:41	28.66	60.6	4.06	5.5	SR4	8/10/2019 13:41	29.69	112.6	7.98	9.9	SR4	8/10/2019 19:41	29.68	58.1	3.92	8.1
SR4	8/10/2019 1:46	29.10	76.8	5.17	6.2	SR4	8/10/2019 7:46	28.68	60.4	4.04	5.4	SR4	8/10/2019 13:46	29.65	112.7	8.44	9.9	SR4	8/10/2019 19:46	29.79	64.5	4.33	8.2
SR4	8/10/2019 1:51	29.12	82.2	5.53	6.4	SR4	8/10/2019 7:51	28.65	60.4	4.04	5.4	SR4	8/10/2019 13:51	29.90	109.2	7.29	9.9	SR4	8/10/2019 19:51	29.63	55.5	4.80	8.1
SR4	8/10/2019 1:56	29.12	83.5	5.62	6.2	SR4	8/10/2019 7:56	28.80	45.1	4.61	5.2	SR4	8/10/2019 13:56	29.81	112.3	8.33	7.7	SR4	8/10/2019 19:56	29.76	77.3	5.20	8.0
SR4	8/10/2019 2:01	29.11	75.9	5.11	6.1	SR4	8/10/2019 8:01	28.87	57.3	3.84	5.1	SR4	8/10/2019 14:01	29.72	104.6	7.00	8.7	SR4	8/10/2019 20:01	29.73	81.3	5.46	8.5
SR4	8/10/2019 2:06	29.08	69.7	4.68	6.2	SR4	8/10/2019 8:06	28.82	72.1	4.83	5.4	SR4	8/10/2019 14:06	29.89	105.9	7.07	5.2	SR4	8/10/2019 20:06	29.77	88.8	5.95	8.6
SR4	8/10/2019 2:11	29.08	68.4	4.59	6.4	SR4	8/10/2019 8:11	28.81	74.6	5.00	5.6	SR4	8/10/2019 14:11	29.98	108.5	7.23	9.8	SR4	8/10/2019 20:11	29.74	82.6	5.55	8.0
SR4	8/10/2019 2:16	29.08	70.2	4.72	6.5	SR4	8/10/2019 8:16	28.85	75.3	5.05	5.3	SR4	8/10/2019 14:16	29.98	110.5	7.37	9.5	SR4	8/10/2019 20:16	29.72	87.8	5.89	8.2
SR4	8/10/2019 2:21	29.09	70.4	4.73	6.3	SR4	8/10/2019 8:21	28.92	78.4	5.27	5.5	SR4	8/10/2019 14:21	29.85	108.6	7.26	5.1	SR4	8/10/2019 20:21	29.69	80.9	5.44	7.7
SR4	8/10/2019 2:26	29.10	73.9	4.96	6.4	SR4	8/10/2019 8:26	28.91	77.0	5.17	5.5	SR4	8/10/2019 14:26	29.92	101.6	6.78	5.1	SR4	8/10/2019 20:26	29.67	88.2	5.93	8.2
SR4	8/10/2019 2:31	29.09	73.5	4.93	6.5	SR4	8/10/2019 8:31	28.92	77.8	5.22	5.5	SR4	8/10/2019 14:31	29.89	102.1	6.82	5.1	SR4	8/10/2019 20:31	29.57	72.1	4.87	8.2
SR4	8/10/2019 2:36	29.09	72.0	4.84	6.4	SR4	8/10/2019 8:36	28.90	75.4	5.05	5.5	SR4	8/10/2019 14:36	29.89	100.1	6.69	6.1	SR4	8/10/2019 20:36	29.48	64.7	4.39	8.1
SR4	8/10/2019 2:41	29.09	73.5	4.94	6.3	SR4	8/10/2019 8:41	28.95	74.6	5.01	5.5	SR4	8/10/2019 14:41	29.94	96.5	6.45	5.2	SR4	8/10/2019 20:41	29.69	88.7	5.96	8.2
SR4	8/10/2019 2:46	29.08	77.0	5.17	6.5	SR4	8/10/2019 8:46	28.93	74.8	5.02	5.3	SR4	8/10/2019 14:46	29.89	100.5	6.72	5.3	SR4	8/10/2019 20:46	29.53	70.8	4.79	8.2
SR4	8/10/2019 2:51	29.07	74.6	5.01	6.4	SR4	8/10/2019 8:51	28.93	75.2	5.05	5.3	SR4	8/10/2019 14:51	29.79	98.5	6.59	5.5	SR4	8/10/2019 20:51	29.66	83.8	5.63	8.4
SR4	8/10/2019 2:56	29.07	77.2	5.18	6.3	SR4	8/10/2019 8:56	28.90	77.2	5.18	5.6	SR4	8/10/2019 14:56	29.83	94.7	7.07	6.4	SR4	8/10/2019 20:56	29.69	82.9	5.57	8.4
SR4	8/10/2019 3:01	29.06	75.0	5.04	6.3	SR4	8/10/2019 9:01	28.98	71.1	4.77	5.3	SR4	8/10/2019 15:01	29.85	97.6	6.53	5.9	SR4	8/10/2019 21:01	29.58	63.7	4.30	8.0
SR4	8/10/2019 3:06	29.07	83.5	5.60	6.3	SR4	8/10/2019 9:06	28.98	76.6	5.13	5.4	SR4	8/10/2019 15:06	29.32	96.8	6.44	6.0	SR4	8/10/2019 21:06	29.28	33.6	4.59	8.2
SR4	8/10/2019 3:11	29.07	79.7	5.35	6.2	SR4	8/10/2019 9:11	29.04	76.3	5.11	5.2	SR4	8/10/2019 15:11	29.94	102.0	6.82	6.1	SR4	8/10/2019 21:11	29.62	81.8	4.59	8.4
SR4	8/10/2019 3:16	29.07	74.4	5.00	6.3	SR4	8/10/2019 9:16	29.08	77.2	5.17	5.1	SR4	8/10/2019 15:16	29.89	103.4	6.91	6.1	SR4	8/10/2019 21:16	29.46	40.2	4.50	7.9
SR4	8/10/2019 3:21	29.07	72.0	4.84	6.3	SR4	8/10/2019 9:21	29.03	74.6	5.00	5.1	SR4	8/10/2019 15:21	29.87	102.2	6.84	5.8	SR4	8/10/2019 21:21	29.56	67.9	4.57	8.7
SR4	8/10/2019 3:26	29.07	68.5	4.61	6.3	SR4	8/10/2019 9:26	29.09	75.0	5.02	9.2	SR4	8/10/2019 15:26	29.79	103.6	6.93	6.1	SR4	8/10/2019 21:26	29.62	77.0	5.17	8.6
SR4	8/10/2019 3:31	29.08	70.5	4.74	6.1	SR4	8/10/2019 9:31	29.10	78.0	5.23	5.3	SR4	8/10/2019 15:31	29.85	102.4	6.85	6.4	SR4	8/10/2019 21:31	29.45	63.2	4.31	8.6
SR4	8/10/2019 3:36	29.08	72.1	4.84	6.2	SR4	8/10/2019 9:36	29.06	80.9	5.42	5.2	SR4	8/10/2019 15:36	29.80	101.7	6.81	6.4	SR4	8/10/2019 21:36	29.63	80.5	5.41	8.7
SR4	8/10/2019 3:41	29.08	72.4	4.86	6.2	SR4	8/10/2019 9:41	29.04	78.6	5.27	5.2	SR4	8/10/2019 15:41	29.75	101.3	6.79	6.2	SR4	8/10/2019 21:41	29.50	63.9	4.32	8.8
SR4	8/10/2019 3:46	29.07	67.6	4.55	5.8	SR4	8/10/2019 9:46	29.06	79.3	5.32	5.3	SR4	8/10/2019 15:46	29.66	103.6	6.95	6.3	SR4	8/10/2019 21:46	29.44	29.8	4.87	8.9
SR4	8/10/2019 3:51	29.05	73.5	4.93	6.3	SR4	8/10/2019 9:51	29.08	80.7	5.42	5.2	SR4	8/10/2019 15:51	29.38	93.1	6.19	6.4	SR4	8/10/2019 21:51	29.50	52.4	4.76	8.9
SR4	8/10/2019 3:56	29.07	70.8	4.75																			

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/10/2019 0:00	30.19	72.0	5.63	6.2	SR5	8/10/2019 6:00	29.68	73.9	5.70	6.4	SR5	8/10/2019 12:00	30.03	88.8	6.40	6.7	SR5	8/10/2019 18:00	29.95	86.9	6.22	8.1
SR5	8/10/2019 0:05	30.17	72.1	5.64	4.8	SR5	8/10/2019 6:05	29.67	74.1	5.73	5.1	SR5	8/10/2019 12:05	29.96	87.8	6.33	5.9	SR5	8/10/2019 18:05	30.28	84.0	5.97	8.1
SR5	8/10/2019 0:10	30.21	72.0	5.63	4.6	SR5	8/10/2019 6:10	29.70	74.1	5.72	5.1	SR5	8/10/2019 12:10	29.98	89.0	6.68	5.4	SR5	8/10/2019 18:10	29.69	85.7	6.12	7.8
SR5	8/10/2019 0:15	30.20	72.0	5.62	3.5	SR5	8/10/2019 6:15	29.68	74.3	5.73	5.7	SR5	8/10/2019 12:15	29.98	89.6	6.74	6.7	SR5	8/10/2019 18:15	29.62	85.0	6.06	8.0
SR5	8/10/2019 0:20	30.20	72.1	5.64	5.0	SR5	8/10/2019 6:20	29.68	74.1	5.72	5.5	SR5	8/10/2019 12:20	30.00	89.1	6.81	7.3	SR5	8/10/2019 18:20	29.29	91.9	6.62	7.3
SR5	8/10/2019 0:25	30.19	71.9	5.61	5.5	SR5	8/10/2019 6:25	29.65	75.0	5.77	6.2	SR5	8/10/2019 12:25	30.01	89.7	7.04	7.8	SR5	8/10/2019 18:25	29.98	80.1	5.61	7.5
SR5	8/10/2019 0:30	30.20	72.3	5.67	5.3	SR5	8/10/2019 6:30	29.63	75.4	5.80	6.2	SR5	8/10/2019 12:30	29.99	90.7	6.79	8.9	SR5	8/10/2019 18:30	29.95	84.2	5.95	7.4
SR5	8/10/2019 0:35	30.18	71.8	5.61	5.1	SR5	8/10/2019 6:35	29.64	75.4	5.82	4.9	SR5	8/10/2019 12:35	29.99	90.2	6.78	7.9	SR5	8/10/2019 18:35	29.81	81.0	5.70	8.4
SR5	8/10/2019 0:40	30.19	71.6	5.59	7.0	SR5	8/10/2019 6:40	29.64	76.0	5.82	5.9	SR5	8/10/2019 12:40	30.02	91.3	6.88	9.0	SR5	8/10/2019 18:40	29.65	81.8	5.78	8.7
SR5	8/10/2019 0:45	30.15	71.9	5.62	3.9	SR5	8/10/2019 6:45	29.64	75.1	5.77	5.4	SR5	8/10/2019 12:45	30.11	91.4	6.64	9.1	SR5	8/10/2019 18:45	30.03	79.2	5.54	8.8
SR5	8/10/2019 0:50	30.17	67.8	4.65	7.0	SR5	8/10/2019 6:50	29.65	75.3	5.80	6.2	SR5	8/10/2019 12:50	30.04	91.0	6.87	7.8	SR5	8/10/2019 18:50	29.07	77.3	5.38	8.1
SR5	8/10/2019 0:55	30.19	61.2	4.88	6.6	SR5	8/10/2019 6:55	29.64	75.2	5.77	5.1	SR5	8/10/2019 12:55	30.35	91.2	7.15	8.3	SR5	8/10/2019 18:55	29.22	75.1	5.18	8.2
SR5	8/10/2019 1:00	30.14	76.7	5.46	5.9	SR5	8/10/2019 7:00	29.66	75.5	5.81	6.3	SR5	8/10/2019 13:00	30.24	92.3	7.17	8.1	SR5	8/10/2019 19:00	29.36	72.8	4.97	7.8
SR5	8/10/2019 1:05	30.14	77.8	5.55	6.7	SR5	8/10/2019 7:05	29.67	75.7	5.79	5.0	SR5	8/10/2019 13:05	30.25	92.7	6.74	8.9	SR5	8/10/2019 19:05	30.04	74.4	5.12	8.9
SR5	8/10/2019 1:10	30.13	77.3	5.50	5.6	SR5	8/10/2019 7:10	29.62	75.7	5.82	5.0	SR5	8/10/2019 13:10	30.31	93.0	6.76	5.6	SR5	8/10/2019 19:10	29.62	78.4	5.47	8.2
SR5	8/10/2019 1:15	30.14	71.4	5.60	5.7	SR5	8/10/2019 7:15	29.65	76.1	5.83	5.7	SR5	8/10/2019 13:15	30.25	92.5	6.73	5.8	SR5	8/10/2019 19:15	29.19	76.4	5.29	7.9
SR5	8/10/2019 1:20	30.09	71.8	5.64	4.3	SR5	8/10/2019 7:20	29.64	76.4	5.86	5.0	SR5	8/10/2019 13:20	30.17	93.4	7.28	8.3	SR5	8/10/2019 19:20	29.89	74.0	5.08	7.5
SR5	8/10/2019 1:25	30.00	71.8	5.64	6.1	SR5	8/10/2019 7:25	29.62	75.6	5.82	5.3	SR5	8/10/2019 13:25	30.45	93.9	7.10	9.0	SR5	8/10/2019 19:25	30.07	78.7	5.50	8.6
SR5	8/10/2019 1:30	29.84	71.9	5.65	5.3	SR5	8/10/2019 7:30	29.63	76.1	5.85	6.4	SR5	8/10/2019 13:30	30.24	93.9	7.42	7.6	SR5	8/10/2019 19:30	30.00	82.3	5.80	7.5
SR5	8/10/2019 1:35	29.84	72.4	5.67	6.1	SR5	8/10/2019 7:35	29.63	77.6	5.97	7.2	SR5	8/10/2019 13:35	30.28	94.1	6.86	8.0	SR5	8/10/2019 19:35	30.11	79.4	5.55	7.3
SR5	8/10/2019 1:40	29.85	71.8	5.62	5.2	SR5	8/10/2019 7:40	29.48	78.3	6.04	7.5	SR5	8/10/2019 13:40	30.18	94.5	7.19	8.9	SR5	8/10/2019 19:40	30.09	68.6	4.62	8.3
SR5	8/10/2019 1:45	29.88	72.0	5.62	3.7	SR5	8/10/2019 7:45	29.53	77.7	6.00	7.5	SR5	8/10/2019 13:45	30.24	94.5	7.48	8.4	SR5	8/10/2019 19:45	30.06	71.7	4.89	8.3
SR5	8/10/2019 1:50	29.91	72.3	5.64	4.1	SR5	8/10/2019 7:50	29.56	77.4	5.99	6.1	SR5	8/10/2019 13:50	30.22	92.7	6.73	7.7	SR5	8/10/2019 19:50	30.05	67.2	5.19	8.3
SR5	8/10/2019 1:55	29.93	72.4	5.65	4.1	SR5	8/10/2019 7:55	29.54	76.8	5.95	7.0	SR5	8/10/2019 13:55	30.27	94.2	7.41	8.5	SR5	8/10/2019 19:55	30.05	78.0	5.45	8.5
SR5	8/10/2019 2:00	29.93	72.1	5.62	5.2	SR5	8/10/2019 8:00	29.51	76.3	5.91	7.1	SR5	8/10/2019 14:00	30.33	90.3	6.54	7.3	SR5	8/10/2019 20:00	30.04	79.9	5.61	8.8
SR5	8/10/2019 2:05	29.99	73.0	5.70	4.4	SR5	8/10/2019 8:05	29.55	76.9	5.93	8.3	SR5	8/10/2019 14:05	30.31	91.0	6.59	6.9	SR5	8/10/2019 20:05	30.02	83.7	5.93	9.0
SR5	8/10/2019 2:10	29.95	72.8	5.67	3.5	SR5	8/10/2019 8:10	29.52	77.1	5.95	6.1	SR5	8/10/2019 14:10	30.38	92.2	6.69	9.0	SR5	8/10/2019 20:10	30.06	80.6	5.67	8.3
SR5	8/10/2019 2:15	29.94	73.1	5.70	4.7	SR5	8/10/2019 8:15	29.55	78.1	5.99	7.8	SR5	8/10/2019 14:15	30.31	93.0	6.77	8.6	SR5	8/10/2019 20:15	30.06	83.3	5.90	8.5
SR5	8/10/2019 2:20	29.98	73.5	5.73	3.9	SR5	8/10/2019 8:20	29.57	79.1	6.05	6.7	SR5	8/10/2019 14:20	30.31	92.0	6.69	5.3	SR5	8/10/2019 20:20	30.09	79.9	5.61	7.8
SR5	8/10/2019 2:25	29.97	73.4	5.72	5.8	SR5	8/10/2019 8:25	29.58	79.2	6.04	7.9	SR5	8/10/2019 14:25	30.31	88.4	6.38	5.8	SR5	8/10/2019 20:25	30.17	83.5	5.93	8.5
SR5	8/10/2019 2:30	29.99	73.0	5.68	5.4	SR5	8/10/2019 8:30	29.56	80.0	6.11	8.4	SR5	8/10/2019 14:30	30.31	88.4	6.39	6.5	SR5	8/10/2019 20:30	30.13	75.4	5.24	8.6
SR5	8/10/2019 2:35	29.91	72.8	5.67	4.7	SR5	8/10/2019 8:35	29.58	79.3	6.04	6.1	SR5	8/10/2019 14:35	30.30	87.5	6.31	6.1	SR5	8/10/2019 20:35	30.14	71.8	4.93	8.6
SR5	8/10/2019 2:40	29.89	72.6	5.68	5.0	SR5	8/10/2019 8:40	29.58	79.9	6.10	5.6	SR5	8/10/2019 14:40	30.26	85.4	6.14	5.7	SR5	8/10/2019 20:40	30.16	83.7	5.95	8.6
SR5	8/10/2019 2:45	29.96	72.4	5.66	6.7	SR5	8/10/2019 8:45	29.58	80.1	6.11	7.4	SR5	8/10/2019 14:45	30.30	87.4	6.32	5.8	SR5	8/10/2019 20:45	30.16	74.7	5.19	8.3
SR5	8/10/2019 2:50	29.63	72.2	5.64	4.4	SR5	8/10/2019 8:50	29.57	80.5	6.14	5.9	SR5	8/10/2019 14:50	30.31	86.3	6.23	6.3	SR5	8/10/2019 20:50	30.15	80.4	5.69	8.3
SR5	8/10/2019 2:55	29.85	71.8	5.62	5.2	SR5	8/10/2019 8:55	29.62	79.7	6.07	6.0	SR5	8/10/2019 14:55	30.28	84.2	6.53	6.8	SR5	8/10/2019 20:55	30.14	79.6	5.63	7.7
SR5	8/10/2019 3:00	29.49	71.9	5.63	5.9	SR5	8/10/2019 9:00	29.70	80.2	6.14	6.7	SR5	8/10/2019 15:00	30.32	85.7	6.18	6.3	SR5	8/10/2019 21:00	30.12	78.7	6.16	6.4
SR5	8/10/2019 3:05	29.56	71.9	5.63	6.1	SR5	8/10/2019 9:05	29.71	78.4	6.05	8.2	SR5	8/10/2019 15:05	30.33	85.5	6.13	6.2	SR5	8/10/2019 21:05	30.10	77.8	6.10	5.7
SR5	8/10/2019 3:10	29.42	72.1	5.65	6.4	SR5	8/10/2019 9:10	29.75	79.3	6.11	5.3	SR5	8/10/2019 15:10	30.37	88.1	6.38	6.8	SR5	8/10/2019 21:10	30.15	78.5	6.17	6.3
SR5	8/10/2019 3:15	29.24	71.7	5.61	6.1	SR5	8/10/2019 9:15	29.71	80.7	6.24	5.6	SR5	8/10/2019 15:15	30.42	88.7	6.43	7.6	SR5	8/10/2019 21:15	30.10	78.8	6.18	5.3
SR5	8/10/2019 3:20	29.28	72.2	5.65	6.7	SR5	8/10/2019 9:20	29.85	79.2	6.15	6.3	SR5	8/10/2019 15:20	30.36	88.3	6.40	6.8	SR5	8/10/2019 21:20	30.09	78.9	6.13	6.3
SR5	8/10/2019 3:25	29.13	72.4	5.64	6.6	SR5	8/10/2019 9:25	29.87	81.2	6.30	6.1	SR5	8/10/2019 15:25	30.06	88.9	6.45	7.0	SR5	8/10/2019 21:25	30.14	78.0	6.06	5.2
SR5	8/10/2019 3:30	29.12	72.5	5.65	4.7	SR5	8/10/2019 9:30	29.86	78.1	6.06	6.9	SR5	8/10/2019 15:30	30.11	88.6	6.41	6.2	SR5	8/10/2019 21:30	30.09	77.9	6.06	6.7
SR5	8/10/2019 3:35	29.11	73.2	5.71	5.1	SR5	8/10/2019 9:35	29.79	78.1	6.05	6.0	SR5	8/10/2019 15:35	30.00	88.3	6.39	6.5	SR5	8/10/2019 21:35	30.09	79.3	6.21	6.6
SR5	8/10/2019 3:40	29.09	73.2	5.71	4.8	SR5	8/10/2019 9:40	29.82	78.4	6.07	6.3	SR5	8/10/2019 15:40	29.98	88.3	6.39	7.3	SR5	8/10/2019 21:40	30.11	78.1	6.08	5.9
SR5	8/10/2019 3:45	29.14	73.3	5.72	5.8	SR5	8/10/2019 9:45	29.85	79.3	6.16	6.1	SR5	8/10/2019 15:45	30.04	90.0	6.52	7.4	SR5	8/10/2019 21:45	30.12	78.9	6.16	7.4
SR5	8/10/2019 3:50	29.14	73.4	5.72	4.1	SR5	8/10/2019 9:50	29.67	78.6	6.09	4.4	SR5	8/10/2019 15:50	30.12	85.0	6.04	7.7	SR5	8/10/2019 21:50	30.20	78.0	6.10	5.4
SR5	8/10/2019 3:55	29.15	73.2	5.71	6.3	SR5	8/10/2019 9:55	29															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/10/2019 0:01	28.80	69.2	5.18	7.7	SR12	8/10/2019 6:01	28.47	65.1	4.87	7.4	SR12	8/10/2019 12:01	29.04	66.9	4.60	7.8	SR12	8/10/2019 18:01	29.33	78.5	5.38	7.8
SR12	8/10/2019 0:06	28.77	63.7	4.77	7.3	SR12	8/10/2019 6:06	28.60	62.3	4.66	7.9	SR12	8/10/2019 12:06	29.04	66.8	4.59	8.3	SR12	8/10/2019 18:06	29.53	85.0	5.82	6.5
SR12	8/10/2019 0:11	28.79	69.1	5.17	7.0	SR12	8/10/2019 6:11	28.56	68.1	5.10	6.6	SR12	8/10/2019 12:11	29.09	69.6	4.78	7.5	SR12	8/10/2019 18:11	29.41	79.8	5.46	7.8
SR12	8/10/2019 0:16	28.71	65.6	4.91	6.9	SR12	8/10/2019 6:16	28.56	65.6	4.91	6.7	SR12	8/10/2019 12:16	29.08	70.7	4.86	8.6	SR12	8/10/2019 18:16	29.44	81.1	5.55	7.8
SR12	8/10/2019 0:21	28.72	65.7	4.92	6.6	SR12	8/10/2019 6:21	28.63	65.6	4.91	7.1	SR12	8/10/2019 12:21	29.09	71.3	4.90	8.3	SR12	8/10/2019 18:21	29.37	78.9	5.40	9.9
SR12	8/10/2019 0:26	28.73	66.4	4.97	8.5	SR12	8/10/2019 6:26	28.60	67.1	5.02	7.2	SR12	8/10/2019 12:26	29.12	71.8	4.93	6.9	SR12	8/10/2019 18:26	29.17	67.8	4.64	6.7
SR12	8/10/2019 0:31	28.75	68.1	5.10	8.5	SR12	8/10/2019 6:31	28.57	69.5	5.20	6.9	SR12	8/10/2019 12:31	29.14	71.0	4.88	7.1	SR12	8/10/2019 18:31	29.21	71.9	4.92	7.4
SR12	8/10/2019 0:36	28.71	65.9	4.93	7.6	SR12	8/10/2019 6:36	28.69	64.4	4.82	6.4	SR12	8/10/2019 12:36	29.14	68.9	4.74	7.6	SR12	8/10/2019 18:36	29.32	75.9	5.20	19.3
SR12	8/10/2019 0:41	28.79	65.7	4.92	6.6	SR12	8/10/2019 6:41	28.63	68.1	5.10	6.9	SR12	8/10/2019 12:41	29.14	68.1	4.68	7.7	SR12	8/10/2019 18:41	29.37	78.4	5.37	8.6
SR12	8/10/2019 0:46	28.72	62.4	4.67	7.2	SR12	8/10/2019 6:46	28.67	63.3	4.74	8.4	SR12	8/10/2019 12:46	29.11	66.4	4.70	6.6	SR12	8/10/2019 18:46	29.44	81.1	5.55	7.5
SR12	8/10/2019 0:51	28.72	62.0	4.64	8.1	SR12	8/10/2019 6:51	28.72	61.3	4.59	8.0	SR12	8/10/2019 12:51	29.12	68.4	4.70	7.2	SR12	8/10/2019 18:51	29.24	73.7	5.05	7.2
SR12	8/10/2019 0:56	28.64	64.4	4.82	7.4	SR12	8/10/2019 6:56	28.54	67.9	5.08	8.5	SR12	8/10/2019 12:56	29.17	69.7	4.79	7.4	SR12	8/10/2019 18:56	29.40	76.8	5.26	7.0
SR12	8/10/2019 1:01	28.55	65.3	4.89	7.8	SR12	8/10/2019 7:01	28.58	66.4	4.97	7.5	SR12	8/10/2019 13:01	29.18	70.3	4.83	6.7	SR12	8/10/2019 19:01	29.53	78.9	5.40	7.4
SR12	8/10/2019 1:06	28.67	66.5	4.98	8.6	SR12	8/10/2019 7:06	28.62	62.1	4.65	7.0	SR12	8/10/2019 13:06	29.19	71.0	4.88	7.9	SR12	8/10/2019 19:06	29.31	72.3	4.93	7.0
SR12	8/10/2019 1:11	28.68	66.4	4.97	7.4	SR12	8/10/2019 7:11	28.69	69.1	5.17	6.6	SR12	8/10/2019 13:11	29.28	73.5	5.05	8.3	SR12	8/10/2019 19:11	29.31	70.5	4.82	8.4
SR12	8/10/2019 1:16	28.62	65.1	4.87	8.1	SR12	8/10/2019 7:16	28.67	63.3	4.74	8.4	SR12	8/10/2019 13:16	29.26	70.7	4.86	7.6	SR12	8/10/2019 19:16	29.23	71.4	4.88	6.8
SR12	8/10/2019 1:21	28.60	67.3	5.04	8.2	SR12	8/10/2019 7:21	28.63	66.7	4.99	8.2	SR12	8/10/2019 13:21	29.27	71.3	4.90	7.8	SR12	8/10/2019 19:21	29.47	76.1	5.21	8.5
SR12	8/10/2019 1:26	28.64	69.2	5.18	6.9	SR12	8/10/2019 7:26	28.59	66.1	4.95	7.4	SR12	8/10/2019 13:26	29.28	70.8	4.86	6.5	SR12	8/10/2019 19:26	29.48	79.9	5.48	7.6
SR12	8/10/2019 1:31	28.68	63.6	4.76	8.6	SR12	8/10/2019 7:31	28.64	68.5	5.13	6.5	SR12	8/10/2019 13:31	29.28	70.4	4.84	6.7	SR12	8/10/2019 19:31	29.46	79.6	5.46	7.8
SR12	8/10/2019 1:36	28.69	67.5	5.05	7.6	SR12	8/10/2019 7:36	28.74	65.9	4.93	6.7	SR12	8/10/2019 13:36	29.24	69.6	4.78	7.7	SR12	8/10/2019 19:36	29.35	73.3	5.02	7.8
SR12	8/10/2019 1:41	28.62	64.9	4.86	13.9	SR12	8/10/2019 7:41	28.81	66.7	4.99	7.0	SR12	8/10/2019 13:41	29.35	73.4	5.04	7.7	SR12	8/10/2019 19:41	29.48	78.0	5.35	7.7
SR12	8/10/2019 1:46	28.65	66.8	5.00	6.8	SR12	8/10/2019 7:46	28.51	68.4	5.12	6.8	SR12	8/10/2019 13:46	29.33	71.8	4.93	6.1	SR12	8/10/2019 19:46	29.46	77.5	5.31	8.1
SR12	8/10/2019 1:51	28.62	63.7	4.77	6.6	SR12	8/10/2019 7:51	28.66	64.1	4.80	8.6	SR12	8/10/2019 13:51	29.40	77.1	5.29	7.7	SR12	8/10/2019 19:51	29.53	76.7	5.26	7.4
SR12	8/10/2019 1:56	28.55	62.0	4.64	6.3	SR12	8/10/2019 7:56	28.67	67.1	5.02	7.2	SR12	8/10/2019 13:56	29.43	77.2	5.29	6.6	SR12	8/10/2019 19:56	29.54	76.7	5.26	6.9
SR12	8/10/2019 2:01	28.41	62.8	4.70	7.4	SR12	8/10/2019 8:01	28.60	68.8	5.15	6.5	SR12	8/10/2019 14:01	29.43	77.1	5.29	7.7	SR12	8/10/2019 20:01	29.49	73.7	5.05	8.8
SR12	8/10/2019 2:06	28.44	68.0	5.09	8.0	SR12	8/10/2019 8:06	28.54	64.4	4.82	7.5	SR12	8/10/2019 14:06	29.42	78.3	5.37	7.7	SR12	8/10/2019 20:06	29.47	72.9	5.00	8.2
SR12	8/10/2019 2:11	28.17	62.4	4.67	6.8	SR12	8/10/2019 8:11	28.65	62.5	4.68	7.4	SR12	8/10/2019 14:11	29.61	81.9	5.60	6.2	SR12	8/10/2019 20:11	29.46	70.5	4.84	7.6
SR12	8/10/2019 2:16	28.48	61.7	4.62	7.7	SR12	8/10/2019 8:16	28.72	62.3	4.66	7.0	SR12	8/10/2019 14:16	29.57	78.4	5.37	8.4	SR12	8/10/2019 20:16	29.53	74.3	5.10	7.9
SR12	8/10/2019 2:21	28.38	69.6	5.21	7.2	SR12	8/10/2019 8:21	28.58	67.7	5.07	6.4	SR12	8/10/2019 14:21	29.53	77.4	5.30	7.9	SR12	8/10/2019 20:21	29.49	71.5	4.90	8.2
SR12	8/10/2019 2:26	28.28	67.6	5.06	6.1	SR12	8/10/2019 8:26	28.56	62.9	4.71	7.3	SR12	8/10/2019 14:26	29.57	79.8	5.47	8.2	SR12	8/10/2019 20:26	29.49	70.5	4.84	7.5
SR12	8/10/2019 2:31	28.30	62.8	4.70	5.6	SR12	8/10/2019 8:31	28.67	66.4	4.97	6.5	SR12	8/10/2019 14:31	29.53	79.5	5.45	7.8	SR12	8/10/2019 20:31	29.49	71.0	4.88	7.4
SR12	8/10/2019 2:36	28.20	68.4	5.12	8.1	SR12	8/10/2019 8:36	28.64	61.6	4.61	7.7	SR12	8/10/2019 14:36	29.64	81.6	5.59	6.4	SR12	8/10/2019 20:36	29.50	71.2	4.89	6.5
SR12	8/10/2019 2:41	28.32	68.9	5.16	6.7	SR12	8/10/2019 8:41	28.68	63.5	4.75	7.8	SR12	8/10/2019 14:41	29.54	77.5	5.31	7.8	SR12	8/10/2019 20:41	29.43	69.1	4.74	6.9
SR12	8/10/2019 2:46	28.26	63.7	4.77	6.3	SR12	8/10/2019 8:46	28.68	63.6	4.76	8.0	SR12	8/10/2019 14:46	29.62	81.1	5.55	7.9	SR12	8/10/2019 20:46	29.45	68.1	4.67	7.6
SR12	8/10/2019 2:51	28.28	69.6	5.21	6.7	SR12	8/10/2019 8:51	28.76	62.7	4.69	7.2	SR12	8/10/2019 14:51	29.60	80.3	5.50	7.6	SR12	8/10/2019 20:51	29.48	69.1	4.74	7.1
SR12	8/10/2019 2:56	28.46	62.7	4.69	7.5	SR12	8/10/2019 8:56	28.79	69.1	5.17	7.7	SR12	8/10/2019 14:56	29.73	84.7	5.79	8.1	SR12	8/10/2019 20:56	29.47	68.3	4.69	7.8
SR12	8/10/2019 3:01	28.47	63.7	4.77	7.1	SR12	8/10/2019 9:01	28.63	62.8	4.70	7.5	SR12	8/10/2019 15:01	29.60	76.2	5.21	7.1	SR12	8/10/2019 21:01	29.49	70.8	4.86	8.2
SR12	8/10/2019 3:06	28.33	69.2	5.18	8.3	SR12	8/10/2019 9:06	28.65	65.5	4.90	6.9	SR12	8/10/2019 15:06	29.66	82.8	5.67	7.8	SR12	8/10/2019 21:06	29.42	67.6	4.63	8.5
SR12	8/10/2019 3:11	28.28	67.2	5.03	8.1	SR12	8/10/2019 9:11	28.65	68.0	5.09	7.2	SR12	8/10/2019 15:11	29.63	84.3	5.77	8.2	SR12	8/10/2019 21:11	29.43	67.8	4.65	7.1
SR12	8/10/2019 3:16	28.50	69.2	5.18	6.3	SR12	8/10/2019 9:16	28.68	67.1	5.02	6.6	SR12	8/10/2019 15:16	29.67	84.5	5.78	6.6	SR12	8/10/2019 21:16	29.47	71.2	4.89	7.1
SR12	8/10/2019 3:21	28.44	62.3	4.66	8.1	SR12	8/10/2019 9:21	28.69	68.4	5.12	7.6	SR12	8/10/2019 15:21	29.59	80.6	5.52	7.4	SR12	8/10/2019 21:21	29.47	70.6	4.84	6.8
SR12	8/10/2019 3:26	28.53	69.1	5.17	8.0	SR12	8/10/2019 9:26	28.83	66.8	4.58	7.2	SR12	8/10/2019 15:26	29.65	82.4	5.64	6.2	SR12	8/10/2019 21:26	29.44	70.9	4.87	6.7
SR12	8/10/2019 3:31	28.56	65.5	4.90	7.9	SR12	8/10/2019 9:31	28.76	62.3	4.66	7.6	SR12	8/10/2019 15:31	29.63	81.1	5.55	8.4	SR12	8/10/2019 21:31	29.42	67.6	4.63	7.1
SR12	8/10/2019 3:36	28.58	65.6	4.91	6.6	SR12	8/10/2019 9:36	28.85	67.7	4.65	6.9	SR12	8/10/2019 15:36	29.59	82.6	5.66	7.3	SR12	8/10/2019 21:36	29.36	69.5	4.78	7.1
SR12	8/10/2019 3:41	28.60	63.1	4.72	6.0	SR12	8/10/2019 9:41	28.77	68.5	5.13	7.0	SR12	8/10/2019 15:41	29.52	80.2	5.49	7.4	SR12	8/10/2019 21:41	29.21	65.2	4.88	6.6
SR12	8/10/2019 3:46	28.63	67.2	5.03	6.0	SR12	8/10/2019 9:46	28.77	63.7	4.77	6.8	SR12	8/10/2019 15:46	29.31	75.2	5.16	7.7	SR12	8/10/2019 21:46	29.24	67.0	4.61	7.5
SR12	8/10/2019 3:51	28.74	68.8	5.15	6.8	SR12	8/10/2019 9:51	28.82	69.5	5.20	7.6	SR12	8/10/2019 15:51	29.36									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/10/2019 0:00	29.41	72.3	5.50	6.8	SR13	8/10/2019 6:00	29.21	71.0	5.38	7.1	SR13	8/10/2019 12:00	29.63	80.3	5.75	7.2	SR13	8/10/2019 18:00	29.69	80.5	5.73	8.1
SR13	8/10/2019 0:05	29.42	73.1	5.56	5.8	SR13	8/10/2019 6:05	29.19	70.8	5.37	6.2	SR13	8/10/2019 12:05	29.60	79.9	5.72	6.4	SR13	8/10/2019 18:05	29.81	81.0	5.76	7.6
SR13	8/10/2019 0:10	29.46	70.7	5.38	6.2	SR13	8/10/2019 6:10	29.22	71.8	5.44	6.2	SR13	8/10/2019 12:10	29.60	80.6	5.87	6.3	SR13	8/10/2019 18:10	29.59	81.5	5.80	7.6
SR13	8/10/2019 0:15	29.45	72.2	5.49	5.4	SR13	8/10/2019 6:15	29.26	70.7	5.36	6.1	SR13	8/10/2019 12:15	29.58	80.5	5.87	7.1	SR13	8/10/2019 18:15	29.52	79.0	5.62	7.6
SR13	8/10/2019 0:20	29.43	71.2	5.43	8.5	SR13	8/10/2019 6:20	29.28	71.0	5.38	6.3	SR13	8/10/2019 12:20	29.63	81.8	6.00	7.4	SR13	8/10/2019 18:20	29.46	83.2	5.94	7.2
SR13	8/10/2019 0:25	29.43	71.9	5.46	5.5	SR13	8/10/2019 6:25	29.15	72.0	5.45	6.5	SR13	8/10/2019 12:25	29.62	81.3	6.03	6.8	SR13	8/10/2019 18:25	29.69	78.7	5.57	7.4
SR13	8/10/2019 0:30	29.42	70.8	5.40	6.2	SR13	8/10/2019 6:30	29.21	70.4	5.34	7.3	SR13	8/10/2019 12:30	29.63	83.6	6.08	7.9	SR13	8/10/2019 18:30	29.71	79.8	5.66	7.2
SR13	8/10/2019 0:35	29.38	69.9	5.32	5.9	SR13	8/10/2019 6:35	29.21	71.6	5.43	6.0	SR13	8/10/2019 12:35	29.64	83.6	6.08	7.1	SR13	8/10/2019 18:35	29.67	78.6	5.57	7.5
SR13	8/10/2019 0:40	29.32	70.2	5.34	6.4	SR13	8/10/2019 6:40	29.18	72.5	5.49	6.3	SR13	8/10/2019 12:40	29.64	83.7	6.10	8.0	SR13	8/10/2019 18:40	29.59	77.6	5.51	7.4
SR13	8/10/2019 0:45	29.31	72.2	5.49	5.1	SR13	8/10/2019 6:45	29.19	71.2	5.39	6.7	SR13	8/10/2019 12:45	29.66	84.2	6.04	8.0	SR13	8/10/2019 18:45	29.72	76.2	5.39	7.8
SR13	8/10/2019 0:50	29.21	68.4	4.98	6.6	SR13	8/10/2019 6:50	29.24	70.3	5.33	6.9	SR13	8/10/2019 12:50	29.73	85.9	6.25	7.1	SR13	8/10/2019 18:50	29.38	74.7	5.28	7.4
SR13	8/10/2019 0:55	29.33	65.8	5.04	6.5	SR13	8/10/2019 6:55	29.25	69.8	5.28	6.4	SR13	8/10/2019 12:55	29.80	84.1	6.23	8.1	SR13	8/10/2019 18:55	29.46	75.4	5.31	7.4
SR13	8/10/2019 1:00	29.28	74.4	5.48	6.5	SR13	8/10/2019 7:00	29.20	72.4	5.48	6.1	SR13	8/10/2019 13:00	29.73	84.1	6.20	7.7	SR13	8/10/2019 19:00	29.49	73.4	5.15	7.6
SR13	8/10/2019 1:05	29.23	73.6	5.43	6.4	SR13	8/10/2019 7:05	29.20	70.6	5.34	6.3	SR13	8/10/2019 13:05	29.74	85.1	6.12	8.0	SR13	8/10/2019 19:05	29.73	73.6	5.18	7.7
SR13	8/10/2019 1:10	29.23	71.6	5.27	5.1	SR13	8/10/2019 7:10	29.24	72.2	5.47	6.2	SR13	8/10/2019 13:10	29.78	85.6	6.15	6.8	SR13	8/10/2019 19:10	29.58	75.1	5.31	7.6
SR13	8/10/2019 1:15	29.19	71.7	5.47	6.4	SR13	8/10/2019 7:15	29.25	70.3	5.31	6.9	SR13	8/10/2019 13:15	29.79	86.0	6.18	6.2	SR13	8/10/2019 19:15	29.44	74.5	5.25	6.9
SR13	8/10/2019 1:20	29.22	72.2	5.51	5.5	SR13	8/10/2019 7:20	29.27	71.4	5.40	6.5	SR13	8/10/2019 13:20	29.72	84.6	6.25	7.8	SR13	8/10/2019 19:20	29.65	72.7	5.12	7.0
SR13	8/10/2019 1:25	29.17	70.3	5.37	5.7	SR13	8/10/2019 7:25	29.26	71.2	5.39	6.6	SR13	8/10/2019 13:25	29.84	86.3	6.29	8.0	SR13	8/10/2019 19:25	29.72	74.0	5.24	7.6
SR13	8/10/2019 1:30	29.11	72.9	5.56	5.8	SR13	8/10/2019 7:30	29.30	70.9	5.36	6.4	SR13	8/10/2019 13:30	29.76	85.9	6.38	7.5	SR13	8/10/2019 19:30	29.71	75.7	5.37	7.1
SR13	8/10/2019 1:35	29.19	70.3	5.36	6.5	SR13	8/10/2019 7:35	29.30	73.8	5.58	7.3	SR13	8/10/2019 13:35	29.82	87.7	6.29	7.7	SR13	8/10/2019 19:35	29.74	74.3	5.26	7.3
SR13	8/10/2019 1:40	29.19	70.5	5.38	5.7	SR13	8/10/2019 7:40	29.20	72.1	5.46	7.3	SR13	8/10/2019 13:40	29.72	84.4	6.18	7.6	SR13	8/10/2019 19:40	29.75	71.6	5.01	7.9
SR13	8/10/2019 1:45	29.14	72.8	5.54	5.7	SR13	8/10/2019 7:45	29.22	72.8	5.52	7.2	SR13	8/10/2019 13:45	29.76	87.1	6.47	7.8	SR13	8/10/2019 19:45	29.70	71.4	5.01	8.0
SR13	8/10/2019 1:50	29.13	72.2	5.50	5.9	SR13	8/10/2019 7:50	29.23	73.8	5.60	6.8	SR13	8/10/2019 13:50	29.73	86.9	6.23	7.4	SR13	8/10/2019 19:50	29.71	69.8	5.12	7.4
SR13	8/10/2019 1:55	29.22	73.0	5.55	5.7	SR13	8/10/2019 7:55	29.24	73.3	5.56	6.4	SR13	8/10/2019 13:55	29.76	87.3	6.46	7.1	SR13	8/10/2019 19:55	29.72	74.9	5.30	7.6
SR13	8/10/2019 2:00	29.20	70.1	5.34	6.2	SR13	8/10/2019 8:00	29.23	73.8	5.60	7.0	SR13	8/10/2019 14:00	29.73	84.1	6.03	7.1	SR13	8/10/2019 20:00	29.71	75.0	5.31	7.6
SR13	8/10/2019 2:05	29.26	73.1	5.57	5.6	SR13	8/10/2019 8:05	29.30	73.3	5.38	7.1	SR13	8/10/2019 14:05	29.76	85.5	6.13	6.7	SR13	8/10/2019 20:05	29.69	76.4	5.43	7.3
SR13	8/10/2019 2:10	29.25	71.8	5.46	5.7	SR13	8/10/2019 8:10	29.26	71.5	5.42	6.6	SR13	8/10/2019 14:10	29.78	85.5	6.13	8.1	SR13	8/10/2019 20:10	29.70	74.1	5.25	7.3
SR13	8/10/2019 2:15	29.25	71.9	5.47	6.0	SR13	8/10/2019 8:15	29.31	73.8	5.41	7.1	SR13	8/10/2019 14:15	29.74	86.0	6.18	7.7	SR13	8/10/2019 20:15	29.67	75.8	5.39	7.6
SR13	8/10/2019 2:20	29.27	71.0	5.41	5.1	SR13	8/10/2019 8:20	29.28	74.5	5.63	6.4	SR13	8/10/2019 14:20	29.73	84.2	6.04	6.6	SR13	8/10/2019 20:20	29.62	72.8	5.33	6.9
SR13	8/10/2019 2:25	29.28	72.6	5.53	6.0	SR13	8/10/2019 8:25	29.27	72.4	5.46	6.5	SR13	8/10/2019 14:25	29.65	80.7	5.78	6.6	SR13	8/10/2019 20:25	29.66	74.9	5.34	7.7
SR13	8/10/2019 2:30	29.33	73.2	5.57	6.2	SR13	8/10/2019 8:30	29.28	74.9	5.65	7.8	SR13	8/10/2019 14:30	29.68	80.5	5.78	7.2	SR13	8/10/2019 20:30	29.69	72.6	5.13	7.5
SR13	8/10/2019 2:35	29.36	72.7	5.36	6.7	SR13	8/10/2019 8:35	29.30	73.9	5.41	6.7	SR13	8/10/2019 14:35	29.64	80.3	5.75	6.6	SR13	8/10/2019 20:35	29.69	71.9	5.07	7.6
SR13	8/10/2019 2:40	29.34	72.3	5.35	6.4	SR13	8/10/2019 8:40	29.27	72.7	5.49	6.3	SR13	8/10/2019 14:40	29.69	81.9	5.85	6.9	SR13	8/10/2019 20:40	29.66	75.2	5.52	7.5
SR13	8/10/2019 2:45	29.33	71.8	5.47	7.7	SR13	8/10/2019 8:45	29.29	74.6	5.63	7.1	SR13	8/10/2019 14:45	29.72	82.3	5.89	6.5	SR13	8/10/2019 20:45	29.67	72.1	5.10	7.7
SR13	8/10/2019 2:50	29.27	72.9	5.55	6.1	SR13	8/10/2019 8:50	29.30	74.1	5.43	6.5	SR13	8/10/2019 14:50	29.71	81.4	5.83	6.9	SR13	8/10/2019 20:50	29.65	71.8	5.26	7.9
SR13	8/10/2019 2:55	29.31	70.9	5.40	6.7	SR13	8/10/2019 8:55	29.32	74.3	5.43	6.3	SR13	8/10/2019 14:55	29.70	81.1	5.96	7.0	SR13	8/10/2019 20:55	29.66	74.1	5.44	6.7
SR13	8/10/2019 3:00	29.22	70.8	5.41	5.9	SR13	8/10/2019 9:00	29.36	74.9	5.49	6.6	SR13	8/10/2019 15:00	29.67	78.5	5.62	6.7	SR13	8/10/2019 21:00	29.62	73.4	5.59	6.7
SR13	8/10/2019 3:05	29.20	72.3	5.51	5.9	SR13	8/10/2019 9:05	29.37	74.1	5.44	7.4	SR13	8/10/2019 15:05	29.68	78.4	5.60	6.4	SR13	8/10/2019 21:05	29.62	72.7	5.38	5.8
SR13	8/10/2019 3:10	29.18	70.4	5.38	6.4	SR13	8/10/2019 9:10	29.37	74.3	5.63	6.1	SR13	8/10/2019 15:10	29.70	79.1	5.68	7.0	SR13	8/10/2019 21:10	29.65	71.6	5.47	6.8
SR13	8/10/2019 3:15	29.09	70.3	5.36	6.4	SR13	8/10/2019 9:15	29.37	74.9	5.52	7.1	SR13	8/10/2019 15:15	29.68	80.0	5.74	7.3	SR13	8/10/2019 21:15	29.61	71.2	5.43	6.8
SR13	8/10/2019 3:20	29.06	72.1	5.50	6.4	SR13	8/10/2019 9:20	29.43	75.0	5.53	7.0	SR13	8/10/2019 15:20	29.63	77.3	5.56	7.2	SR13	8/10/2019 21:20	29.61	73.1	5.56	6.8
SR13	8/10/2019 3:25	29.04	72.4	5.51	6.4	SR13	8/10/2019 9:25	29.43	75.2	5.55	6.8	SR13	8/10/2019 15:25	29.57	79.3	5.70	7.2	SR13	8/10/2019 21:25	29.67	73.7	5.43	5.8
SR13	8/10/2019 3:30	29.05	72.2	5.49	6.1	SR13	8/10/2019 9:30	29.43	74.7	5.50	7.2	SR13	8/10/2019 15:30	29.62	81.4	5.84	6.9	SR13	8/10/2019 21:30	29.66	74.8	5.51	6.5
SR13	8/10/2019 3:35	29.08	72.2	5.49	5.9	SR13	8/10/2019 9:35	29.41	74.3	5.47	6.6	SR13	8/10/2019 15:35	29.52	77.6	5.74	7.2	SR13	8/10/2019 21:35	29.64	71.3	5.44	7.1
SR13	8/10/2019 3:40	29.02	69.7	5.31	5.8	SR13	8/10/2019 9:40	29.42	74.3	5.47	6.4	SR13	8/10/2019 15:40	29.55	80.0	5.74	7.7	SR13	8/10/2019 21:40	29.61	72.0	5.48	6.1
SR13	8/10/2019 3:45	29.09	72.8	5.54	6.3	SR13	8/10/2019 9:45	29.43	74.4	5.65	6.2	SR13	8/10/2019 15:45	29.57	82.1	5.90	7.3	SR13	8/10/2019 21:45	29.62	71.2	5.42	7.0
SR13	8/10/2019 3:50	29.04	72.3	5.50	5.5	SR13	8/10/2019 9:50	29.36	74.2	5.47	6.0	SR13	8/10/2019 15:50	29.62									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/10/2019 0:17	0.16				SR12	8/10/2019 0:17	0.18			
SR4	8/10/2019 0:37	0.17				SR12	8/10/2019 0:37	0.16			
SR4	8/10/2019 0:57	0.17				SR12	8/10/2019 0:57	0.16			
SR4	8/10/2019 1:17	0.16				SR12	8/10/2019 1:17	0.17			
SR4	8/10/2019 1:37	0.18				SR12	8/10/2019 1:37	0.18			
SR4	8/10/2019 1:57	0.18				SR12	8/10/2019 1:57	0.17			
SR4	8/10/2019 2:17	0.18				SR12	8/10/2019 2:17	0.17			
SR4	8/10/2019 2:37	0.18				SR12	8/10/2019 2:37	0.19			
SR4	8/10/2019 2:57	0.19				SR12	8/10/2019 2:57	0.18			
SR4	8/10/2019 3:17	0.17				SR12	8/10/2019 3:17	0.18			
SR4	8/10/2019 3:37	0.19				SR12	8/10/2019 3:37	0.18			
SR4	8/10/2019 3:57	0.18				SR12	8/10/2019 3:57	0.20			
SR4	8/10/2019 4:17	0.19				SR12	8/10/2019 4:17	0.18			
SR4	8/10/2019 4:37	0.18				SR12	8/10/2019 4:37	0.18			
SR4	8/10/2019 4:57	0.19				SR12	8/10/2019 4:57	0.20			
SR4	8/10/2019 5:17	0.20				SR12	8/10/2019 5:17	0.18			
SR4	8/10/2019 5:37	0.23				SR12	8/10/2019 5:37	0.20			
SR4	8/10/2019 5:57	0.21				SR12	8/10/2019 5:57	0.20			
SR4						SR12					
SR4	8/10/2019 6:37	0.23				SR12	8/10/2019 6:37	0.19			
SR4	8/10/2019 6:57	0.23				SR12	8/10/2019 6:57	0.21			
SR4	8/10/2019 7:17	0.23				SR12	8/10/2019 7:17	0.22			
SR4	8/10/2019 7:37	0.21				SR12	8/10/2019 7:37	0.20			
SR4	8/10/2019 7:57	0.21				SR12	8/10/2019 7:57	0.19			
SR4	8/10/2019 8:17	0.23				SR12	8/10/2019 8:17	0.20			
SR4	8/10/2019 8:37	0.25				SR12	8/10/2019 8:37	0.20			
SR4	8/10/2019 8:57	0.26				SR12	8/10/2019 8:57	0.23			
SR4	8/10/2019 9:17	0.26				SR12	8/10/2019 9:17	0.21			
SR4	8/10/2019 9:37	0.24				SR12	8/10/2019 9:37	0.20			
SR4	8/10/2019 9:57	0.24				SR12	8/10/2019 9:57	0.21			
SR4	8/10/2019 10:17	0.25				SR12	8/10/2019 10:17	0.23			
SR4	8/10/2019 10:37	0.24				SR12	8/10/2019 10:37	0.22			
SR4	8/10/2019 10:57	0.26				SR12	8/10/2019 10:57	0.20			
SR4	8/10/2019 11:17	0.27				SR12	8/10/2019 11:17	0.22			
SR4	8/10/2019 11:37	0.27				SR12	8/10/2019 11:37	0.22			
SR4	8/10/2019 11:57	0.27				SR12	8/10/2019 11:57	0.23			
SR4	8/10/2019 12:17	0.26				SR12	8/10/2019 12:17	0.22			
SR4	8/10/2019 12:37	0.27				SR12	8/10/2019 12:37	0.20			
SR4	8/10/2019 12:57	0.26				SR12	8/10/2019 12:57	0.23			
SR4	8/10/2019 13:17	0.27				SR12	8/10/2019 13:17	0.20			
SR4	8/10/2019 13:37	0.28				SR12	8/10/2019 13:37	0.22			
SR4	8/10/2019 13:57	0.27				SR12	8/10/2019 13:57	0.21			
SR4	8/10/2019 14:17	0.26				SR12	8/10/2019 14:17	0.22			
SR4	8/10/2019 14:37	0.27				SR12	8/10/2019 14:37	0.20			
SR4	8/10/2019 14:57	0.25				SR12	8/10/2019 14:57	0.22			
SR4	8/10/2019 15:17	0.24				SR12	8/10/2019 15:17	0.21			
SR4	8/10/2019 15:37	0.22				SR12	8/10/2019 15:37	0.21			
SR4	8/10/2019 15:57	0.22				SR12	8/10/2019 15:57	0.20			
SR4	8/10/2019 16:17	0.22				SR12	8/10/2019 16:17	0.20			
SR4	8/10/2019 16:37	0.21				SR12	8/10/2019 16:37	0.21			
SR4	8/10/2019 16:57	0.22				SR12	8/10/2019 16:57	0.20			
SR4	8/10/2019 17:17	0.20				SR12	8/10/2019 17:17	0.20			
SR4	8/10/2019 17:37	0.21				SR12	8/10/2019 17:37	0.22			
SR4	8/10/2019 17:57	0.22				SR12	8/10/2019 17:57	0.21			
SR4	8/10/2019 18:17	0.21				SR12	8/10/2019 18:17	0.20			
SR4	8/10/2019 18:37	0.20				SR12	8/10/2019 18:37	0.20			
SR4	8/10/2019 18:57	0.21				SR12	8/10/2019 18:57	0.20			
SR4	8/10/2019 19:17	0.22				SR12	8/10/2019 19:17	0.20			
SR4	8/10/2019 19:37	0.21				SR12	8/10/2019 19:37	0.20			
SR4	8/10/2019 19:57	0.21				SR12	8/10/2019 19:57	0.19			
SR4	8/10/2019 20:17	0.19				SR12	8/10/2019 20:17	0.20			
SR4	8/10/2019 20:37	0.20				SR12	8/10/2019 20:37	0.19			
SR4	8/10/2019 20:57	0.19				SR12	8/10/2019 20:57	0.20			
SR4	8/10/2019 21:17	0.20				SR12	8/10/2019 21:17	0.20			
SR4	8/10/2019 21:37	0.19				SR12	8/10/2019 21:37	0.19			
SR4	8/10/2019 21:57	0.20				SR12	8/10/2019 21:57	0.19			
SR4	8/10/2019 22:17	0.21				SR12	8/10/2019 22:17	0.21			
SR4	8/10/2019 22:37	0.20				SR12	8/10/2019 22:37	0.20			
SR4	8/10/2019 22:57	0.21				SR12	8/10/2019 22:57	0.20			
SR4	8/10/2019 23:17	0.21				SR12	8/10/2019 23:17	0.19			
SR4	8/10/2019 23:37	0.21				SR12	8/10/2019 23:37	0.19			
SR4	8/10/2019 23:57	0.20				SR12	8/10/2019 23:57	0.20			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/11/2019 0:01	29.57	60.5	4.08	9.1	SR4	8/11/2019 6:01	29.64	81.0	5.48	8.9	SR4	8/11/2019 12:01	29.92	90.1	6.75	9.8	SR4	8/11/2019 18:01	29.35	103.1	6.99	7.6
SR4	8/11/2019 0:06	29.55	60.7	4.10	13.7	SR4	8/11/2019 6:06	29.64	79.9	5.41	8.8	SR4	8/11/2019 12:06	29.88	93.6	6.74	5.8	SR4	8/11/2019 18:06	29.33	101.9	6.91	8.4
SR4	8/11/2019 0:11	29.55	58.9	3.98	8.1	SR4	8/11/2019 6:11	29.63	82.1	5.56	8.9	SR4	8/11/2019 12:11	29.94	94.9	7.11	5.6	SR4	8/11/2019 18:11	29.42	93.3	6.34	7.8
SR4	8/11/2019 0:16	29.48	62.6	4.24	6.7	SR4	8/11/2019 6:16	29.59	80.7	5.46	8.7	SR4	8/11/2019 12:16	29.71	96.9	7.32	5.7	SR4	8/11/2019 18:16	29.38	96.8	6.57	8.2
SR4	8/11/2019 0:21	29.48	61.1	4.16	17.1	SR4	8/11/2019 6:21	29.62	77.1	5.22	8.8	SR4	8/11/2019 12:21	29.13	97.8	7.46	5.7	SR4	8/11/2019 18:21	29.36	93.0	6.31	7.9
SR4	8/11/2019 0:26	29.43	56.8	3.88	6.8	SR4	8/11/2019 6:26	29.61	77.6	5.25	7.7	SR4	8/11/2019 12:26	29.50	97.9	7.42	9.1	SR4	8/11/2019 18:26	30.00	88.6	6.02	7.7
SR4	8/11/2019 0:31	29.51	51.7	4.51	10.9	SR4	8/11/2019 6:31	29.62	79.0	5.34	7.4	SR4	8/11/2019 12:31	29.39	97.8	7.43	9.6	SR4	8/11/2019 18:31	29.99	89.9	6.11	7.9
SR4	8/11/2019 0:36	29.57	64.6	4.37	6.4	SR4	8/11/2019 6:36	29.61	80.1	5.42	7.4	SR4	8/11/2019 12:36	29.15	98.2	7.49	8.1	SR4	8/11/2019 18:36	29.96	93.5	6.36	8.1
SR4	8/11/2019 0:41	29.57	74.2	5.01	7.6	SR4	8/11/2019 6:41	29.61	77.8	5.26	7.8	SR4	8/11/2019 12:41	29.29	98.3	7.49	6.8	SR4	8/11/2019 18:41	29.96	86.3	5.88	7.9
SR4	8/11/2019 0:46	29.57	72.6	4.90	6.4	SR4	8/11/2019 6:46	29.62	76.8	5.20	7.6	SR4	8/11/2019 12:46	29.80	97.9	7.36	9.9	SR4	8/11/2019 18:46	29.94	86.1	5.87	8.1
SR4	8/11/2019 0:51	29.37	33.7	4.38	13.7	SR4	8/11/2019 6:51	29.62	75.6	5.11	7.8	SR4	8/11/2019 12:51	29.01	98.1	7.50	7.7	SR4	8/11/2019 18:51	29.94	83.0	5.66	8.2
SR4	8/11/2019 0:56	29.55	67.9	4.59	9.8	SR4	8/11/2019 6:56	29.60	80.4	5.44	7.9	SR4	8/11/2019 12:56	29.51	97.9	7.40	8.1	SR4	8/11/2019 18:56	29.93	72.3	4.94	8.3
SR4	8/11/2019 1:01	29.42	34.6	4.43	16.9	SR4	8/11/2019 7:01	29.59	83.4	5.64	7.6	SR4	8/11/2019 13:01	29.32	97.9	7.43	8.1	SR4	8/11/2019 19:01	29.94	72.2	4.92	8.6
SR4	8/11/2019 1:06	29.45	32.7	4.83	7.5	SR4	8/11/2019 7:06	29.59	81.9	5.53	7.7	SR4	8/11/2019 13:06	29.15	97.7	7.44	7.1	SR4	8/11/2019 19:06	29.95	71.1	4.85	8.6
SR4	8/11/2019 1:11	29.46	34.7	4.28	6.9	SR4	8/11/2019 7:11	29.56	80.9	5.47	7.5	SR4	8/11/2019 13:11	29.24	98.7	7.47	9.9	SR4	8/11/2019 19:11	29.93	69.6	4.75	9.0
SR4	8/11/2019 1:16	29.53	34.5	4.24	18.2	SR4	8/11/2019 7:16	29.54	81.4	5.51	7.4	SR4	8/11/2019 13:16	28.91	97.5	7.46	7.4	SR4	8/11/2019 19:16	29.94	68.9	4.69	9.3
SR4	8/11/2019 1:21	29.57	52.3	4.36	6.5	SR4	8/11/2019 7:21	29.51	81.2	5.49	7.7	SR4	8/11/2019 13:21	28.94	97.5	7.46	6.2	SR4	8/11/2019 19:21	29.92	68.1	4.64	9.2
SR4	8/11/2019 1:26	29.57	68.7	4.63	5.8	SR4	8/11/2019 7:26	29.44	76.8	5.19	7.2	SR4	8/11/2019 13:26	29.11	97.3	7.43	6.0	SR4	8/11/2019 19:26	29.96	72.3	4.92	9.2
SR4	8/11/2019 1:31	29.56	63.6	4.30	8.5	SR4	8/11/2019 7:31	29.45	80.2	5.42	7.6	SR4	8/11/2019 13:31	28.92	97.5	7.47	5.9	SR4	8/11/2019 19:31	29.95	70.3	4.79	9.7
SR4	8/11/2019 1:36	29.55	74.3	5.03	7.8	SR4	8/11/2019 7:36	29.47	79.8	5.39	7.6	SR4	8/11/2019 13:36	28.88	97.7	7.50	7.3	SR4	8/11/2019 19:36	29.92	70.8	4.82	9.6
SR4	8/11/2019 1:41	29.57	82.5	5.58	16.4	SR4	8/11/2019 7:41	29.42	80.6	5.44	7.5	SR4	8/11/2019 13:41	29.04	97.4	7.45	5.7	SR4	8/11/2019 19:41	29.92	70.3	4.79	9.7
SR4	8/11/2019 1:46	29.59	88.2	5.97	6.6	SR4	8/11/2019 7:46	29.49	76.2	5.15	7.5	SR4	8/11/2019 13:46	28.96	97.5	7.47	5.8	SR4	8/11/2019 19:46	29.90	64.2	4.37	9.4
SR4	8/11/2019 1:51	29.58	81.6	5.52	8.7	SR4	8/11/2019 7:51	29.29	79.6	5.36	7.0	SR4	8/11/2019 13:51	28.94	97.4	7.47	6.4	SR4	8/11/2019 19:51	29.92	64.9	4.42	9.7
SR4	8/11/2019 1:56	29.59	90.8	6.14	5.9	SR4	8/11/2019 7:56	29.35	79.2	5.34	7.5	SR4	8/11/2019 13:56	29.24	97.2	7.40	8.1	SR4	8/11/2019 19:56	29.93	64.4	4.38	7.7
SR4	8/11/2019 2:01	29.60	94.6	6.40	7.1	SR4	8/11/2019 8:01	29.50	75.4	5.09	7.5	SR4	8/11/2019 14:01	29.35	97.1	7.38	8.7	SR4	8/11/2019 20:01	29.99	80.6	5.46	9.5
SR4	8/11/2019 2:06	29.59	87.7	5.93	7.4	SR4	8/11/2019 8:06	29.36	80.0	5.39	7.3	SR4	8/11/2019 14:06	28.92	97.2	7.45	5.9	SR4	8/11/2019 20:06	29.98	92.8	6.28	9.8
SR4	8/11/2019 2:11	29.62	97.5	6.60	10.1	SR4	8/11/2019 8:11	29.38	83.1	5.61	7.6	SR4	8/11/2019 14:11	29.34	97.3	7.39	7.3	SR4	8/11/2019 20:11	29.96	91.4	6.10	9.7
SR4	8/11/2019 2:16	29.60	96.7	6.54	9.4	SR4	8/11/2019 8:16	29.41	84.1	5.68	8.4	SR4	8/11/2019 14:16	29.06	97.4	7.45	5.8	SR4	8/11/2019 20:16	29.87	70.2	4.77	9.6
SR4	8/11/2019 2:21	29.62	94.8	6.42	7.0	SR4	8/11/2019 8:21	29.38	83.3	5.62	8.3	SR4	8/11/2019 14:21	29.29	97.2	7.41	5.7	SR4	8/11/2019 20:21	29.88	82.0	5.58	9.6
SR4	8/11/2019 2:26	29.64	95.5	6.47	9.3	SR4	8/11/2019 8:26	29.43	85.1	5.74	8.4	SR4	8/11/2019 14:26	29.16	97.3	7.43	5.5	SR4	8/11/2019 20:26	29.90	83.8	5.69	9.2
SR4	8/11/2019 2:31	29.64	95.2	6.45	5.7	SR4	8/11/2019 8:31	29.44	83.4	5.62	8.0	SR4	8/11/2019 14:31	28.97	97.4	7.46	5.6	SR4	8/11/2019 20:31	29.85	63.8	4.35	9.0
SR4	8/11/2019 2:36	29.63	94.3	6.39	8.8	SR4	8/11/2019 8:36	29.46	87.3	5.90	7.3	SR4	8/11/2019 14:36	28.97	97.2	7.45	5.8	SR4	8/11/2019 20:36	29.81	54.1	4.57	9.9
SR4	8/11/2019 2:41	29.64	91.6	6.20	6.0	SR4	8/11/2019 8:41	29.48	87.1	5.88	7.8	SR4	8/11/2019 14:41	29.04	97.2	7.44	5.9	SR4	8/11/2019 20:41	29.88	64.5	4.39	9.8
SR4	8/11/2019 2:46	29.64	93.6	6.34	5.8	SR4	8/11/2019 8:46	29.49	87.9	5.93	7.6	SR4	8/11/2019 14:46	29.02	97.7	7.48	6.0	SR4	8/11/2019 20:46	29.92	83.9	5.69	9.9
SR4	8/11/2019 2:51	29.65	97.0	6.56	6.0	SR4	8/11/2019 8:51	29.50	91.2	6.17	8.4	SR4	8/11/2019 14:51	29.00	97.2	7.45	5.8	SR4	8/11/2019 20:51	29.82	63.9	4.35	9.1
SR4	8/11/2019 2:56	29.64	95.8	6.48	9.6	SR4	8/11/2019 8:56	29.50	89.6	6.06	8.3	SR4	8/11/2019 14:56	28.80	97.4	7.49	5.6	SR4	8/11/2019 20:56	29.73	34.6	4.30	9.0
SR4	8/11/2019 3:01	29.64	95.7	6.48	7.9	SR4	8/11/2019 9:01	29.51	84.2	5.70	7.9	SR4	8/11/2019 15:01	28.78	97.3	7.48	5.8	SR4	8/11/2019 21:01	29.89	86.2	5.85	9.7
SR4	8/11/2019 3:06	29.65	96.3	6.52	20.2	SR4	8/11/2019 9:06	29.52	83.6	5.66	8.0	SR4	8/11/2019 15:06	29.01	97.3	7.44	7.7	SR4	8/11/2019 21:06	29.88	81.6	5.54	9.6
SR4	8/11/2019 3:11	29.64	93.5	6.33	9.3	SR4	8/11/2019 9:11	29.53	81.6	5.52	7.8	SR4	8/11/2019 15:11	28.84	97.1	7.45	9.9	SR4	8/11/2019 21:11	29.85	73.5	5.00	8.4
SR4	8/11/2019 3:16	29.65	93.9	6.36	12.1	SR4	8/11/2019 9:16	29.53	81.3	5.50	7.8	SR4	8/11/2019 15:16	28.65	97.4	7.50	5.8	SR4	8/11/2019 21:16	29.78	51.8	4.74	9.7
SR4	8/11/2019 3:21	29.64	90.3	6.12	9.5	SR4	8/11/2019 9:21	29.53	84.4	5.71	8.2	SR4	8/11/2019 15:21	28.81	97.3	7.48	6.9	SR4	8/11/2019 21:21	29.84	61.5	4.19	8.5
SR4	8/11/2019 3:26	29.66	90.7	6.15	7.7	SR4	8/11/2019 9:26	29.56	81.3	5.50	7.5	SR4	8/11/2019 15:26	28.92	97.2	7.44	8.1	SR4	8/11/2019 21:26	29.86	63.1	4.30	5.5
SR4	8/11/2019 3:31	29.66	92.9	6.30	5.7	SR4	8/11/2019 9:31	29.56	83.1	5.62	7.8	SR4	8/11/2019 15:31	28.83	97.1	7.44	7.2	SR4	8/11/2019 21:31	29.85	71.3	4.85	9.1
SR4	8/11/2019 3:36	29.65	93.6	6.34	6.4	SR4	8/11/2019 9:36	29.59	82.2	5.55	7.8	SR4	8/11/2019 15:36	29.60	96.5	7.29	7.4	SR4	8/11/2019 21:36	29.67	31.7	4.80	5.6
SR4	8/11/2019 3:41	29.67	91.7	6.21	9.1	SR4	8/11/2019 9:41	29.54	81.9	5.53	7.8	SR4	8/11/2019 15:41	29.22	97.3	7.41	9.3	SR4	8/11/2019 21:41	29.78	71.5	4.87	6.4
SR4	8/11/2019 3:46	29.67	92.1	6.24	17.1	SR4	8/11/2019 9:46	29.54	84.3	5.70	8.6	SR4	8/11/2019 15:46	29.13	97.2	7.42	5.9	SR4	8/11/2019 21:46	29.66	34.2	4.47	8.2
SR4	8/11/2019 3:51	29.57	81.1	5.51	13.9	SR4	8/11/2019 9:51	29.61	85.5	5.78	7.9	SR4	8/11/2019 15:51	29.39	96.3	7.31	8.6	SR4	8/11/2019 21:51	29.78	70.3	4.79	7.5
SR4	8/11/2019 3:56	29																					

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/11/2019 0:00	30.33	77.7	6.11	4.5	SR5	8/11/2019 6:00	29.86	83.6	6.49	6.4	SR5	8/11/2019 12:00	30.11	84.0	6.44	8.1	SR5	8/11/2019 18:00	29.78	91.3	6.62	7.6
SR5	8/11/2019 0:05	30.29	78.6	6.21	7.2	SR5	8/11/2019 6:05	29.83	83.2	6.46	4.4	SR5	8/11/2019 12:05	30.09	85.6	6.42	7.7	SR5	8/11/2019 18:05	29.78	90.0	6.53	7.4
SR5	8/11/2019 0:10	30.32	77.2	6.07	6.4	SR5	8/11/2019 6:10	29.81	82.9	6.44	4.8	SR5	8/11/2019 12:10	30.11	85.9	6.64	5.8	SR5	8/11/2019 18:10	29.77	86.2	6.19	7.7
SR5	8/11/2019 0:15	30.29	78.0	6.14	5.4	SR5	8/11/2019 6:15	29.83	80.4	5.65	8.0	SR5	8/11/2019 12:15	30.20	87.0	6.78	6.1	SR5	8/11/2019 18:15	29.76	88.2	6.35	7.8
SR5	8/11/2019 0:20	30.30	77.8	6.13	5.4	SR5	8/11/2019 6:20	29.85	78.8	5.50	8.7	SR5	8/11/2019 12:20	30.31	87.5	6.88	7.3	SR5	8/11/2019 18:20	29.79	86.3	6.19	7.0
SR5	8/11/2019 0:25	30.32	77.9	6.13	6.7	SR5	8/11/2019 6:25	29.85	79.2	5.53	7.7	SR5	8/11/2019 12:25	30.35	87.6	6.85	7.6	SR5	8/11/2019 18:25	29.80	83.0	5.94	7.9
SR5	8/11/2019 0:30	30.31	78.7	6.22	5.1	SR5	8/11/2019 6:30	29.86	80.1	5.60	7.5	SR5	8/11/2019 12:30	30.31	87.7	6.87	8.4	SR5	8/11/2019 18:30	29.76	83.3	5.98	7.3
SR5	8/11/2019 0:35	30.29	77.7	6.14	4.4	SR5	8/11/2019 6:35	29.87	80.6	5.65	7.8	SR5	8/11/2019 12:35	30.30	87.7	6.89	6.9	SR5	8/11/2019 18:35	29.78	86.1	6.20	7.6
SR5	8/11/2019 0:40	30.29	77.1	6.06	5.2	SR5	8/11/2019 6:40	29.88	79.5	5.55	8.2	SR5	8/11/2019 12:40	30.29	87.6	6.88	6.7	SR5	8/11/2019 18:40	29.69	82.7	5.90	7.1
SR5	8/11/2019 0:45	30.27	78.0	6.16	5.3	SR5	8/11/2019 6:45	29.88	79.4	5.53	6.8	SR5	8/11/2019 12:45	30.28	87.6	6.81	8.4	SR5	8/11/2019 18:45	29.70	83.0	5.91	7.5
SR5	8/11/2019 0:50	30.28	76.8	6.06	3.6	SR5	8/11/2019 6:50	29.87	78.9	5.47	7.2	SR5	8/11/2019 12:50	30.29	87.3	6.88	7.3	SR5	8/11/2019 18:50	29.61	81.8	5.79	7.3
SR5	8/11/2019 0:55	30.24	78.0	6.17	4.2	SR5	8/11/2019 6:55	29.85	81.3	5.69	6.9	SR5	8/11/2019 12:55	30.28	87.4	6.82	7.1	SR5	8/11/2019 18:55	29.64	83.5	6.53	5.2
SR5	8/11/2019 1:00	30.25	77.6	6.15	4.5	SR5	8/11/2019 7:00	29.86	82.6	5.81	7.3	SR5	8/11/2019 13:00	30.27	87.2	6.84	7.1	SR5	8/11/2019 19:00	29.62	82.7	6.45	4.6
SR5	8/11/2019 1:05	30.25	76.7	6.05	6.2	SR5	8/11/2019 7:05	29.84	81.9	5.74	8.4	SR5	8/11/2019 13:05	30.27	87.0	6.83	6.3	SR5	8/11/2019 19:05	29.62	82.3	6.41	5.2
SR5	8/11/2019 1:10	30.21	77.7	6.16	5.3	SR5	8/11/2019 7:10	29.85	81.8	5.72	8.1	SR5	8/11/2019 13:10	30.29	87.6	6.86	8.4	SR5	8/11/2019 19:10	29.57	82.8	6.48	3.6
SR5	8/11/2019 1:15	30.24	76.9	6.07	5.6	SR5	8/11/2019 7:15	29.81	82.0	5.74	8.3	SR5	8/11/2019 13:15	30.34	86.6	6.83	7.1	SR5	8/11/2019 19:15	29.59	83.8	6.56	5.3
SR5	8/11/2019 1:20	30.26	77.7	6.15	5.8	SR5	8/11/2019 7:20	29.83	81.5	5.71	7.5	SR5	8/11/2019 13:20	30.33	86.7	6.84	6.3	SR5	8/11/2019 19:20	29.60	81.0	6.44	5.9
SR5	8/11/2019 1:25	30.23	77.8	6.18	3.8	SR5	8/11/2019 7:25	29.87	79.5	5.53	6.7	SR5	8/11/2019 13:25	30.28	86.6	6.82	6.6	SR5	8/11/2019 19:25	29.60	84.1	6.58	4.6
SR5	8/11/2019 1:30	30.24	77.5	6.14	4.6	SR5	8/11/2019 7:30	29.86	80.8	5.65	7.7	SR5	8/11/2019 13:30	30.31	86.6	6.84	5.7	SR5	8/11/2019 19:30	29.60	79.9	6.35	5.1
SR5	8/11/2019 1:35	30.24	76.2	6.01	4.7	SR5	8/11/2019 7:35	29.86	81.2	5.67	7.4	SR5	8/11/2019 13:35	30.40	86.6	6.86	6.4	SR5	8/11/2019 19:35	29.58	82.0	6.50	6.6
SR5	8/11/2019 1:40	30.23	77.1	6.10	5.5	SR5	8/11/2019 7:40	29.86	81.7	5.70	8.3	SR5	8/11/2019 13:40	30.37	86.3	6.81	5.9	SR5	8/11/2019 19:40	29.57	82.9	6.52	6.3
SR5	8/11/2019 1:45	30.26	76.4	6.03	6.4	SR5	8/11/2019 7:45	29.87	79.4	5.51	7.3	SR5	8/11/2019 13:45	30.48	86.8	6.85	6.0	SR5	8/11/2019 19:45	29.49	83.3	6.57	6.4
SR5	8/11/2019 1:50	30.22	78.0	6.19	5.3	SR5	8/11/2019 7:50	29.87	81.4	5.66	7.5	SR5	8/11/2019 13:50	30.43	86.4	6.84	7.0	SR5	8/11/2019 19:50	29.56	80.9	6.44	4.7
SR5	8/11/2019 1:55	30.21	77.7	6.18	4.5	SR5	8/11/2019 7:55	29.87	81.1	5.64	7.1	SR5	8/11/2019 13:55	30.38	86.1	6.78	7.2	SR5	8/11/2019 19:55	29.52	81.0	6.43	4.2
SR5	8/11/2019 2:00	30.18	77.8	6.18	5.0	SR5	8/11/2019 8:00	29.86	79.0	5.46	7.7	SR5	8/11/2019 14:00	30.41	86.7	6.80	7.6	SR5	8/11/2019 20:00	29.59	82.5	6.51	4.6
SR5	8/11/2019 2:05	30.15	76.3	6.02	6.0	SR5	8/11/2019 8:05	29.86	81.4	5.67	8.7	SR5	8/11/2019 14:05	30.40	86.6	6.84	6.4	SR5	8/11/2019 20:05	29.37	83.9	6.58	5.4
SR5	8/11/2019 2:10	30.14	77.9	6.19	5.0	SR5	8/11/2019 8:10	29.87	82.8	5.81	8.5	SR5	8/11/2019 14:10	30.40	86.8	6.81	7.3	SR5	8/11/2019 20:10	29.36	81.5	6.44	4.9
SR5	8/11/2019 2:15	30.15	76.5	6.04	5.0	SR5	8/11/2019 8:15	29.86	82.5	5.81	7.2	SR5	8/11/2019 14:15	30.41	87.3	6.87	7.0	SR5	8/11/2019 20:15	29.36	84.8	6.64	4.7
SR5	8/11/2019 2:20	30.12	77.7	6.17	4.1	SR5	8/11/2019 8:20	29.86	81.7	5.76	8.3	SR5	8/11/2019 14:20	30.40	87.4	6.85	6.0	SR5	8/11/2019 20:20	29.42	82.3	6.48	4.9
SR5	8/11/2019 2:25	30.10	76.9	6.08	5.4	SR5	8/11/2019 8:25	29.86	82.6	5.83	8.2	SR5	8/11/2019 14:25	30.41	87.4	6.86	5.9	SR5	8/11/2019 20:25	29.45	80.9	6.43	6.3
SR5	8/11/2019 2:30	30.09	77.7	6.13	4.8	SR5	8/11/2019 8:30	29.87	82.9	5.81	8.3	SR5	8/11/2019 14:30	30.45	87.4	6.88	5.3	SR5	8/11/2019 20:30	29.58	83.7	6.58	5.1
SR5	8/11/2019 2:35	30.06	79.1	6.25	4.6	SR5	8/11/2019 8:35	29.86	86.0	6.05	8.0	SR5	8/11/2019 14:35	30.46	87.5	6.88	6.8	SR5	8/11/2019 20:35	29.46	83.9	6.59	4.9
SR5	8/11/2019 2:40	30.06	78.0	6.10	5.2	SR5	8/11/2019 8:40	29.85	86.3	6.05	7.7	SR5	8/11/2019 14:40	30.47	87.4	6.87	6.4	SR5	8/11/2019 20:40	29.59	81.4	6.47	5.5
SR5	8/11/2019 2:45	30.09	77.9	6.10	4.7	SR5	8/11/2019 8:45	29.83	86.8	6.09	8.3	SR5	8/11/2019 14:45	30.41	87.6	6.89	6.4	SR5	8/11/2019 20:45	29.63	83.1	6.52	5.6
SR5	8/11/2019 2:50	30.06	79.3	6.25	4.9	SR5	8/11/2019 8:50	29.83	86.5	6.15	8.2	SR5	8/11/2019 14:50	30.42	87.4	6.87	6.3	SR5	8/11/2019 20:50	29.65	83.3	6.56	5.6
SR5	8/11/2019 2:55	30.12	78.5	6.15	5.1	SR5	8/11/2019 8:55	29.87	86.9	6.14	8.9	SR5	8/11/2019 14:55	30.46	87.4	6.90	6.9	SR5	8/11/2019 20:55	29.71	81.3	6.45	7.1
SR5	8/11/2019 3:00	30.10	79.5	6.24	3.8	SR5	8/11/2019 9:00	29.86	83.4	5.87	8.8	SR5	8/11/2019 15:00	30.44	87.2	6.88	6.0	SR5	8/11/2019 21:00	29.87	81.2	6.43	5.3
SR5	8/11/2019 3:05	30.09	78.5	6.14	3.8	SR5	8/11/2019 9:05	29.87	84.6	5.92	7.5	SR5	8/11/2019 15:05	30.45	87.1	6.85	7.0	SR5	8/11/2019 21:05	29.93	84.3	6.61	5.7
SR5	8/11/2019 3:10	30.11	79.8	6.26	5.4	SR5	8/11/2019 9:10	29.88	83.9	5.84	8.5	SR5	8/11/2019 15:10	30.43	87.0	6.86	8.1	SR5	8/11/2019 21:10	29.96	82.1	6.49	4.9
SR5	8/11/2019 3:15	30.25	80.0	6.27	4.8	SR5	8/11/2019 9:15	29.89	83.6	5.83	8.8	SR5	8/11/2019 15:15	30.47	87.0	6.88	6.5	SR5	8/11/2019 21:15	29.94	84.1	6.60	4.1
SR5	8/11/2019 3:20	30.26	79.9	6.26	5.3	SR5	8/11/2019 9:20	29.86	85.4	5.97	7.8	SR5	8/11/2019 15:20	30.64	86.7	6.86	7.3	SR5	8/11/2019 21:20	29.93	81.2	6.44	5.1
SR5	8/11/2019 3:25	30.27	81.4	6.39	4.3	SR5	8/11/2019 9:25	29.83	83.4	5.82	7.1	SR5	8/11/2019 15:25	30.66	86.7	6.83	7.2	SR5	8/11/2019 21:25	29.92	82.5	6.50	6.7
SR5	8/11/2019 3:30	30.27	81.2	6.40	5.2	SR5	8/11/2019 9:30	29.84	84.0	5.88	7.3	SR5	8/11/2019 15:30	30.69	86.7	6.84	7.2	SR5	8/11/2019 21:30	29.90	82.6	6.51	5.4
SR5	8/11/2019 3:35	30.21	79.9	6.28	4.1	SR5	8/11/2019 9:35	29.88	84.4	5.88	6.7	SR5	8/11/2019 15:35	30.68	86.3	6.73	6.9	SR5	8/11/2019 21:35	29.90	80.9	6.41	4.9
SR5	8/11/2019 3:40	30.25	78.7	6.22	4.9	SR5	8/11/2019 9:40	29.88	84.2	5.86	7.1	SR5	8/11/2019 15:40	30.75	86.7	6.81	7.9	SR5	8/11/2019 21:40	29.90	81.9	6.49	5.7
SR5	8/11/2019 3:45	30.26	78.3	6.19	3.9	SR5	8/11/2019 9:45	29.90	85.6	5.98	8.7	SR5	8/11/2019 15:45	30.68	86.6	6.81	6.6	SR5	8/11/2019 21:45	29.88	81.3	6.44	6.8
SR5	8/11/2019 3:50	30.25	79.2	6.27	5.5	SR5	8/11/2019 9:50	29.92	86.5	6.05	8.1	SR5	8/11/2019 15:50	30.60	86.2	6.74	7.4	SR5	8/11/2019 21:50	29.84	80.4	6.39	6.2
SR5	8/11/2019 3:55	30.15	79.5	6.27	5.8	SR5	8/11/2019 9:55	29															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/11/2019 0:01	29.28	71.7	4.93	6.5	SR12	8/11/2019 6:01	29.29	68.0	5.09	6.7	SR12	8/11/2019 12:01	29.42	66.6	4.61	7.1	SR12	8/11/2019 18:01	29.65	61.9	4.63	7.4
SR12	8/11/2019 0:06	29.28	71.2	4.89	6.7	SR12	8/11/2019 6:06	29.32	61.7	4.62	6.3	SR12	8/11/2019 12:06	29.44	67.5	4.67	7.6	SR12	8/11/2019 18:06	29.63	63.6	4.76	6.5
SR12	8/11/2019 0:11	29.26	69.4	4.77	6.5	SR12	8/11/2019 6:11	29.24	66.4	4.97	6.8	SR12	8/11/2019 12:11	29.42	66.9	4.63	6.4	SR12	8/11/2019 18:11	29.60	63.6	4.76	6.8
SR12	8/11/2019 0:16	29.32	71.5	4.92	7.9	SR12	8/11/2019 6:16	29.34	65.6	4.91	7.4	SR12	8/11/2019 12:16	29.43	67.4	4.67	6.2	SR12	8/11/2019 18:16	29.58	69.2	5.16	7.5
SR12	8/11/2019 0:21	29.32	72.1	4.96	7.2	SR12	8/11/2019 6:21	29.28	63.9	4.78	5.5	SR12	8/11/2019 12:21	29.43	68.4	4.74	6.0	SR12	8/11/2019 18:21	29.58	63.9	4.78	8.0
SR12	8/11/2019 0:26	29.34	71.7	4.94	6.7	SR12	8/11/2019 6:26	29.18	63.7	4.77	7.3	SR12	8/11/2019 12:26	29.43	66.6	4.61	6.3	SR12	8/11/2019 18:26	29.58	63.2	4.73	6.9
SR12	8/11/2019 0:31	29.34	69.8	4.81	6.8	SR12	8/11/2019 6:31	29.27	63.5	4.75	7.5	SR12	8/11/2019 12:31	29.44	67.6	5.06	6.3	SR12	8/11/2019 18:31	29.58	63.6	4.76	7.8
SR12	8/11/2019 0:36	29.34	68.9	4.74	7.9	SR12	8/11/2019 6:36	29.21	64.1	4.80	5.5	SR12	8/11/2019 12:36	29.45	62.8	4.70	5.7	SR12	8/11/2019 18:36	29.58	64.3	4.81	5.9
SR12	8/11/2019 0:41	29.34	68.8	4.74	7.1	SR12	8/11/2019 6:41	29.36	63.2	4.73	6.5	SR12	8/11/2019 12:41	29.50	67.2	4.65	7.7	SR12	8/11/2019 18:41	29.59	64.7	4.84	6.9
SR12	8/11/2019 0:46	29.33	70.4	4.84	6.5	SR12	8/11/2019 6:46	29.04	62.5	4.68	6.9	SR12	8/11/2019 12:46	29.52	71.3	4.93	6.5	SR12	8/11/2019 18:46	29.57	62.9	4.71	6.8
SR12	8/11/2019 0:51	29.35	68.9	4.74	6.8	SR12	8/11/2019 6:51	29.33	64.1	4.80	8.2	SR12	8/11/2019 12:51	29.51	72.6	5.01	7.0	SR12	8/11/2019 18:51	29.56	63.3	4.74	7.3
SR12	8/11/2019 0:56	29.36	68.1	4.69	6.6	SR12	8/11/2019 6:56	29.16	68.7	5.14	7.1	SR12	8/11/2019 12:56	29.51	72.2	4.99	7.4	SR12	8/11/2019 18:56	29.56	69.2	5.18	8.6
SR12	8/11/2019 1:01	29.37	69.5	4.79	6.3	SR12	8/11/2019 7:01	29.36	69.1	4.77	5.8	SR12	8/11/2019 13:01	29.52	72.5	5.01	6.9	SR12	8/11/2019 19:01	29.56	64.0	4.79	6.8
SR12	8/11/2019 1:06	29.38	69.7	4.80	6.6	SR12	8/11/2019 7:06	28.99	66.4	4.97	5.7	SR12	8/11/2019 13:06	29.51	72.8	5.03	5.7	SR12	8/11/2019 19:06	29.52	67.2	5.03	7.6
SR12	8/11/2019 1:11	29.38	69.5	4.79	6.9	SR12	8/11/2019 7:11	29.30	61.5	4.60	6.7	SR12	8/11/2019 13:11	29.52	73.4	5.08	6.9	SR12	8/11/2019 19:11	29.53	67.7	5.07	7.4
SR12	8/11/2019 1:16	29.38	67.9	4.68	6.4	SR12	8/11/2019 7:16	29.24	67.3	5.04	6.8	SR12	8/11/2019 13:16	29.52	71.1	4.91	7.1	SR12	8/11/2019 19:16	29.54	69.2	5.18	7.0
SR12	8/11/2019 1:21	29.38	68.6	4.72	6.9	SR12	8/11/2019 7:21	29.19	68.7	5.14	5.7	SR12	8/11/2019 13:21	29.51	70.1	4.85	7.6	SR12	8/11/2019 19:21	29.52	68.7	5.14	6.8
SR12	8/11/2019 1:26	29.38	69.1	4.76	7.3	SR12	8/11/2019 7:26	29.32	68.2	4.71	6.0	SR12	8/11/2019 13:26	29.49	70.1	4.85	6.4	SR12	8/11/2019 19:26	29.54	69.1	5.17	7.2
SR12	8/11/2019 1:31	29.40	69.6	4.80	6.8	SR12	8/11/2019 7:31	29.33	69.5	5.20	5.9	SR12	8/11/2019 13:31	29.53	70.8	4.90	7.2	SR12	8/11/2019 19:31	29.52	66.1	4.95	7.4
SR12	8/11/2019 1:36	29.40	70.4	4.85	7.2	SR12	8/11/2019 7:36	29.28	67.2	5.03	5.9	SR12	8/11/2019 13:36	29.54	71.4	4.93	5.7	SR12	8/11/2019 19:36	29.53	68.1	5.10	6.3
SR12	8/11/2019 1:41	29.41	71.5	4.92	6.5	SR12	8/11/2019 7:41	29.40	69.7	4.82	5.7	SR12	8/11/2019 13:41	29.55	70.8	4.90	7.2	SR12	8/11/2019 19:41	29.53	63.7	4.77	7.0
SR12	8/11/2019 1:46	29.42	71.3	4.92	7.1	SR12	8/11/2019 7:46	29.27	69.0	4.76	7.0	SR12	8/11/2019 13:46	29.57	71.5	4.95	6.7	SR12	8/11/2019 19:46	29.53	69.1	5.17	6.8
SR12	8/11/2019 1:51	29.41	70.2	4.84	6.7	SR12	8/11/2019 7:51	29.37	68.7	4.75	6.3	SR12	8/11/2019 13:51	29.60	70.4	4.87	7.3	SR12	8/11/2019 19:51	29.53	66.8	5.00	7.1
SR12	8/11/2019 1:56	29.42	71.0	4.90	6.6	SR12	8/11/2019 7:56	29.32	67.1	4.63	5.8	SR12	8/11/2019 13:56	29.60	70.4	4.88	6.5	SR12	8/11/2019 19:56	29.60	67.6	4.68	7.5
SR12	8/11/2019 2:01	29.43	70.9	4.89	7.6	SR12	8/11/2019 8:01	29.35	66.9	4.62	5.8	SR12	8/11/2019 14:01	29.59	70.1	4.85	7.6	SR12	8/11/2019 20:01	29.61	66.6	4.61	6.9
SR12	8/11/2019 2:06	29.42	69.7	4.79	6.4	SR12	8/11/2019 8:06	29.36	68.6	4.74	6.4	SR12	8/11/2019 14:06	29.62	70.3	4.87	7.1	SR12	8/11/2019 20:06	29.59	61.5	4.60	7.2
SR12	8/11/2019 2:11	29.42	69.3	4.76	6.2	SR12	8/11/2019 8:11	29.21	68.9	5.16	6.6	SR12	8/11/2019 14:11	29.64	70.5	4.88	7.0	SR12	8/11/2019 20:11	29.58	64.3	4.81	7.4
SR12	8/11/2019 2:16	29.42	67.9	4.67	7.0	SR12	8/11/2019 8:16	29.27	68.3	5.11	5.4	SR12	8/11/2019 14:16	29.63	70.2	4.86	7.3	SR12	8/11/2019 20:16	29.77	64.0	4.79	7.5
SR12	8/11/2019 2:21	29.41	68.1	4.69	7.5	SR12	8/11/2019 8:21	29.35	68.0	4.69	6.8	SR12	8/11/2019 14:21	29.63	68.3	4.73	7.1	SR12	8/11/2019 20:21	29.72	61.7	4.62	9.6
SR12	8/11/2019 2:26	29.43	68.5	4.73	6.2	SR12	8/11/2019 8:26	29.39	68.2	4.71	5.3	SR12	8/11/2019 14:26	29.67	69.2	4.79	6.4	SR12	8/11/2019 20:26	29.70	69.2	5.18	6.9
SR12	8/11/2019 2:31	29.42	68.2	4.70	6.4	SR12	8/11/2019 8:31	29.35	67.4	4.65	5.8	SR12	8/11/2019 14:31	29.66	69.1	4.78	5.8	SR12	8/11/2019 20:31	29.75	67.3	5.04	7.3
SR12	8/11/2019 2:36	29.42	67.7	4.67	7.9	SR12	8/11/2019 8:36	29.30	68.0	4.79	5.9	SR12	8/11/2019 14:36	29.69	69.6	4.82	7.4	SR12	8/11/2019 20:36	29.63	65.1	4.87	6.7
SR12	8/11/2019 2:41	29.44	65.3	4.89	5.9	SR12	8/11/2019 8:41	29.39	68.3	4.71	6.4	SR12	8/11/2019 14:41	29.71	68.7	4.75	7.4	SR12	8/11/2019 20:41	29.69	68.4	5.12	6.9
SR12	8/11/2019 2:46	29.39	61.7	4.62	7.0	SR12	8/11/2019 8:46	29.31	68.8	4.75	7.1	SR12	8/11/2019 14:46	29.71	70.5	4.87	8.2	SR12	8/11/2019 20:46	29.70	64.3	4.81	7.2
SR12	8/11/2019 2:51	29.42	63.5	4.75	6.6	SR12	8/11/2019 8:51	29.31	67.0	4.62	6.0	SR12	8/11/2019 14:51	29.71	71.3	4.93	6.5	SR12	8/11/2019 20:51	29.72	67.1	5.02	7.5
SR12	8/11/2019 2:56	29.33	62.1	4.65	6.5	SR12	8/11/2019 8:56	29.28	69.2	5.18	7.1	SR12	8/11/2019 14:56	29.70	70.0	4.85	7.1	SR12	8/11/2019 20:56	29.77	65.5	4.90	6.9
SR12	8/11/2019 3:01	29.37	69.2	5.18	7.4	SR12	8/11/2019 9:01	29.29	61.9	4.63	7.3	SR12	8/11/2019 15:01	29.69	69.1	4.78	6.4	SR12	8/11/2019 21:01	29.67	66.5	4.98	6.7
SR12	8/11/2019 3:06	29.35	61.6	4.61	6.2	SR12	8/11/2019 9:06	29.29	68.4	4.71	6.7	SR12	8/11/2019 15:06	29.67	67.6	4.68	6.3	SR12	8/11/2019 21:06	29.72	67.6	5.06	7.0
SR12	8/11/2019 3:11	29.34	63.5	4.75	7.7	SR12	8/11/2019 9:11	29.22	61.6	4.61	6.6	SR12	8/11/2019 15:11	29.74	72.4	5.01	6.6	SR12	8/11/2019 21:11	29.74	62.0	4.64	7.6
SR12	8/11/2019 3:16	29.27	65.7	4.92	6.4	SR12	8/11/2019 9:16	29.29	70.1	4.84	7.2	SR12	8/11/2019 15:16	29.69	72.3	5.00	7.5	SR12	8/11/2019 21:16	29.72	67.7	5.07	7.8
SR12	8/11/2019 3:21	29.35	66.7	4.99	6.9	SR12	8/11/2019 9:21	29.26	68.0	4.69	6.8	SR12	8/11/2019 15:21	29.72	72.9	5.04	6.3	SR12	8/11/2019 21:21	29.73	66.4	4.97	8.1
SR12	8/11/2019 3:26	29.28	61.7	4.62	6.1	SR12	8/11/2019 9:26	29.28	67.4	4.65	7.0	SR12	8/11/2019 15:26	29.72	71.4	4.94	6.4	SR12	8/11/2019 21:26	29.57	66.1	4.95	8.5
SR12	8/11/2019 3:31	29.31	61.3	4.59	6.4	SR12	8/11/2019 9:31	29.32	68.3	4.72	7.4	SR12	8/11/2019 15:31	29.76	73.8	5.11	6.2	SR12	8/11/2019 21:31	29.71	66.3	4.96	7.9
SR12	8/11/2019 3:36	29.27	68.5	5.13	7.2	SR12	8/11/2019 9:36	29.37	69.8	4.82	6.2	SR12	8/11/2019 15:36	29.74	70.4	4.87	6.4	SR12	8/11/2019 21:36	29.68	61.6	4.61	8.0
SR12	8/11/2019 3:41	29.17	62.7	4.69	7.4	SR12	8/11/2019 9:41	29.37	69.9	4.83	6.2	SR12	8/11/2019 15:41	29.74	70.8	4.89	6.9	SR12	8/11/2019 21:41	29.69	65.9	4.93	7.3
SR12	8/11/2019 3:46	29.21	67.3	5.04	6.6	SR12	8/11/2019 9:46	29.35	69.4	4.79	6.2	SR12	8/11/2019 15:46	29.74	68.9	4.77	7.9	SR12	8/11/2019 21:46	29.64	64.4	4.82	7.2
SR12	8/11/2019 3:51	29.22	68.4	5.12	6.0	SR12	8/11/2019 9:51	29.36	68.0	4.70	7.7	SR12	8/11/2019 15:51	29.75									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/11/2019 0:00	29.75	74.1	5.49	6.0	SR13	8/11/2019 6:00	29.43	75.2	5.73	6.5	SR13	8/11/2019 12:00	29.77	77.4	5.70	7.8	SR13	8/11/2019 18:00	29.66	78.4	5.80	7.0
SR13	8/11/2019 0:05	29.73	74.8	5.55	7.3	SR13	8/11/2019 6:05	29.47	74.8	5.54	6.1	SR13	8/11/2019 12:05	29.77	78.5	5.72	7.1	SR13	8/11/2019 18:05	29.68	78.2	5.79	7.5
SR13	8/11/2019 0:10	29.75	74.4	5.51	6.8	SR13	8/11/2019 6:10	29.47	75.2	5.73	5.5	SR13	8/11/2019 12:10	29.79	78.5	5.79	6.5	SR13	8/11/2019 18:10	29.65	75.4	5.56	7.7
SR13	8/11/2019 0:15	29.74	75.1	5.57	6.5	SR13	8/11/2019 6:15	29.46	73.4	5.38	7.1	SR13	8/11/2019 12:15	29.82	79.0	5.85	6.7	SR13	8/11/2019 18:15	29.65	76.9	5.67	6.7
SR13	8/11/2019 0:20	29.74	75.3	5.58	6.3	SR13	8/11/2019 6:20	29.52	73.7	5.23	7.2	SR13	8/11/2019 12:20	29.86	79.1	5.88	7.6	SR13	8/11/2019 18:20	29.65	74.3	5.47	7.0
SR13	8/11/2019 0:25	29.75	75.4	5.59	7.1	SR13	8/11/2019 6:25	29.46	73.6	5.22	6.9	SR13	8/11/2019 12:25	29.89	79.3	5.88	7.3	SR13	8/11/2019 18:25	29.65	75.5	5.56	7.0
SR13	8/11/2019 0:30	29.74	75.2	5.59	6.1	SR13	8/11/2019 6:30	29.51	73.7	5.24	7.0	SR13	8/11/2019 12:30	29.90	79.3	5.88	7.6	SR13	8/11/2019 18:30	29.65	74.8	5.51	7.5
SR13	8/11/2019 0:35	29.73	75.1	5.58	5.8	SR13	8/11/2019 6:35	29.49	73.3	5.21	6.4	SR13	8/11/2019 12:35	29.88	79.0	5.88	6.9	SR13	8/11/2019 18:35	29.68	76.1	5.46	7.2
SR13	8/11/2019 0:40	29.73	75.0	5.56	6.7	SR13	8/11/2019 6:40	29.51	72.7	5.16	6.7	SR13	8/11/2019 12:40	29.88	79.2	5.89	7.4	SR13	8/11/2019 18:40	29.66	74.7	5.34	6.8
SR13	8/11/2019 0:45	29.72	74.8	5.55	6.2	SR13	8/11/2019 6:45	29.51	73.5	5.21	6.4	SR13	8/11/2019 12:45	29.90	79.3	5.87	7.4	SR13	8/11/2019 18:45	29.66	72.9	5.35	7.2
SR13	8/11/2019 0:50	29.72	74.2	5.51	5.5	SR13	8/11/2019 6:50	29.45	73.4	5.35	7.1	SR13	8/11/2019 12:50	29.89	78.9	5.87	7.3	SR13	8/11/2019 18:50	29.63	73.4	5.38	7.5
SR13	8/11/2019 0:55	29.70	74.1	5.51	5.9	SR13	8/11/2019 6:55	29.46	74.0	5.41	6.3	SR13	8/11/2019 12:55	29.89	79.0	5.85	7.3	SR13	8/11/2019 18:55	29.71	73.9	5.63	6.5
SR13	8/11/2019 1:00	29.70	74.0	5.51	6.8	SR13	8/11/2019 7:00	29.52	74.6	5.30	7.2	SR13	8/11/2019 13:00	29.87	77.9	5.79	7.0	SR13	8/11/2019 19:00	29.70	72.7	5.54	7.3
SR13	8/11/2019 1:05	29.71	73.8	5.49	6.7	SR13	8/11/2019 7:05	29.53	74.3	5.28	7.1	SR13	8/11/2019 13:05	29.88	78.2	5.81	6.9	SR13	8/11/2019 19:05	29.69	75.6	5.75	6.5
SR13	8/11/2019 1:10	29.69	74.2	5.52	6.6	SR13	8/11/2019 7:10	29.53	74.1	5.26	6.4	SR13	8/11/2019 13:10	29.87	78.2	5.81	7.3	SR13	8/11/2019 19:10	29.70	75.0	5.71	5.9
SR13	8/11/2019 1:15	29.69	73.7	5.48	7.0	SR13	8/11/2019 7:15	29.50	72.9	5.33	6.6	SR13	8/11/2019 13:15	29.88	77.9	5.80	7.4	SR13	8/11/2019 19:15	29.66	74.4	5.67	5.9
SR13	8/11/2019 1:20	29.71	73.1	5.60	6.6	SR13	8/11/2019 7:20	29.54	74.5	5.29	6.6	SR13	8/11/2019 13:20	29.86	77.3	5.76	6.9	SR13	8/11/2019 19:20	29.68	74.7	5.73	7.2
SR13	8/11/2019 1:25	29.67	71.8	5.51	6.2	SR13	8/11/2019 7:25	29.51	73.9	5.24	6.7	SR13	8/11/2019 13:25	29.83	78.0	5.81	7.3	SR13	8/11/2019 19:25	29.69	74.1	5.65	5.9
SR13	8/11/2019 1:30	29.69	72.3	5.54	6.4	SR13	8/11/2019 7:30	29.52	73.8	5.24	6.4	SR13	8/11/2019 13:30	29.87	78.7	5.86	6.6	SR13	8/11/2019 19:30	29.70	73.8	5.66	6.9
SR13	8/11/2019 1:35	29.65	71.3	5.46	6.5	SR13	8/11/2019 7:35	29.51	74.9	5.48	6.8	SR13	8/11/2019 13:35	29.90	78.2	5.84	6.9	SR13	8/11/2019 19:35	29.71	73.9	5.66	7.1
SR13	8/11/2019 1:40	29.66	74.3	5.69	6.9	SR13	8/11/2019 7:40	29.51	72.2	5.27	7.1	SR13	8/11/2019 13:40	29.92	78.2	5.83	6.5	SR13	8/11/2019 19:40	29.71	74.5	5.69	6.8
SR13	8/11/2019 1:45	29.66	71.0	5.44	6.8	SR13	8/11/2019 7:45	29.52	74.2	5.25	6.6	SR13	8/11/2019 13:45	29.97	78.2	5.83	6.5	SR13	8/11/2019 19:45	29.66	75.0	5.73	6.4
SR13	8/11/2019 1:50	29.64	72.4	5.55	7.0	SR13	8/11/2019 7:50	29.49	72.1	5.26	7.4	SR13	8/11/2019 13:50	30.00	80.2	5.97	7.2	SR13	8/11/2019 19:50	29.69	71.9	5.52	6.3
SR13	8/11/2019 1:55	29.61	73.2	5.62	6.0	SR13	8/11/2019 7:55	29.52	75.4	5.34	7.4	SR13	8/11/2019 13:55	29.97	80.1	5.95	7.6	SR13	8/11/2019 19:55	29.60	74.1	5.68	6.5
SR13	8/11/2019 2:00	29.63	73.7	5.65	6.4	SR13	8/11/2019 8:00	29.51	73.7	5.21	6.7	SR13	8/11/2019 14:00	29.99	80.6	5.97	7.1	SR13	8/11/2019 20:00	29.69	74.1	5.67	6.4
SR13	8/11/2019 2:05	29.59	71.2	5.46	6.7	SR13	8/11/2019 8:05	29.51	74.0	5.24	7.3	SR13	8/11/2019 14:05	29.99	79.9	5.95	6.2	SR13	8/11/2019 20:05	29.55	74.4	5.68	6.8
SR13	8/11/2019 2:10	29.60	71.5	5.50	6.5	SR13	8/11/2019 8:10	29.53	74.8	5.32	8.2	SR13	8/11/2019 14:10	30.01	81.1	6.02	7.1	SR13	8/11/2019 20:10	29.60	73.6	5.63	6.5
SR13	8/11/2019 2:15	29.58	74.1	5.67	6.5	SR13	8/11/2019 8:15	29.54	75.3	5.36	6.6	SR13	8/11/2019 14:15	30.01	80.0	5.95	6.5	SR13	8/11/2019 20:15	29.59	72.8	5.56	6.6
SR13	8/11/2019 2:20	29.53	72.0	5.53	6.7	SR13	8/11/2019 8:20	29.53	74.9	5.34	7.5	SR13	8/11/2019 14:20	30.00	80.1	5.94	6.6	SR13	8/11/2019 20:20	29.61	73.6	5.62	6.4
SR13	8/11/2019 2:25	29.52	73.1	5.61	6.6	SR13	8/11/2019 8:25	29.52	75.0	5.34	7.4	SR13	8/11/2019 14:25	29.99	79.2	5.88	7.1	SR13	8/11/2019 20:25	29.60	72.5	5.56	6.8
SR13	8/11/2019 2:30	29.52	73.6	5.64	6.1	SR13	8/11/2019 8:30	29.53	74.6	5.30	8.2	SR13	8/11/2019 14:30	29.95	78.5	5.85	6.2	SR13	8/11/2019 20:30	29.65	74.8	5.71	6.5
SR13	8/11/2019 2:35	29.51	73.6	5.64	6.7	SR13	8/11/2019 8:35	29.55	75.7	5.38	7.5	SR13	8/11/2019 14:35	29.94	78.7	5.86	7.0	SR13	8/11/2019 20:35	29.57	74.8	5.71	6.3
SR13	8/11/2019 2:40	29.46	74.0	5.65	6.0	SR13	8/11/2019 8:40	29.54	75.9	5.40	7.4	SR13	8/11/2019 14:40	29.94	78.7	5.86	7.3	SR13	8/11/2019 20:40	29.63	74.6	5.72	7.5
SR13	8/11/2019 2:45	29.48	73.8	5.63	6.1	SR13	8/11/2019 8:45	29.51	74.8	5.47	7.6	SR13	8/11/2019 14:45	29.89	78.9	5.87	7.1	SR13	8/11/2019 20:45	29.66	74.4	5.68	6.9
SR13	8/11/2019 2:50	29.47	73.4	5.62	6.3	SR13	8/11/2019 8:50	29.51	74.3	5.46	7.4	SR13	8/11/2019 14:50	29.92	79.7	5.93	6.8	SR13	8/11/2019 20:50	29.62	72.9	5.57	6.7
SR13	8/11/2019 2:55	29.45	73.2	5.59	6.6	SR13	8/11/2019 8:55	29.51	76.8	5.64	8.3	SR13	8/11/2019 14:55	29.90	78.3	5.84	8.0	SR13	8/11/2019 20:55	29.68	73.6	5.64	7.4
SR13	8/11/2019 3:00	29.48	74.4	5.68	6.1	SR13	8/11/2019 9:00	29.52	74.0	5.42	8.1	SR13	8/11/2019 15:00	29.90	79.4	5.92	6.8	SR13	8/11/2019 21:00	29.74	74.2	5.68	20.6
SR13	8/11/2019 3:05	29.46	71.5	5.46	6.1	SR13	8/11/2019 9:05	29.56	75.3	5.51	7.2	SR13	8/11/2019 15:05	29.90	79.6	5.92	8.1	SR13	8/11/2019 21:05	29.77	75.3	5.74	7.4
SR13	8/11/2019 3:10	29.52	73.2	5.60	6.2	SR13	8/11/2019 9:10	29.53	75.5	5.51	7.5	SR13	8/11/2019 15:10	29.89	80.1	5.96	8.1	SR13	8/11/2019 21:10	29.79	72.8	5.57	6.9
SR13	8/11/2019 3:15	29.55	74.7	5.71	6.5	SR13	8/11/2019 9:15	29.53	75.0	5.32	7.7	SR13	8/11/2019 15:15	29.87	77.9	5.82	6.0	SR13	8/11/2019 21:15	29.80	74.2	5.66	6.5
SR13	8/11/2019 3:20	29.52	73.2	5.59	6.2	SR13	8/11/2019 9:20	29.52	76.3	5.57	7.7	SR13	8/11/2019 15:20	29.97	79.2	5.90	7.9	SR13	8/11/2019 21:20	29.78	73.9	5.66	6.1
SR13	8/11/2019 3:25	29.53	73.0	5.59	6.7	SR13	8/11/2019 9:25	29.53	74.7	5.30	7.2	SR13	8/11/2019 15:25	29.97	78.6	5.86	7.1	SR13	8/11/2019 21:25	29.77	75.4	5.76	7.6
SR13	8/11/2019 3:30	29.55	75.4	5.78	6.7	SR13	8/11/2019 9:30	29.55	75.6	5.53	7.8	SR13	8/11/2019 15:30	29.98	80.4	5.98	7.3	SR13	8/11/2019 21:30	29.74	75.2	5.74	6.3
SR13	8/11/2019 3:35	29.55	72.1	5.52	6.5	SR13	8/11/2019 9:35	29.58	76.2	5.41	6.7	SR13	8/11/2019 15:35	29.99	79.4	5.88	7.1	SR13	8/11/2019 21:35	29.74	72.0	5.52	6.6
SR13	8/11/2019 3:40	29.57	71.3	5.47	6.7	SR13	8/11/2019 9:40	29.60	76.1	5.39	6.9	SR13	8/11/2019 15:40	30.02	79.5	5.91	7.1	SR13	8/11/2019 21:40	29.74	72.2	5.53	7.3
SR13	8/11/2019 3:45	29.57	73.2	5.61	6.5	SR13	8/11/2019 9:45	29.61	76.2	5.41	7.8	SR13	8/11/2019 15:45	29.98	77.9	5.80	7.7	SR13	8/11/2019 21:45	29.74	74.4	5.70	7.8
SR13	8/11/2019 3:50	29.58	72.4	5.55	6.8	SR13	8/11/2019 9:50	29.60	74.7	5.45	8.1	SR13	8/11/2019 15:50	29.99</									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/11/2019 0:17	0.20				SR12	8/11/2019 0:17	0.19			
SR4	8/11/2019 0:37	0.21				SR12	8/11/2019 0:37	0.20			
SR4	8/11/2019 0:57	0.20				SR12	8/11/2019 0:57	0.21			
SR4	8/11/2019 1:17	0.21				SR12	8/11/2019 1:17	0.20			
SR4	8/11/2019 1:37	0.19				SR12	8/11/2019 1:37	0.21			
SR4	8/11/2019 1:57	0.20				SR12	8/11/2019 1:57	0.20			
SR4	8/11/2019 2:17	0.21				SR12	8/11/2019 2:17	0.19			
SR4	8/11/2019 2:37	0.19				SR12	8/11/2019 2:37	0.20			
SR4	8/11/2019 2:57	0.20				SR12	8/11/2019 2:57	0.19			
SR4	8/11/2019 3:17	0.19				SR12	8/11/2019 3:17	0.19			
SR4	8/11/2019 3:37	0.18				SR12	8/11/2019 3:37	0.20			
SR4	8/11/2019 3:57	0.18				SR12	8/11/2019 3:57	0.18			
SR4	8/11/2019 4:17	0.20				SR12	8/11/2019 4:17	0.19			
SR4	8/11/2019 4:37	0.20				SR12	8/11/2019 4:37	0.20			
SR4	8/11/2019 4:57	0.18				SR12	8/11/2019 4:57	0.19			
SR4	8/11/2019 5:17	0.19				SR12	8/11/2019 5:17	0.18			
SR4	8/11/2019 5:37	0.19				SR12	8/11/2019 5:37	0.20			
SR4	8/11/2019 5:57	0.19				SR12	8/11/2019 5:57	0.19			
SR4						SR12					
SR4	8/11/2019 6:37	0.19				SR12	8/11/2019 6:37	0.19			
SR4	8/11/2019 6:57	0.20				SR12	8/11/2019 6:57	0.18			
SR4	8/11/2019 7:17	0.20				SR12	8/11/2019 7:17	0.20			
SR4	8/11/2019 7:37	0.19				SR12	8/11/2019 7:37	0.18			
SR4	8/11/2019 7:57	0.18				SR12	8/11/2019 7:57	0.18			
SR4	8/11/2019 8:17	0.18				SR12	8/11/2019 8:17	0.18			
SR4	8/11/2019 8:37	0.18				SR12	8/11/2019 8:37	0.18			
SR4	8/11/2019 8:57	0.20				SR12	8/11/2019 8:57	0.20			
SR4	8/11/2019 9:17	0.18				SR12	8/11/2019 9:17	0.20			
SR4	8/11/2019 9:37	0.17				SR12	8/11/2019 9:37	0.18			
SR4	8/11/2019 9:57	0.17				SR12	8/11/2019 9:57	0.17			
SR4	8/11/2019 10:17	0.18				SR12	8/11/2019 10:17	0.17			
SR4	8/11/2019 10:37	0.17				SR12	8/11/2019 10:37	0.17			
SR4	8/11/2019 10:57	0.18				SR12	8/11/2019 10:57	0.18			
SR4	8/11/2019 11:17	0.18				SR12	8/11/2019 11:17	0.19			
SR4	8/11/2019 11:37	0.17				SR12	8/11/2019 11:37	0.19			
SR4	8/11/2019 11:57	0.18				SR12	8/11/2019 11:57	0.18			
SR4	8/11/2019 12:17	0.19				SR12	8/11/2019 12:17	0.18			
SR4	8/11/2019 12:37	0.19				SR12	8/11/2019 12:37	0.17			
SR4	8/11/2019 12:57	0.18				SR12	8/11/2019 12:57	0.17			
SR4	8/11/2019 13:17	0.18				SR12	8/11/2019 13:17	0.17			
SR4	8/11/2019 13:37	0.18				SR12	8/11/2019 13:37	0.18			
SR4	8/11/2019 13:57	0.19				SR12	8/11/2019 13:57	0.19			
SR4	8/11/2019 14:17	0.17				SR12	8/11/2019 14:17	0.19			
SR4	8/11/2019 14:37	0.18				SR12	8/11/2019 14:37	0.18			
SR4	8/11/2019 14:57	0.17				SR12	8/11/2019 14:57	0.17			
SR4	8/11/2019 15:17	0.19				SR12	8/11/2019 15:17	0.19			
SR4	8/11/2019 15:37	0.19				SR12	8/11/2019 15:37	0.17			
SR4	8/11/2019 15:57	0.18				SR12	8/11/2019 15:57	0.19			
SR4	8/11/2019 16:17	0.17				SR12	8/11/2019 16:17	0.17			
SR4	8/11/2019 16:37	0.19				SR12	8/11/2019 16:37	0.19			
SR4	8/11/2019 16:57	0.17				SR12	8/11/2019 16:57	0.17			
SR4	8/11/2019 17:17	0.19				SR12	8/11/2019 17:17	0.17			
SR4	8/11/2019 17:37	0.17				SR12	8/11/2019 17:37	0.18			
SR4	8/11/2019 17:57	0.16				SR12	8/11/2019 17:57	0.16			
SR4	8/11/2019 18:17	0.16				SR12	8/11/2019 18:17	0.18			
SR4	8/11/2019 18:37	0.17				SR12	8/11/2019 18:37	0.18			
SR4	8/11/2019 18:57	0.18				SR12	8/11/2019 18:57	0.16			
SR4	8/11/2019 19:17	0.16				SR12	8/11/2019 19:17	0.16			
SR4	8/11/2019 19:37	0.17				SR12	8/11/2019 19:37	0.17			
SR4	8/11/2019 19:57	0.17				SR12	8/11/2019 19:57	0.17			
SR4	8/11/2019 20:17	0.16				SR12	8/11/2019 20:17	0.16			
SR4	8/11/2019 20:37	0.17				SR12	8/11/2019 20:37	0.17			
SR4	8/11/2019 20:57	0.18				SR12	8/11/2019 20:57	0.18			
SR4	8/11/2019 21:17	0.18				SR12	8/11/2019 21:17	0.18			
SR4	8/11/2019 21:37	0.18				SR12	8/11/2019 21:37	0.18			
SR4	8/11/2019 21:57	0.18				SR12	8/11/2019 21:57	0.18			
SR4	8/11/2019 22:17	0.17				SR12	8/11/2019 22:17	0.17			
SR4	8/11/2019 22:37	0.16				SR12	8/11/2019 22:37	0.16			
SR4	8/11/2019 22:57	0.18				SR12	8/11/2019 22:57	0.17			
SR4	8/11/2019 23:17	0.17				SR12	8/11/2019 23:17	0.16			
SR4	8/11/2019 23:37	0.17				SR12	8/11/2019 23:37	0.16			
SR4	8/11/2019 23:57	0.18				SR12	8/11/2019 23:57	0.17			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/12/2019 0:01	29.67	48.9	4.23	7.7	SR4	8/12/2019 6:01	29.64	77.2	5.25	10.3	SR4	8/12/2019 12:01	29.82	92.6	6.23	6.3	SR4	8/12/2019 18:01	29.33	92.4	6.26	9.6
SR4	8/12/2019 0:06	29.62	40.5	4.23	7.6	SR4	8/12/2019 6:06	29.63	84.7	5.77	7.6	SR4	8/12/2019 12:06	29.88	81.4	5.48	9.6	SR4	8/12/2019 18:06	29.35	90.3	6.12	7.7
SR4	8/12/2019 0:11	29.62	28.3	4.18	8.6	SR4	8/12/2019 6:11	29.63	78.8	5.37	7.2	SR4	8/12/2019 12:11	29.84	87.0	5.86	9.8	SR4	8/12/2019 18:11	29.39	94.6	6.40	9.9
SR4	8/12/2019 0:16	29.62	27.7	4.72	8.8	SR4	8/12/2019 6:16	29.62	81.5	5.54	13.5	SR4						SR4	8/12/2019 18:16	29.32	94.0	6.36	9.5
SR4	8/12/2019 0:21	29.52	22.1	4.50	9.6	SR4	8/12/2019 6:21	29.61	82.6	5.63	9.5	SR4						SR4	8/12/2019 18:21	29.40	93.7	6.34	9.6
SR4	8/12/2019 0:26	29.50	12.1	4.90	7.8	SR4	8/12/2019 6:26	29.62	82.0	5.56	10.6	SR4						SR4	8/12/2019 18:26	29.35	92.8	6.28	9.3
SR4	8/12/2019 0:31	29.63	22.5	4.62	7.6	SR4	8/12/2019 6:31	29.61	84.4	5.75	7.2	SR4						SR4	8/12/2019 18:31	29.44	86.4	5.85	7.4
SR4	8/12/2019 0:36	29.53	9.4	4.91	17.5	SR4	8/12/2019 6:36	29.60	84.2	5.74	8.3	SR4						SR4	8/12/2019 18:36	29.36	87.0	5.89	7.3
SR4	8/12/2019 0:41	29.67	32.6	4.45	8.2	SR4	8/12/2019 6:41	29.60	82.6	5.63	8.6	SR4						SR4	8/12/2019 18:41	29.39	81.9	5.55	9.8
SR4	8/12/2019 0:46	29.68	34.4	4.40	7.1	SR4	8/12/2019 6:46	29.62	73.2	4.97	9.9	SR4						SR4	8/12/2019 18:46	29.34	78.3	5.30	8.6
SR4	8/12/2019 0:51	29.61	30.5	4.69	6.3	SR4	8/12/2019 6:51	29.60	75.5	5.15	9.9	SR4						SR4	8/12/2019 18:51	29.41	80.5	5.45	9.9
SR4	8/12/2019 0:56	29.73	48.2	4.85	8.6	SR4	8/12/2019 6:56	29.59	78.1	5.33	7.0	SR4						SR4	8/12/2019 18:56	29.34	81.9	5.54	7.6
SR4	8/12/2019 1:01	29.71	50.7	4.63	9.5	SR4	8/12/2019 7:01	29.60	75.2	5.12	20.3	SR4						SR4	8/12/2019 19:01	30.00	79.2	5.36	9.7
SR4	8/12/2019 1:06	29.69	50.8	4.97	13.5	SR4	8/12/2019 7:06	29.61	69.6	4.74	9.7	SR4						SR4	8/12/2019 19:06	29.95	90.1	6.11	9.8
SR4	8/12/2019 1:11	29.67	58.5	3.97	14.5	SR4	8/12/2019 7:11	29.62	72.7	4.94	20.2	SR4						SR4	8/12/2019 19:11	29.93	82.1	5.57	9.9
SR4	8/12/2019 1:16	29.73	66.7	4.53	9.7	SR4	8/12/2019 7:16	29.63	65.6	4.46	9.9	SR4	8/12/2019 13:16	29.57	97.3	7.37	8.8	SR4	8/12/2019 19:16	29.87	74.6	5.08	7.3
SR4	8/12/2019 1:21	29.72	76.2	5.17	5.9	SR4	8/12/2019 7:21	29.62	72.2	4.91	11.1	SR4	8/12/2019 13:21	29.56	97.0	7.35	7.3	SR4	8/12/2019 19:21	29.91	70.9	4.82	13.6
SR4	8/12/2019 1:26	29.71	61.0	4.14	8.3	SR4	8/12/2019 7:26	29.60	73.3	4.98	9.6	SR4	8/12/2019 13:26	29.58	97.0	7.35	8.7	SR4	8/12/2019 19:26	29.91	73.9	5.02	5.6
SR4	8/12/2019 1:31	29.71	67.1	4.56	9.0	SR4	8/12/2019 7:31	29.62	75.6	5.14	9.6	SR4	8/12/2019 13:31	29.65	97.0	7.34	5.9	SR4	8/12/2019 19:31	29.89	69.6	4.74	20.7
SR4	8/12/2019 1:36	29.62	42.1	4.86	8.7	SR4	8/12/2019 7:36	29.62	73.7	5.02	7.8	SR4	8/12/2019 13:36	29.62	97.4	7.40	9.2	SR4	8/12/2019 19:36	29.89	75.6	5.14	9.4
SR4	8/12/2019 1:41	29.61	48.8	4.16	12.0	SR4	8/12/2019 7:41	29.61	75.4	5.12	9.9	SR4	8/12/2019 13:41	29.38	97.4	7.40	8.2	SR4	8/12/2019 19:41	29.82	77.3	5.27	13.8
SR4	8/12/2019 1:46	29.65	37.9	4.89	8.2	SR4	8/12/2019 7:46	29.59	76.9	5.22	8.7	SR4	8/12/2019 13:46	29.56	97.3	7.38	7.6	SR4	8/12/2019 19:46	29.84	73.0	4.98	6.6
SR4	8/12/2019 1:51	29.69	38.6	4.47	10.5	SR4	8/12/2019 7:51	29.47	74.1	5.01	8.8	SR4	8/12/2019 13:51	29.57	97.0	7.35	7.8	SR4	8/12/2019 19:51	29.88	76.0	5.17	6.7
SR4	8/12/2019 1:56	29.71	53.9	4.95	9.3	SR4	8/12/2019 7:56	29.38	75.9	5.13	8.9	SR4	8/12/2019 13:56	29.41	97.4	7.40	6.9	SR4	8/12/2019 19:56	29.85	78.3	5.33	15.2
SR4	8/12/2019 2:01	29.69	66.1	4.48	7.8	SR4	8/12/2019 8:01	29.40	73.5	4.97	8.7	SR4	8/12/2019 14:01	29.26	97.4	7.42	7.5	SR4	8/12/2019 20:01	29.84	74.8	5.10	8.8
SR4	8/12/2019 2:06	29.69	66.4	4.51	7.0	SR4	8/12/2019 8:06	29.52	74.6	5.06	8.9	SR4	8/12/2019 14:06	28.99	97.5	7.47	6.9	SR4	8/12/2019 20:06	29.89	72.0	4.89	8.4
SR4	8/12/2019 2:11	29.69	64.5	4.38	8.6	SR4	8/12/2019 8:11	29.49	75.9	5.14	9.0	SR4	8/12/2019 14:11	29.39	97.3	7.40	6.8	SR4	8/12/2019 20:11	29.87	67.3	4.58	7.2
SR4	8/12/2019 2:16	29.69	68.7	4.66	7.9	SR4	8/12/2019 8:16	29.40	72.0	4.88	9.1	SR4	8/12/2019 14:16	29.25	97.5	7.44	6.8	SR4	8/12/2019 20:16	29.74	64.8	4.42	8.2
SR4	8/12/2019 2:21	29.68	72.8	4.94	6.7	SR4	8/12/2019 8:21	29.43	74.7	5.06	9.1	SR4	8/12/2019 14:21	29.11	97.5	7.46	6.4	SR4	8/12/2019 20:21	29.89	64.4	4.38	7.8
SR4	8/12/2019 2:26	29.68	69.5	4.72	7.4	SR4	8/12/2019 8:26	29.40	77.1	5.22	8.8	SR4	8/12/2019 14:26	29.41	97.4	7.40	6.6	SR4	8/12/2019 20:26	29.98	81.0	5.49	8.8
SR4	8/12/2019 2:31	29.67	66.7	4.53	5.6	SR4	8/12/2019 8:31	29.43	76.2	5.16	9.1	SR4	8/12/2019 14:31	29.11	97.4	7.45	6.3	SR4	8/12/2019 20:31	29.91	79.7	5.41	6.9
SR4	8/12/2019 2:36	29.67	60.8	4.13	6.2	SR4	8/12/2019 8:36	29.51	73.0	4.95	8.7	SR4	8/12/2019 14:36	29.03	97.4	7.46	6.2	SR4	8/12/2019 20:36	29.85	68.2	4.64	11.2
SR4	8/12/2019 2:41	29.67	61.2	4.16	6.6	SR4	8/12/2019 8:41	29.48	79.4	5.38	8.9	SR4	8/12/2019 14:41	28.87	97.6	7.49	6.2	SR4	8/12/2019 20:41	29.90	69.1	4.69	9.2
SR4	8/12/2019 2:46	29.68	67.7	4.60	6.6	SR4	8/12/2019 8:46	29.48	77.1	5.22	9.1	SR4	8/12/2019 14:46	28.89	97.4	7.48	6.2	SR4	8/12/2019 20:46	29.76	56.8	3.87	9.4
SR4	8/12/2019 2:51	29.68	69.8	4.74	9.2	SR4	8/12/2019 8:51	29.53	75.9	5.14	9.1	SR4	8/12/2019 14:51	28.81	97.7	7.50	7.8	SR4	8/12/2019 20:51	29.72	51.4	4.61	7.0
SR4	8/12/2019 2:56	29.67	66.7	4.53	8.6	SR4	8/12/2019 8:56	29.52	75.9	5.14	9.4	SR4	8/12/2019 14:56	28.91	97.4	7.48	6.6	SR4	8/12/2019 20:56	29.73	57.0	3.90	8.9
SR4	8/12/2019 3:01	29.64	82.3	5.58	9.4	SR4	8/12/2019 9:01	29.53	73.8	5.00	9.4	SR4	8/12/2019 15:01	28.65	97.6	7.53	6.4	SR4	8/12/2019 21:01	29.68	60.4	4.12	5.9
SR4	8/12/2019 3:06	29.64	80.1	5.44	9.7	SR4	8/12/2019 9:06	29.50	74.7	5.06	9.4	SR4	8/12/2019 15:06	28.88	97.4	7.48	7.4	SR4	8/12/2019 21:06	29.82	63.3	4.31	7.8
SR4	8/12/2019 3:11	29.66	77.3	5.25	8.0	SR4	8/12/2019 9:11	29.60	83.3	5.64	9.2	SR4	8/12/2019 15:11	28.79	97.6	7.51	6.6	SR4	8/12/2019 21:11	29.75	48.1	4.48	18.7
SR4	8/12/2019 3:16	29.66	73.9	5.02	9.7	SR4	8/12/2019 9:16	29.32	78.1	5.27	8.9	SR4	8/12/2019 15:16	28.78	97.7	7.52	6.4	SR4	8/12/2019 21:16	29.80	48.7	4.48	9.6
SR4	8/12/2019 3:21	29.68	86.1	5.85	9.8	SR4	8/12/2019 9:21	29.48	79.9	5.40	8.8	SR4	8/12/2019 15:21	28.93	97.6	7.49	6.2	SR4	8/12/2019 21:21	29.80	54.1	4.50	5.7
SR4	8/12/2019 3:26	29.68	81.0	5.50	7.2	SR4	8/12/2019 9:26	29.37	77.4	5.22	8.8	SR4	8/12/2019 15:26	29.10	97.3	7.45	6.3	SR4	8/12/2019 21:26	29.81	49.9	4.88	7.6
SR4	8/12/2019 3:31	29.67	77.2	5.25	5.6	SR4	8/12/2019 9:31	29.33	76.9	5.18	8.8	SR4	8/12/2019 15:31	29.22	97.3	7.41	7.8	SR4	8/12/2019 21:31	29.81	50.6	4.78	7.5
SR4	8/12/2019 3:36	29.67	84.4	5.73	7.0	SR4	8/12/2019 9:36	29.38	78.8	5.32	8.9	SR4	8/12/2019 15:36	29.34	97.3	7.39	8.4	SR4	8/12/2019 21:36	29.81	46.8	4.58	7.1
SR4	8/12/2019 3:41	29.67	84.1	5.71	9.2	SR4	8/12/2019 9:41	29.56	78.6	5.30	8.9	SR4	8/12/2019 15:41	29.19	97.2	7.40	7.2	SR4	8/12/2019 21:41	29.84	56.8	3.87	6.4
SR4	8/12/2019 3:46	29.67	81.4	5.53	9.6	SR4	8/12/2019 9:46	29.53	81.1	5.47	9.5	SR4	8/12/2019 15:46	29.19	97.3	7.41	8.0	SR4	8/12/2019 21:46	29.81	46.4	4.92	7.3
SR4	8/12/2019 3:51	29.67	81.5	5.54	5.7	SR4	8/12/2019 9:51	29.52	82.1	5.54	9.3	SR4	8/12/2019 15:51	29.77	96.6	7.27	8.0	SR4	8/12/2019 21:51	29.87	55.5	4.81	8.0
SR4	8/12/2019 3:56	29.67	81.8	5.56	6.6	SR4	8/12/2019 9:56	29.58	66.3	4.48	9.4	SR4	8/12/2019 15:56	29.05	97.2	7.42	7.9	SR4	8/12/2019 21:56	29.86	46.9	4.40	9.5
SR4	8/12/2019 4:01	29.67	81.3	5.53	20.5	SR4	8/12/2019 10:01	29.52	55.9	3.78	8.9	SR4	8/12/2019 16:01	29.01	97.4	7.45	7.2	SR4	8/12/2019 22:01	29.87	53.3	4.50	6.0

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/12/2019 0:00	30.12	79.2	6.34	5.0	SR5	8/12/2019 6:00	29.39	80.8	5.65	9.1	SR5	8/12/2019 12:00	30.56	87.5	6.23	6.8	SR5	8/12/2019 18:00	30.45	86.0	6.18	8.2
SR5	8/12/2019 0:05	30.16	80.5	6.40	6.1	SR5	8/12/2019 6:05	29.34	83.8	5.95	7.6	SR5	8/12/2019 12:05	30.48	82.0	5.75	8.6	SR5	8/12/2019 18:05	30.48	86.4	6.17	7.0
SR5	8/12/2019 0:10	30.14	82.6	6.52	5.3	SR5	8/12/2019 6:10	29.37	79.9	5.64	7.5	SR5	8/12/2019 12:10	30.50	85.0	6.01	8.9	SR5	8/12/2019 18:10	30.45	86.5	6.34	8.3
SR5	8/12/2019 0:15	30.15	79.9	6.36	6.6	SR5	8/12/2019 6:15	29.34	81.2	5.75	10.7	SR5	8/12/2019 12:15	30.59	92.0	6.49	8.6	SR5	8/12/2019 18:15	30.28	88.0	6.31	8.1
SR5	8/12/2019 0:20	30.16	79.1	6.32	6.2	SR5	8/12/2019 6:20	29.30	80.9	5.76	8.5	SR5	8/12/2019 12:20	30.55	88.3	6.28	8.1	SR5	8/12/2019 18:20	30.34	84.2	6.10	8.7
SR5	8/12/2019 0:25	30.18	78.2	6.26	5.4	SR5	8/12/2019 6:25	29.28	84.3	5.91	8.5	SR5	8/12/2019 12:25	30.84	86.6	6.18	9.1	SR5	8/12/2019 18:25	30.10	84.6	6.11	8.1
SR5	8/12/2019 0:30	30.14	80.1	6.39	4.9	SR5	8/12/2019 6:30	29.26	84.9	6.00	6.9	SR5	8/12/2019 12:30	30.60	85.3	6.07	8.7	SR5	8/12/2019 18:30	29.70	82.0	5.86	6.9
SR5	8/12/2019 0:35	30.19	80.0	6.38	4.9	SR5	8/12/2019 6:35	29.28	83.0	5.90	7.6	SR5	8/12/2019 12:35	30.67	85.3	6.29	9.2	SR5	8/12/2019 18:35	29.65	84.2	5.98	6.8
SR5	8/12/2019 0:40	30.17	79.0	6.32	5.9	SR5	8/12/2019 6:40	29.23	82.2	5.83	7.6	SR5	8/12/2019 12:40	30.68	79.7	5.95	8.8	SR5	8/12/2019 18:40	29.63	82.4	5.80	8.6
SR5	8/12/2019 0:45	30.16	78.7	6.29	5.2	SR5	8/12/2019 6:45	29.22	77.1	5.38	9.1	SR5	8/12/2019 12:45	30.65	81.4	6.03	7.6	SR5	8/12/2019 18:45	29.61	77.7	5.49	8.2
SR5	8/12/2019 0:50	30.19	78.6	6.32	5.4	SR5	8/12/2019 6:50	29.24	79.6	5.57	8.6	SR5	8/12/2019 12:50	30.71	83.3	6.44	7.4	SR5	8/12/2019 18:50	29.54	80.0	5.65	8.4
SR5	8/12/2019 0:55	30.20	76.8	6.18	6.2	SR5	8/12/2019 6:55	29.18	83.8	5.84	6.9	SR5	8/12/2019 12:55	30.72	88.8	6.92	10.6	SR5	8/12/2019 18:55	29.60	82.0	5.77	10.1
SR5	8/12/2019 1:00	30.21	78.4	6.31	4.3	SR5	8/12/2019 7:00	29.22	78.0	5.47	14.4	SR5	8/12/2019 13:00	30.62	88.3	6.81	8.0	SR5	8/12/2019 19:00	29.56	77.4	5.49	9.4
SR5	8/12/2019 1:05	30.20	77.9	6.24	5.4	SR5	8/12/2019 7:05	28.98	77.9	5.36	9.0	SR5	8/12/2019 13:05	30.63	83.5	6.49	6.4	SR5	8/12/2019 19:05	29.55	83.6	6.02	9.7
SR5	8/12/2019 1:10	30.19	79.1	6.35	5.2	SR5	8/12/2019 7:10	28.90	79.4	5.49	13.3	SR5	8/12/2019 13:10	30.64	86.9	6.75	9.0	SR5	8/12/2019 19:10	29.55	82.5	5.82	6.9
SR5	8/12/2019 1:15	30.19	79.7	6.34	5.6	SR5	8/12/2019 7:15	28.95	72.2	4.99	8.4	SR5	8/12/2019 13:15	30.65	85.8	6.76	8.0	SR5	8/12/2019 19:15	29.51	76.5	5.38	7.4
SR5	8/12/2019 1:20	30.18	78.7	6.29	5.8	SR5	8/12/2019 7:20	29.00	78.6	5.45	9.3	SR5	8/12/2019 13:20	30.60	87.9	6.86	7.1	SR5	8/12/2019 19:20	29.47	73.2	5.13	8.3
SR5	8/12/2019 1:25	30.19	81.1	6.43	4.3	SR5	8/12/2019 7:25	29.07	78.3	5.45	8.1	SR5	8/12/2019 13:25	30.63	86.5	6.79	8.2	SR5	8/12/2019 19:25	29.53	78.0	5.44	7.3
SR5	8/12/2019 1:30	30.18	81.3	6.46	5.8	SR5	8/12/2019 7:30	28.96	77.2	5.43	8.7	SR5	8/12/2019 13:30	30.63	86.9	6.80	6.7	SR5	8/12/2019 19:30	29.52	76.5	5.29	6.5
SR5	8/12/2019 1:35	30.18	81.5	6.46	5.3	SR5	8/12/2019 7:35	29.02	80.3	5.57	8.0	SR5	8/12/2019 13:35	30.68	90.4	7.02	8.9	SR5	8/12/2019 19:35	29.47	77.2	5.43	9.9
SR5	8/12/2019 1:40	30.18	80.3	6.41	5.1	SR5	8/12/2019 7:40	29.22	78.2	5.48	9.3	SR5	8/12/2019 13:40	30.71	89.7	6.98	8.1	SR5	8/12/2019 19:40	29.42	80.5	5.64	11.5
SR5	8/12/2019 1:45	30.18	78.3	6.29	6.2	SR5	8/12/2019 7:45	29.12	78.7	5.52	7.8	SR5	8/12/2019 13:45	30.79	86.4	6.80	7.7	SR5	8/12/2019 19:45	29.45	83.9	6.64	5.8
SR5	8/12/2019 1:50	30.18	78.2	6.28	5.4	SR5	8/12/2019 7:50	29.45	77.0	5.37	8.5	SR5	8/12/2019 13:50	30.70	88.9	6.92	7.2	SR5	8/12/2019 19:50	29.42	83.6	6.60	6.7
SR5	8/12/2019 1:55	30.17	79.4	6.33	5.0	SR5	8/12/2019 7:55	29.59	80.5	5.59	8.7	SR5	8/12/2019 13:55	30.71	86.5	6.82	7.3	SR5	8/12/2019 19:55	29.26	81.7	6.47	7.1
SR5	8/12/2019 2:00	30.17	81.5	6.47	6.3	SR5	8/12/2019 8:00	29.71	80.4	5.54	8.2	SR5	8/12/2019 14:00	30.86	90.1	7.02	7.0	SR5	8/12/2019 20:00	29.35	81.9	6.50	6.1
SR5	8/12/2019 2:05	30.16	77.6	6.23	3.8	SR5	8/12/2019 8:05	29.63	77.3	5.41	7.8	SR5	8/12/2019 14:05	30.78	89.0	6.99	7.0	SR5	8/12/2019 20:05	29.08	83.5	6.61	7.1
SR5	8/12/2019 2:10	30.18	79.1	6.32	5.4	SR5	8/12/2019 8:10	29.59	80.5	5.60	7.7	SR5	8/12/2019 14:10	30.83	86.0	6.79	6.6	SR5	8/12/2019 20:10	29.11	82.5	6.56	6.8
SR5	8/12/2019 2:15	30.19	81.7	6.47	5.6	SR5	8/12/2019 8:15	29.65	75.7	5.28	8.4	SR5	8/12/2019 14:15	30.85	87.1	6.87	7.0	SR5	8/12/2019 20:15	29.05	81.6	6.52	6.5
SR5	8/12/2019 2:20	30.18	82.3	6.50	5.8	SR5	8/12/2019 8:20	29.59	81.8	5.64	8.2	SR5	8/12/2019 14:20	30.87	88.4	6.95	7.3	SR5	8/12/2019 20:20	29.03	80.4	6.40	5.9
SR5	8/12/2019 2:25	30.17	78.4	6.27	6.1	SR5	8/12/2019 8:25	29.61	80.0	5.59	8.1	SR5	8/12/2019 14:25	30.85	86.7	6.82	7.3	SR5	8/12/2019 20:25	29.01	82.2	6.53	7.4
SR5	8/12/2019 2:30	30.17	81.0	6.44	6.5	SR5	8/12/2019 8:30	29.60	80.4	5.60	8.6	SR5	8/12/2019 14:30	30.88	90.6	7.07	7.4	SR5	8/12/2019 20:30	29.00	82.4	6.50	5.9
SR5	8/12/2019 2:35	30.17	81.8	6.47	6.2	SR5	8/12/2019 8:35	29.59	76.7	5.35	8.2	SR5	8/12/2019 14:35	30.85	86.2	6.84	7.3	SR5	8/12/2019 20:35	28.95	84.6	6.65	6.3
SR5	8/12/2019 2:40	30.17	82.7	6.52	5.7	SR5	8/12/2019 8:40	29.65	82.5	5.77	7.9	SR5	8/12/2019 14:40	30.86	89.0	7.00	7.4	SR5	8/12/2019 20:40	28.93	82.6	6.56	6.8
SR5	8/12/2019 2:45	30.16	79.1	6.33	4.1	SR5	8/12/2019 8:45	29.77	79.4	5.56	9.0	SR5	8/12/2019 14:45	30.94	85.5	6.81	7.4	SR5	8/12/2019 20:45	28.94	83.7	6.58	7.6
SR5	8/12/2019 2:50	30.16	83.8	6.60	4.3	SR5	8/12/2019 8:50	29.80	77.4	5.43	9.0	SR5	8/12/2019 14:50	30.91	88.1	6.95	7.2	SR5	8/12/2019 20:50	29.09	82.4	6.53	5.9
SR5	8/12/2019 2:55	30.18	81.0	6.44	5.3	SR5	8/12/2019 8:55	29.89	80.2	5.58	7.8	SR5	8/12/2019 14:55	30.90	87.9	6.94	6.7	SR5	8/12/2019 20:55	29.08	81.8	6.47	6.8
SR5	8/12/2019 3:00	30.17	79.9	6.35	3.7	SR5	8/12/2019 9:00	29.92	78.4	5.45	9.1	SR5	8/12/2019 15:00	30.89	86.8	6.91	7.5	SR5	8/12/2019 21:00	28.97	84.6	6.64	7.2
SR5	8/12/2019 3:05	30.19	82.7	6.51	4.6	SR5	8/12/2019 9:05	29.96	79.0	5.50	9.0	SR5	8/12/2019 15:05	30.90	87.1	6.90	8.0	SR5	8/12/2019 21:05	28.96	84.1	6.59	5.5
SR5	8/12/2019 3:10	30.19	78.8	6.29	4.3	SR5	8/12/2019 9:10	29.91	84.6	5.94	8.1	SR5	8/12/2019 15:10	30.92	89.1	7.02	6.7	SR5	8/12/2019 21:10	29.02	85.6	6.70	5.0
SR5	8/12/2019 3:15	30.19	83.3	6.55	5.0	SR5	8/12/2019 9:15	29.96	82.2	5.71	7.9	SR5	8/12/2019 15:15	31.02	88.3	6.98	6.6	SR5	8/12/2019 21:15	29.08	84.2	6.64	5.9
SR5	8/12/2019 3:20	30.20	80.7	6.41	5.0	SR5	8/12/2019 9:20	30.00	83.2	5.80	8.8	SR5	8/12/2019 15:20	31.00	88.2	6.95	7.0	SR5	8/12/2019 21:20	29.00	81.5	6.47	6.3
SR5	8/12/2019 3:25	30.17	80.5	6.42	6.8	SR5	8/12/2019 9:25	30.01	83.7	5.78	7.8	SR5	8/12/2019 15:25	31.02	87.7	6.91	7.5	SR5	8/12/2019 21:25	28.99	82.3	6.50	5.8
SR5	8/12/2019 3:30	30.16	80.7	6.39	5.6	SR5	8/12/2019 9:30	30.01	80.1	5.57	8.7	SR5	8/12/2019 15:30	31.12	85.4	6.76	7.2	SR5	8/12/2019 21:30	28.98	85.2	6.70	8.0
SR5	8/12/2019 3:35	30.16	85.4	6.66	6.5	SR5	8/12/2019 9:35	30.02	84.2	5.83	8.0	SR5	8/12/2019 15:35	31.12	88.4	6.91	7.8	SR5	8/12/2019 21:35	28.92	81.2	6.48	5.5
SR5	8/12/2019 3:40	30.15	84.9	6.66	4.5	SR5	8/12/2019 9:40	30.03	83.0	5.76	7.7	SR5	8/12/2019 15:40	31.11	87.8	6.89	7.8	SR5	8/12/2019 21:40	28.96	81.1	6.43	6.6
SR5	8/12/2019 3:45	30.17	85.3	6.68	6.0	SR5	8/12/2019 9:45	30.07	83.1	5.81	8.2	SR5	8/12/2019 15:45	31.15	85.2	6.76	8.5	SR5	8/12/2019 21:45	28.91	86.5	6.76	7.9
SR5	8/12/2019 3:50	30.16	80.8	6.41	6.7	SR5	8/12/2019 9:50	30.07	84.4	5.90	8.8	SR5	8/12/2019 15:50	31.15	86.4	6.75	8.2	SR5	8/12/2019 21:50	28.88	84.6	6.67	5.7
SR5	8/12/2019 3:55	30.16	81.0	6.44	5.4	SR5	8/12/2019 9:55</																

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/12/2019 0:01	29.64	67.6	5.06	7.4	SR12	8/12/2019 6:01	29.04	61.6	4.61	7.9	SR12	8/12/2019 12:01	29.40	67.8	4.67	10.1	SR12	8/12/2019 18:01	29.76	69.6	4.81	8.0
SR12	8/12/2019 0:06	29.49	63.6	4.76	8.1	SR12	8/12/2019 6:06	29.08	65.5	4.90	8.0	SR12	8/12/2019 12:06	29.39	64.0	4.79	7.0	SR12	8/12/2019 18:06	29.73	68.0	4.70	6.9
SR12	8/12/2019 0:11	29.60	66.8	5.00	7.2	SR12	8/12/2019 6:11	29.11	63.1	4.72	8.0	SR12	8/12/2019 12:11	29.41	68.9	5.16	8.1	SR12	8/12/2019 18:11	29.74	68.7	4.75	8.0
SR12	8/12/2019 0:16	29.42	63.7	4.77	7.4	SR12	8/12/2019 6:16	29.22	69.3	5.19	6.8	SR12	8/12/2019 12:16	29.38	62.5	4.68	7.8	SR12	8/12/2019 18:16	29.71	63.5	4.75	6.8
SR12	8/12/2019 0:21	29.54	67.7	5.07	9.5	SR12	8/12/2019 6:21	29.25	67.1	5.02	7.6	SR12	8/12/2019 12:21	29.39	68.9	5.16	7.0	SR12	8/12/2019 18:21	29.65	66.5	4.59	7.2
SR12	8/12/2019 0:26	29.49	62.8	4.70	7.6	SR12	8/12/2019 6:26	29.30	68.1	5.10	6.7	SR12	8/12/2019 12:26	29.38	67.7	5.07	7.7	SR12	8/12/2019 18:26	29.70	67.4	4.65	7.4
SR12	8/12/2019 0:31	29.52	69.5	5.20	7.9	SR12	8/12/2019 6:31	29.30	66.7	4.99	7.5	SR12	8/12/2019 12:31	29.41	61.9	4.63	7.6	SR12	8/12/2019 18:31	29.67	66.3	4.96	8.3
SR12	8/12/2019 0:36	29.58	66.0	4.94	7.5	SR12	8/12/2019 6:36	29.23	68.4	5.12	7.9	SR12	8/12/2019 12:36	29.44	68.9	4.75	7.3	SR12	8/12/2019 18:36	29.67	66.0	4.94	7.7
SR12	8/12/2019 0:41	29.52	62.8	4.70	7.2	SR12	8/12/2019 6:41	29.17	62.0	4.64	7.5	SR12	8/12/2019 12:41	29.51	67.7	4.67	8.0	SR12	8/12/2019 18:41	29.64	63.5	4.75	6.7
SR12	8/12/2019 0:46	29.55	66.7	4.99	8.2	SR12	8/12/2019 6:46	29.17	66.7	4.99	7.4	SR12	8/12/2019 12:46	29.48	68.5	4.73	8.1	SR12	8/12/2019 18:46	29.64	62.3	4.66	7.4
SR12	8/12/2019 0:51	29.47	66.9	5.01	8.1	SR12	8/12/2019 6:51	29.35	63.3	4.74	6.9	SR12	8/12/2019 12:51	29.46	67.5	4.65	6.7	SR12	8/12/2019 18:51	29.59	66.7	4.99	8.4
SR12	8/12/2019 0:56	29.51	66.5	4.98	8.0	SR12	8/12/2019 6:56	29.36	66.9	5.01	7.4	SR12	8/12/2019 12:56	29.45	68.3	5.11	7.8	SR12	8/12/2019 18:56	29.59	65.1	4.87	7.9
SR12	8/12/2019 1:01	29.53	67.1	5.02	6.5	SR12	8/12/2019 7:01	29.41	69.2	5.18	8.2	SR12	8/12/2019 13:01	29.50	69.5	4.80	7.3	SR12	8/12/2019 19:01	29.59	69.3	5.19	7.2
SR12	8/12/2019 1:06	29.45	61.5	4.60	7.5	SR12	8/12/2019 7:06	29.43	65.3	4.89	7.7	SR12	8/12/2019 13:06	29.48	67.8	4.68	8.6	SR12	8/12/2019 19:06	29.60	67.6	5.06	8.5
SR12	8/12/2019 1:11	29.48	66.0	4.94	7.9	SR12	8/12/2019 7:11	29.40	66.1	4.95	6.8	SR12	8/12/2019 13:11	29.51	68.4	4.72	7.8	SR12	8/12/2019 19:11	29.59	63.6	4.76	7.3
SR12	8/12/2019 1:16	29.47	65.6	4.91	7.6	SR12	8/12/2019 7:16	29.41	63.6	4.76	8.1	SR12	8/12/2019 13:16	29.50	66.5	4.59	7.8	SR12	8/12/2019 19:16	29.56	64.4	4.82	8.4
SR12	8/12/2019 1:21	29.42	67.5	5.05	8.1	SR12	8/12/2019 7:21	29.34	62.3	4.66	6.7	SR12	8/12/2019 13:21	29.51	67.5	4.66	7.4	SR12	8/12/2019 19:21	29.58	63.3	4.74	8.0
SR12	8/12/2019 1:26	29.46	63.3	4.74	7.1	SR12	8/12/2019 7:26	29.37	63.9	4.78	8.2	SR12	8/12/2019 13:26	29.51	67.4	4.65	8.1	SR12	8/12/2019 19:26	29.54	69.1	5.17	8.2
SR12	8/12/2019 1:31	29.46	63.5	4.75	8.6	SR12	8/12/2019 7:31	29.22	68.0	5.09	8.0	SR12	8/12/2019 13:31	29.54	68.3	4.71	7.9	SR12	8/12/2019 19:31	29.59	66.2	4.58	7.6
SR12	8/12/2019 1:36	29.50	61.6	4.61	7.7	SR12	8/12/2019 7:36	29.38	69.1	5.17	8.2	SR12	8/12/2019 13:36	29.52	67.1	4.63	7.5	SR12	8/12/2019 19:36	29.57	69.6	5.21	7.5
SR12	8/12/2019 1:41	29.49	65.7	4.92	7.8	SR12	8/12/2019 7:41	29.38	66.0	4.94	7.1	SR12	8/12/2019 13:41	29.56	67.2	4.64	7.3	SR12	8/12/2019 19:41	29.54	69.5	5.20	7.8
SR12	8/12/2019 1:46	29.48	69.1	5.17	7.2	SR12	8/12/2019 7:46	29.36	65.2	4.88	7.2	SR12	8/12/2019 13:46	29.57	70.2	4.83	7.3	SR12	8/12/2019 19:46	29.57	67.3	5.04	7.9
SR12	8/12/2019 1:51	29.47	69.5	5.20	7.3	SR12	8/12/2019 7:51	29.29	64.7	4.84	6.9	SR12	8/12/2019 13:51	29.59	71.0	4.89	10.0	SR12	8/12/2019 19:51	29.57	67.2	5.03	6.0
SR12	8/12/2019 1:56	29.47	68.8	5.15	7.4	SR12	8/12/2019 7:56	29.20	68.8	5.15	7.9	SR12	8/12/2019 13:56	29.63	73.2	5.05	7.8	SR12	8/12/2019 19:56	29.59	66.1	4.95	7.0
SR12	8/12/2019 2:01	29.50	68.8	5.00	7.0	SR12	8/12/2019 8:01	29.27	68.0	5.09	7.1	SR12	8/12/2019 14:01	29.63	72.9	5.03	7.0	SR12	8/12/2019 20:01	29.57	67.5	5.05	8.1
SR12	8/12/2019 2:06	29.53	66.3	4.96	7.5	SR12	8/12/2019 8:06	29.39	66.3	4.96	8.0	SR12	8/12/2019 14:06	29.67	72.8	5.02	9.3	SR12	8/12/2019 20:06	29.55	69.5	5.20	7.4
SR12	8/12/2019 2:11	29.49	67.6	5.06	7.8	SR12	8/12/2019 8:11	29.47	66.9	4.64	6.7	SR12	8/12/2019 14:11	29.67	71.1	4.91	8.1	SR12	8/12/2019 20:11	29.57	62.8	4.70	8.0
SR12	8/12/2019 2:16	29.49	63.1	4.72	8.2	SR12	8/12/2019 8:16	29.54	67.9	5.08	7.2	SR12	8/12/2019 14:16	29.69	72.0	4.97	7.0	SR12	8/12/2019 20:16	29.57	67.6	5.06	8.5
SR12	8/12/2019 2:21	29.48	69.1	5.17	8.5	SR12	8/12/2019 8:21	29.52	66.0	4.94	7.7	SR12	8/12/2019 14:21	29.71	73.4	5.06	9.4	SR12	8/12/2019 20:21	29.57	62.9	4.71	8.6
SR12	8/12/2019 2:26	29.47	64.9	4.86	7.2	SR12	8/12/2019 8:26	29.47	64.4	4.82	7.8	SR12	8/12/2019 14:26	29.71	71.9	4.96	8.2	SR12	8/12/2019 20:26	29.54	65.9	4.93	7.2
SR12	8/12/2019 2:31	29.50	62.7	4.69	8.1	SR12	8/12/2019 8:31	29.44	65.7	4.92	7.5	SR12	8/12/2019 14:31	29.72	74.6	5.58	7.3	SR12	8/12/2019 20:31	29.56	66.9	5.01	7.5
SR12	8/12/2019 2:36	29.50	61.3	4.59	6.6	SR12	8/12/2019 8:36	29.30	64.5	4.83	7.7	SR12	8/12/2019 14:36	29.73	73.8	5.10	7.4	SR12	8/12/2019 20:36	29.55	66.9	5.01	6.8
SR12	8/12/2019 2:41	29.50	66.5	4.98	8.3	SR12	8/12/2019 8:41	29.20	65.6	4.91	6.5	SR12	8/12/2019 14:41	29.73	72.5	5.01	9.9	SR12	8/12/2019 20:41	29.55	61.6	4.61	7.8
SR12	8/12/2019 2:46	29.50	64.8	4.85	8.0	SR12	8/12/2019 8:46	29.30	63.2	4.73	6.5	SR12	8/12/2019 14:46	29.72	72.3	5.00	7.2	SR12	8/12/2019 20:46	29.55	62.4	4.67	7.7
SR12	8/12/2019 2:51	29.51	67.1	5.02	7.2	SR12	8/12/2019 8:51	29.31	67.7	5.07	8.3	SR12	8/12/2019 14:51	29.73	71.8	4.96	8.1	SR12	8/12/2019 20:51	29.52	67.3	5.04	7.5
SR12	8/12/2019 2:56	29.49	65.3	4.89	8.2	SR12	8/12/2019 8:56	29.32	63.2	4.73	6.9	SR12	8/12/2019 14:56	29.75	74.7	5.16	6.9	SR12	8/12/2019 20:56	29.54	65.5	4.90	7.0
SR12	8/12/2019 3:01	29.48	62.4	4.67	7.4	SR12	8/12/2019 9:01	29.45	67.7	5.07	7.3	SR12	8/12/2019 15:01	29.77	73.2	5.05	8.3	SR12	8/12/2019 21:01	29.53	69.5	5.20	7.0
SR12	8/12/2019 3:06	29.48	68.4	5.12	8.0	SR12	8/12/2019 9:06	29.28	67.5	5.05	7.0	SR12	8/12/2019 15:06	29.78	71.9	4.96	7.7	SR12	8/12/2019 21:06	29.58	66.4	4.97	7.5
SR12	8/12/2019 3:11	29.48	62.0	4.64	8.1	SR12	8/12/2019 9:11	29.55	67.6	5.06	8.4	SR12	8/12/2019 15:11	29.80	71.6	4.94	8.2	SR12	8/12/2019 21:11	29.54	67.9	5.08	7.7
SR12	8/12/2019 3:16	29.49	66.9	5.01	6.8	SR12	8/12/2019 9:16	29.52	67.5	5.05	7.6	SR12	8/12/2019 15:16	29.78	72.0	4.97	7.5	SR12	8/12/2019 21:16	29.56	63.7	4.77	7.1
SR12	8/12/2019 3:21	29.46	66.9	5.01	7.2	SR12	8/12/2019 9:21	29.65	66.0	4.94	7.3	SR12	8/12/2019 15:21	29.78	69.3	4.78	7.5	SR12	8/12/2019 21:21	29.58	65.7	4.92	7.2
SR12	8/12/2019 3:26	29.43	67.5	5.05	7.1	SR12	8/12/2019 9:26	29.50	68.4	5.12	7.9	SR12	8/12/2019 15:26	29.80	70.2	4.84	8.2	SR12	8/12/2019 21:26	29.59	61.3	4.59	6.9
SR12	8/12/2019 3:31	29.41	69.6	5.21	7.9	SR12	8/12/2019 9:31	29.64	66.3	4.96	7.6	SR12	8/12/2019 15:31	29.82	70.8	4.89	7.1	SR12	8/12/2019 21:31	29.57	62.4	4.67	7.1
SR12	8/12/2019 3:36	29.41	66.3	4.96	7.7	SR12	8/12/2019 9:36	29.49	64.5	4.83	8.5	SR12	8/12/2019 15:36	29.83	71.5	4.93	6.6	SR12	8/12/2019 21:36	29.57	68.1	5.10	6.9
SR12	8/12/2019 3:41	29.44	63.6	4.76	7.9	SR12	8/12/2019 9:41	29.46	67.1	5.02	7.5	SR12	8/12/2019 15:41	29.88	74.5	5.14	8.4	SR12	8/12/2019 21:41	29.59	67.5	5.05	7.6
SR12	8/12/2019 3:46	29.47	68.5	5.13	7.6	SR12	8/12/2019 9:46	29.63	69.5	4.80	7.5	SR12	8/12/2019 15:46	29.95	78.9	5.44	19.9	SR12	8/12/2019 21:46	29.62	63.5	4.75	7.7
SR12	8/12/2019 3:51	29.38	61.6	4.61	7.0	SR12	8/12/2019 9:51	29.33	65.3	4.89	8.3	SR12	8/12/2019 15:51	29.9									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/12/2019 0:00	29.77	74.4	5.71	7.2	SR13	8/12/2019 6:00	29.36	71.6	5.23	7.6	SR13	8/12/2019 12:00	29.96	77.9	5.56	7.4	SR13	8/12/2019 18:00	29.94	74.7	5.50	7.5
SR13	8/12/2019 0:05	29.79	73.0	5.59	7.3	SR13	8/12/2019 6:05	29.35	73.3	5.39	7.7	SR13	8/12/2019 12:05	29.93	76.0	5.39	8.4	SR13	8/12/2019 18:05	29.94	77.1	5.67	7.4
SR13	8/12/2019 0:10	29.78	74.0	5.65	7.7	SR13	8/12/2019 6:10	29.30	73.5	5.40	7.3	SR13	8/12/2019 12:10	29.95	77.5	5.52	7.8	SR13	8/12/2019 18:10	29.95	76.8	5.50	7.6
SR13	8/12/2019 0:15	29.80	72.3	5.54	7.4	SR13	8/12/2019 6:15	29.35	74.3	5.46	8.5	SR13	8/12/2019 12:15	29.98	79.6	5.66	7.6	SR13	8/12/2019 18:15	29.87	77.7	5.73	7.6
SR13	8/12/2019 0:20	29.80	73.7	5.66	7.3	SR13	8/12/2019 6:20	29.34	73.0	5.37	7.3	SR13	8/12/2019 12:20	29.98	78.3	5.59	7.2	SR13	8/12/2019 18:20	29.88	76.5	5.65	7.7
SR13	8/12/2019 0:25	29.80	74.8	5.74	6.7	SR13	8/12/2019 6:25	29.32	73.7	5.39	7.4	SR13	8/12/2019 12:25	30.08	78.8	5.83	7.8	SR13	8/12/2019 18:25	29.81	75.7	5.59	7.5
SR13	8/12/2019 0:30	29.78	75.6	5.80	7.0	SR13	8/12/2019 6:30	29.28	73.8	5.41	7.2	SR13	8/12/2019 12:30	30.00	78.7	5.61	18.9	SR13	8/12/2019 18:30	29.67	74.7	5.49	6.2
SR13	8/12/2019 0:35	29.79	75.3	5.78	6.7	SR13	8/12/2019 6:35	29.25	74.7	5.50	8.1	SR13	8/12/2019 12:35	30.05	79.8	5.77	8.5	SR13	8/12/2019 18:35	29.66	75.0	5.51	6.9
SR13	8/12/2019 0:40	29.79	74.2	5.70	6.7	SR13	8/12/2019 6:40	29.27	74.1	5.45	7.4	SR13	8/12/2019 12:40	30.06	77.7	5.64	8.2	SR13	8/12/2019 18:40	29.64	74.7	5.47	7.9
SR13	8/12/2019 0:45	29.80	73.9	5.67	6.7	SR13	8/12/2019 6:45	29.31	71.7	5.24	8.4	SR13	8/12/2019 12:45	30.06	78.1	5.65	8.2	SR13	8/12/2019 18:45	29.63	73.9	5.42	7.4
SR13	8/12/2019 0:50	29.80	74.3	5.72	7.2	SR13	8/12/2019 6:50	29.35	72.7	5.17	7.2	SR13	8/12/2019 12:50	30.08	78.1	5.76	7.4	SR13	8/12/2019 18:50	29.61	72.1	5.28	7.9
SR13	8/12/2019 0:55	29.80	71.9	5.54	7.2	SR13	8/12/2019 6:55	29.35	74.6	5.45	7.0	SR13	8/12/2019 12:55	30.09	80.2	5.93	8.4	SR13	8/12/2019 18:55	29.63	74.6	5.46	8.3
SR13	8/12/2019 1:00	29.80	74.9	5.76	6.5	SR13	8/12/2019 7:00	29.36	71.8	5.26	10.6	SR13	8/12/2019 13:00	30.08	80.9	5.95	8.4	SR13	8/12/2019 19:00	29.61	71.1	5.22	8.1
SR13	8/12/2019 1:05	29.79	73.0	5.61	6.9	SR13	8/12/2019 7:05	29.25	71.2	5.17	7.9	SR13	8/12/2019 13:05	30.09	78.7	5.80	7.8	SR13	8/12/2019 19:05	29.58	74.4	5.49	7.8
SR13	8/12/2019 1:10	29.79	72.5	5.58	7.1	SR13	8/12/2019 7:10	29.22	72.2	5.26	21.3	SR13	8/12/2019 13:10	30.09	80.9	6.14	7.8	SR13	8/12/2019 19:10	29.59	74.6	5.47	6.9
SR13	8/12/2019 1:15	29.79	72.1	5.54	6.7	SR13	8/12/2019 7:15	29.18	69.1	5.04	7.8	SR13	8/12/2019 13:15	30.11	80.3	5.96	7.7	SR13	8/12/2019 19:15	29.58	72.4	5.30	7.2
SR13	8/12/2019 1:20	29.79	73.8	5.67	7.6	SR13	8/12/2019 7:20	29.16	71.7	5.23	7.5	SR13	8/12/2019 13:20	30.09	80.5	5.96	8.1	SR13	8/12/2019 19:20	29.56	69.0	5.05	7.6
SR13	8/12/2019 1:25	29.79	73.9	5.66	7.0	SR13	8/12/2019 7:25	29.22	70.6	5.16	7.0	SR13	8/12/2019 13:25	30.09	79.8	5.92	7.7	SR13	8/12/2019 19:25	29.59	71.3	5.20	7.3
SR13	8/12/2019 1:30	29.79	74.9	5.74	7.2	SR13	8/12/2019 7:30	29.19	72.2	5.29	8.1	SR13	8/12/2019 13:30	30.10	79.8	5.91	8.1	SR13	8/12/2019 19:30	29.58	72.7	5.29	7.0
SR13	8/12/2019 1:35	29.78	74.3	5.69	7.3	SR13	8/12/2019 7:35	29.22	71.4	5.20	7.2	SR13	8/12/2019 13:35	30.12	82.1	6.06	8.2	SR13	8/12/2019 19:35	29.57	72.3	5.29	8.1
SR13	8/12/2019 1:40	29.77	72.7	5.59	6.9	SR13	8/12/2019 7:40	29.34	72.5	5.31	8.0	SR13	8/12/2019 13:40	30.10	80.9	5.98	7.7	SR13	8/12/2019 19:40	29.55	75.3	5.50	8.9
SR13	8/12/2019 1:45	29.76	74.5	5.73	7.3	SR13	8/12/2019 7:45	29.25	72.5	5.31	7.1	SR13	8/12/2019 13:45	30.12	79.0	5.87	7.9	SR13	8/12/2019 19:45	29.58	75.3	5.77	6.6
SR13	8/12/2019 1:50	29.75	71.8	5.53	7.3	SR13	8/12/2019 7:50	29.48	72.1	5.27	7.9	SR13	8/12/2019 13:50	30.08	79.8	5.90	7.8	SR13	8/12/2019 19:50	29.55	75.8	5.79	7.0
SR13	8/12/2019 1:55	29.74	74.2	5.70	6.7	SR13	8/12/2019 7:55	29.53	73.6	5.36	7.6	SR13	8/12/2019 13:55	30.12	79.7	5.92	7.7	SR13	8/12/2019 19:55	29.51	73.4	5.62	8.6
SR13	8/12/2019 2:00	29.72	75.0	5.75	7.4	SR13	8/12/2019 8:00	29.63	73.2	5.32	7.5	SR13	8/12/2019 14:00	30.21	80.4	5.95	7.6	SR13	8/12/2019 20:00	29.56	74.4	5.70	8.9
SR13	8/12/2019 2:05	29.70	73.8	5.68	8.4	SR13	8/12/2019 8:05	29.56	73.3	5.36	7.4	SR13	8/12/2019 14:05	30.21	80.6	5.98	7.6	SR13	8/12/2019 20:05	29.47	73.1	5.60	7.0
SR13	8/12/2019 2:10	29.69	75.2	5.78	7.1	SR13	8/12/2019 8:10	29.60	73.6	5.36	7.6	SR13	8/12/2019 14:10	30.23	79.8	5.93	7.4	SR13	8/12/2019 20:10	29.48	73.2	5.61	6.9
SR13	8/12/2019 2:15	29.68	74.3	5.70	7.1	SR13	8/12/2019 8:15	29.56	71.1	5.20	7.9	SR13	8/12/2019 14:15	30.17	79.5	5.91	7.1	SR13	8/12/2019 20:15	29.46	75.2	5.77	6.7
SR13	8/12/2019 2:20	29.68	73.3	5.62	6.9	SR13	8/12/2019 8:20	29.54	74.3	5.40	7.6	SR13	8/12/2019 14:20	30.22	81.8	6.06	8.3	SR13	8/12/2019 20:20	29.46	74.5	5.71	7.1
SR13	8/12/2019 2:25	29.68	73.9	5.69	6.9	SR13	8/12/2019 8:25	29.61	74.9	5.31	7.3	SR13	8/12/2019 14:25	30.22	82.5	6.11	9.7	SR13	8/12/2019 20:25	29.46	73.4	5.63	7.2
SR13	8/12/2019 2:30	29.64	71.8	5.52	7.0	SR13	8/12/2019 8:30	29.48	73.3	5.35	7.9	SR13	8/12/2019 14:30	30.25	83.9	6.20	7.7	SR13	8/12/2019 20:30	29.46	74.8	5.71	6.2
SR13	8/12/2019 2:35	29.65	72.0	5.52	7.5	SR13	8/12/2019 8:35	29.53	70.7	5.16	8.3	SR13	8/12/2019 14:35	30.23	81.3	6.05	7.7	SR13	8/12/2019 20:35	29.48	74.0	5.65	6.7
SR13	8/12/2019 2:40	29.62	74.1	5.68	7.1	SR13	8/12/2019 8:40	29.60	75.3	5.34	7.5	SR13	8/12/2019 14:40	30.21	82.0	6.09	8.0	SR13	8/12/2019 20:40	29.48	75.0	5.59	7.0
SR13	8/12/2019 2:45	29.60	73.4	5.65	6.5	SR13	8/12/2019 8:45	29.47	72.5	5.30	8.0	SR13	8/12/2019 14:45	30.24	81.1	6.04	7.7	SR13	8/12/2019 20:45	29.48	74.6	5.70	7.5
SR13	8/12/2019 2:50	29.60	75.1	5.75	6.6	SR13	8/12/2019 8:50	29.48	71.1	5.20	8.1	SR13	8/12/2019 14:50	30.23	83.1	6.17	7.3	SR13	8/12/2019 20:50	29.56	73.7	5.64	6.7
SR13	8/12/2019 2:55	29.63	72.9	5.60	6.9	SR13	8/12/2019 8:55	29.62	74.4	5.26	7.8	SR13	8/12/2019 14:55	30.21	82.6	6.14	8.5	SR13	8/12/2019 20:55	29.51	74.9	5.73	7.2
SR13	8/12/2019 3:00	29.59	72.0	5.53	5.8	SR13	8/12/2019 9:00	29.60	73.9	5.39	8.2	SR13	8/12/2019 15:00	30.24	82.0	6.11	7.1	SR13	8/12/2019 21:00	29.47	75.3	5.75	7.1
SR13	8/12/2019 3:05	29.63	75.2	5.75	6.1	SR13	8/12/2019 9:05	29.69	72.9	5.16	7.9	SR13	8/12/2019 15:05	30.22	82.8	6.16	7.7	SR13	8/12/2019 21:05	29.47	75.4	5.75	6.8
SR13	8/12/2019 3:10	29.62	74.4	5.72	6.6	SR13	8/12/2019 9:10	29.56	75.4	5.52	7.1	SR13	8/12/2019 15:10	30.24	83.6	6.20	7.5	SR13	8/12/2019 21:10	29.50	75.8	5.78	6.2
SR13	8/12/2019 3:15	29.59	73.8	5.65	6.7	SR13	8/12/2019 9:15	29.58	71.8	5.23	7.5	SR13	8/12/2019 15:15	30.22	82.8	6.16	7.7	SR13	8/12/2019 21:15	29.52	73.2	5.60	6.3
SR13	8/12/2019 3:20	29.51	72.8	5.59	5.8	SR13	8/12/2019 9:20	29.59	72.5	5.29	8.4	SR13	8/12/2019 15:20	30.22	83.2	6.17	7.3	SR13	8/12/2019 21:20	29.47	74.7	5.72	6.3
SR13	8/12/2019 3:25	29.45	74.2	5.71	7.8	SR13	8/12/2019 9:25	29.62	74.4	5.41	18.6	SR13	8/12/2019 15:25	30.23	83.3	6.16	7.4	SR13	8/12/2019 21:25	29.46	73.1	5.59	6.7
SR13	8/12/2019 3:30	29.42	74.8	5.74	7.1	SR13	8/12/2019 9:30	29.59	72.6	5.29	8.7	SR13	8/12/2019 15:30	30.23	83.3	6.16	7.4	SR13	8/12/2019 21:30	29.47	73.3	5.60	7.0
SR13	8/12/2019 3:35	29.41	76.0	5.80	7.3	SR13	8/12/2019 9:35	29.62	74.9	5.45	8.0	SR13	8/12/2019 15:35	30.23	83.3	6.16	7.4	SR13	8/12/2019 21:35	29.45	73.6	5.65	6.5
SR13	8/12/2019 3:40	29.40	74.3	5.69	6.7	SR13	8/12/2019 9:40	29.63	73.4	5.34	8.0	SR13	8/12/2019 15:40	30.30	81.4	6.03	7.8	SR13	8/12/2019 21:40	29.43	74.7	5.72	7.0
SR13	8/12/2019 3:45	29.41	73.2	5.60	6.8	SR13	8/12/2019 9:45	29.72	75.0	5.31	8.1	SR13	8/12/2019 15:45	30.31	81.4	6.06	7.8	SR13	8/12/2019 21:45	29.40	74.1	5.65	8.1
SR13	8/12/2019 3:50	29.40	72.1	5.54	7.4	SR13	8/12/2019 9:50	29.78	76.1	5.38	8.7	SR13	8/12/2019 15:50	30.									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/12/2019 0:17	0.17				SR12	8/12/2019 0:17	0.18			
SR4	8/12/2019 0:37	0.18				SR12	8/12/2019 0:37	0.16			
SR4	8/12/2019 0:57	0.16				SR12	8/12/2019 0:57	0.15			
SR4	8/12/2019 1:17	0.17				SR12	8/12/2019 1:17	0.16			
SR4	8/12/2019 1:37	0.15				SR12	8/12/2019 1:37	0.17			
SR4	8/12/2019 1:57	0.15				SR12	8/12/2019 1:57	0.16			
SR4	8/12/2019 2:17	0.16				SR12	8/12/2019 2:17	0.16			
SR4	8/12/2019 2:37	0.17				SR12	8/12/2019 2:37	0.16			
SR4	8/12/2019 2:57	0.17				SR12	8/12/2019 2:57	0.15			
SR4	8/12/2019 3:17	0.16				SR12	8/12/2019 3:17	0.17			
SR4	8/12/2019 3:37	0.15				SR12	8/12/2019 3:37	0.17			
SR4	8/12/2019 3:57	0.17				SR12	8/12/2019 3:57	0.17			
SR4	8/12/2019 4:17	0.15				SR12	8/12/2019 4:17	0.16			
SR4	8/12/2019 4:37	0.16				SR12	8/12/2019 4:37	0.16			
SR4	8/12/2019 4:57	0.16				SR12	8/12/2019 4:57	0.17			
SR4	8/12/2019 5:17	0.16				SR12	8/12/2019 5:17	0.16			
SR4	8/12/2019 5:37	0.16				SR12	8/12/2019 5:37	0.16			
SR4	8/12/2019 5:57	0.16				SR12	8/12/2019 5:57	0.16			
SR4						SR12					
SR4	8/12/2019 6:37	0.16				SR12	8/12/2019 6:37	0.17			
SR4	8/12/2019 6:57	0.15				SR12	8/12/2019 6:57	0.15			
SR4	8/12/2019 7:17	0.16				SR12	8/12/2019 7:17	0.16			
SR4	8/12/2019 7:37	0.17				SR12	8/12/2019 7:37	0.17			
SR4	8/12/2019 7:57	0.17				SR12	8/12/2019 7:57	0.16			
SR4	8/12/2019 8:17	0.16				SR12	8/12/2019 8:17	0.16			
SR4	8/12/2019 8:37	0.16				SR12	8/12/2019 8:37	0.15			
SR4	8/12/2019 8:57	0.16				SR12	8/12/2019 8:57	0.15			
SR4	8/12/2019 9:17	0.17				SR12	8/12/2019 9:17	0.15			
SR4	8/12/2019 9:37	0.17				SR12	8/12/2019 9:37	0.15			
SR4	8/12/2019 9:57	0.17				SR12	8/12/2019 9:57	0.17			
SR4	8/12/2019 10:17	0.16				SR12					
SR4	8/12/2019 10:37	0.15				SR12					
SR4	8/12/2019 10:57	0.14				SR12					
SR4	8/12/2019 11:17	0.14				SR12					
SR4	8/12/2019 11:37	0.15				SR12	8/12/2019 11:37	0.14			
SR4	8/12/2019 11:57	0.16				SR12	8/12/2019 11:57	0.15			
SR4						SR12	8/12/2019 12:17	0.14			
SR4						SR12	8/12/2019 12:37	0.16			
SR4						SR12	8/12/2019 12:57	0.15			
SR4						SR12	8/12/2019 13:17	0.14			
SR4	8/12/2019 13:37	0.15				SR12	8/12/2019 13:37	0.14			
SR4	8/12/2019 13:57	0.15				SR12	8/12/2019 13:57	0.16			
SR4	8/12/2019 14:17	0.15				SR12	8/12/2019 14:17	0.16			
SR4	8/12/2019 14:37	0.15				SR12	8/12/2019 14:37	0.14			
SR4	8/12/2019 14:57	0.14				SR12	8/12/2019 14:57	0.16			
SR4	8/12/2019 15:17	0.16				SR12	8/12/2019 15:17	0.16			
SR4	8/12/2019 15:37	0.16				SR12	8/12/2019 15:37	0.16			
SR4	8/12/2019 15:57	0.16				SR12	8/12/2019 15:57	0.15			
SR4	8/12/2019 16:17	0.15				SR12	8/12/2019 16:17	0.15			
SR4	8/12/2019 16:37	0.14				SR12	8/12/2019 16:37	0.16			
SR4	8/12/2019 16:57	0.15				SR12	8/12/2019 16:57	0.16			
SR4	8/12/2019 17:17	0.16				SR12	8/12/2019 17:17	0.16			
SR4	8/12/2019 17:37	0.15				SR12	8/12/2019 17:37	0.14			
SR4	8/12/2019 17:57	0.16				SR12	8/12/2019 17:57	0.14			
SR4	8/12/2019 18:17	0.17				SR12	8/12/2019 18:17	0.15			
SR4	8/12/2019 18:37	0.18				SR12	8/12/2019 18:37	0.13			
SR4	8/12/2019 18:57	0.16				SR12	8/12/2019 18:57	0.15			
SR4	8/12/2019 19:17	0.17				SR12	8/12/2019 19:17	0.15			
SR4	8/12/2019 19:37	0.16				SR12	8/12/2019 19:37	0.13			
SR4	8/12/2019 19:57	0.16				SR12	8/12/2019 19:57	0.15			
SR4	8/12/2019 20:17	0.16				SR12	8/12/2019 20:17	0.13			
SR4	8/12/2019 20:37	0.16				SR12	8/12/2019 20:37	0.15			
SR4	8/12/2019 20:57	0.17				SR12	8/12/2019 20:57	0.15			
SR4	8/12/2019 21:17	0.15				SR12	8/12/2019 21:17	0.14			
SR4	8/12/2019 21:37	0.18				SR12	8/12/2019 21:37	0.13			
SR4	8/12/2019 21:57	0.15				SR12	8/12/2019 21:57	0.14			
SR4	8/12/2019 22:17	0.18				SR12	8/12/2019 22:17	0.13			
SR4	8/12/2019 22:37	0.16				SR12	8/12/2019 22:37	0.14			
SR4	8/12/2019 22:57	0.17				SR12	8/12/2019 22:57	0.13			
SR4	8/12/2019 23:17	0.15				SR12	8/12/2019 23:17	0.14			
SR4	8/12/2019 23:37	0.17				SR12	8/12/2019 23:37	0.15			
SR4	8/12/2019 23:57	0.18				SR12	8/12/2019 23:57	0.14			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR4 monitoring station was under maintenance during 12:11-13:16.
 SR12 monitoring station was under maintenance during 10:11-11:16.
 SR13 monitoring station was under maintenance during 15:10-15:40.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/13/2019 0:01	29.62	10.5	4.96	7.0	SR4	8/13/2019 6:01	29.60	76.7	5.20	8.9	SR4	8/13/2019 12:01	29.79	76.1	5.09	7.0	SR4	8/13/2019 18:01	29.31	89.2	5.99	5.8
SR4	8/13/2019 0:06	29.67	28.2	4.32	8.1	SR4	8/13/2019 6:06	29.58	77.3	5.24	7.5	SR4	8/13/2019 12:06	29.80	73.6	4.92	7.0	SR4	8/13/2019 18:06	29.36	88.9	5.97	6.0
SR4	8/13/2019 0:11	29.65	29.8	4.64	9.0	SR4	8/13/2019 6:11	29.56	76.6	5.19	9.0	SR4	8/13/2019 12:11	29.71	80.2	5.35	7.0	SR4	8/13/2019 18:11	29.39	87.2	5.85	6.0
SR4	8/13/2019 0:16	29.71	42.4	4.18	6.8	SR4	8/13/2019 6:16	29.54	75.1	5.08	5.7	SR4	8/13/2019 12:16	29.73	77.3	5.16	6.7	SR4	8/13/2019 18:16	29.33	85.2	5.72	5.9
SR4	8/13/2019 0:21	29.69	42.8	4.39	7.8	SR4	8/13/2019 6:21	29.54	70.9	4.80	7.6	SR4	8/13/2019 12:21	29.78	74.3	4.96	6.7	SR4	8/13/2019 18:21	29.40	85.9	5.76	6.1
SR4	8/13/2019 0:26	29.63	16.2	4.85	8.3	SR4	8/13/2019 6:26	29.54	71.9	4.86	7.5	SR4	8/13/2019 12:26	29.76	75.9	5.07	6.7	SR4	8/13/2019 18:26	29.33	85.0	5.70	6.2
SR4	8/13/2019 0:31	29.65	14.8	4.45	6.4	SR4	8/13/2019 6:31	29.52	75.7	5.12	6.5	SR4	8/13/2019 12:31	29.96	70.1	4.67	6.6	SR4	8/13/2019 18:31	29.37	83.9	5.63	6.3
SR4	8/13/2019 0:36	29.65	18.6	4.27	6.9	SR4	8/13/2019 6:36	29.45	76.2	5.14	12.3	SR4	8/13/2019 12:36	29.84	79.4	5.30	6.8	SR4	8/13/2019 18:36	29.40	80.8	5.42	6.3
SR4	8/13/2019 0:41	29.68	19.6	4.33	9.9	SR4	8/13/2019 6:41	29.50	74.8	5.05	14.1	SR4	8/13/2019 12:41	29.82	78.7	5.25	6.7	SR4	8/13/2019 18:41	29.33	79.8	5.36	6.4
SR4	8/13/2019 0:46	29.67	26.5	4.78	15.9	SR4	8/13/2019 6:46	29.46	74.8	5.04	5.6	SR4	8/13/2019 12:46	29.92	75.0	5.01	6.7	SR4	8/13/2019 18:46	29.43	75.0	5.03	6.3
SR4	8/13/2019 0:51	29.70	31.7	4.20	8.7	SR4	8/13/2019 6:51	29.39	78.2	5.27	6.7	SR4	8/13/2019 12:51	29.92	76.4	5.09	8.2	SR4	8/13/2019 18:51	29.41	75.2	5.05	6.3
SR4	8/13/2019 0:56	29.71	41.1	4.14	13.9	SR4	8/13/2019 6:56	29.46	78.3	5.28	8.2	SR4	8/13/2019 12:56	29.35	72.6	4.82	6.8	SR4	8/13/2019 18:56	29.37	72.4	4.86	6.6
SR4	8/13/2019 1:01	29.61	19.9	4.68	9.4	SR4	8/13/2019 7:01	29.51	76.1	5.15	8.2	SR4	8/13/2019 13:01	30.00	76.9	5.13	7.9	SR4	8/13/2019 19:01	29.32	78.4	5.26	6.3
SR4	8/13/2019 1:06	29.67	20.5	4.78	7.0	SR4	8/13/2019 7:06	29.50	77.3	5.22	8.0	SR4	8/13/2019 13:06	29.95	76.2	5.09	6.4	SR4	8/13/2019 19:06	29.36	74.2	4.98	6.3
SR4	8/13/2019 1:11	29.68	21.9	4.93	6.1	SR4	8/13/2019 7:11	29.48	78.7	5.32	9.5	SR4	8/13/2019 13:11	29.99	74.8	4.98	6.4	SR4	8/13/2019 19:11	29.42	77.8	5.22	6.3
SR4	8/13/2019 1:16	29.65	51.7	4.49	5.6	SR4	8/13/2019 7:16	29.51	79.1	5.36	17.2	SR4	8/13/2019 13:16	29.92	79.5	5.30	6.7	SR4	8/13/2019 19:16	29.40	72.2	4.85	6.4
SR4	8/13/2019 1:21	29.55	46.6	4.89	8.2	SR4	8/13/2019 7:21	29.50	76.6	5.18	5.8	SR4	8/13/2019 13:21	29.34	78.8	5.25	6.6	SR4	8/13/2019 19:21	30.00	75.9	5.10	6.5
SR4	8/13/2019 1:26	29.61	55.5	4.65	18.2	SR4	8/13/2019 7:26	29.55	74.5	5.04	6.7	SR4	8/13/2019 13:26	29.91	79.7	5.91	6.2	SR4	8/13/2019 19:26	29.99	77.2	5.19	6.5
SR4	8/13/2019 1:31	29.65	53.7	4.82	9.3	SR4	8/13/2019 7:31	29.51	71.2	4.82	19.4	SR4	8/13/2019 13:31	29.85	88.0	6.54	9.0	SR4	8/13/2019 19:31	29.96	78.7	5.16	6.3
SR4	8/13/2019 1:36	29.61	44.6	4.13	8.6	SR4	8/13/2019 7:36	29.54	70.3	4.75	7.8	SR4	8/13/2019 13:36	29.79	85.9	6.43	5.2	SR4	8/13/2019 19:36	29.95	76.6	5.28	6.5
SR4	8/13/2019 1:41	29.53	46.3	4.60	5.7	SR4	8/13/2019 7:41	29.38	74.4	5.01	6.6	SR4	8/13/2019 13:41	29.62	89.2	6.73	9.6	SR4	8/13/2019 19:41	29.98	78.7	5.28	6.6
SR4	8/13/2019 1:46	29.68	43.6	4.65	6.1	SR4	8/13/2019 7:46	29.43	73.4	4.95	5.6	SR4	8/13/2019 13:46	29.64	94.3	7.11	9.8	SR4	8/13/2019 19:46	29.99	81.3	5.46	6.6
SR4	8/13/2019 1:51	29.61	33.6	4.46	9.8	SR4	8/13/2019 7:51	29.43	74.0	4.99	10.1	SR4	8/13/2019 13:51	29.55	95.9	7.24	7.2	SR4	8/13/2019 19:51	29.99	82.5	5.54	6.6
SR4	8/13/2019 1:56	29.57	24.5	4.56	9.6	SR4	8/13/2019 7:56	29.47	75.2	5.07	6.1	SR4	8/13/2019 13:56	29.13	97.4	7.42	6.0	SR4	8/13/2019 19:56	29.98	77.4	5.20	6.3
SR4	8/13/2019 2:01	29.52	21.1	4.65	15.4	SR4	8/13/2019 8:01	29.41	74.0	4.99	13.9	SR4	8/13/2019 14:01	28.65	97.7	7.50	5.5	SR4	8/13/2019 20:01	29.95	78.6	5.28	6.4
SR4	8/13/2019 2:06	29.53	15.7	4.30	20.4	SR4	8/13/2019 8:06	29.22	71.7	4.82	9.0	SR4	8/13/2019 14:06	28.41	97.8	7.55	5.8	SR4	8/13/2019 20:06	29.95	80.2	5.39	6.5
SR4	8/13/2019 2:11	29.59	37.5	4.19	7.7	SR4	8/13/2019 8:11	29.29	72.3	4.86	15.6	SR4	8/13/2019 14:11	28.49	97.7	7.53	5.2	SR4	8/13/2019 20:11	29.70	58.9	4.02	6.5
SR4	8/13/2019 2:16	29.50	6.1	4.80	8.4	SR4	8/13/2019 8:16	29.20	71.9	4.83	6.2	SR4	8/13/2019 14:16	28.24	97.5	7.56	5.2	SR4	8/13/2019 20:16	29.68	53.4	4.97	6.6
SR4	8/13/2019 2:21	29.57	5.9	4.90	5.9	SR4	8/13/2019 8:21	29.24	74.0	4.97	6.6	SR4	8/13/2019 14:21	28.49	97.4	7.51	5.2	SR4	8/13/2019 20:21	29.70	54.3	4.19	6.8
SR4	8/13/2019 2:26	29.59	6.0	4.89	8.8	SR4	8/13/2019 8:26	29.37	74.1	4.99	7.7	SR4	8/13/2019 14:26	28.40	97.7	7.55	9.9	SR4	8/13/2019 20:26	29.49	42.9	4.49	7.0
SR4	8/13/2019 2:31	29.65	37.7	4.76	17.6	SR4	8/13/2019 8:31	29.38	73.4	4.94	7.5	SR4	8/13/2019 14:31	28.57	98.0	7.55	5.4	SR4	8/13/2019 20:31	29.58	42.5	4.91	7.0
SR4	8/13/2019 2:36	29.61	61.6	4.16	20.5	SR4	8/13/2019 8:36	29.38	75.5	5.08	20.0	SR4	8/13/2019 14:36	28.62	97.5	7.51	5.2	SR4	8/13/2019 20:36	29.75	44.9	4.19	7.2
SR4	8/13/2019 2:41	29.63	58.0	3.93	9.1	SR4	8/13/2019 8:41	29.39	75.6	5.09	8.6	SR4	8/13/2019 14:41	28.78	97.5	7.49	5.2	SR4	8/13/2019 20:41	29.61	37.6	4.48	7.2
SR4	8/13/2019 2:46	29.61	41.5	4.38	6.5	SR4	8/13/2019 8:46	29.42	76.8	5.17	10.4	SR4	8/13/2019 14:46	28.55	97.8	7.54	5.2	SR4	8/13/2019 20:46	29.66	36.2	4.31	7.4
SR4	8/13/2019 2:51	29.61	46.3	4.57	17.0	SR4	8/13/2019 8:51	29.29	72.6	4.88	8.0	SR4	8/13/2019 14:51	28.37	97.6	7.54	9.9	SR4	8/13/2019 20:51	29.67	49.7	4.66	7.6
SR4	8/13/2019 2:56	29.60	57.5	3.90	8.8	SR4	8/13/2019 8:56	29.42	76.3	5.13	6.5	SR4	8/13/2019 14:56	28.57	97.4	7.51	9.8	SR4	8/13/2019 20:56	29.67	42.3	4.36	7.7
SR4	8/13/2019 3:01	29.61	47.5	4.16	9.3	SR4	8/13/2019 9:01	29.45	77.4	5.20	17.7	SR4	8/13/2019 15:01	28.59	97.6	7.52	9.8	SR4	8/13/2019 21:01	29.69	42.6	4.45	7.8
SR4	8/13/2019 3:06	29.62	68.8	4.66	9.6	SR4	8/13/2019 9:06	29.47	77.6	5.22	7.0	SR4	8/13/2019 15:06	28.28	97.7	7.57	9.6	SR4	8/13/2019 21:06	29.84	48.3	4.87	7.8
SR4	8/13/2019 3:11	29.60	65.8	4.45	6.6	SR4	8/13/2019 9:11	29.49	76.6	5.15	9.0	SR4	8/13/2019 15:11	28.77	97.9	7.52	5.4	SR4	8/13/2019 21:11	29.73	46.0	4.64	8.0
SR4	8/13/2019 3:16	29.57	65.9	4.45	8.0	SR4	8/13/2019 9:16	29.54	75.2	5.06	6.8	SR4	8/13/2019 15:16	28.38	97.6	7.54	5.1	SR4	8/13/2019 21:16	29.93	57.3	3.86	8.3
SR4	8/13/2019 3:21	29.53	74.7	5.05	10.8	SR4	8/13/2019 9:21	29.53	77.9	5.24	7.8	SR4	8/13/2019 15:21	28.47	97.5	7.53	9.7	SR4	8/13/2019 21:21	29.92	58.2	3.92	8.5
SR4	8/13/2019 3:26	29.56	64.4	4.35	5.5	SR4	8/13/2019 9:26	29.49	73.3	4.93	7.3	SR4	8/13/2019 15:26	28.65	97.3	7.49	9.6	SR4	8/13/2019 21:26	29.95	68.1	4.59	8.7
SR4	8/13/2019 3:31	29.53	65.6	4.43	13.2	SR4	8/13/2019 9:31	29.39	76.4	5.13	7.9	SR4	8/13/2019 15:31	28.44	97.7	7.54	9.5	SR4	8/13/2019 21:31	29.92	64.8	4.37	8.7
SR4	8/13/2019 3:36	29.46	78.3	5.28	6.1	SR4	8/13/2019 9:36	29.43	77.2	5.19	8.3	SR4	8/13/2019 15:36	28.67	97.7	7.50	5.5	SR4	8/13/2019 21:36	29.95	69.0	4.64	9.0
SR4	8/13/2019 3:41	29.46	76.6	5.17	8.4	SR4	8/13/2019 9:41	29.52	78.7	5.29	9.1	SR4	8/13/2019 15:41	28.59	97.6	7.50	9.7	SR4	8/13/2019 21:41	29.94	67.0	4.51	8.9
SR4	8/13/2019 3:46	29.43	76.8	5.17	8.4	SR4	8/13/2019 9:46	29.56	76.4	5.13	10.9	SR4	8/13/2019 15:46	28.63	97.6	7.50	9.5	SR4	8/13/2019 21:46	29.94	63.9	4.30	8.7
SR4	8/13/2019 3:51	29.53	65.8	4.45	11.2	SR4	8/13/2019 9:51	29.54	80.1	5.38	6.5	SR4	8/13/2019 15:51	28.81	97.4	7.47	9.3	SR4	8/13/2019 21:51	29.91	60.2	4.06	8.8
SR4	8/13/2019 3:56	29.52	74.1	5.01	8.3	SR4	8/																

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/13/2019 0:00	29.92	81.9	6.34	4.7	SR5	8/13/2019 6:00	29.30	79.4	5.55	8.6	SR5	8/13/2019 12:00	30.52	86.1	5.85	7.4	SR5	8/13/2019 18:00	30.58	85.1	6.04	5.6
SR5	8/13/2019 0:05	29.92	83.3	6.42	6.2	SR5	8/13/2019 6:05	29.31	79.5	5.57	7.4	SR5	8/13/2019 12:05	30.63	85.0	5.75	6.6	SR5	8/13/2019 18:05	30.61	86.6	6.11	6.9
SR5	8/13/2019 0:10	29.92	81.6	6.34	6.2	SR5	8/13/2019 6:10	29.31	79.4	5.55	8.6	SR5	8/13/2019 12:10	30.63	87.4	5.98	7.1	SR5	8/13/2019 18:10	30.59	85.3	6.01	6.6
SR5	8/13/2019 0:15	29.94	82.8	6.46	4.4	SR5	8/13/2019 6:15	29.32	78.6	5.48	8.0	SR5	8/13/2019 12:15	30.59	90.1	6.08	7.3	SR5	8/13/2019 18:15	30.56	82.6	5.84	6.8
SR5	8/13/2019 0:20	29.94	80.9	6.31	6.0	SR5	8/13/2019 6:20	29.22	76.9	5.32	7.5	SR5	8/13/2019 12:20	30.68	87.0	5.87	8.2	SR5	8/13/2019 18:20	30.49	86.1	6.03	6.7
SR5	8/13/2019 0:25	29.95	81.9	6.34	6.1	SR5	8/13/2019 6:25	29.22	75.9	5.28	7.8	SR5	8/13/2019 12:25	30.77	87.8	5.94	7.0	SR5	8/13/2019 18:25	30.48	82.3	5.81	6.2
SR5	8/13/2019 0:30	29.96	82.1	6.40	5.4	SR5	8/13/2019 6:30	29.20	79.8	5.55	7.4	SR5	8/13/2019 12:30	30.70	83.8	5.62	8.0	SR5	8/13/2019 18:30	30.44	82.9	5.83	7.2
SR5	8/13/2019 0:35	29.96	80.6	6.27	4.6	SR5	8/13/2019 6:35	29.19	78.0	5.46	13.1	SR5	8/13/2019 12:35	30.70	91.6	6.20	5.9	SR5	8/13/2019 18:35	30.45	79.4	5.59	6.3
SR5	8/13/2019 0:40	29.99	79.8	6.24	5.6	SR5	8/13/2019 6:40	29.10	80.7	5.58	12.1	SR5	8/13/2019 12:40	30.60	91.1	6.16	4.7	SR5	8/13/2019 18:40	30.44	78.5	5.53	5.8
SR5	8/13/2019 0:45	30.01	83.9	6.49	5.1	SR5	8/13/2019 6:45	29.05	77.6	5.40	6.6	SR5	8/13/2019 12:45	30.65	85.1	5.78	7.1	SR5	8/13/2019 18:45	30.35	77.0	5.36	7.4
SR5	8/13/2019 0:50	30.01	81.3	6.34	5.8	SR5	8/13/2019 6:50	29.02	78.9	5.54	6.8	SR5	8/13/2019 12:50	30.58	88.1	5.95	9.0	SR5	8/13/2019 18:50	30.09	78.1	5.43	7.4
SR5	8/13/2019 0:55	30.05	78.5	6.21	6.0	SR5	8/13/2019 6:55	28.97	79.5	5.57	7.7	SR5	8/13/2019 12:55	30.77	83.1	5.61	7.9	SR5	8/13/2019 18:55	30.37	75.4	5.23	6.0
SR5	8/13/2019 1:00	30.07	81.5	6.40	4.2	SR5	8/13/2019 7:00	29.01	78.9	5.51	7.6	SR5	8/13/2019 13:00	30.76	86.3	5.87	7.5	SR5	8/13/2019 19:00	29.41	79.7	5.56	6.4
SR5	8/13/2019 1:05	30.07	79.6	6.30	3.9	SR5	8/13/2019 7:05	28.96	82.8	5.73	8.2	SR5	8/13/2019 13:05	30.70	84.7	5.78	7.3	SR5	8/13/2019 19:05	29.36	77.1	5.36	6.8
SR5	8/13/2019 1:10	30.07	79.7	6.27	5.8	SR5	8/13/2019 7:10	29.07	80.5	5.64	9.2	SR5	8/13/2019 13:10	30.62	84.7	5.74	8.5	SR5	8/13/2019 19:10	29.27	78.1	5.47	6.9
SR5	8/13/2019 1:15	30.06	78.9	6.21	6.4	SR5	8/13/2019 7:15	28.97	82.8	5.78	12.8	SR5	8/13/2019 13:15	30.60	86.8	5.94	7.2	SR5	8/13/2019 19:15	29.24	75.6	5.25	6.4
SR5	8/13/2019 1:20	30.06	77.3	6.13	4.8	SR5	8/13/2019 7:20	28.95	82.9	5.73	6.5	SR5	8/13/2019 13:20	30.63	86.9	5.93	7.1	SR5	8/13/2019 19:20	29.11	81.1	5.60	7.0
SR5	8/13/2019 1:25	30.15	80.0	6.25	5.9	SR5	8/13/2019 7:25	28.84	79.6	5.52	7.1	SR5	8/13/2019 13:25	30.76	86.8	6.33	7.2	SR5	8/13/2019 19:25	29.19	80.9	5.61	6.9
SR5	8/13/2019 1:30	30.18	79.6	6.28	5.7	SR5	8/13/2019 7:30	28.84	75.4	5.24	13.8	SR5	8/13/2019 13:30	30.74	89.9	6.68	9.6	SR5	8/13/2019 19:30	29.22	79.8	5.55	7.5
SR5	8/13/2019 1:35	30.16	77.4	6.10	5.7	SR5	8/13/2019 7:35	28.83	75.0	5.20	7.5	SR5	8/13/2019 13:35	30.64	91.3	6.74	7.8	SR5	8/13/2019 19:35	29.14	81.2	5.65	6.7
SR5	8/13/2019 1:40	30.18	79.1	6.22	6.2	SR5	8/13/2019 7:40	28.82	80.0	5.52	7.0	SR5	8/13/2019 13:40	30.65	90.0	6.78	8.8	SR5	8/13/2019 19:40	29.20	82.7	5.73	6.0
SR5	8/13/2019 1:45	30.20	77.6	6.13	6.4	SR5	8/13/2019 7:45	28.76	78.7	5.44	7.6	SR5	8/13/2019 13:45	30.64	89.3	6.86	9.4	SR5	8/13/2019 19:45	29.88	82.1	5.75	7.5
SR5	8/13/2019 1:50	30.18	79.9	6.24	5.7	SR5	8/13/2019 7:50	28.77	78.7	5.45	9.4	SR5	8/13/2019 13:50	30.53	89.0	6.88	7.5	SR5	8/13/2019 19:50	29.02	83.9	5.86	6.9
SR5	8/13/2019 1:55	30.18	78.4	6.21	5.9	SR5	8/13/2019 7:55	29.00	79.5	5.52	7.7	SR5	8/13/2019 13:55	30.54	93.2	7.18	7.6	SR5	8/13/2019 19:55	29.18	83.1	5.73	6.4
SR5	8/13/2019 2:00	30.22	80.4	6.26	5.8	SR5	8/13/2019 8:00	28.83	80.1	5.53	11.3	SR5	8/13/2019 14:00	30.55	92.8	7.21	7.2	SR5	8/13/2019 20:00	29.10	81.8	5.69	6.2
SR5	8/13/2019 2:05	30.24	79.4	6.20	5.6	SR5	8/13/2019 8:05	28.76	77.2	5.32	8.0	SR5	8/13/2019 14:05	30.57	90.4	7.11	6.8	SR5	8/13/2019 20:05	28.94	81.6	5.70	6.0
SR5	8/13/2019 2:10	30.24	78.3	6.13	5.7	SR5	8/13/2019 8:10	28.79	79.9	5.48	11.6	SR5	8/13/2019 14:10	30.56	89.1	7.03	6.8	SR5	8/13/2019 20:10	28.90	70.5	4.79	7.5
SR5	8/13/2019 2:15	30.24	78.8	6.15	6.2	SR5	8/13/2019 8:15	28.72	79.9	5.47	7.7	SR5	8/13/2019 14:15	30.63	93.3	7.27	7.2	SR5	8/13/2019 20:15	28.87	69.8	5.51	6.7
SR5	8/13/2019 2:20	30.23	79.9	6.22	6.4	SR5	8/13/2019 8:20	28.95	80.0	5.51	8.5	SR5	8/13/2019 14:20	30.79	91.9	7.17	6.3	SR5	8/13/2019 20:20	28.85	71.6	5.08	7.3
SR5	8/13/2019 2:25	30.24	78.2	6.07	5.3	SR5	8/13/2019 8:25	29.43	78.9	5.46	7.8	SR5	8/13/2019 14:25	30.82	93.5	7.27	9.9	SR5	8/13/2019 20:25	28.80	61.7	5.05	7.7
SR5	8/13/2019 2:30	30.24	76.8	6.06	6.0	SR5	8/13/2019 8:30	29.68	79.1	5.46	8.8	SR5	8/13/2019 14:30	30.76	95.8	7.39	6.5	SR5	8/13/2019 20:30	28.78	62.9	5.40	6.3
SR5	8/13/2019 2:35	30.23	78.9	6.13	5.4	SR5	8/13/2019 8:35	29.57	78.4	5.45	14.6	SR5						SR5	8/13/2019 20:35	28.75	79.7	6.07	3.9
SR5	8/13/2019 2:40	30.24	75.4	5.91	6.1	SR5	8/13/2019 8:40	29.68	81.6	5.63	8.4	SR5						SR5	8/13/2019 20:40	28.71	78.8	5.94	4.2
SR5	8/13/2019 2:45	30.24	75.3	5.92	5.8	SR5	8/13/2019 8:45	29.63	83.1	5.73	9.0	SR5						SR5	8/13/2019 20:45	28.69	79.5	6.08	6.1
SR5	8/13/2019 2:50	30.22	77.2	6.08	5.5	SR5	8/13/2019 8:50	29.56	77.4	5.35	8.5	SR5						SR5	8/13/2019 20:50	28.67	79.6	6.07	5.3
SR5	8/13/2019 2:55	30.22	78.6	6.10	5.8	SR5	8/13/2019 8:55	29.59	81.0	5.61	6.7	SR5	8/13/2019 14:55	30.75	91.4	7.14	8.5	SR5	8/13/2019 20:55	28.69	79.3	6.02	6.0
SR5	8/13/2019 3:00	30.22	78.0	6.09	4.5	SR5	8/13/2019 9:00	29.65	81.9	5.67	13.6	SR5	8/13/2019 15:00	30.75	93.6	7.26	9.1	SR5	8/13/2019 21:00	28.65	78.3	6.01	4.7
SR5	8/13/2019 3:05	30.23	76.0	5.95	5.9	SR5	8/13/2019 9:05	29.58	79.7	5.56	7.5	SR5	8/13/2019 15:05	30.75	93.5	7.29	9.0	SR5	8/13/2019 21:05	28.64	78.4	5.96	4.0
SR5	8/13/2019 3:10	30.23	76.6	6.00	5.9	SR5	8/13/2019 9:10	29.65	78.6	5.48	8.7	SR5	8/13/2019 15:10	30.77	91.0	7.11	5.6	SR5	8/13/2019 21:10	28.65	80.0	6.02	5.8
SR5	8/13/2019 3:15	30.23	78.9	6.11	4.9	SR5	8/13/2019 9:15	29.61	80.8	5.58	7.6	SR5	8/13/2019 15:15	30.79	94.8	7.34	6.2	SR5	8/13/2019 21:15	28.58	78.6	5.98	4.6
SR5	8/13/2019 3:20	30.22	79.2	6.18	4.6	SR5	8/13/2019 9:20	29.63	84.7	5.83	8.2	SR5	8/13/2019 15:20	30.79	91.3	7.15	7.5	SR5	8/13/2019 21:20	28.59	77.6	5.96	4.5
SR5	8/13/2019 3:25	30.23	76.4	5.98	6.6	SR5	8/13/2019 9:25	29.63	80.8	5.55	8.2	SR5	8/13/2019 15:25	30.75	91.4	7.14	7.4	SR5	8/13/2019 21:25	28.62	80.3	6.05	6.3
SR5	8/13/2019 3:30	30.24	75.6	5.92	5.6	SR5	8/13/2019 9:30	29.75	80.2	5.56	8.7	SR5	8/13/2019 15:30	30.82	91.2	7.15	8.2	SR5	8/13/2019 21:30	28.85	79.7	5.99	5.2
SR5	8/13/2019 3:35	30.24	74.0	5.79	5.4	SR5	8/13/2019 9:35	29.75	83.9	5.77	8.5	SR5	8/13/2019 15:35	30.83	93.9	7.26	6.5	SR5	8/13/2019 21:35	28.86	78.3	6.02	5.3
SR5	8/13/2019 3:40	30.23	76.6	5.93	5.6	SR5	8/13/2019 9:40	29.75	85.6	5.89	8.8	SR5	8/13/2019 15:40	30.85	95.0	7.33	8.0	SR5	8/13/2019 21:40	28.98	76.0	5.80	5.0
SR5	8/13/2019 3:45	30.22	75.7	5.84	5.8	SR5	8/13/2019 9:45	29.75	80.9	5.60	10.0	SR5	8/13/2019 15:45	30.85	90.2	7.07	8.1	SR5	8/13/2019 21:45	29.05	76.7	5.82	5.4
SR5	8/13/2019 3:50	30.22	74.2	5.69	5.0	SR5	8/13/2019 9:50	30.03	86.0	5.93	7.9	SR5	8/13/2019 15:50	30.84	90.6	7.08	8.9	SR5	8/13/2019 21:50	29.37	76.7	5.83	3.8
SR5	8/13/2019 3:55	30.22	74.0	5.77	5.1	SR5	8/13/2019 9:55	30.12	85.4	5.94	6.4	SR5	8/13/2019 15:55	30.85	92.2	7.17	8.8	SR5	8/13/2019 21:55	29.11	7		

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/13/2019 0:01	29.65	69.2	5.18	7.4	SR12	8/13/2019 6:01	28.56	68.0	5.09	6.9	SR12	8/13/2019 12:01	29.21	63.9	4.78	8.4	SR12	8/13/2019 18:01	29.85	68.7	4.73	5.1
SR12	8/13/2019 0:06	29.70	64.3	4.81	8.5	SR12	8/13/2019 6:06	28.48	67.7	5.07	6.5	SR12	8/13/2019 12:06	29.22	63.6	4.76	5.9	SR12	8/13/2019 18:06	29.84	69.2	4.76	6.9
SR12	8/13/2019 0:11	29.71	62.3	4.66	6.9	SR12	8/13/2019 6:11	28.48	66.3	4.96	7.4	SR12	8/13/2019 12:11	29.32	61.6	4.61	6.3	SR12	8/13/2019 18:11	29.84	69.6	4.80	6.3
SR12	8/13/2019 0:16	29.70	67.5	5.05	8.5	SR12	8/13/2019 6:16	28.53	65.1	4.87	7.0	SR12	8/13/2019 12:16	29.30	67.1	5.02	7.6	SR12	8/13/2019 18:16	29.83	67.5	4.65	6.2
SR12	8/13/2019 0:21	29.68	64.5	4.83	7.2	SR12	8/13/2019 6:21	28.51	62.5	4.68	6.6	SR12	8/13/2019 12:21	29.28	68.5	5.13	5.6	SR12	8/13/2019 18:21	29.76	67.1	4.62	6.2
SR12	8/13/2019 0:26	29.65	65.1	4.87	6.6	SR12	8/13/2019 6:26	28.53	69.2	5.18	6.7	SR12	8/13/2019 12:26	29.25	65.3	4.89	7.6	SR12	8/13/2019 18:26	29.78	64.0	4.79	7.1
SR12	8/13/2019 0:31	29.59	62.4	4.67	7.3	SR12	8/13/2019 6:31	28.48	66.1	4.95	7.2	SR12	8/13/2019 12:31	29.24	69.5	5.20	7.4	SR12	8/13/2019 18:31	29.76	63.1	4.72	5.4
SR12	8/13/2019 0:36	29.62	68.0	5.09	6.6	SR12	8/13/2019 6:36	28.51	68.4	5.12	7.7	SR12	8/13/2019 12:36	29.26	65.7	4.92	7.3	SR12	8/13/2019 18:36	29.70	62.7	4.69	6.6
SR12	8/13/2019 0:41	29.69	66.0	4.94	7.9	SR12	8/13/2019 6:41	28.52	62.9	4.71	6.3	SR12	8/13/2019 12:41	29.29	64.8	4.85	7.3	SR12	8/13/2019 18:41	29.65	66.8	5.00	6.2
SR12	8/13/2019 0:46	29.67	63.1	4.72	6.8	SR12	8/13/2019 6:46	28.52	65.1	4.87	6.7	SR12	8/13/2019 12:46	29.26	62.0	4.64	6.6	SR12	8/13/2019 18:46	29.72	63.1	4.72	7.2
SR12	8/13/2019 0:51	29.61	61.3	4.59	7.4	SR12	8/13/2019 6:51	28.56	64.9	4.86	7.3	SR12	8/13/2019 12:51	29.27	68.1	5.10	6.8	SR12	8/13/2019 18:51	29.64	68.9	5.16	6.5
SR12	8/13/2019 0:56	29.61	68.8	5.15	7.7	SR12	8/13/2019 6:56	28.58	68.9	5.16	8.6	SR12	8/13/2019 12:56	29.35	63.7	4.77	7.3	SR12	8/13/2019 18:56	29.54	61.3	4.59	6.6
SR12	8/13/2019 1:01	29.62	66.5	4.98	12.1	SR12	8/13/2019 7:01	28.67	67.7	5.07	7.2	SR12	8/13/2019 13:01	29.34	63.3	4.74	6.7	SR12	8/13/2019 19:01	29.68	62.9	4.71	6.6
SR12	8/13/2019 1:06	29.60	63.5	4.75	6.7	SR12	8/13/2019 7:06	28.72	68.0	5.09	7.0	SR12	8/13/2019 13:06	29.39	66.1	4.95	7.3	SR12	8/13/2019 19:06	29.65	65.2	4.88	5.9
SR12	8/13/2019 1:11	29.59	62.9	4.71	7.3	SR12	8/13/2019 7:11	28.74	68.4	5.12	8.1	SR12	8/13/2019 13:11	29.37	68.0	5.09	7.2	SR12	8/13/2019 19:11	29.64	65.6	4.91	6.6
SR12	8/13/2019 1:16	29.56	63.3	4.74	7.3	SR12	8/13/2019 7:16	28.76	62.4	4.67	7.2	SR12	8/13/2019 13:16	29.39	69.5	5.20	7.0	SR12	8/13/2019 19:16	29.63	62.9	4.71	7.3
SR12	8/13/2019 1:21	29.54	61.3	4.59	7.7	SR12	8/13/2019 7:21	28.84	63.5	4.75	7.3	SR12	8/13/2019 13:21	29.43	66.0	4.94	6.3	SR12	8/13/2019 19:21	29.64	63.7	4.77	5.6
SR12	8/13/2019 1:26	29.56	63.9	4.78	7.4	SR12	8/13/2019 7:26	28.82	69.3	5.19	6.9	SR12	8/13/2019 13:26	29.43	68.9	5.16	7.3	SR12	8/13/2019 19:26	29.62	68.3	5.11	5.6
SR12	8/13/2019 1:31	29.53	69.3	5.19	6.3	SR12	8/13/2019 7:31	28.84	68.1	5.10	6.2	SR12	8/13/2019 13:31	29.47	68.8	5.15	7.3	SR12	8/13/2019 19:31	29.61	69.3	5.19	5.5
SR12	8/13/2019 1:36	29.51	65.1	4.87	7.4	SR12	8/13/2019 7:36	28.93	64.9	4.86	7.4	SR12	8/13/2019 13:36	29.46	62.9	4.71	18.3	SR12	8/13/2019 19:36	29.54	61.9	4.63	6.3
SR12	8/13/2019 1:41	29.53	64.4	4.82	6.7	SR12	8/13/2019 7:41	29.05	67.6	5.06	6.5	SR12	8/13/2019 13:41	29.46	64.1	4.80	8.2	SR12	8/13/2019 19:41	29.51	61.5	4.60	6.5
SR12	8/13/2019 1:46	29.52	67.6	5.06	7.9	SR12	8/13/2019 7:46	29.15	66.4	4.97	7.7	SR12	8/13/2019 13:46	29.51	67.3	4.63	7.4	SR12	8/13/2019 19:46	29.50	63.9	4.78	5.8
SR12	8/13/2019 1:51	29.49	69.3	5.19	7.4	SR12	8/13/2019 7:51	29.27	67.6	5.06	7.2	SR12	8/13/2019 13:51	29.49	64.9	4.86	8.4	SR12	8/13/2019 19:51	29.56	63.1	4.72	6.7
SR12	8/13/2019 1:56	29.46	67.7	5.07	7.8	SR12	8/13/2019 7:56	29.00	67.1	5.02	6.4	SR12	8/13/2019 13:56	29.49	68.4	5.12	7.9	SR12	8/13/2019 19:56	29.47	63.1	4.72	6.0
SR12	8/13/2019 2:01	29.44	67.6	5.06	8.5	SR12	8/13/2019 8:01	29.24	68.8	5.15	8.2	SR12	8/13/2019 14:01	29.52	66.7	4.59	6.5	SR12	8/13/2019 20:01	29.50	69.2	5.18	7.0
SR12	8/13/2019 2:06	29.44	68.3	5.11	8.2	SR12	8/13/2019 8:06	29.25	67.6	5.06	6.1	SR12	8/13/2019 14:06	29.52	68.8	5.15	6.4	SR12	8/13/2019 20:06	29.52	61.5	4.60	7.0
SR12	8/13/2019 2:11	29.28	64.4	4.82	8.1	SR12	8/13/2019 8:11	29.26	67.1	5.02	6.9	SR12	8/13/2019 14:11	29.53	64.7	4.84	6.9	SR12	8/13/2019 20:11	29.45	67.1	5.02	5.9
SR12	8/13/2019 2:16	29.35	69.5	5.20	6.5	SR12	8/13/2019 8:16	29.30	63.1	4.72	6.6	SR12	8/13/2019 14:16	29.57	66.7	4.59	6.7	SR12	8/13/2019 20:16	29.48	69.6	5.21	5.8
SR12	8/13/2019 2:21	29.38	69.1	5.17	7.5	SR12	8/13/2019 8:21	29.18	68.8	5.15	7.0	SR12	8/13/2019 14:21	29.55	67.9	5.08	6.9	SR12	8/13/2019 20:21	29.47	63.5	4.75	6.1
SR12	8/13/2019 2:26	29.39	65.3	4.89	6.6	SR12	8/13/2019 8:26	29.06	69.5	5.20	7.3	SR12	8/13/2019 14:26	29.55	62.5	4.88	6.8	SR12	8/13/2019 20:26	29.45	68.4	5.12	6.9
SR12	8/13/2019 2:31	29.32	64.1	4.80	7.3	SR12	8/13/2019 8:31	29.28	61.5	4.60	6.1	SR12	8/13/2019 14:31	29.56	66.9	5.01	7.9	SR12	8/13/2019 20:31	29.41	67.2	5.03	6.8
SR12	8/13/2019 2:36	29.38	63.6	4.76	6.9	SR12	8/13/2019 8:36	29.16	64.7	4.84	6.8	SR12	8/13/2019 14:36	29.56	63.7	4.77	6.2	SR12	8/13/2019 20:36	29.42	67.1	5.02	6.2
SR12	8/13/2019 2:41	29.40	68.7	5.14	6.7	SR12	8/13/2019 8:41	29.36	69.2	5.18	7.3	SR12	8/13/2019 14:41	29.63	67.6	4.65	6.3	SR12	8/13/2019 20:41	29.38	66.3	4.96	6.6
SR12	8/13/2019 2:46	29.34	66.5	4.98	7.3	SR12	8/13/2019 8:46	29.36	65.6	4.91	7.2	SR12	8/13/2019 14:46	29.63	67.9	4.67	6.2	SR12	8/13/2019 20:46	29.44	61.5	4.60	6.1
SR12	8/13/2019 2:51	29.33	62.5	4.68	7.4	SR12	8/13/2019 8:51	29.38	64.1	4.80	7.6	SR12	8/13/2019 14:51	29.68	67.8	5.08	5.1	SR12	8/13/2019 20:51	29.45	61.5	4.60	7.1
SR12	8/13/2019 2:56	29.39	64.7	4.84	7.1	SR12	8/13/2019 8:56	29.48	63.6	4.76	7.8	SR12	8/13/2019 14:56	29.69	67.4	4.64	4.9	SR12	8/13/2019 20:56	29.48	69.3	5.19	6.3
SR12	8/13/2019 3:01	29.40	62.8	4.70	8.1	SR12	8/13/2019 9:01	29.35	69.3	5.19	6.9	SR12	8/13/2019 15:01	29.67	69.6	4.79	5.6	SR12	8/13/2019 21:01	29.47	64.8	4.85	6.6
SR12	8/13/2019 3:06	29.42	68.9	5.16	6.5	SR12	8/13/2019 9:06	29.20	68.8	5.15	7.4	SR12	8/13/2019 15:06	29.70	73.9	5.07	5.9	SR12	8/13/2019 21:06	29.43	63.6	4.76	6.0
SR12	8/13/2019 3:11	29.41	66.1	4.95	5.5	SR12	8/13/2019 9:11	29.53	64.9	4.86	6.9	SR12	8/13/2019 15:11	29.69	73.5	5.52	6.8	SR12	8/13/2019 21:11	29.41	66.3	4.96	6.8
SR12	8/13/2019 3:16	29.39	64.9	4.86	5.9	SR12	8/13/2019 9:16	29.50	61.6	4.61	6.6	SR12	8/13/2019 15:16	29.71	69.8	4.80	6.9	SR12	8/13/2019 21:16	29.43	63.7	4.77	6.2
SR12	8/13/2019 3:21	29.37	63.3	4.74	7.6	SR12	8/13/2019 9:21	29.48	63.7	4.77	7.9	SR12	8/13/2019 15:21	29.72	71.7	4.94	6.1	SR12	8/13/2019 21:21	29.44	64.1	4.80	7.0
SR12	8/13/2019 3:26	29.35	66.4	4.97	7.6	SR12	8/13/2019 9:26	29.06	68.4	5.12	8.0	SR12	8/13/2019 15:26	29.71	72.7	5.00	5.7	SR12	8/13/2019 21:26	29.46	64.1	4.80	6.6
SR12	8/13/2019 3:31	29.34	68.8	5.15	7.0	SR12	8/13/2019 9:31	29.65	67.1	5.02	6.9	SR12	8/13/2019 15:31	29.71	71.8	4.94	5.7	SR12	8/13/2019 21:31	29.32	63.1	4.72	6.3
SR12	8/13/2019 3:36	29.35	68.5	5.13	6.4	SR12	8/13/2019 9:36	29.67	66.6	4.58	6.4	SR12	8/13/2019 15:36	29.73	73.5	5.06	5.9	SR12	8/13/2019 21:36	29.42	68.8	5.15	6.9
SR12	8/13/2019 3:41	29.37	69.2	5.18	8.2	SR12	8/13/2019 9:41	29.63	66.7	4.59	7.4	SR12	8/13/2019 15:41	29.77	72.6	5.28	6.5	SR12	8/13/2019 21:41	29.40	67.9	5.08	6.3
SR12	8/13/2019 3:46	29.27	68.5	5.13	7.2	SR12	8/13/2019 9:46	29.70	69.5	4.78	6.6	SR12	8/13/2019 15:46	29.78	72.6	5.00	5.5	SR12	8/13/2019 21:46	29.44	69.1	5.17	5.7
SR12	8/13/2019 3:51	29.30	62.8	4.70	6.6	SR12	8/13/2019 9:51	29.71	68.8	4.73	7.0	SR12	8/13/2019 15:51	29.79									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/13/2019 0:00	29.73	72.8	5.53	6.5	SR13	8/13/2019 6:00	29.13	71.1	5.20	8.0	SR13	8/13/2019 12:00	29.94	77.0	5.57	6.8	SR13	8/13/2019 18:00	30.03	75.0	5.51	6.3
SR13	8/13/2019 0:05	29.74	74.5	5.64	6.7	SR13	8/13/2019 6:05	29.13	73.1	5.35	7.1	SR13	8/13/2019 12:05	29.98	77.8	5.63	6.9	SR13	8/13/2019 18:05	30.03	77.7	5.71	6.9
SR13	8/13/2019 0:10	29.73	76.2	5.79	6.4	SR13	8/13/2019 6:10	29.14	72.5	5.31	7.2	SR13	8/13/2019 12:10	29.99	78.4	5.69	7.5	SR13	8/13/2019 18:10	30.01	78.8	5.79	6.1
SR13	8/13/2019 0:15	29.72	75.1	5.72	6.1	SR13	8/13/2019 6:15	29.17	70.6	5.16	7.4	SR13	8/13/2019 12:15	29.98	77.6	5.60	9.0	SR13	8/13/2019 18:15	29.96	72.7	5.34	6.6
SR13	8/13/2019 0:20	29.72	74.3	5.65	6.2	SR13	8/13/2019 6:20	29.19	70.6	5.15	7.2	SR13	8/13/2019 12:20	30.02	78.5	5.67	7.8	SR13	8/13/2019 18:20	29.91	74.9	5.48	6.6
SR13	8/13/2019 0:25	29.73	75.9	5.76	6.7	SR13	8/13/2019 6:25	29.23	70.2	5.13	7.5	SR13	8/13/2019 12:25	30.07	77.9	5.46	7.5	SR13	8/13/2019 18:25	29.90	74.9	5.50	6.3
SR13	8/13/2019 0:30	29.72	76.6	5.82	6.5	SR13	8/13/2019 6:30	29.27	72.1	5.26	7.3	SR13	8/13/2019 12:30	30.03	76.8	5.54	8.2	SR13	8/13/2019 18:30	29.90	72.9	5.34	6.9
SR13	8/13/2019 0:35	29.71	75.3	5.73	6.2	SR13	8/13/2019 6:35	29.15	71.5	5.23	21.2	SR13	8/13/2019 12:35	30.02	80.9	5.85	6.8	SR13	8/13/2019 18:35	29.89	72.7	5.33	6.8
SR13	8/13/2019 0:40	29.72	75.1	5.73	6.9	SR13	8/13/2019 6:40	29.22	73.8	5.38	9.4	SR13	8/13/2019 12:40	29.99	78.3	5.48	5.9	SR13	8/13/2019 18:40	29.88	73.7	5.42	6.6
SR13	8/13/2019 0:45	29.72	75.1	5.71	7.2	SR13	8/13/2019 6:45	29.20	71.7	5.24	6.5	SR13	8/13/2019 12:45	30.01	78.6	5.69	6.9	SR13	8/13/2019 18:45	29.86	71.2	5.21	7.1
SR13	8/13/2019 0:50	29.65	74.3	5.67	6.9	SR13	8/13/2019 6:50	29.20	73.0	5.35	6.9	SR13	8/13/2019 12:50	30.00	77.5	5.60	7.5	SR13	8/13/2019 18:50	29.77	73.2	5.35	6.9
SR13	8/13/2019 0:55	29.70	73.4	5.63	6.9	SR13	8/13/2019 6:55	29.19	71.6	5.25	7.3	SR13	8/13/2019 12:55	30.10	75.5	5.29	7.4	SR13	8/13/2019 18:55	29.88	73.4	5.37	6.3
SR13	8/13/2019 1:00	29.72	74.9	5.73	6.7	SR13	8/13/2019 7:00	29.17	73.8	5.40	7.1	SR13	8/13/2019 13:00	30.08	79.1	5.73	7.4	SR13	8/13/2019 19:00	29.54	74.1	5.43	6.8
SR13	8/13/2019 1:05	29.72	73.5	5.64	6.0	SR13	8/13/2019 7:05	29.10	74.8	5.45	7.8	SR13	8/13/2019 13:05	30.07	74.9	5.43	7.4	SR13	8/13/2019 19:05	29.52	74.8	5.48	7.1
SR13	8/13/2019 1:10	29.69	73.0	5.59	7.2	SR13	8/13/2019 7:10	29.24	69.9	5.11	7.8	SR13	8/13/2019 13:10	30.05	76.5	5.54	7.9	SR13	8/13/2019 19:10	29.46	73.1	5.35	7.1
SR13	8/13/2019 1:15	29.70	71.3	5.46	6.7	SR13	8/13/2019 7:15	29.16	72.0	5.25	9.0	SR13	8/13/2019 13:15	30.04	75.8	5.50	7.0	SR13	8/13/2019 19:15	29.45	73.5	5.38	6.4
SR13	8/13/2019 1:20	29.71	73.0	5.60	6.1	SR13	8/13/2019 7:20	29.23	74.5	5.43	7.2	SR13	8/13/2019 13:20	30.08	78.7	5.55	7.1	SR13	8/13/2019 19:20	29.40	73.8	5.38	7.0
SR13	8/13/2019 1:25	29.71	73.9	5.64	6.7	SR13	8/13/2019 7:25	29.20	72.7	5.30	7.4	SR13	8/13/2019 13:25	30.14	79.4	5.74	6.9	SR13	8/13/2019 19:25	29.45	73.6	5.37	6.5
SR13	8/13/2019 1:30	29.72	72.8	5.58	7.1	SR13	8/13/2019 7:30	29.21	69.1	5.05	10.2	SR13	8/13/2019 13:30	30.12	78.6	5.89	7.1	SR13	8/13/2019 19:30	29.46	72.6	5.31	7.2
SR13	8/13/2019 1:35	29.73	71.9	5.51	6.9	SR13	8/13/2019 7:35	29.25	69.3	5.06	7.6	SR13	8/13/2019 13:35	30.10	80.2	5.83	6.3	SR13	8/13/2019 19:35	29.44	74.8	5.47	6.4
SR13	8/13/2019 1:40	29.74	73.2	5.60	7.5	SR13	8/13/2019 7:40	29.19	74.5	5.43	7.4	SR13	8/13/2019 13:40	30.12	79.2	5.79	7.2	SR13	8/13/2019 19:40	29.45	74.0	5.40	6.5
SR13	8/13/2019 1:45	29.76	74.1	5.67	6.9	SR13	8/13/2019 7:45	29.13	74.3	5.42	7.4	SR13	8/13/2019 13:45	30.13	83.0	6.11	7.5	SR13	8/13/2019 19:45	29.36	74.0	5.42	7.1
SR13	8/13/2019 1:50	29.75	72.8	5.55	6.1	SR13	8/13/2019 7:50	29.27	70.9	5.17	8.2	SR13	8/13/2019 13:50	30.09	81.3	6.18	7.2	SR13	8/13/2019 19:50	29.36	74.9	5.47	7.1
SR13	8/13/2019 1:55	29.74	73.1	5.61	6.1	SR13	8/13/2019 7:55	29.34	70.9	5.17	7.4	SR13	8/13/2019 13:55	30.11	81.7	6.04	7.4	SR13	8/13/2019 19:55	29.43	75.5	5.50	6.8
SR13	8/13/2019 2:00	29.75	73.2	5.58	6.7	SR13	8/13/2019 8:00	29.27	72.5	5.28	9.1	SR13	8/13/2019 14:00	30.12	81.3	6.02	6.9	SR13	8/13/2019 20:00	29.41	73.0	5.33	7.0
SR13	8/13/2019 2:05	29.75	72.9	5.56	6.8	SR13	8/13/2019 8:05	29.09	73.7	5.37	8.0	SR13	8/13/2019 14:05	30.13	82.1	6.11	6.4	SR13	8/13/2019 20:05	29.36	74.3	5.44	6.9
SR13	8/13/2019 2:10	29.74	74.7	5.70	6.4	SR13	8/13/2019 8:10	29.33	72.3	5.25	8.5	SR13	8/13/2019 14:10	30.12	80.3	5.98	6.9	SR13	8/13/2019 20:10	29.28	68.3	4.96	7.3
SR13	8/13/2019 2:15	29.74	74.5	5.68	6.7	SR13	8/13/2019 8:15	29.32	74.3	5.24	7.1	SR13	8/13/2019 14:15	30.09	81.8	6.06	7.1	SR13	8/13/2019 20:15	29.31	71.6	5.47	6.8
SR13	8/13/2019 2:20	29.74	74.2	5.66	7.7	SR13	8/13/2019 8:20	29.39	73.1	5.16	7.8	SR13	8/13/2019 14:20	30.16	82.3	6.22	6.4	SR13	8/13/2019 20:20	29.30	71.8	5.30	6.8
SR13	8/13/2019 2:25	29.70	73.4	5.59	6.8	SR13	8/13/2019 8:25	29.58	73.6	5.20	6.9	SR13	8/13/2019 14:25	30.19	82.5	6.11	7.8	SR13	8/13/2019 20:25	29.30	68.2	5.28	7.1
SR13	8/13/2019 2:30	29.71	72.1	5.52	6.6	SR13	8/13/2019 8:30	29.67	74.6	5.28	7.5	SR13	8/13/2019 14:30	30.17	83.3	6.16	7.1	SR13	8/13/2019 20:30	29.30	68.6	5.40	8.8
SR13	8/13/2019 2:35	29.69	72.8	5.55	7.0	SR13	8/13/2019 8:35	29.33	71.6	5.23	10.6	SR13	8/13/2019 14:35	30.16	82.9	6.26	6.4	SR13	8/13/2019 20:35	29.29	73.8	5.58	5.7
SR13	8/13/2019 2:40	29.67	74.2	5.67	7.0	SR13	8/13/2019 8:40	29.51	73.9	5.38	8.0	SR13	8/13/2019 14:40	30.16	83.8	6.19	6.4	SR13	8/13/2019 20:40	29.29	71.9	5.41	5.8
SR13	8/13/2019 2:45	29.69	71.7	5.49	6.8	SR13	8/13/2019 8:45	29.63	73.2	5.33	7.3	SR13	8/13/2019 14:45	30.17	81.5	6.07	7.3	SR13	8/13/2019 20:45	29.33	75.3	5.70	6.6
SR13	8/13/2019 2:50	29.67	71.8	5.50	7.2	SR13	8/13/2019 8:50	29.56	71.8	5.24	7.4	SR13	8/13/2019 14:50	30.20	83.0	6.17	7.4	SR13	8/13/2019 20:50	29.31	74.8	5.65	7.0
SR13	8/13/2019 2:55	29.68	72.6	5.53	6.8	SR13	8/13/2019 8:55	29.36	72.6	5.29	7.0	SR13	8/13/2019 14:55	30.19	81.0	6.09	7.6	SR13	8/13/2019 20:55	29.35	71.5	5.40	6.6
SR13	8/13/2019 3:00	29.68	71.0	5.42	6.7	SR13	8/13/2019 9:00	29.59	77.0	5.63	9.2	SR13	8/13/2019 15:00	30.21	83.6	6.20	7.4	SR13	8/13/2019 21:00	29.32	75.1	5.69	6.1
SR13	8/13/2019 3:05	29.67	71.6	5.47	6.5	SR13	8/13/2019 9:05	29.57	73.1	5.35	7.2	SR13	8/13/2019 15:05	30.22	82.4	6.12	7.2	SR13	8/13/2019 21:05	29.33	73.9	5.58	5.9
SR13	8/13/2019 3:10	29.63	71.4	5.45	6.8	SR13	8/13/2019 9:10	29.58	73.3	5.36	7.4	SR13	8/13/2019 15:10	30.27	81.8	6.08	6.1	SR13	8/13/2019 21:10	29.32	71.5	5.38	6.4
SR13	8/13/2019 3:15	29.66	71.5	5.44	6.8	SR13	8/13/2019 9:15	29.40	71.8	5.22	7.6	SR13	8/13/2019 15:15	30.29	83.4	6.18	6.9	SR13	8/13/2019 21:15	29.32	73.6	5.56	6.5
SR13	8/13/2019 3:20	29.61	74.3	5.67	6.5	SR13	8/13/2019 9:20	29.43	75.5	5.48	8.0	SR13	8/13/2019 15:20	30.28	81.2	6.04	7.4	SR13	8/13/2019 21:20	29.31	73.8	5.60	6.1
SR13	8/13/2019 3:25	29.63	73.3	5.60	7.4	SR13	8/13/2019 9:25	29.59	72.8	5.29	7.0	SR13	8/13/2019 15:25	30.25	84.0	6.23	7.3	SR13	8/13/2019 21:25	29.33	73.4	5.52	6.6
SR13	8/13/2019 3:30	29.61	74.3	5.67	6.4	SR13	8/13/2019 9:30	29.54	71.0	5.17	7.7	SR13	8/13/2019 15:30	30.26	82.7	6.16	7.4	SR13	8/13/2019 21:30	29.42	73.9	5.56	6.8
SR13	8/13/2019 3:35	29.62	69.4	5.30	7.0	SR13	8/13/2019 9:35	29.47	75.4	5.48	7.6	SR13	8/13/2019 15:35	30.27	85.2	6.31	6.5	SR13	8/13/2019 21:35	29.43	73.2	5.56	6.7
SR13	8/13/2019 3:40	29.62	71.3	5.42	7.0	SR13	8/13/2019 9:40	29.46	72.6	5.27	7.7	SR13	8/13/2019 15:40	30.26	84.1	6.22	6.9	SR13	8/13/2019 21:40	29.46	72.8	5.51	6.7
SR13	8/13/2019 3:45	29.56	72.6	5.51	7.3	SR13	8/13/2019 9:45	29.52	73.9	5.39	8.1	SR13	8/13/2019 15:45	30.27	81.2	6.04	7.7	SR13	8/13/2019 21:45	29.49	73.0	5.51	6.9
SR13	8/13/2019 3:50	29.59	70.9	5.37	6.1	SR13	8/13/2019 9:50	29.76	73.1	5.31	7.9	SR13	8/13/2019 15:50	30.2									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/13/2019 0:17	0.15				SR12	8/13/2019 0:17	0.13			
SR4	8/13/2019 0:37	0.15				SR12	8/13/2019 0:37	0.14			
SR4	8/13/2019 0:57	0.15				SR12	8/13/2019 0:57	0.14			
SR4	8/13/2019 1:17	0.18				SR12	8/13/2019 1:17	0.15			
SR4	8/13/2019 1:37	0.18				SR12	8/13/2019 1:37	0.15			
SR4	8/13/2019 1:57	0.17				SR12	8/13/2019 1:57	0.14			
SR4	8/13/2019 2:17	0.15				SR12	8/13/2019 2:17	0.14			
SR4	8/13/2019 2:37	0.15				SR12	8/13/2019 2:37	0.12			
SR4	8/13/2019 2:57	0.15				SR12	8/13/2019 2:57	0.11			
SR4	8/13/2019 3:17	0.14				SR12	8/13/2019 3:17	0.13			
SR4	8/13/2019 3:37	0.14				SR12	8/13/2019 3:37	0.12			
SR4	8/13/2019 3:57	0.15				SR12	8/13/2019 3:57	0.11			
SR4	8/13/2019 4:17	0.13				SR12	8/13/2019 4:17	0.13			
SR4	8/13/2019 4:37	0.15				SR12	8/13/2019 4:37	0.11			
SR4	8/13/2019 4:57	0.15				SR12	8/13/2019 4:57	0.11			
SR4	8/13/2019 5:17	0.14				SR12	8/13/2019 5:17	0.13			
SR4	8/13/2019 5:37	0.13				SR12	8/13/2019 5:37	0.12			
SR4	8/13/2019 5:57	0.15				SR12	8/13/2019 5:57	0.13			
SR4						SR12					
SR4	8/13/2019 6:37	0.13				SR12	8/13/2019 6:37	0.12			
SR4	8/13/2019 6:57	0.15				SR12	8/13/2019 6:57	0.13			
SR4	8/13/2019 7:17	0.15				SR12	8/13/2019 7:17	0.11			
SR4	8/13/2019 7:37	0.15				SR12	8/13/2019 7:37	0.11			
SR4	8/13/2019 7:57	0.13				SR12	8/13/2019 7:57	0.12			
SR4	8/13/2019 8:17	0.13				SR12	8/13/2019 8:17	0.12			
SR4	8/13/2019 8:37	0.14				SR12	8/13/2019 8:37	0.12			
SR4	8/13/2019 8:57	0.15				SR12	8/13/2019 8:57	0.13			
SR4	8/13/2019 9:17	0.15				SR12	8/13/2019 9:17	0.14			
SR4	8/13/2019 9:37	0.14				SR12	8/13/2019 9:37	0.13			
SR4	8/13/2019 9:57	0.13				SR12	8/13/2019 9:57	0.13			
SR4	8/13/2019 10:17	0.14				SR12	8/13/2019 10:17	0.13			
SR4	8/13/2019 10:37	0.13				SR12	8/13/2019 10:37	0.14			
SR4	8/13/2019 10:57	0.14				SR12	8/13/2019 10:57	0.14			
SR4	8/13/2019 11:17	0.13				SR12	8/13/2019 11:17	0.15			
SR4	8/13/2019 11:37	0.12				SR12	8/13/2019 11:37	0.13			
SR4	8/13/2019 11:57	0.13				SR12	8/13/2019 11:57	0.15			
SR4	8/13/2019 12:17	0.12				SR12	8/13/2019 12:17	0.16			
SR4	8/13/2019 12:37	0.13				SR12	8/13/2019 12:37	0.15			
SR4	8/13/2019 12:57	0.14				SR12	8/13/2019 12:57	0.15			
SR4	8/13/2019 13:17	0.12				SR12	8/13/2019 13:17	0.14			
SR4	8/13/2019 13:37	0.13				SR12	8/13/2019 13:37	0.15			
SR4	8/13/2019 13:57	0.14				SR12	8/13/2019 13:57	0.14			
SR4	8/13/2019 14:17	0.14				SR12	8/13/2019 14:17	0.15			
SR4	8/13/2019 14:37	0.14				SR12	8/13/2019 14:37	0.16			
SR4	8/13/2019 14:57	0.13				SR12	8/13/2019 14:57	0.15			
SR4	8/13/2019 15:17	0.12				SR12	8/13/2019 15:17	0.14			
SR4	8/13/2019 15:37	0.14				SR12	8/13/2019 15:37	0.15			
SR4	8/13/2019 15:57	0.13				SR12	8/13/2019 15:57	0.16			
SR4	8/13/2019 16:17	0.12				SR12	8/13/2019 16:17	0.14			
SR4	8/13/2019 16:37	0.13				SR12	8/13/2019 16:37	0.14			
SR4	8/13/2019 16:57	0.14				SR12	8/13/2019 16:57	0.14			
SR4	8/13/2019 17:17	0.13				SR12	8/13/2019 17:17	0.16			
SR4	8/13/2019 17:37	0.13				SR12	8/13/2019 17:37	0.16			
SR4	8/13/2019 17:57	0.13				SR12	8/13/2019 17:57	0.16			
SR4	8/13/2019 18:17	0.14				SR12	8/13/2019 18:17	0.16			
SR4	8/13/2019 18:37	0.15				SR12	8/13/2019 18:37	0.17			
SR4	8/13/2019 18:57	0.13				SR12	8/13/2019 18:57	0.17			
SR4	8/13/2019 19:17	0.14				SR12	8/13/2019 19:17	0.17			
SR4	8/13/2019 19:37	0.14				SR12	8/13/2019 19:37	0.17			
SR4	8/13/2019 19:57	0.13				SR12	8/13/2019 19:57	0.16			
SR4	8/13/2019 20:17	0.14				SR12	8/13/2019 20:17	0.17			
SR4	8/13/2019 20:37	0.14				SR12	8/13/2019 20:37	0.15			
SR4	8/13/2019 20:57	0.14				SR12	8/13/2019 20:57	0.16			
SR4	8/13/2019 21:17	0.14				SR12	8/13/2019 21:17	0.17			
SR4	8/13/2019 21:37	0.13				SR12	8/13/2019 21:37	0.17			
SR4	8/13/2019 21:57	0.15				SR12	8/13/2019 21:57	0.17			
SR4	8/13/2019 22:17	0.13				SR12	8/13/2019 22:17	0.16			
SR4	8/13/2019 22:37	0.13				SR12	8/13/2019 22:37	0.15			
SR4	8/13/2019 22:57	0.13				SR12	8/13/2019 22:57	0.16			
SR4	8/13/2019 23:17	0.13				SR12	8/13/2019 23:17	0.15			
SR4	8/13/2019 23:37	0.13				SR12	8/13/2019 23:37	0.17			
SR4	8/13/2019 23:57	0.14				SR12	8/13/2019 23:57	0.17			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR5 monitoring station was under maintenance during 14:30-14:55.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/14/2019 0:01	29.86	62.8	4.22	8.9	SR4	8/14/2019 6:01	29.30	64.6	4.36	9.3	SR4	8/14/2019 12:01	28.90	63.1	4.20	5.8	SR4	8/14/2019 18:01	28.47	98.1	7.57	5.1
SR4	8/14/2019 0:06	29.73	35.1	4.90	8.8	SR4	8/14/2019 6:06	29.33	68.2	4.60	9.4	SR4	8/14/2019 12:06	28.78	61.4	4.07	5.7	SR4	8/14/2019 18:06	28.88	94.4	7.23	8.4
SR4	8/14/2019 0:11	29.42	19.0	4.92	9.2	SR4	8/14/2019 6:11	29.32	66.0	4.46	9.4	SR4	8/14/2019 12:11	28.87	60.9	4.04	5.8	SR4	8/14/2019 18:11	29.65	90.3	6.82	14.6
SR4	8/14/2019 0:16	29.43	22.6	4.85	9.3	SR4	8/14/2019 6:16	29.37	67.4	4.55	9.2	SR4	8/14/2019 12:16	28.82	62.7	4.16	5.7	SR4	8/14/2019 18:16	28.73	93.4	7.18	6.6
SR4	8/14/2019 0:21	29.79	53.7	4.16	9.1	SR4	8/14/2019 6:21	29.37	66.2	4.46	9.0	SR4	8/14/2019 12:21	29.15	56.4	4.85	5.6	SR4	8/14/2019 18:21	29.68	82.0	6.18	6.6
SR4	8/14/2019 0:26	29.80	53.6	4.12	9.3	SR4	8/14/2019 6:26	29.37	65.9	4.44	8.9	SR4	8/14/2019 12:26	29.24	59.5	3.95	5.7	SR4	8/14/2019 18:26	29.84	80.5	6.04	8.9
SR4	8/14/2019 0:31	29.84	57.7	3.89	9.2	SR4	8/14/2019 6:31	29.32	65.3	4.41	9.0	SR4	8/14/2019 12:31	29.50	55.3	4.33	5.7	SR4	8/14/2019 18:31	29.85	78.1	5.55	9.4
SR4	8/14/2019 0:36	29.84	55.6	4.46	9.3	SR4	8/14/2019 6:36	29.38	67.1	4.52	8.9	SR4	8/14/2019 12:36	29.36	60.5	4.02	5.6	SR4	8/14/2019 18:36	29.83	76.3	5.38	9.8
SR4	8/14/2019 0:41	29.80	62.5	4.20	9.3	SR4	8/14/2019 6:41	29.35	65.2	4.40	9.0	SR4	8/14/2019 12:41	29.57	75.6	5.02	5.8	SR4	8/14/2019 18:41	29.84	74.6	5.29	9.1
SR4	8/14/2019 0:46	29.81	60.5	4.07	9.3	SR4	8/14/2019 6:46	29.38	66.2	4.46	8.7	SR4	8/14/2019 12:46	29.27	76.0	5.05	5.8	SR4	8/14/2019 18:46	29.82	74.7	5.01	9.9
SR4	8/14/2019 0:51	29.80	61.4	4.12	9.2	SR4	8/14/2019 6:51	29.30	62.5	4.19	8.7	SR4	8/14/2019 12:51	29.38	80.4	5.34	5.9	SR4	8/14/2019 18:51	29.84	77.8	5.21	5.3
SR4	8/14/2019 0:56	29.78	54.3	4.67	9.1	SR4	8/14/2019 6:56	29.26	66.0	4.43	8.5	SR4	8/14/2019 12:56	29.39	80.9	5.37	5.9	SR4	8/14/2019 18:56	29.85	76.4	5.12	5.2
SR4	8/14/2019 1:01	29.68	65.4	4.39	9.3	SR4	8/14/2019 7:01	29.25	64.9	4.35	8.7	SR4	8/14/2019 13:01	29.35	80.3	5.32	5.8	SR4	8/14/2019 19:01	29.85	74.2	4.97	5.2
SR4	8/14/2019 1:06	29.75	63.9	4.29	9.2	SR4	8/14/2019 7:06	29.25	62.0	4.16	8.5	SR4	8/14/2019 13:06	29.38	80.3	5.32	5.9	SR4	8/14/2019 19:06	29.84	75.7	5.07	5.5
SR4	8/14/2019 1:11	29.72	53.7	4.84	9.1	SR4	8/14/2019 7:11	29.24	63.2	4.24	8.6	SR4	8/14/2019 13:11	29.43	77.6	5.15	5.8	SR4	8/14/2019 19:11	29.83	79.3	5.31	5.5
SR4	8/14/2019 1:16	29.57	60.0	4.02	9.2	SR4	8/14/2019 7:16	29.22	63.3	4.24	9.2	SR4	8/14/2019 13:16	29.46	79.3	5.26	5.9	SR4	8/14/2019 19:16	29.83	79.5	5.33	5.4
SR4	8/14/2019 1:21	29.66	51.3	4.87	9.0	SR4	8/14/2019 7:21	29.16	63.9	4.28	8.5	SR4	8/14/2019 13:21	29.42	78.1	5.19	5.9	SR4	8/14/2019 19:21	29.81	74.9	5.02	5.4
SR4	8/14/2019 1:26	29.70	37.5	4.51	9.2	SR4	8/14/2019 7:26	29.25	62.4	4.19	8.5	SR4	8/14/2019 13:26	29.37	78.5	5.21	6.0	SR4	8/14/2019 19:26	29.79	77.3	5.18	5.4
SR4	8/14/2019 1:31	29.64	54.7	4.76	8.9	SR4	8/14/2019 7:31	29.23	66.9	4.49	8.5	SR4	8/14/2019 13:31	29.52	75.8	5.03	6.1	SR4	8/14/2019 19:31	29.76	76.7	5.14	5.5
SR4	8/14/2019 1:36	29.58	51.4	4.78	9.4	SR4	8/14/2019 7:36	29.20	64.4	4.31	8.5	SR4	8/14/2019 13:36	29.45	75.9	5.04	6.1	SR4	8/14/2019 19:36	29.77	75.3	5.04	5.5
SR4	8/14/2019 1:41	29.57	25.5	4.57	9.1	SR4	8/14/2019 7:41	29.19	62.1	4.17	8.4	SR4	8/14/2019 13:41	29.62	71.8	4.76	6.0	SR4	8/14/2019 19:41	29.76	64.3	4.30	5.5
SR4	8/14/2019 1:46	29.60	24.9	4.90	9.5	SR4	8/14/2019 7:46	29.23	63.7	4.27	8.4	SR4	8/14/2019 13:46	29.63	69.3	4.60	5.8	SR4	8/14/2019 19:46	29.76	71.9	4.81	5.7
SR4	8/14/2019 1:51	29.52	19.4	4.95	9.3	SR4	8/14/2019 7:51	29.23	62.6	4.21	8.3	SR4	8/14/2019 13:51	29.56	70.1	4.65	5.6	SR4	8/14/2019 19:51	29.75	74.6	5.00	5.6
SR4	8/14/2019 1:56	29.55	17.9	4.17	9.3	SR4	8/14/2019 7:56	29.27	61.4	4.14	8.3	SR4	8/14/2019 13:56	29.51	73.7	4.90	5.6	SR4	8/14/2019 19:56	29.74	75.4	5.05	5.5
SR4	8/14/2019 2:01	29.47	12.7	4.50	9.1	SR4	8/14/2019 8:01	29.27	65.9	4.42	8.3	SR4	8/14/2019 14:01	29.54	75.2	5.00	5.7	SR4	8/14/2019 20:01	29.73	76.2	5.10	5.6
SR4	8/14/2019 2:06	29.59	23.4	4.47	9.5	SR4	8/14/2019 8:06	29.29	63.0	4.23	8.2	SR4	8/14/2019 14:06	29.51	82.7	6.24	8.2	SR4	8/14/2019 20:06	29.76	76.5	5.12	5.6
SR4	8/14/2019 2:11	29.61	23.9	4.68	9.8	SR4	8/14/2019 8:11	29.25	63.9	4.29	8.2	SR4	8/14/2019 14:11	29.52	80.6	6.09	20.1	SR4	8/14/2019 20:11	29.74	76.8	5.14	5.8
SR4	8/14/2019 2:16	29.46	10.8	4.37	8.8	SR4	8/14/2019 8:16	29.18	65.5	4.39	8.3	SR4	8/14/2019 14:16	29.47	89.2	6.76	10.6	SR4	8/14/2019 20:16	29.71	76.6	5.14	5.9
SR4	8/14/2019 2:21	29.66	28.9	4.36	9.8	SR4	8/14/2019 8:21	29.25	64.5	4.33	8.1	SR4	8/14/2019 14:21	29.36	96.6	7.34	6.5	SR4	8/14/2019 20:21	29.72	73.2	4.90	5.9
SR4	8/14/2019 2:26	29.77	63.1	4.25	9.8	SR4	8/14/2019 8:26	29.22	68.3	4.58	8.2	SR4	8/14/2019 14:26	29.15	96.4	7.35	8.0	SR4	8/14/2019 20:26	29.71	72.7	4.87	5.9
SR4	8/14/2019 2:31	29.51	28.8	4.18	9.6	SR4	8/14/2019 8:31	29.14	67.8	4.54	8.2	SR4	8/14/2019 14:31	29.17	97.4	7.42	5.2	SR4	8/14/2019 20:31	29.68	74.5	4.99	6.0
SR4	8/14/2019 2:36	29.70	59.5	4.01	9.7	SR4	8/14/2019 8:36	29.13	66.4	4.45	8.0	SR4	8/14/2019 14:36	29.08	97.6	7.45	5.2	SR4	8/14/2019 20:36	29.67	75.3	5.05	5.9
SR4	8/14/2019 2:41	29.61	64.3	4.32	9.9	SR4	8/14/2019 8:41	29.26	65.9	4.42	8.0	SR4	8/14/2019 14:41	29.18	95.8	7.29	7.6	SR4	8/14/2019 20:41	29.65	75.6	5.07	5.9
SR4	8/14/2019 2:46	29.59	68.0	4.56	9.5	SR4	8/14/2019 8:46	29.22	68.6	4.60	8.1	SR4	8/14/2019 14:46	29.04	97.6	7.46	9.8	SR4	8/14/2019 20:46	29.69	74.0	4.95	6.0
SR4	8/14/2019 2:51	29.60	65.7	4.41	9.7	SR4	8/14/2019 8:51	29.18	66.8	4.48	8.0	SR4	8/14/2019 14:51	29.00	97.1	7.43	9.7	SR4	8/14/2019 20:51	29.65	70.8	4.74	5.7
SR4	8/14/2019 2:56	29.62	60.7	4.11	9.7	SR4	8/14/2019 8:56	29.23	64.6	4.33	8.0	SR4	8/14/2019 14:56	28.89	97.5	7.47	9.5	SR4	8/14/2019 20:56	29.65	71.6	4.80	5.8
SR4	8/14/2019 3:01	29.65	62.6	4.22	9.8	SR4	8/14/2019 9:01	29.21	63.7	4.27	8.0	SR4	8/14/2019 15:01	29.12	97.4	7.42	9.5	SR4	8/14/2019 21:01	29.65	73.8	4.94	5.8
SR4	8/14/2019 3:06	29.61	61.9	4.17	9.5	SR4	8/14/2019 9:06	29.24	63.4	4.25	8.0	SR4	8/14/2019 15:06	29.04	97.5	7.45	9.5	SR4	8/14/2019 21:06	29.64	72.3	4.84	5.9
SR4	8/14/2019 3:11	29.65	55.5	4.35	9.7	SR4	8/14/2019 9:11	29.26	67.3	4.52	8.2	SR4	8/14/2019 15:11	29.25	97.6	7.41	5.1	SR4	8/14/2019 21:11	29.59	75.5	5.07	5.9
SR4	8/14/2019 3:16	29.65	57.8	3.90	9.7	SR4	8/14/2019 9:16	29.30	67.2	4.51	8.2	SR4	8/14/2019 15:16	29.35	97.4	7.39	9.4	SR4	8/14/2019 21:16	29.61	72.8	4.89	6.0
SR4	8/14/2019 3:21	29.62	60.8	4.09	9.8	SR4	8/14/2019 9:21	29.28	66.8	4.48	8.1	SR4	8/14/2019 15:21	29.21	97.3	7.41	9.3	SR4	8/14/2019 21:21	29.65	74.9	5.02	6.0
SR4	8/14/2019 3:26	29.57	63.3	4.25	9.8	SR4	8/14/2019 9:26	29.29	63.8	4.28	8.2	SR4	8/14/2019 15:26	29.14	97.3	7.42	9.2	SR4	8/14/2019 21:26	29.64	72.0	4.83	5.9
SR4	8/14/2019 3:31	29.61	52.8	4.31	7.2	SR4	8/14/2019 9:31	29.29	64.8	4.35	8.2	SR4	8/14/2019 15:31	29.14	97.4	7.43	9.2	SR4	8/14/2019 21:31	29.66	73.8	4.95	5.9
SR4	8/14/2019 3:36	29.61	53.5	4.55	9.9	SR4	8/14/2019 9:36	29.17	67.7	4.53	8.2	SR4	8/14/2019 15:36	29.27	97.0	7.38	9.4	SR4	8/14/2019 21:36	29.71	73.7	4.94	6.1
SR4	8/14/2019 3:41	29.50	38.9	4.56	9.9	SR4	8/14/2019 9:41	29.27	68.8	4.61	8.4	SR4	8/14/2019 15:41	29.00	97.6	7.46	9.2	SR4	8/14/2019 21:41	29.62	70.4	4.72	6.0
SR4	8/14/2019 3:46	29.59	51.4	4.18	9.8	SR4	8/14/2019 9:46	29.23	68.5	4.59	8.3	SR4	8/14/2019 15:46	29.30	97.3	7.41	9.3	SR4	8/14/2019 21:46	29.60	69.7	4.68	6.0
SR4	8/14/2019 3:51	29.61	50.1	4.41	9.9	SR4	8/14/2019 9:51	29.25	70.6	4.73	8.4	SR4	8/14/2019 15:51	29.20	97.7	7.45	9.9	SR4	8/14/2019 21:51	29.60	68.4	4.60	6.1
SR4	8/14/2019 3:56	29.61	49.7	4.13	9.5	SR4	8/14/2019 9:56																

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/14/2019 0:00	29.59	77.8	5.87	6.4	SR5	8/14/2019 6:00	29.82	76.0	5.84	3.9	SR5	8/14/2019 12:00	30.45	88.0	6.59	4.2	SR5	8/14/2019 18:00	30.62	84.6	6.64	4.5
SR5	8/14/2019 0:05	29.61	77.4	5.86	4.9	SR5	8/14/2019 6:05	29.74	76.6	5.86	5.3	SR5	8/14/2019 12:05	30.57	88.7	6.65	4.8	SR5	8/14/2019 18:05	30.63	85.2	6.65	5.1
SR5	8/14/2019 0:10	29.70	75.2	5.75	3.8	SR5	8/14/2019 6:10	29.34	79.0	6.03	5.5	SR5	8/14/2019 12:10	30.49	93.0	6.87	3.5	SR5	8/14/2019 18:10	30.51	84.9	6.64	5.0
SR5	8/14/2019 0:15	29.68	74.3	5.70	4.1	SR5	8/14/2019 6:15	29.21	75.8	5.86	3.5	SR5	8/14/2019 12:15	30.62	91.0	6.73	3.6	SR5	8/14/2019 18:15	30.42	84.3	6.57	4.4
SR5	8/14/2019 0:20	29.68	75.5	5.79	3.2	SR5	8/14/2019 6:20	29.12	79.7	6.07	5.5	SR5	8/14/2019 12:20	30.56	93.6	6.89	4.4	SR5	8/14/2019 18:20	30.41	84.6	6.60	4.6
SR5	8/14/2019 0:25	29.71	77.7	5.90	2.6	SR5	8/14/2019 6:25	29.02	76.1	5.88	3.5	SR5	8/14/2019 12:25	30.50	92.9	6.85	4.1	SR5	8/14/2019 18:25	30.36	85.1	6.66	3.5
SR5	8/14/2019 0:30	29.71	78.7	5.97	4.7	SR5	8/14/2019 6:30	28.99	78.9	6.05	3.0	SR5	8/14/2019 12:30	30.48	90.8	6.72	3.2	SR5	8/14/2019 18:30	30.32	84.2	6.57	5.3
SR5	8/14/2019 0:35	29.81	75.2	5.77	4.8	SR5	8/14/2019 6:35	28.99	75.4	5.85	2.3	SR5	8/14/2019 12:35	30.55	92.2	6.83	3.1	SR5	8/14/2019 18:35	30.30	84.8	6.62	4.6
SR5	8/14/2019 0:40	29.83	77.2	5.84	3.1	SR5	8/14/2019 6:40	28.98	79.3	6.04	4.1	SR5	8/14/2019 12:40	30.55	91.0	6.72	3.9	SR5	8/14/2019 18:40	30.25	84.7	6.64	4.1
SR5	8/14/2019 0:45	29.84	78.3	5.90	4.4	SR5	8/14/2019 6:45	28.87	76.1	5.88	3.0	SR5	8/14/2019 12:45	30.76	93.3	6.85	4.0	SR5	8/14/2019 18:45	30.19	84.7	6.64	3.8
SR5	8/14/2019 0:50	29.86	77.5	5.88	3.7	SR5	8/14/2019 6:50	28.67	77.3	5.93	4.3	SR5	8/14/2019 12:50	30.62	91.6	6.79	4.9	SR5	8/14/2019 18:50	30.19	83.3	6.50	5.3
SR5	8/14/2019 0:55	29.92	79.0	5.96	2.9	SR5	8/14/2019 6:55	28.71	80.6	6.13	3.1	SR5	8/14/2019 12:55	30.57	89.6	6.67	4.9	SR5	8/14/2019 18:55	30.20	83.7	6.53	4.9
SR5	8/14/2019 1:00	30.02	75.6	5.81	2.6	SR5	8/14/2019 7:00	28.69	80.4	6.09	4.1	SR5	8/14/2019 13:00	30.67	88.4	6.61	3.8	SR5	8/14/2019 19:00	30.25	84.5	6.60	1.5
SR5	8/14/2019 1:05	30.07	76.4	5.81	3.5	SR5	8/14/2019 7:05	28.70	80.9	6.16	3.1	SR5	8/14/2019 13:05	30.58	88.5	6.61	4.3	SR5	8/14/2019 19:05	30.05	83.8	6.56	2.2
SR5	8/14/2019 1:10	30.13	75.6	5.75	2.9	SR5	8/14/2019 7:10	28.68	79.2	6.07	4.5	SR5	8/14/2019 13:10	30.55	89.8	6.66	4.7	SR5	8/14/2019 19:10	30.05	83.1	6.50	4.1
SR5	8/14/2019 1:15	30.16	78.8	5.94	4.4	SR5	8/14/2019 7:15	28.71	77.0	5.96	5.7	SR5	8/14/2019 13:15	30.55	87.2	6.52	3.2	SR5	8/14/2019 19:15	29.21	84.9	6.63	4.0
SR5	8/14/2019 1:20	30.11	75.6	5.79	2.6	SR5	8/14/2019 7:20	28.68	78.8	6.05	4.8	SR5	8/14/2019 13:20	30.56	92.9	6.86	4.8	SR5	8/14/2019 19:20	29.10	84.0	6.56	4.4
SR5	8/14/2019 1:25	30.04	77.4	5.88	4.2	SR5	8/14/2019 7:25	28.68	77.2	5.92	3.0	SR5	8/14/2019 13:25	30.67	87.3	6.52	3.1	SR5	8/14/2019 19:25	29.10	84.0	6.57	3.6
SR5	8/14/2019 1:30	30.05	75.3	5.73	4.2	SR5	8/14/2019 7:30	28.57	77.7	5.96	2.7	SR5	8/14/2019 13:30	30.66	88.3	6.58	2.9	SR5	8/14/2019 19:30	29.05	83.8	6.52	5.3
SR5	8/14/2019 1:35	30.04	78.4	5.94	5.0	SR5	8/14/2019 7:35	28.57	80.5	6.09	4.5	SR5	8/14/2019 13:35	30.66	90.9	6.73	3.6	SR5	8/14/2019 19:35	28.89	84.7	6.62	4.7
SR5	8/14/2019 1:40	30.06	72.9	5.61	4.4	SR5	8/14/2019 7:40	28.60	77.6	5.94	4.3	SR5	8/14/2019 13:40	30.68	89.4	6.66	3.3	SR5	8/14/2019 19:40	28.86	84.7	6.64	5.1
SR5	8/14/2019 1:45	30.05	74.6	5.73	3.3	SR5	8/14/2019 7:45	28.59	79.7	6.11	5.0	SR5	8/14/2019 13:45	30.55	88.4	6.62	3.6	SR5	8/14/2019 19:45	28.79	84.5	6.59	4.8
SR5	8/14/2019 1:50	30.05	73.5	5.69	4.3	SR5	8/14/2019 7:50	28.53	80.8	6.15	3.9	SR5	8/14/2019 13:50	30.54	90.7	6.71	2.8	SR5	8/14/2019 19:50	28.78	83.7	6.52	3.9
SR5	8/14/2019 1:55	30.05	71.9	5.58	3.4	SR5	8/14/2019 7:55	28.51	78.8	6.01	4.1	SR5	8/14/2019 13:55	30.56	86.7	6.52	4.3	SR5	8/14/2019 19:55	28.77	84.3	6.61	8.1
SR5	8/14/2019 2:00	30.07	70.4	5.48	3.2	SR5	8/14/2019 8:00	28.50	80.5	6.10	3.8	SR5	8/14/2019 14:00	30.53	84.3	6.38	2.8	SR5	8/14/2019 20:00	28.73	85.4	6.69	4.4
SR5	8/14/2019 2:05	30.05	71.3	5.55	5.1	SR5	8/14/2019 8:05	28.51	79.1	6.03	3.0	SR5	8/14/2019 14:05	30.81	86.1	6.47	3.8	SR5	8/14/2019 20:05	28.68	86.5	6.81	3.5
SR5	8/14/2019 2:10	30.05	70.7	5.49	3.8	SR5	8/14/2019 8:10	28.53	82.0	6.23	4.6	SR5	8/14/2019 14:10	30.77	84.5	6.38	3.7	SR5	8/14/2019 20:10	28.66	85.9	6.75	2.9
SR5	8/14/2019 2:15	30.06	73.7	5.71	3.4	SR5	8/14/2019 8:15	28.53	78.3	6.01	3.6	SR5	8/14/2019 14:15	30.71	90.2	6.72	4.5	SR5	8/14/2019 20:15	28.63	85.2	6.69	4.2
SR5	8/14/2019 2:20	30.12	73.8	5.66	3.6	SR5	8/14/2019 8:20	28.52	79.6	6.08	3.9	SR5	8/14/2019 14:20	30.65	86.8	6.52	5.0	SR5	8/14/2019 20:20	28.61	86.2	6.77	3.3
SR5	8/14/2019 2:25	30.20	71.6	5.59	3.9	SR5	8/14/2019 8:25	28.49	82.4	6.24	5.5	SR5	8/14/2019 14:25	30.61	88.3	6.62	3.6	SR5	8/14/2019 20:25	28.61	86.5	6.82	4.4
SR5	8/14/2019 2:30	30.21	74.7	5.73	3.0	SR5	8/14/2019 8:30	28.46	79.1	6.08	4.6	SR5	8/14/2019 14:30	30.60	85.1	6.42	2.8	SR5	8/14/2019 20:30	28.63	85.0	6.67	2.7
SR5	8/14/2019 2:35	30.21	71.9	5.60	3.7	SR5	8/14/2019 8:35	28.44	79.4	6.09	5.3	SR5	8/14/2019 14:35	30.66	88.2	6.60	4.7	SR5	8/14/2019 20:35	28.55	84.6	6.65	3.8
SR5	8/14/2019 2:40	30.26	73.2	5.69	2.7	SR5	8/14/2019 8:40	28.42	79.5	6.09	4.9	SR5	8/14/2019 14:40	30.71	86.6	6.53	4.5	SR5	8/14/2019 20:40	28.54	85.9	6.75	4.4
SR5	8/14/2019 2:45	30.27	74.6	5.75	4.4	SR5	8/14/2019 8:45	28.47	81.3	6.20	4.3	SR5	8/14/2019 14:45	30.58	86.2	6.47	2.1	SR5	8/14/2019 20:45	28.53	86.6	6.82	4.8
SR5	8/14/2019 2:50	30.26	75.1	5.78	3.5	SR5	8/14/2019 8:50	28.41	80.0	6.14	3.2	SR5	8/14/2019 14:50	30.67	82.2	6.26	3.6	SR5	8/14/2019 20:50	28.60	85.5	6.72	2.8
SR5	8/14/2019 2:55	30.28	74.4	5.78	5.5	SR5	8/14/2019 8:55	28.39	82.0	6.22	4.5	SR5	8/14/2019 14:55	30.62	84.6	6.39	3.2	SR5	8/14/2019 20:55	28.50	86.0	6.74	4.3
SR5	8/14/2019 3:00	30.24	76.7	5.88	4.2	SR5	8/14/2019 9:00	28.37	80.9	6.16	4.5	SR5	8/14/2019 15:00	30.69	86.2	6.47	4.5	SR5	8/14/2019 21:00	28.48	85.9	6.77	2.6
SR5	8/14/2019 3:05	30.25	73.4	5.69	4.0	SR5	8/14/2019 9:05	28.45	83.5	6.29	3.3	SR5	8/14/2019 15:05	30.74	86.3	6.48	3.7	SR5	8/14/2019 21:05	28.46	85.5	6.74	3.2
SR5	8/14/2019 3:10	30.26	73.4	5.69	3.2	SR5	8/14/2019 9:10	28.42	83.8	6.32	3.8	SR5	8/14/2019 15:10	30.74	88.0	6.59	3.8	SR5	8/14/2019 21:10	28.45	85.3	6.70	5.7
SR5	8/14/2019 3:15	30.27	75.2	5.83	2.7	SR5	8/14/2019 9:15	28.39	83.6	6.32	2.7	SR5	8/14/2019 15:15	30.75	87.8	6.57	3.9	SR5	8/14/2019 21:15	28.44	85.5	6.72	4.9
SR5	8/14/2019 3:20	30.22	78.3	5.97	2.4	SR5	8/14/2019 9:20	28.34	84.1	6.36	4.2	SR5	8/14/2019 15:20	30.78	87.0	6.53	3.3	SR5	8/14/2019 21:20	28.42	86.2	6.77	4.7
SR5	8/14/2019 3:25	30.28	78.0	5.96	2.6	SR5	8/14/2019 9:25	28.35	83.9	6.31	5.5	SR5	8/14/2019 15:25	30.76	81.0	6.22	2.8	SR5	8/14/2019 21:25	28.43	85.4	6.69	4.6
SR5	8/14/2019 3:30	30.28	75.7	5.84	3.5	SR5	8/14/2019 9:30	28.41	80.0	6.13	4.7	SR5	8/14/2019 15:30	30.73	80.1	6.19	3.9	SR5	8/14/2019 21:30	28.39	86.2	6.76	3.9
SR5	8/14/2019 3:35	30.27	73.9	5.75	3.8	SR5	8/14/2019 9:35	28.67	81.7	6.21	4.6	SR5	8/14/2019 15:35	30.80	86.5	6.53	3.4	SR5	8/14/2019 21:35	28.37	85.9	6.76	4.5
SR5	8/14/2019 3:40	30.27	75.2	5.82	4.0	SR5	8/14/2019 9:40	29.09	83.1	6.27	2.3	SR5	8/14/2019 15:40	30.66	88.7	6.64	3.8	SR5	8/14/2019 21:40	28.37	85.8	6.74	4.1
SR5	8/14/2019 3:45	30.27	76.0	5.86	3.0	SR5	8/14/2019 9:45	29.07	79.9	6.13	3.5	SR5	8/14/2019 15:45	30.63	85.5	6.50	3.6	SR5	8/14/2019 21:45	28.35	85.6	6.72	3.6
SR5	8/14/2019 3:50	30.27	75.3	5.79	5.6	SR5	8/14/2019 9:50	29.14	81.1	6.21	5.0	SR5	8/14/2019 15:50	30.62	88.2	6.64	2.6	SR5	8/14/2019 21:50	28.35	85.9	6.75	3.5
SR5	8/14/2019 3:55	30.27	77.8	5.93	4.1	SR5	8/14/2019 9:55	29															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/14/2019 0:01	29.59	67.2	5.03	7.1	SR12	8/14/2019 6:01	28.49	68.7	5.14	7.4	SR12	8/14/2019 12:01	28.72	66.8	5.00	7.2	SR12	8/14/2019 18:01	29.67	68.3	4.70	7.0
SR12	8/14/2019 0:06	29.55	62.5	4.68	6.7	SR12	8/14/2019 6:06	28.52	65.1	4.67	6.3	SR12	8/14/2019 12:06	28.96	68.7	5.14	6.2	SR12	8/14/2019 18:06	29.66	69.2	4.77	7.2
SR12	8/14/2019 0:11	29.63	64.5	4.83	6.0	SR12	8/14/2019 6:11	28.42	69.3	5.19	6.9	SR12	8/14/2019 12:11	28.94	61.7	4.62	7.7	SR12	8/14/2019 18:11	29.66	66.0	4.94	7.2
SR12	8/14/2019 0:16	29.56	62.9	4.71	6.7	SR12	8/14/2019 6:16	28.44	64.3	4.81	7.2	SR12	8/14/2019 12:16	28.92	64.1	4.80	6.9	SR12	8/14/2019 18:16	29.66	69.6	5.21	6.4
SR12	8/14/2019 0:21	29.57	68.1	5.10	7.4	SR12	8/14/2019 6:21	28.41	62.7	4.69	5.2	SR12	8/14/2019 12:21	28.92	62.0	4.64	5.6	SR12	8/14/2019 18:21	29.65	66.9	4.61	7.1
SR12	8/14/2019 0:26	29.49	65.2	4.88	6.4	SR12	8/14/2019 6:26	28.36	63.9	4.78	5.7	SR12	8/14/2019 12:26	28.89	65.3	4.89	6.8	SR12	8/14/2019 18:26	29.65	62.0	4.64	6.9
SR12	8/14/2019 0:31	29.51	68.0	5.09	7.1	SR12	8/14/2019 6:31	28.36	68.3	5.11	6.8	SR12	8/14/2019 12:31	28.84	65.1	4.87	6.9	SR12	8/14/2019 18:31	29.64	61.9	4.63	6.7
SR12	8/14/2019 0:36	29.50	63.2	4.73	7.5	SR12	8/14/2019 6:36	28.43	66.0	4.94	6.2	SR12	8/14/2019 12:36	28.49	68.4	5.12	7.0	SR12	8/14/2019 18:36	29.64	61.9	4.63	6.6
SR12	8/14/2019 0:41	29.55	64.4	4.82	7.2	SR12	8/14/2019 6:41	28.41	69.5	5.20	6.7	SR12	8/14/2019 12:41	28.90	64.3	4.81	6.5	SR12	8/14/2019 18:41	29.63	62.3	4.66	7.6
SR12	8/14/2019 0:46	29.46	68.7	5.14	6.3	SR12	8/14/2019 6:46	28.46	68.4	5.12	8.0	SR12	8/14/2019 12:46	28.68	64.3	4.81	6.6	SR12	8/14/2019 18:46	29.61	61.6	4.61	8.0
SR12	8/14/2019 0:51	29.49	69.1	5.17	6.8	SR12	8/14/2019 6:51	28.43	66.8	5.00	6.6	SR12	8/14/2019 12:51	28.70	62.9	4.71	7.2	SR12	8/14/2019 18:51	29.61	64.7	4.84	7.4
SR12	8/14/2019 0:56	29.48	69.1	5.17	7.2	SR12	8/14/2019 6:56	28.46	63.2	4.73	5.9	SR12	8/14/2019 12:56	28.65	62.4	4.67	7.0	SR12	8/14/2019 18:56	29.58	69.5	5.20	6.5
SR12	8/14/2019 1:01	29.54	61.9	4.63	6.1	SR12	8/14/2019 7:01	28.27	62.0	4.64	6.5	SR12	8/14/2019 13:01	28.77	62.3	4.66	6.8	SR12	8/14/2019 19:01	29.46	63.1	4.72	6.4
SR12	8/14/2019 1:06	29.54	64.5	4.83	6.6	SR12	8/14/2019 7:06	28.35	68.1	5.10	6.9	SR12	8/14/2019 13:06	28.75	62.8	4.70	6.7	SR12	8/14/2019 19:06	29.24	62.9	4.71	7.2
SR12	8/14/2019 1:11	29.49	66.1	4.95	6.3	SR12	8/14/2019 7:11	28.24	66.9	5.01	6.7	SR12	8/14/2019 13:11	28.78	66.4	4.97	7.1	SR12	8/14/2019 19:11	29.10	65.9	4.93	7.0
SR12	8/14/2019 1:16	29.50	64.8	4.85	6.8	SR12	8/14/2019 7:16	28.25	62.5	4.68	6.1	SR12	8/14/2019 13:16	28.85	64.5	4.83	6.8	SR12	8/14/2019 19:16	29.13	62.4	4.67	7.1
SR12	8/14/2019 1:21	29.51	69.2	5.18	7.6	SR12	8/14/2019 7:21	28.33	65.9	4.93	6.9	SR12	8/14/2019 13:21	28.83	63.5	4.75	6.5	SR12	8/14/2019 19:21	28.96	68.1	5.10	7.3
SR12	8/14/2019 1:26	29.44	66.3	4.96	6.5	SR12	8/14/2019 7:26	28.31	61.9	4.63	7.2	SR12	8/14/2019 13:26	28.92	66.1	4.95	6.8	SR12	8/14/2019 19:26	29.61	67.7	5.07	7.2
SR12	8/14/2019 1:31	29.43	64.1	4.80	7.0	SR12	8/14/2019 7:31	28.24	68.3	5.11	7.3	SR12	8/14/2019 13:31	28.90	66.7	4.99	7.3	SR12	8/14/2019 19:31	28.96	69.6	5.21	7.3
SR12	8/14/2019 1:36	29.50	67.9	5.08	6.1	SR12	8/14/2019 7:36	28.38	64.3	4.81	6.3	SR12	8/14/2019 13:36	28.92	61.6	4.61	7.4	SR12	8/14/2019 19:36	28.68	63.5	4.75	6.7
SR12	8/14/2019 1:41	29.25	66.0	4.94	6.6	SR12	8/14/2019 7:41	28.35	63.5	4.75	6.4	SR12	8/14/2019 13:41	28.94	67.3	5.04	7.5	SR12	8/14/2019 19:41	28.69	61.3	4.59	6.6
SR12	8/14/2019 1:46	29.42	63.9	4.78	6.0	SR12	8/14/2019 7:46	28.34	67.2	5.03	6.8	SR12	8/14/2019 13:46	28.94	61.5	4.60	7.5	SR12	8/14/2019 19:46	28.60	67.5	5.05	6.3
SR12	8/14/2019 1:51	29.43	66.4	4.97	6.4	SR12	8/14/2019 7:51	28.36	64.9	4.86	6.2	SR12	8/14/2019 13:51	28.93	68.4	5.12	8.6	SR12	8/14/2019 19:51	28.63	62.0	4.64	6.6
SR12	8/14/2019 1:56	29.47	62.8	4.70	7.4	SR12	8/14/2019 7:56	28.49	66.5	4.98	6.9	SR12	8/14/2019 13:56	28.92	65.1	4.87	8.0	SR12	8/14/2019 19:56	29.00	64.8	4.85	6.4
SR12	8/14/2019 2:01	29.42	64.8	4.85	5.7	SR12	8/14/2019 8:01	28.46	67.1	5.02	6.0	SR12	8/14/2019 14:01	29.03	73.6	5.36	7.0	SR12	8/14/2019 20:01	28.91	66.9	5.01	6.2
SR12	8/14/2019 2:06	29.43	64.1	4.80	6.8	SR12	8/14/2019 8:06	28.57	66.1	4.95	6.3	SR12	8/14/2019 14:06	29.02	77.6	5.71	7.5	SR12	8/14/2019 20:06	28.89	68.9	5.16	6.7
SR12	8/14/2019 2:11	29.44	62.9	4.71	7.3	SR12	8/14/2019 8:11	28.55	67.1	5.02	6.8	SR12	8/14/2019 14:11	29.00	80.7	5.74	7.3	SR12	8/14/2019 20:11	28.95	67.6	5.06	6.9
SR12	8/14/2019 2:16	29.41	65.1	4.87	6.1	SR12	8/14/2019 8:16	28.63	64.4	4.82	7.3	SR12	8/14/2019 14:16	29.04	80.7	5.67	7.4	SR12	8/14/2019 20:16	28.86	62.5	4.68	6.6
SR12	8/14/2019 2:21	29.28	62.0	4.64	6.7	SR12	8/14/2019 8:21	28.62	68.5	5.13	6.4	SR12	8/14/2019 14:21	29.01	81.0	5.75	6.8	SR12	8/14/2019 20:21	28.89	69.6	5.21	5.9
SR12	8/14/2019 2:26	29.32	61.3	4.59	6.8	SR12	8/14/2019 8:26	28.56	62.4	4.67	6.3	SR12	8/14/2019 14:26	29.09	80.2	5.70	7.2	SR12	8/14/2019 20:26	28.88	67.1	5.02	4.8
SR12	8/14/2019 2:31	29.35	63.5	4.75	7.2	SR12	8/14/2019 8:31	28.72	68.9	5.16	6.2	SR12	8/14/2019 14:31	29.10	79.9	5.71	8.4	SR12	8/14/2019 20:31	29.02	68.8	5.15	6.2
SR12	8/14/2019 2:36	29.35	67.5	5.05	6.5	SR12	8/14/2019 8:36	28.74	64.1	4.80	5.7	SR12	8/14/2019 14:36	29.00	79.0	5.60	7.0	SR12	8/14/2019 20:36	28.98	62.9	4.71	5.8
SR12	8/14/2019 2:41	29.34	65.1	4.87	6.8	SR12	8/14/2019 8:41	28.94	62.5	4.68	7.0	SR12	8/14/2019 14:41	29.04	78.4	5.58	7.5	SR12	8/14/2019 20:41	28.93	68.1	5.10	5.9
SR12	8/14/2019 2:46	29.29	67.6	5.06	7.1	SR12	8/14/2019 8:46	29.00	67.5	5.05	6.6	SR12	8/14/2019 14:46	29.03	78.4	5.60	7.4	SR12	8/14/2019 20:46	28.94	63.7	4.77	6.1
SR12	8/14/2019 2:51	29.37	66.9	5.01	7.1	SR12	8/14/2019 8:51	28.97	61.7	4.62	6.3	SR12	8/14/2019 14:51	29.02	78.1	5.55	6.8	SR12	8/14/2019 20:51	28.85	63.7	4.77	5.6
SR12	8/14/2019 2:56	29.35	63.2	4.73	6.4	SR12	8/14/2019 8:56	28.92	61.7	4.62	6.0	SR12	8/14/2019 14:56	29.06	78.2	5.49	8.3	SR12	8/14/2019 20:56	28.90	64.3	4.81	7.5
SR12	8/14/2019 3:01	29.37	64.1	4.80	6.9	SR12	8/14/2019 9:01	28.93	63.7	4.77	7.0	SR12	8/14/2019 15:01	29.06	78.9	5.53	6.8	SR12	8/14/2019 21:01	28.91	67.2	5.03	6.7
SR12	8/14/2019 3:06	29.33	67.9	5.08	6.7	SR12	8/14/2019 9:06	29.07	67.5	5.05	6.3	SR12	8/14/2019 15:06	29.05	80.9	5.76	8.4	SR12	8/14/2019 21:06	28.89	66.5	4.98	7.1
SR12	8/14/2019 3:11	29.32	62.4	4.67	6.5	SR12	8/14/2019 9:11	29.08	69.5	5.20	6.2	SR12	8/14/2019 15:11	29.00	82.0	5.78	7.1	SR12	8/14/2019 21:11	28.86	68.0	5.09	6.2
SR12	8/14/2019 3:16	29.27	65.3	4.89	6.5	SR12	8/14/2019 9:16	29.07	69.2	5.18	7.5	SR12	8/14/2019 15:16	29.08	84.4	6.09	7.7	SR12	8/14/2019 21:16	28.86	67.9	5.08	7.1
SR12	8/14/2019 3:21	29.30	69.2	5.18	6.6	SR12	8/14/2019 9:21	28.93	62.5	4.68	6.6	SR12	8/14/2019 15:21	29.18	86.0	6.23	7.1	SR12	8/14/2019 21:21	28.92	66.5	4.98	6.5
SR12	8/14/2019 3:26	29.28	69.3	5.19	7.4	SR12	8/14/2019 9:26	29.11	68.0	5.09	6.4	SR12	8/14/2019 15:26	29.19	86.9	6.22	7.5	SR12	8/14/2019 21:26	28.88	61.6	4.61	6.9
SR12	8/14/2019 3:31	29.31	66.5	4.98	5.9	SR12	8/14/2019 9:31	29.23	64.7	4.84	6.0	SR12	8/14/2019 15:31	29.21	87.1	6.18	7.5	SR12	8/14/2019 21:31	28.91	61.5	4.60	6.7
SR12	8/14/2019 3:36	29.31	66.5	4.98	6.5	SR12	8/14/2019 9:36	29.02	68.1	5.10	6.0	SR12	8/14/2019 15:36	29.10	88.0	6.26	7.3	SR12	8/14/2019 21:36	29.02	62.4	4.67	6.5
SR12	8/14/2019 3:41	29.30	66.9	5.01	6.8	SR12	8/14/2019 9:41	29.16	68.4	5.12	5.5	SR12	8/14/2019 15:41	29.38	67.1	4.72	7.8	SR12	8/14/2019 21:41	28.97	67.1	5.02	6.7
SR12	8/14/2019 3:46	29.29	61.5	4.60	6.0	SR12	8/14/2019 9:46	29.16	66.1	4.95	6.4	SR12	8/14/2019 15:46	29.40	66.6	5.01	8.6	SR12	8/14/2019 21:46	28.97	66.5	4.98	6.0
SR12	8/14/2019 3:51	29.27	63.7	4.77	6.8	SR12	8/14/2019 9:51	29.15	69.6	5.21	6.5	SR12	8/14/2019 15:51	29.42									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/14/2019 0:00	29.60	75.2	5.67	6.8	SR13	8/14/2019 6:00	29.12	72.6	5.51	6.1	SR13	8/14/2019 12:00	29.66	76.1	5.72	7.5	SR13	8/14/2019 18:00	29.86	82.8	6.33	5.7
SR13	8/14/2019 0:05	29.58	74.3	5.60	6.1	SR13	8/14/2019 6:05	29.09	70.8	5.36	7.0	SR13	8/14/2019 12:05	29.74	79.1	5.95	6.9	SR13	8/14/2019 18:05	29.84	82.8	6.32	5.3
SR13	8/14/2019 0:10	29.61	71.2	5.39	6.1	SR13	8/14/2019 6:10	28.92	75.9	5.74	7.0	SR13	8/14/2019 12:10	29.71	79.3	5.92	6.0	SR13	8/14/2019 18:10	29.82	81.4	6.21	6.5
SR13	8/14/2019 0:15	29.63	73.0	5.53	6.3	SR13	8/14/2019 6:15	28.94	72.0	5.47	6.3	SR13	8/14/2019 12:15	29.76	76.4	5.71	5.9	SR13	8/14/2019 18:15	29.65	79.9	6.09	6.7
SR13	8/14/2019 0:20	29.52	73.3	5.56	6.3	SR13	8/14/2019 6:20	28.90	71.4	5.40	6.8	SR13	8/14/2019 12:20	29.75	79.9	5.96	6.3	SR13	8/14/2019 18:20	29.64	77.5	5.92	6.5
SR13	8/14/2019 0:25	29.59	71.7	5.41	5.6	SR13	8/14/2019 6:25	28.86	72.8	5.53	5.2	SR13	8/14/2019 12:25	29.73	77.5	5.79	6.2	SR13	8/14/2019 18:25	29.59	80.7	6.16	5.5
SR13	8/14/2019 0:30	29.60	73.4	5.54	6.6	SR13	8/14/2019 6:30	28.86	71.9	5.45	5.0	SR13	8/14/2019 12:30	29.73	81.2	6.07	6.6	SR13	8/14/2019 18:30	29.58	77.6	5.92	6.5
SR13	8/14/2019 0:35	29.65	72.1	5.47	7.2	SR13	8/14/2019 6:35	28.92	71.8	5.46	6.0	SR13	8/14/2019 12:35	29.76	78.9	5.90	6.5	SR13	8/14/2019 18:35	29.72	79.2	6.05	6.8
SR13	8/14/2019 0:40	29.64	72.5	5.47	5.2	SR13	8/14/2019 6:40	28.90	73.1	5.53	6.5	SR13	8/14/2019 12:40	29.80	82.9	6.13	6.3	SR13	8/14/2019 18:40	29.67	79.9	6.11	5.8
SR13	8/14/2019 0:45	29.65	71.9	5.41	6.1	SR13	8/14/2019 6:45	28.90	70.8	5.38	5.7	SR13	8/14/2019 12:45	29.88	86.0	6.37	6.2	SR13	8/14/2019 18:45	29.63	81.0	6.19	5.9
SR13	8/14/2019 0:50	29.65	72.8	5.49	6.4	SR13	8/14/2019 6:50	28.81	73.2	5.54	6.7	SR13	8/14/2019 12:50	29.82	85.5	6.28	6.5	SR13	8/14/2019 18:50	29.65	79.7	6.08	6.6
SR13	8/14/2019 0:55	29.66	74.5	5.61	6.1	SR13	8/14/2019 6:55	28.86	72.5	5.48	6.0	SR13	8/14/2019 12:55	29.82	83.5	6.11	6.7	SR13	8/14/2019 18:55	29.61	77.2	5.90	6.9
SR13	8/14/2019 1:00	29.64	71.0	5.38	6.2	SR13	8/14/2019 7:00	28.84	73.6	5.55	6.5	SR13	8/14/2019 13:00	29.86	83.2	6.12	5.8	SR13	8/14/2019 19:00	29.63	81.6	6.22	5.5
SR13	8/14/2019 1:05	29.68	72.2	5.45	6.2	SR13	8/14/2019 7:05	28.82	72.0	5.44	5.9	SR13	8/14/2019 13:05	29.86	84.4	6.21	6.2	SR13	8/14/2019 19:05	29.54	78.8	6.02	4.7
SR13	8/14/2019 1:10	29.71	71.3	5.38	6.5	SR13	8/14/2019 7:10	28.88	73.3	5.55	6.6	SR13	8/14/2019 13:10	29.86	84.4	6.21	7.4	SR13	8/14/2019 19:10	29.58	77.7	5.93	6.2
SR13	8/14/2019 1:15	29.71	74.0	5.57	6.3	SR13	8/14/2019 7:15	28.90	71.9	5.47	6.5	SR13	8/14/2019 13:15	29.82	82.9	6.10	6.1	SR13	8/14/2019 19:15	29.26	75.4	5.76	5.6
SR13	8/14/2019 1:20	29.69	71.3	5.40	5.8	SR13	8/14/2019 7:20	28.96	70.7	5.36	6.9	SR13	8/14/2019 13:20	29.84	84.8	6.22	7.0	SR13	8/14/2019 19:20	29.20	78.9	6.02	6.2
SR13	8/14/2019 1:25	29.65	72.9	5.50	6.6	SR13	8/14/2019 7:25	28.99	73.6	5.58	5.9	SR13	8/14/2019 13:25	29.88	83.4	6.15	6.2	SR13	8/14/2019 19:25	29.20	76.9	5.87	5.9
SR13	8/14/2019 1:30	29.70	72.4	5.47	6.8	SR13	8/14/2019 7:30	28.94	71.0	5.38	5.4	SR13	8/14/2019 13:30	29.87	82.8	6.09	5.5	SR13	8/14/2019 19:30	29.15	75.6	5.76	6.0
SR13	8/14/2019 1:35	29.69	71.4	5.39	6.6	SR13	8/14/2019 7:35	28.91	72.0	5.43	5.9	SR13	8/14/2019 13:35	29.87	84.9	6.21	6.5	SR13	8/14/2019 19:35	29.11	75.5	5.76	6.7
SR13	8/14/2019 1:40	29.70	69.4	5.27	6.6	SR13	8/14/2019 7:40	28.92	72.1	5.46	6.3	SR13	8/14/2019 13:40	29.86	84.8	6.21	6.2	SR13	8/14/2019 19:40	29.12	78.8	6.02	6.8
SR13	8/14/2019 1:45	29.68	71.4	5.41	5.9	SR13	8/14/2019 7:45	28.98	74.7	5.66	6.5	SR13	8/14/2019 13:45	29.81	84.8	6.25	7.2	SR13	8/14/2019 19:45	29.09	77.8	5.93	6.3
SR13	8/14/2019 1:50	29.68	69.4	5.28	6.7	SR13	8/14/2019 7:50	28.96	75.7	5.72	5.8	SR13	8/14/2019 13:50	29.81	85.4	6.24	5.8	SR13	8/14/2019 19:50	29.07	78.8	6.01	6.3
SR13	8/14/2019 1:55	29.65	70.5	5.36	6.4	SR13	8/14/2019 7:55	28.95	73.5	5.56	6.3	SR13	8/14/2019 13:55	29.85	85.3	6.32	7.1	SR13	8/14/2019 19:55	29.07	80.0	6.12	7.6
SR13	8/14/2019 2:00	29.67	72.3	5.51	5.7	SR13	8/14/2019 8:00	28.89	72.9	5.50	5.7	SR13	8/14/2019 14:00	29.87	84.2	6.26	6.1	SR13	8/14/2019 20:00	29.09	78.0	5.96	6.0
SR13	8/14/2019 2:05	29.64	71.5	5.44	7.2	SR13	8/14/2019 8:05	28.97	73.1	5.53	6.2	SR13	8/14/2019 14:05	29.99	86.8	6.41	6.4	SR13	8/14/2019 20:05	29.04	77.7	5.95	6.0
SR13	8/14/2019 2:10	29.65	71.2	5.42	6.3	SR13	8/14/2019 8:10	29.03	72.7	5.49	6.5	SR13	8/14/2019 14:10	29.99	86.8	6.40	6.2	SR13	8/14/2019 20:10	29.05	75.2	5.76	5.5
SR13	8/14/2019 2:15	29.65	71.3	5.42	6.2	SR13	8/14/2019 8:15	28.94	73.1	5.54	6.0	SR13	8/14/2019 14:15	29.93	87.3	6.41	6.7	SR13	8/14/2019 20:15	29.09	76.6	5.86	5.5
SR13	8/14/2019 2:20	29.66	71.5	5.42	6.6	SR13	8/14/2019 8:20	28.99	74.9	5.67	5.5	SR13	8/14/2019 14:20	29.99	78.6	5.79	6.6	SR13	8/14/2019 20:20	29.08	78.3	5.99	5.6
SR13	8/14/2019 2:25	29.68	69.7	5.31	6.1	SR13	8/14/2019 8:25	28.99	74.5	5.62	6.4	SR13	8/14/2019 14:25	29.99	79.1	5.96	7.1	SR13	8/14/2019 20:25	29.08	79.3	6.08	6.0
SR13	8/14/2019 2:30	29.68	71.6	5.43	6.2	SR13	8/14/2019 8:30	28.98	74.1	5.62	6.7	SR13	8/14/2019 14:30	29.99	78.2	5.91	6.2	SR13	8/14/2019 20:30	29.09	77.9	5.96	5.5
SR13	8/14/2019 2:35	29.67	71.7	5.46	6.0	SR13	8/14/2019 8:35	28.94	74.3	5.63	7.2	SR13	8/14/2019 14:35	30.01	79.0	5.84	6.7	SR13	8/14/2019 20:35	29.03	78.5	6.00	5.4
SR13	8/14/2019 2:40	29.69	72.6	5.53	5.7	SR13	8/14/2019 8:40	28.96	72.8	5.52	6.3	SR13	8/14/2019 14:40	30.04	78.6	5.79	6.2	SR13	8/14/2019 20:40	29.14	80.6	6.17	5.9
SR13	8/14/2019 2:45	29.69	69.6	5.29	6.6	SR13	8/14/2019 8:45	29.01	74.5	5.64	6.1	SR13	8/14/2019 14:45	30.01	79.7	5.89	6.0	SR13	8/14/2019 20:45	29.03	77.8	5.96	5.3
SR13	8/14/2019 2:50	29.68	70.3	5.33	6.5	SR13	8/14/2019 8:50	29.00	72.0	5.45	6.7	SR13	8/14/2019 14:50	30.06	78.0	5.73	7.0	SR13	8/14/2019 20:50	29.08	76.9	5.89	4.6
SR13	8/14/2019 2:55	29.70	72.6	5.52	6.9	SR13	8/14/2019 8:55	28.97	73.8	5.57	6.1	SR13	8/14/2019 14:55	30.04	77.0	5.71	6.2	SR13	8/14/2019 20:55	29.08	78.9	6.03	5.8
SR13	8/14/2019 3:00	29.69	70.4	5.33	6.1	SR13	8/14/2019 9:00	28.91	73.2	5.53	6.2	SR13	8/14/2019 15:00	30.09	81.0	6.10	6.2	SR13	8/14/2019 21:00	29.08	79.9	6.12	5.1
SR13	8/14/2019 3:05	29.67	69.0	5.25	5.8	SR13	8/14/2019 9:05	29.06	73.9	5.56	6.6	SR13	8/14/2019 15:05	30.12	82.4	6.09	6.4	SR13	8/14/2019 21:05	29.12	80.9	6.19	5.1
SR13	8/14/2019 3:10	29.65	71.7	5.45	6.1	SR13	8/14/2019 9:10	29.03	74.7	5.62	6.0	SR13	8/14/2019 15:10	30.11	80.7	5.91	6.6	SR13	8/14/2019 21:10	29.10	77.3	5.91	6.5
SR13	8/14/2019 3:15	29.66	73.3	5.57	5.5	SR13	8/14/2019 9:15	29.06	74.4	5.61	5.5	SR13	8/14/2019 15:15	30.14	81.7	5.97	6.5	SR13	8/14/2019 21:15	29.13	76.9	5.89	6.5
SR13	8/14/2019 3:20	29.63	70.8	5.36	5.7	SR13	8/14/2019 9:20	29.02	75.4	5.69	6.1	SR13	8/14/2019 15:20	30.18	80.2	5.86	5.6	SR13	8/14/2019 21:20	29.16	76.6	5.86	6.0
SR13	8/14/2019 3:25	29.65	73.0	5.53	5.6	SR13	8/14/2019 9:25	28.95	75.7	5.69	6.9	SR13	8/14/2019 15:25	30.17	78.3	5.77	5.8	SR13	8/14/2019 21:25	29.19	77.3	5.91	6.1
SR13	8/14/2019 3:30	29.64	71.3	5.41	5.9	SR13	8/14/2019 9:30	29.02	72.4	5.49	6.5	SR13	8/14/2019 15:30	30.15	79.9	5.90	5.9	SR13	8/14/2019 21:30	29.16	77.1	5.90	5.8
SR13	8/14/2019 3:35	29.63	69.4	5.29	6.0	SR13	8/14/2019 9:35	29.08	75.3	5.69	6.1	SR13	8/14/2019 15:35	30.18	80.8	5.91	6.2	SR13	8/14/2019 21:35	29.17	79.4	6.08	5.5
SR13	8/14/2019 3:40	29.63	72.0	5.48	6.6	SR13	8/14/2019 9:40	29.26	74.6	5.62	5.7	SR13	8/14/2019 15:40	30.12	81.8	5.98	6.0	SR13	8/14/2019 21:40	29.17	76.6	5.87	6.0
SR13	8/14/2019 3:45	29.62	74.4	5.65	5.7	SR13	8/14/2019 9:45	29.17	73.8	5.59	6.3	SR13	8/14/2019 15:45	30.11	79.7	5.86	6.5	SR13	8/14/2019 21:45	29.17	76.1	5.82	5.3
SR13	8/14/2019 3:50	29.60	70.8	5.37	6.5	SR13	8/14/2019 9:50	29.30	75.6	5.73	6.7	SR13	8/14/2019 15:50	30.13									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/14/2019 0:17	0.15				SR12	8/14/2019 0:17	0.17			
SR4	8/14/2019 0:37	0.15				SR12	8/14/2019 0:37	0.17			
SR4	8/14/2019 0:57	0.13				SR12	8/14/2019 0:57	0.16			
SR4	8/14/2019 1:17	0.14				SR12	8/14/2019 1:17	0.17			
SR4	8/14/2019 1:37	0.15				SR12	8/14/2019 1:37	0.17			
SR4	8/14/2019 1:57	0.16				SR12	8/14/2019 1:57	0.18			
SR4	8/14/2019 2:17	0.17				SR12	8/14/2019 2:17	0.19			
SR4	8/14/2019 2:37	0.16				SR12	8/14/2019 2:37	0.19			
SR4	8/14/2019 2:57	0.16				SR12	8/14/2019 2:57	0.18			
SR4	8/14/2019 3:17	0.16				SR12	8/14/2019 3:17	0.20			
SR4	8/14/2019 3:37	0.16				SR12	8/14/2019 3:37	0.19			
SR4	8/14/2019 3:57	0.17				SR12	8/14/2019 3:57	0.19			
SR4	8/14/2019 4:17	0.17				SR12	8/14/2019 4:17	0.18			
SR4	8/14/2019 4:37	0.16				SR12	8/14/2019 4:37	0.19			
SR4	8/14/2019 4:57	0.17				SR12	8/14/2019 4:57	0.18			
SR4	8/14/2019 5:17	0.16				SR12	8/14/2019 5:17	0.20			
SR4	8/14/2019 5:37	0.16				SR12	8/14/2019 5:37	0.20			
SR4	8/14/2019 5:57	0.15				SR12	8/14/2019 5:57	0.18			
SR4						SR12					
SR4	8/14/2019 6:37	0.16				SR12	8/14/2019 6:37	0.18			
SR4	8/14/2019 6:57	0.17				SR12	8/14/2019 6:57	0.19			
SR4	8/14/2019 7:17	0.17				SR12	8/14/2019 7:17	0.20			
SR4	8/14/2019 7:37	0.15				SR12	8/14/2019 7:37	0.20			
SR4	8/14/2019 7:57	0.16				SR12	8/14/2019 7:57	0.19			
SR4	8/14/2019 8:17	0.16				SR12	8/14/2019 8:17	0.18			
SR4	8/14/2019 8:37	0.17				SR12	8/14/2019 8:37	0.20			
SR4	8/14/2019 8:57	0.16				SR12	8/14/2019 8:57	0.19			
SR4	8/14/2019 9:17	0.16				SR12	8/14/2019 9:17	0.20			
SR4	8/14/2019 9:37	0.17				SR12	8/14/2019 9:37	0.19			
SR4	8/14/2019 9:57	0.15				SR12	8/14/2019 9:57	0.18			
SR4	8/14/2019 10:17	0.13				SR12	8/14/2019 10:17	0.19			
SR4	8/14/2019 10:37	0.15				SR12	8/14/2019 10:37	0.20			
SR4	8/14/2019 10:57	0.13				SR12	8/14/2019 10:57	0.21			
SR4	8/14/2019 11:17	0.16				SR12	8/14/2019 11:17	0.20			
SR4	8/14/2019 11:37	0.14				SR12	8/14/2019 11:37	0.19			
SR4	8/14/2019 11:57	0.14				SR12	8/14/2019 11:57	0.21			
SR4	8/14/2019 12:17	0.14				SR12	8/14/2019 12:17	0.19			
SR4	8/14/2019 12:37	0.14				SR12	8/14/2019 12:37	0.21			
SR4	8/14/2019 12:57	0.16				SR12	8/14/2019 12:57	0.21			
SR4	8/14/2019 13:17	0.15				SR12	8/14/2019 13:17	0.20			
SR4	8/14/2019 13:37	0.14				SR12	8/14/2019 13:37	0.21			
SR4	8/14/2019 13:57	0.14				SR12	8/14/2019 13:57	0.20			
SR4	8/14/2019 14:17	0.14				SR12	8/14/2019 14:17	0.21			
SR4	8/14/2019 14:37	0.16				SR12	8/14/2019 14:37	0.21			
SR4	8/14/2019 14:57	0.13				SR12	8/14/2019 14:57	0.21			
SR4	8/14/2019 15:17	0.13				SR12	8/14/2019 15:17	0.19			
SR4	8/14/2019 15:37	0.13				SR12	8/14/2019 15:37	0.19			
SR4	8/14/2019 15:57	0.13				SR12	8/14/2019 15:57	0.19			
SR4	8/14/2019 16:17	0.16				SR12	8/14/2019 16:17	0.21			
SR4	8/14/2019 16:37	0.15				SR12	8/14/2019 16:37	0.21			
SR4	8/14/2019 16:57	0.16				SR12	8/14/2019 16:57	0.19			
SR4	8/14/2019 17:17	0.14				SR12	8/14/2019 17:17	0.19			
SR4	8/14/2019 17:37	0.13				SR12	8/14/2019 17:37	0.21			
SR4	8/14/2019 17:57	0.16				SR12	8/14/2019 17:57	0.19			
SR4	8/14/2019 18:17	0.14				SR12	8/14/2019 18:17	0.19			
SR4	8/14/2019 18:37	0.13				SR12	8/14/2019 18:37	0.19			
SR4	8/14/2019 18:57	0.14				SR12	8/14/2019 18:57	0.20			
SR4	8/14/2019 19:17	0.13				SR12	8/14/2019 19:17	0.20			
SR4	8/14/2019 19:37	0.14				SR12	8/14/2019 19:37	0.20			
SR4	8/14/2019 19:57	0.14				SR12	8/14/2019 19:57	0.19			
SR4	8/14/2019 20:17	0.15				SR12	8/14/2019 20:17	0.18			
SR4	8/14/2019 20:37	0.15				SR12	8/14/2019 20:37	0.19			
SR4	8/14/2019 20:57	0.15				SR12	8/14/2019 20:57	0.17			
SR4	8/14/2019 21:17	0.14				SR12	8/14/2019 21:17	0.19			
SR4	8/14/2019 21:37	0.13				SR12	8/14/2019 21:37	0.18			
SR4	8/14/2019 21:57	0.15				SR12	8/14/2019 21:57	0.18			
SR4	8/14/2019 22:17	0.15				SR12	8/14/2019 22:17	0.19			
SR4	8/14/2019 22:37	0.15				SR12	8/14/2019 22:37	0.19			
SR4	8/14/2019 22:57	0.13				SR12	8/14/2019 22:57	0.17			
SR4	8/14/2019 23:17	0.13				SR12	8/14/2019 23:17	0.17			
SR4	8/14/2019 23:37	0.15				SR12	8/14/2019 23:37	0.18			
SR4	8/14/2019 23:57	0.14				SR12	8/14/2019 23:57	0.17			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/15/2019 0:01	29.47	31.7	4.94	6.3	SR4	8/15/2019 6:01	28.92	60.1	4.02	5.7	SR4	8/15/2019 12:01	29.19	69.9	4.64	5.3	SR4	8/15/2019 18:01	27.39	97.5	7.67	8.4
SR4	8/15/2019 0:06	29.57	54.7	4.12	6.7	SR4	8/15/2019 6:06	28.88	64.2	4.32	5.7	SR4	8/15/2019 12:06	28.72	65.2	4.35	5.3	SR4	8/15/2019 18:06	27.34	97.6	7.69	8.3
SR4	8/15/2019 0:11	29.60	62.7	4.21	7.0	SR4	8/15/2019 6:11	28.87	61.1	4.11	5.9	SR4	8/15/2019 12:11	28.85	64.6	4.30	5.5	SR4	8/15/2019 18:11	27.58	97.7	7.66	8.8
SR4	8/15/2019 0:16	29.64	57.4	3.86	6.9	SR4	8/15/2019 6:16	28.88	64.5	4.33	6.0	SR4	8/15/2019 12:16	28.70	65.0	4.32	5.6	SR4	8/15/2019 18:16	27.07	97.8	7.74	8.5
SR4	8/15/2019 0:21	29.61	56.8	3.80	7.1	SR4	8/15/2019 6:21	28.90	57.9	3.89	6.0	SR4	8/15/2019 12:21	28.83	64.5	4.29	5.4	SR4	8/15/2019 18:21	27.01	97.8	7.75	8.3
SR4	8/15/2019 0:26	29.65	63.8	4.27	7.1	SR4	8/15/2019 6:26	28.90	59.5	3.99	5.9	SR4	8/15/2019 12:26	28.85	66.2	4.40	5.3	SR4	8/15/2019 18:26	27.45	97.0	7.62	8.4
SR4	8/15/2019 0:31	29.60	56.5	3.79	6.7	SR4	8/15/2019 6:31	28.90	61.6	4.13	6.1	SR4	8/15/2019 12:31	29.02	66.9	4.43	5.7	SR4	8/15/2019 18:31	28.17	96.8	7.50	6.5
SR4	8/15/2019 0:36	29.59	48.5	4.36	7.1	SR4	8/15/2019 6:36	28.90	57.2	3.83	5.9	SR4	8/15/2019 12:36	28.80	62.6	4.15	5.7	SR4	8/15/2019 18:36	27.94	93.2	7.26	9.9
SR4	8/15/2019 0:41	29.59	44.8	4.34	7.1	SR4	8/15/2019 6:41	28.76	57.3	3.84	6.0	SR4	8/15/2019 12:41	28.92	61.6	4.08	5.7	SR4	8/15/2019 18:41	28.36	84.0	6.49	7.9
SR4	8/15/2019 0:46	29.58	49.4	4.84	7.1	SR4	8/15/2019 6:46	28.66	60.2	4.04	6.2	SR4	8/15/2019 12:46	28.73	62.6	4.15	5.8	SR4	8/15/2019 18:46	29.43	83.7	6.07	7.9
SR4	8/15/2019 0:51	29.49	58.1	3.90	7.1	SR4	8/15/2019 6:51	28.62	58.7	3.92	6.1	SR4	8/15/2019 12:51	28.85	64.4	4.21	5.5	SR4	8/15/2019 18:51	29.40	79.8	5.79	9.7
SR4	8/15/2019 0:56	29.52	43.4	4.87	7.0	SR4	8/15/2019 6:56	28.33	51.5	4.52	6.1	SR4	8/15/2019 12:56	29.08	66.0	4.24	5.7	SR4	8/15/2019 18:56	29.44	76.7	5.74	8.9
SR4	8/15/2019 1:01	29.46	43.0	4.20	7.1	SR4	8/15/2019 7:01	28.43	54.1	4.60	6.1	SR4	8/15/2019 13:01	29.19	62.2	4.12	5.8	SR4	8/15/2019 19:01	29.42	73.9	4.95	9.1
SR4	8/15/2019 1:06	29.40	31.8	4.36	7.2	SR4	8/15/2019 7:06	28.65	60.0	4.01	6.2	SR4	8/15/2019 13:06	29.40	53.8	4.14	5.3	SR4	8/15/2019 19:06	29.43	72.3	4.84	8.9
SR4	8/15/2019 1:11	29.39	31.1	4.35	7.0	SR4	8/15/2019 7:11	28.61	55.8	4.16	6.0	SR4	8/15/2019 13:11	29.17	64.7	4.28	5.4	SR4	8/15/2019 19:11	29.20	71.4	4.77	9.9
SR4	8/15/2019 1:16	29.52	50.1	4.15	7.2	SR4	8/15/2019 7:16	27.97	49.8	4.43	6.3	SR4	8/15/2019 13:16	28.96	69.7	4.62	5.5	SR4	8/15/2019 19:16	29.34	62.5	4.19	9.2
SR4	8/15/2019 1:21	29.36	53.0	4.59	7.2	SR4	8/15/2019 7:21	28.29	55.1	4.50	6.1	SR4	8/15/2019 13:21	29.10	65.4	4.33	5.6	SR4	8/15/2019 19:21	29.31	63.9	4.28	9.2
SR4	8/15/2019 1:26	29.37	34.2	4.61	7.1	SR4	8/15/2019 7:26	28.41	57.8	3.86	6.2	SR4	8/15/2019 13:26	29.11	66.2	4.38	5.5	SR4	8/15/2019 19:26	29.31	65.4	4.38	9.3
SR4	8/15/2019 1:31	29.30	46.7	4.95	7.2	SR4	8/15/2019 7:31	28.63	58.4	3.90	6.2	SR4	8/15/2019 13:31	29.02	62.7	4.16	5.5	SR4	8/15/2019 19:31	29.32	66.4	4.45	9.3
SR4	8/15/2019 1:36	29.33	21.1	4.96	7.2	SR4	8/15/2019 7:36	28.50	57.2	3.83	6.0	SR4	8/15/2019 13:36	28.98	66.9	4.43	5.6	SR4	8/15/2019 19:36	29.30	63.6	4.26	9.4
SR4	8/15/2019 1:41	29.40	23.9	4.59	7.2	SR4	8/15/2019 7:41	28.64	56.0	4.67	5.9	SR4	8/15/2019 13:41	29.05	65.7	4.35	5.6	SR4	8/15/2019 19:41	29.28	68.2	4.57	9.4
SR4	8/15/2019 1:46	29.38	27.6	4.19	7.2	SR4	8/15/2019 7:46	28.69	55.3	4.84	7.3	SR4	8/15/2019 13:46	29.08	65.6	4.34	5.5	SR4	8/15/2019 19:46	29.27	68.2	4.57	9.6
SR4	8/15/2019 1:51	29.38	8.3	4.33	7.1	SR4	8/15/2019 7:51	28.44	53.4	4.82	6.1	SR4	8/15/2019 13:51	29.04	68.6	4.54	5.6	SR4	8/15/2019 19:51	29.26	69.3	4.64	9.4
SR4	8/15/2019 1:56	29.33	7.5	4.23	7.6	SR4	8/15/2019 7:56	28.67	55.4	4.26	6.0	SR4	8/15/2019 13:56	29.12	66.8	4.42	5.6	SR4	8/15/2019 19:56	29.24	68.7	4.61	9.4
SR4	8/15/2019 2:01	29.36	9.6	4.17	7.4	SR4	8/15/2019 8:01	28.68	56.3	4.43	6.1	SR4	8/15/2019 14:01	29.11	63.7	4.22	5.6	SR4	8/15/2019 20:01	29.29	71.0	4.76	9.1
SR4	8/15/2019 2:06	29.43	27.8	4.46	7.8	SR4	8/15/2019 8:06	28.76	57.9	3.87	6.1	SR4	8/15/2019 14:06	29.40	62.7	4.14	5.5	SR4	8/15/2019 20:06	29.30	70.6	4.73	9.7
SR4	8/15/2019 2:11	29.44	24.0	4.22	7.6	SR4	8/15/2019 8:11	28.79	58.6	3.91	6.0	SR4	8/15/2019 14:11	29.19	61.9	4.10	5.6	SR4	8/15/2019 20:11	29.30	67.4	4.52	9.5
SR4	8/15/2019 2:16	29.43	33.7	4.78	7.4	SR4	8/15/2019 8:16	28.82	58.2	3.89	6.1	SR4	8/15/2019 14:16	29.17	66.7	4.41	5.5	SR4	8/15/2019 20:16	29.26	62.1	4.16	9.3
SR4	8/15/2019 2:21	29.38	19.2	4.44	7.5	SR4	8/15/2019 8:21	28.85	62.7	4.19	6.0	SR4	8/15/2019 14:21	29.27	62.0	4.11	5.5	SR4	8/15/2019 20:21	29.29	63.3	4.24	9.3
SR4	8/15/2019 2:26	29.41	35.4	4.51	7.5	SR4	8/15/2019 8:26	28.84	63.0	4.21	6.0	SR4	8/15/2019 14:26	29.21	64.6	4.54	5.6	SR4	8/15/2019 20:26	29.21	59.0	3.95	9.3
SR4	8/15/2019 2:31	29.18	14.5	4.71	7.6	SR4	8/15/2019 8:31	28.81	61.9	4.14	6.2	SR4	8/15/2019 14:31	29.22	66.5	5.04	5.2	SR4	8/15/2019 20:31	29.20	61.0	4.08	9.4
SR4	8/15/2019 2:36	29.15	18.5	4.21	7.5	SR4	8/15/2019 8:36	28.78	57.3	3.83	6.1	SR4	8/15/2019 14:36	29.22	77.7	5.90	5.3	SR4	8/15/2019 20:36	29.13	58.8	3.93	9.3
SR4	8/15/2019 2:41	29.18	14.4	4.28	8.0	SR4	8/15/2019 8:41	28.88	64.8	4.33	6.2	SR4	8/15/2019 14:41	29.13	85.7	6.43	9.2	SR4	8/15/2019 20:41	29.14	60.2	4.03	9.5
SR4	8/15/2019 2:46	29.31	28.0	4.59	7.8	SR4	8/15/2019 8:46	28.91	64.9	4.34	6.1	SR4	8/15/2019 14:46	29.16	87.7	6.66	6.9	SR4	8/15/2019 20:46	29.21	58.1	3.90	9.5
SR4	8/15/2019 2:51	29.30	23.3	4.51	7.7	SR4	8/15/2019 8:51	28.82	63.0	4.21	5.6	SR4	8/15/2019 14:51	28.85	97.3	7.45	9.1	SR4	8/15/2019 20:51	29.16	62.4	4.18	9.6
SR4	8/15/2019 2:56	29.21	7.0	4.15	8.1	SR4	8/15/2019 8:56	28.80	62.3	4.17	5.6	SR4	8/15/2019 14:56	28.94	97.3	7.44	9.3	SR4	8/15/2019 20:56	29.17	66.0	4.42	9.9
SR4	8/15/2019 3:01	29.33	22.6	4.21	8.1	SR4	8/15/2019 9:01	28.89	63.1	4.21	5.6	SR4	8/15/2019 15:01	28.95	96.6	7.39	9.0	SR4	8/15/2019 21:01	29.19	67.7	4.54	5.5
SR4	8/15/2019 3:06	29.29	6.7	4.24	8.0	SR4	8/15/2019 9:06	28.91	64.6	4.31	5.6	SR4	8/15/2019 15:06	29.00	97.7	7.47	9.1	SR4	8/15/2019 21:06	29.17	70.8	4.75	9.9
SR4	8/15/2019 3:11	29.36	32.3	4.81	8.9	SR4	8/15/2019 9:11	28.76	62.6	4.19	5.6	SR4	8/15/2019 15:11	28.76	97.5	7.48	9.1	SR4	8/15/2019 21:11	29.21	69.0	4.62	8.2
SR4	8/15/2019 3:16	29.35	46.9	4.57	9.1	SR4	8/15/2019 9:16	28.68	62.7	4.20	5.7	SR4	8/15/2019 15:16	28.58	97.4	7.50	8.8	SR4	8/15/2019 21:16	29.30	70.0	4.69	5.1
SR4	8/15/2019 3:21	29.32	58.8	3.95	8.3	SR4	8/15/2019 9:21	28.88	66.5	4.44	5.7	SR4	8/15/2019 15:21	28.54	97.5	7.52	8.8	SR4	8/15/2019 21:21	29.32	67.4	4.51	6.0
SR4	8/15/2019 3:26	29.26	62.9	4.21	8.6	SR4	8/15/2019 9:26	28.87	65.6	4.38	5.8	SR4	8/15/2019 15:26	28.60	97.5	7.49	9.5	SR4	8/15/2019 21:26	29.31	69.8	4.67	5.6
SR4	8/15/2019 3:31	29.22	61.5	4.12	8.3	SR4	8/15/2019 9:31	28.83	65.9	4.40	5.8	SR4	8/15/2019 15:31	28.55	97.6	7.50	9.2	SR4	8/15/2019 21:31	29.40	71.8	4.81	5.2
SR4	8/15/2019 3:36	29.28	44.5	4.49	8.1	SR4	8/15/2019 9:36	28.95	67.1	4.48	5.7	SR4	8/15/2019 15:36	28.73	97.5	7.48	8.8	SR4	8/15/2019 21:36	29.36	71.6	4.80	5.1
SR4	8/15/2019 3:41	29.28	42.0	4.38	8.1	SR4	8/15/2019 9:41	28.89	67.3	4.49	6.2	SR4	8/15/2019 15:41	28.59	97.2	7.48	8.7	SR4	8/15/2019 21:41	29.38	69.3	4.64	5.1
SR4	8/15/2019 3:46	29.29	48.6	4.66	8.2	SR4	8/15/2019 9:46	28.91	65.5	4.37	5.8	SR4	8/15/2019 15:46	28.65	97.4	7.49	8.6	SR4	8/15/2019 21:46	29.35	70.8	4.75	5.1
SR4	8/15/2019 3:51	29.25	35.9	4.21	8.2	SR4	8/15/2019 9:51	28.95	66.7	4.45	5.9	SR4	8/15/2019 15:51	28.80	97.4	7.47	8.6	SR4	8/15/2019 21:51	29.26	72.2	4.85	5.2
SR4	8/15/2019 3:56	29.27	40.1	4.65	7.8	SR4	8/15/2019 9:56	28.99															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/15/2019 0:00	28.97	86.9	6.83	2.9	SR5	8/15/2019 6:00	29.89	86.2	6.54	6.8	SR5	8/15/2019 12:00	29.90	86.6	6.55	4.8	SR5	8/15/2019 18:00	30.15	95.7	7.31	4.1
SR5	8/15/2019 0:05	28.97	87.0	6.82	3.6	SR5	8/15/2019 6:05	29.87	85.7	6.49	5.5	SR5	8/15/2019 12:05	29.77	85.7	6.47	4.4	SR5	8/15/2019 18:05	30.15	92.1	6.99	4.2
SR5	8/15/2019 0:10	29.09	86.7	6.79	4.6	SR5	8/15/2019 6:10	29.74	89.6	6.90	6.1	SR5	8/15/2019 12:10	29.74	86.1	6.53	2.4	SR5	8/15/2019 18:10	30.15	95.6	7.34	6.9
SR5	8/15/2019 0:15	29.07	89.1	6.87	3.3	SR5	8/15/2019 6:15	29.74	88.7	6.78	6.7	SR5	8/15/2019 12:15	29.73	86.6	6.58	3.3	SR5	8/15/2019 18:15	30.10	94.8	7.23	3.5
SR5	8/15/2019 0:20	29.05	89.0	6.87	3.6	SR5	8/15/2019 6:20	29.61	86.1	6.55	6.2	SR5	8/15/2019 12:20	29.87	86.8	6.59	3.6	SR5	8/15/2019 18:20	30.12	94.9	7.23	5.6
SR5	8/15/2019 0:25	29.00	88.1	6.78	3.8	SR5	8/15/2019 6:25	29.70	88.3	6.75	5.3	SR5	8/15/2019 12:25	30.02	85.6	6.45	4.7	SR5	8/15/2019 18:25	30.09	97.1	7.48	4.4
SR5	8/15/2019 0:30	29.04	86.5	6.63	3.1	SR5	8/15/2019 6:30	29.58	86.7	6.62	5.8	SR5	8/15/2019 12:30	30.05	87.5	6.66	3.9	SR5	8/15/2019 18:30	30.11	91.3	6.92	6.2
SR5	8/15/2019 0:35	29.03	88.8	6.85	3.9	SR5	8/15/2019 6:35	29.43	84.7	6.42	6.8	SR5	8/15/2019 12:35	29.96	86.0	6.49	2.7	SR5	8/15/2019 18:35	30.08	92.7	7.05	3.6
SR5	8/15/2019 0:40	29.19	87.1	6.68	3.3	SR5	8/15/2019 6:40	29.32	85.1	6.47	5.6	SR5	8/15/2019 12:40	29.92	83.8	6.31	3.7	SR5	8/15/2019 18:40	30.10	94.7	7.25	5.5
SR5	8/15/2019 0:45	29.28	85.6	6.55	3.0	SR5	8/15/2019 6:45	28.72	87.2	6.63	6.2	SR5	8/15/2019 12:45	30.00	85.4	6.45	5.3	SR5	8/15/2019 18:45	30.09	97.9	7.51	4.8
SR5	8/15/2019 0:50	29.29	84.8	6.46	4.3	SR5	8/15/2019 6:50	28.58	87.9	6.72	5.6	SR5	8/15/2019 12:50	29.97	84.6	6.36	3.7	SR5	8/15/2019 18:50	30.09	96.7	7.45	7.0
SR5	8/15/2019 0:55	29.31	84.4	6.41	3.2	SR5	8/15/2019 6:55	28.64	89.3	6.88	6.5	SR5	8/15/2019 12:55	29.95	84.9	6.39	3.8	SR5	8/15/2019 18:55	30.08	94.2	7.23	5.5
SR5	8/15/2019 1:00	29.41	86.6	6.62	4.2	SR5	8/15/2019 7:00	28.53	89.6	6.90	6.5	SR5	8/15/2019 13:00	29.94	86.5	6.54	6.2	SR5	8/15/2019 19:00	30.08	93.5	7.14	4.4
SR5	8/15/2019 1:05	29.36	84.7	6.42	3.9	SR5	8/15/2019 7:05	28.54	87.6	6.69	5.4	SR5	8/15/2019 13:05	29.97	88.4	6.72	4.7	SR5	8/15/2019 19:05	30.09	95.9	7.32	7.2
SR5	8/15/2019 1:10	29.48	89.1	6.86	3.2	SR5	8/15/2019 7:10	28.54	89.8	6.90	6.3	SR5	8/15/2019 13:10	29.99	88.8	6.74	5.0	SR5	8/15/2019 19:10	30.09	94.5	7.25	6.1
SR5	8/15/2019 1:15	29.52	89.5	6.87	3.3	SR5	8/15/2019 7:15	28.51	89.6	6.90	6.6	SR5	8/15/2019 13:15	29.97	90.1	6.88	4.7	SR5	8/15/2019 19:15	30.09	92.8	7.05	4.7
SR5	8/15/2019 1:20	29.55	84.9	6.44	5.0	SR5	8/15/2019 7:20	28.47	85.7	6.50	5.3	SR5	8/15/2019 13:20	29.96	88.2	6.68	4.6	SR5	8/15/2019 19:20	30.09	96.5	7.44	3.6
SR5	8/15/2019 1:25	29.66	86.8	6.61	3.1	SR5	8/15/2019 7:25	28.47	86.1	6.56	6.0	SR5	8/15/2019 13:25	29.97	87.4	6.62	6.3	SR5	8/15/2019 19:25	30.09	94.3	7.19	4.6
SR5	8/15/2019 1:30	29.61	89.0	6.84	2.9	SR5	8/15/2019 7:30	28.49	89.5	6.86	6.6	SR5	8/15/2019 13:30	30.00	87.6	6.62	4.1	SR5	8/15/2019 19:30	30.05	96.0	7.36	3.2
SR5	8/15/2019 1:35	29.63	86.1	6.53	3.2	SR5	8/15/2019 7:35	28.50	87.7	6.70	4.6	SR5	8/15/2019 13:35	30.01	88.6	6.74	5.2	SR5	8/15/2019 19:35	30.05	94.5	7.20	4.8
SR5	8/15/2019 1:40	29.69	87.9	6.71	4.0	SR5	8/15/2019 7:40	28.30	90.4	6.95	5.3	SR5	8/15/2019 13:40	30.02	86.8	6.55	4.3	SR5	8/15/2019 19:40	30.03	92.9	7.08	4.5
SR5	8/15/2019 1:45	29.79	86.6	6.59	3.5	SR5	8/15/2019 7:45	28.35	87.1	6.63	4.9	SR5	8/15/2019 13:45	30.02	88.5	6.74	5.0	SR5	8/15/2019 19:45	29.87	96.2	7.36	6.1
SR5	8/15/2019 1:50	29.74	86.2	6.55	4.5	SR5	8/15/2019 7:50	28.40	90.9	6.98	4.8	SR5	8/15/2019 13:50	30.02	88.1	6.70	4.6	SR5	8/15/2019 19:50	29.83	96.0	7.33	3.9
SR5	8/15/2019 1:55	29.73	87.9	6.73	4.3	SR5	8/15/2019 7:55	28.40	88.3	6.75	5.6	SR5	8/15/2019 13:55	30.02	90.4	6.93	3.8	SR5	8/15/2019 19:55	29.89	94.7	7.24	5.7
SR5	8/15/2019 2:00	29.83	86.3	6.59	4.0	SR5	8/15/2019 8:00	28.21	90.9	7.00	4.9	SR5	8/15/2019 14:00	29.98	88.2	6.70	3.9	SR5	8/15/2019 20:00	29.27	95.4	7.30	3.9
SR5	8/15/2019 2:05	29.74	85.7	6.52	4.1	SR5	8/15/2019 8:05	28.29	88.3	6.74	4.5	SR5	8/15/2019 14:05	30.03	91.0	6.97	3.8	SR5	8/15/2019 20:05	29.57	94.0	7.19	5.6
SR5	8/15/2019 2:10	29.75	87.5	6.69	3.5	SR5	8/15/2019 8:10	28.21	89.3	6.81	4.6	SR5	8/15/2019 14:10	30.05	91.8	7.02	3.7	SR5	8/15/2019 20:10	28.64	95.5	7.34	3.8
SR5	8/15/2019 2:15	29.81	88.2	6.77	5.2	SR5	8/15/2019 8:15	28.17	86.9	6.59	4.9	SR5	8/15/2019 14:15	29.93	88.5	6.73	5.4	SR5	8/15/2019 20:15	29.03	94.4	7.23	2.9
SR5	8/15/2019 2:20	29.91	86.9	6.61	3.7	SR5	8/15/2019 8:20	28.24	91.4	7.03	4.7	SR5	8/15/2019 14:20	29.94	88.2	6.69	4.8	SR5	8/15/2019 20:20	28.62	90.8	6.88	6.6
SR5	8/15/2019 2:25	29.98	86.4	6.57	4.1	SR5	8/15/2019 8:25	28.15	88.1	6.73	4.4	SR5	8/15/2019 14:25	29.94	89.2	6.78	5.2	SR5	8/15/2019 20:25	28.62	93.5	7.12	5.5
SR5	8/15/2019 2:30	29.91	87.0	6.64	4.9	SR5	8/15/2019 8:30	28.13	88.1	6.72	4.1	SR5	8/15/2019 14:30	29.91	90.8	6.93	5.7	SR5	8/15/2019 20:30	28.55	96.0	7.38	5.2
SR5	8/15/2019 2:35	29.88	87.2	6.66	4.7	SR5	8/15/2019 8:35	28.14	89.8	6.90	4.2	SR5	8/15/2019 14:35	29.96	90.9	6.97	3.6	SR5	8/15/2019 20:35	28.51	94.7	7.22	4.7
SR5	8/15/2019 2:40	29.89	88.6	6.81	4.0	SR5	8/15/2019 8:40	28.11	90.3	6.91	4.4	SR5	8/15/2019 14:40	30.00	90.5	6.90	3.8	SR5	8/15/2019 20:40	28.50	93.3	7.13	4.8
SR5	8/15/2019 2:45	29.89	85.3	6.47	3.2	SR5	8/15/2019 8:45	28.07	90.7	6.96	3.1	SR5	8/15/2019 14:45	30.04	87.1	6.57	5.7	SR5	8/15/2019 20:45	28.49	92.9	7.06	3.5
SR5	8/15/2019 2:50	29.90	87.3	6.65	4.4	SR5	8/15/2019 8:50	28.05	89.9	6.90	3.8	SR5	8/15/2019 14:50	30.01	88.3	6.70	3.5	SR5	8/15/2019 20:50	28.47	96.3	7.43	4.7
SR5	8/15/2019 2:55	29.90	87.0	6.62	3.9	SR5	8/15/2019 8:55	27.99	88.1	6.72	4.1	SR5	8/15/2019 14:55	30.01	87.4	6.62	3.8	SR5	8/15/2019 20:55	28.47	92.9	7.10	5.0
SR5	8/15/2019 3:00	29.90	88.8	6.83	3.7	SR5	8/15/2019 9:00	27.99	89.3	6.82	4.2	SR5	8/15/2019 15:00	30.00	88.9	6.75	5.2	SR5	8/15/2019 21:00	28.43	97.0	7.48	3.7
SR5	8/15/2019 3:05	29.90	88.4	6.78	4.6	SR5	8/15/2019 9:05	28.04	87.1	6.61	5.4	SR5	8/15/2019 15:05	29.98	87.2	6.61	5.0	SR5	8/15/2019 21:05	28.44	94.1	7.18	5.2
SR5	8/15/2019 3:10	29.90	88.1	6.75	3.4	SR5						SR5	8/15/2019 15:10	30.04	91.3	6.97	5.2	SR5	8/15/2019 21:10	28.41	91.6	6.95	6.4
SR5	8/15/2019 3:15	29.89	87.0	6.64	3.8	SR5						SR5	8/15/2019 15:15	30.14	88.5	6.71	5.3	SR5	8/15/2019 21:15	28.35	94.0	7.21	3.1
SR5	8/15/2019 3:20	29.89	86.9	6.62	4.4	SR5						SR5	8/15/2019 15:20	30.22	92.4	7.09	3.8	SR5	8/15/2019 21:20	28.27	93.5	7.13	5.3
SR5	8/15/2019 3:25	29.88	88.6	6.77	4.1	SR5						SR5	8/15/2019 15:25	30.24	89.4	6.81	5.4	SR5	8/15/2019 21:25	28.36	94.9	7.23	5.8
SR5	8/15/2019 3:30	29.89	84.2	6.35	4.3	SR5	8/15/2019 9:30	28.88	88.6	6.76	3.3	SR5	8/15/2019 15:30	30.22	90.1	6.86	5.1	SR5	8/15/2019 21:30	28.35	92.9	7.07	3.5
SR5	8/15/2019 3:35	29.90	86.8	6.61	3.4	SR5	8/15/2019 9:35	28.83	88.0	6.71	4.2	SR5	8/15/2019 15:35	30.24	93.6	7.16	3.9	SR5	8/15/2019 21:35	28.27	93.1	7.04	5.2
SR5	8/15/2019 3:40	29.92	86.2	6.57	4.6	SR5	8/15/2019 9:40	28.95	90.2	6.90	3.1	SR5	8/15/2019 15:40	30.22	89.4	6.75	5.6	SR5	8/15/2019 21:40	28.22	91.5	6.97	4.6
SR5	8/15/2019 3:45	29.92	84.4	6.39	5.1	SR5	8/15/2019 9:45	28.97	89.3	6.84	5.8	SR5	8/15/2019 15:45	30.23	92.0	6.93	6.7	SR5	8/15/2019 21:45	28.25	95.7	7.31	4.7
SR5	8/15/2019 3:50	29.90	84.6	6.38	4.0	SR5	8/15/2019 9:50	28.97	88.0	6.70	5.0	SR5	8/15/2019 15:50	30.22	91.8	6.94	4.2	SR5	8/15/2019 21:50	28.22	92.4	6.97	5.3
SR5	8/15/2019 3:55	29.93	83.2	6.27	4.0	SR5	8/15/2019 9:55	28.89	89.0	6.78	5.2	SR5	8/15/2019 15:55	30.22	94.1	7.18	4.7	SR5	8/15/2019 21:55	28.16	91.0		

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/15/2019 0:01	29.24	61.5	4.60	7.3	SR12	8/15/2019 6:01	28.31	65.5	4.90	5.5	SR12	8/15/2019 12:01	28.70	67.6	5.06	7.9	SR12	8/15/2019 18:01	29.20	66.3	4.96	7.5
SR12	8/15/2019 0:06	29.27	66.0	4.94	6.7	SR12	8/15/2019 6:06	28.21	62.4	4.67	6.9	SR12	8/15/2019 12:06	28.78	67.9	5.08	6.3	SR12	8/15/2019 18:06	29.20	62.9	4.71	6.1
SR12	8/15/2019 0:11	29.10	68.4	5.12	6.9	SR12	8/15/2019 6:11	28.20	67.1	5.02	6.2	SR12	8/15/2019 12:11	28.69	67.3	5.04	7.7	SR12	8/15/2019 18:11	29.20	61.3	4.59	6.4
SR12	8/15/2019 0:16	29.28	66.4	4.97	5.5	SR12	8/15/2019 6:16	28.17	65.1	4.87	6.8	SR12	8/15/2019 12:16	28.48	66.5	4.98	6.5	SR12	8/15/2019 18:16	29.20	64.5	4.83	6.2
SR12	8/15/2019 0:21	29.28	65.2	4.88	6.4	SR12	8/15/2019 6:21	28.16	66.0	4.94	8.4	SR12	8/15/2019 12:21	28.27	66.1	4.95	8.1	SR12	8/15/2019 18:21	29.20	63.5	4.75	6.7
SR12	8/15/2019 0:26	29.24	67.9	5.08	6.4	SR12	8/15/2019 6:26	28.10	65.9	4.93	6.4	SR12	8/15/2019 12:26	28.56	68.8	5.15	7.3	SR12	8/15/2019 18:26	29.19	69.3	5.19	8.0
SR12	8/15/2019 0:31	29.14	66.1	4.95	5.3	SR12	8/15/2019 6:31	28.10	69.1	5.17	7.1	SR12	8/15/2019 12:31	28.65	68.7	5.14	7.3	SR12	8/15/2019 18:31	29.18	62.0	4.64	6.8
SR12	8/15/2019 0:36	29.14	62.0	4.64	7.7	SR12	8/15/2019 6:36	28.11	68.0	5.09	6.3	SR12	8/15/2019 12:36	28.45	68.0	5.09	7.3	SR12	8/15/2019 18:36	29.19	67.6	5.06	7.4
SR12	8/15/2019 0:41	29.21	64.5	4.83	6.7	SR12	8/15/2019 6:41	28.10	64.1	4.80	6.7	SR12	8/15/2019 12:41	28.39	69.1	5.17	7.1	SR12	8/15/2019 18:41	29.18	63.5	4.75	7.7
SR12	8/15/2019 0:46	29.21	63.1	4.72	6.5	SR12	8/15/2019 6:46	28.08	61.6	4.61	6.5	SR12	8/15/2019 12:46	28.39	61.7	4.62	6.5	SR12	8/15/2019 18:46	29.17	67.5	5.05	6.9
SR12	8/15/2019 0:51	29.24	62.1	4.65	6.1	SR12	8/15/2019 6:51	28.01	65.3	4.89	7.3	SR12	8/15/2019 12:51	28.34	61.9	4.63	7.1	SR12	8/15/2019 18:51	29.19	68.3	5.11	7.3
SR12	8/15/2019 0:56	29.17	64.8	4.85	6.1	SR12	8/15/2019 6:56	28.01	62.3	4.66	6.1	SR12	8/15/2019 12:56	28.35	62.7	4.69	7.1	SR12	8/15/2019 18:56	29.20	68.9	5.16	7.2
SR12	8/15/2019 1:01	29.17	65.3	4.89	5.5	SR12	8/15/2019 7:01	27.98	68.8	5.15	6.8	SR12	8/15/2019 13:01	28.50	65.5	4.90	7.8	SR12	8/15/2019 19:01	29.20	69.6	5.21	7.0
SR12	8/15/2019 1:06	29.22	65.7	4.92	5.4	SR12	8/15/2019 7:06	27.98	67.9	5.08	6.0	SR12	8/15/2019 13:06	28.48	62.1	4.65	8.1	SR12	8/15/2019 19:06	29.19	61.6	4.61	7.1
SR12	8/15/2019 1:11	29.32	64.8	4.85	6.6	SR12	8/15/2019 7:11	27.97	68.7	5.14	6.5	SR12	8/15/2019 13:11	28.49	67.7	5.07	8.3	SR12	8/15/2019 19:11	29.15	66.8	5.00	7.2
SR12	8/15/2019 1:16	29.24	63.7	4.77	7.7	SR12	8/15/2019 7:16	27.93	67.7	5.07	3.0	SR12	8/15/2019 13:16	28.49	69.6	5.21	7.4	SR12	8/15/2019 19:16	29.16	61.6	4.61	6.8
SR12	8/15/2019 1:21	29.16	61.7	4.62	6.6	SR12	8/15/2019 7:21	27.98	62.5	4.68	3.3	SR12	8/15/2019 13:21	28.48	63.7	4.77	6.9	SR12	8/15/2019 19:21	29.14	61.3	4.59	6.1
SR12	8/15/2019 1:26	29.24	65.1	4.87	7.1	SR12	8/15/2019 7:26	28.00	62.8	4.70	5.8	SR12	8/15/2019 13:26	28.39	68.7	5.14	7.1	SR12	8/15/2019 19:26	29.13	68.1	5.10	6.9
SR12	8/15/2019 1:31	29.29	62.1	4.65	6.6	SR12	8/15/2019 7:31	27.97	64.4	4.82	6.8	SR12	8/15/2019 13:31	28.40	68.5	5.13	7.5	SR12	8/15/2019 19:31	29.13	69.6	5.21	5.0
SR12	8/15/2019 1:36	29.21	66.1	4.95	7.4	SR12	8/15/2019 7:36	27.93	63.5	4.75	7.2	SR12	8/15/2019 13:36	28.43	62.7	4.69	6.7	SR12	8/15/2019 19:36	29.12	68.9	5.16	5.3
SR12	8/15/2019 1:41	29.27	64.7	4.84	6.3	SR12	8/15/2019 7:41	27.75	65.5	4.90	7.8	SR12	8/15/2019 13:41	28.50	69.5	5.20	6.9	SR12	8/15/2019 19:41	29.03	61.9	4.63	7.1
SR12	8/15/2019 1:46	29.29	65.3	4.89	6.1	SR12	8/15/2019 7:46	27.79	68.4	5.12	6.9	SR12	8/15/2019 13:46	28.59	62.3	4.66	8.2	SR12	8/15/2019 19:46	29.09	68.1	5.10	6.8
SR12	8/15/2019 1:51	29.28	66.7	4.99	6.4	SR12	8/15/2019 7:51	27.86	68.1	5.10	7.8	SR12	8/15/2019 13:51	28.62	61.5	4.60	8.0	SR12	8/15/2019 19:51	28.83	63.6	4.76	8.0
SR12	8/15/2019 1:56	29.18	68.3	4.96	5.7	SR12	8/15/2019 7:56	27.82	61.5	4.60	6.7	SR12	8/15/2019 13:56	28.60	65.6	4.91	7.5	SR12	8/15/2019 19:56	28.84	67.9	5.08	7.5
SR12	8/15/2019 2:01	29.20	69.5	5.20	7.0	SR12	8/15/2019 8:01	27.80	63.9	4.78	7.1	SR12	8/15/2019 14:01	28.56	65.1	4.87	7.9	SR12	8/15/2019 20:01	28.95	68.7	5.14	7.8
SR12	8/15/2019 2:06	29.11	66.5	4.98	5.7	SR12	8/15/2019 8:06	27.81	65.2	4.88	6.5	SR12	8/15/2019 14:06	28.57	66.8	5.00	7.5	SR12	8/15/2019 20:06	29.00	62.0	4.64	7.4
SR12	8/15/2019 2:11	29.18	62.4	4.67	7.1	SR12	8/15/2019 8:11	27.79	67.3	5.04	7.2	SR12	8/15/2019 14:11	28.56	68.5	5.13	7.0	SR12	8/15/2019 20:11	28.79	61.5	4.60	7.3
SR12	8/15/2019 2:16	29.20	61.3	4.59	7.6	SR12	8/15/2019 8:16	27.81	69.1	5.17	7.2	SR12	8/15/2019 14:16	28.58	67.1	5.02	7.7	SR12	8/15/2019 20:16	28.61	61.3	4.59	7.0
SR12	8/15/2019 2:21	29.05	64.5	4.83	5.6	SR12	8/15/2019 8:21	27.83	66.9	5.01	6.9	SR12	8/15/2019 14:21	28.61	63.3	4.74	6.5	SR12	8/15/2019 20:21	28.77	67.9	5.08	6.8
SR12	8/15/2019 2:26	29.09	68.7	5.14	7.4	SR12	8/15/2019 8:26	27.76	61.3	4.59	6.7	SR12	8/15/2019 14:26	28.61	62.9	4.71	7.6	SR12	8/15/2019 20:26	28.48	62.1	4.65	5.5
SR12	8/15/2019 2:31	29.11	65.6	4.91	7.3	SR12	8/15/2019 8:31	27.84	69.1	5.17	7.5	SR12	8/15/2019 14:31	28.63	63.6	4.76	6.7	SR12	8/15/2019 20:31	28.47	64.7	4.84	7.2
SR12	8/15/2019 2:36	29.16	62.5	4.68	6.7	SR12	8/15/2019 8:36	27.88	66.8	5.00	7.5	SR12	8/15/2019 14:36	28.64	61.6	4.61	6.5	SR12	8/15/2019 20:36	28.44	67.5	5.05	7.1
SR12	8/15/2019 2:41	29.20	62.1	4.65	6.5	SR12	8/15/2019 8:41	28.06	65.3	4.89	7.5	SR12	8/15/2019 14:41	28.66	64.3	4.81	7.6	SR12	8/15/2019 20:41	28.46	61.5	4.60	6.5
SR12	8/15/2019 2:46	29.18	67.2	5.03	7.1	SR12	8/15/2019 8:46	27.94	65.2	4.88	6.3	SR12	8/15/2019 14:46	28.68	65.6	4.91	7.3	SR12	8/15/2019 20:46	28.47	63.2	4.73	6.6
SR12	8/15/2019 2:51	29.03	62.7	4.69	5.6	SR12	8/15/2019 8:51	27.96	68.1	5.10	7.2	SR12	8/15/2019 14:51	28.70	64.5	4.83	7.7	SR12	8/15/2019 20:51	28.44	67.7	5.07	7.2
SR12	8/15/2019 2:56	28.95	65.1	4.87	7.2	SR12	8/15/2019 8:56	28.02	64.7	4.84	7.2	SR12	8/15/2019 14:56	28.73	69.2	5.18	7.4	SR12	8/15/2019 20:56	28.44	65.2	4.88	5.8
SR12	8/15/2019 3:01	28.91	63.5	4.75	6.0	SR12	8/15/2019 9:01	28.09	64.8	4.85	7.0	SR12	8/15/2019 15:01	28.74	64.5	4.83	7.3	SR12	8/15/2019 21:01	28.53	68.1	5.10	6.4
SR12	8/15/2019 3:06	29.05	67.2	5.03	7.0	SR12	8/15/2019 9:06	28.04	68.0	5.09	8.1	SR12	8/15/2019 15:06	28.76	63.2	4.73	7.8	SR12	8/15/2019 21:06	28.58	67.7	5.07	6.9
SR12	8/15/2019 3:11	28.89	64.8	4.85	6.4	SR12	8/15/2019 9:11	28.02	67.7	5.07	6.9	SR12	8/15/2019 15:11	28.80	62.7	4.69	7.2	SR12	8/15/2019 21:11	28.52	69.1	5.17	6.6
SR12	8/15/2019 3:16	28.81	69.2	5.18	6.8	SR12	8/15/2019 9:16	28.08	67.9	5.08	8.4	SR12	8/15/2019 15:16	28.82	62.5	4.68	6.8	SR12	8/15/2019 21:16	28.57	65.1	4.87	6.4
SR12	8/15/2019 3:21	28.80	66.5	4.98	7.4	SR12	8/15/2019 9:21	28.40	61.7	4.62	7.7	SR12	8/15/2019 15:21	28.82	65.6	4.91	7.7	SR12	8/15/2019 21:21	28.70	64.9	4.86	6.0
SR12	8/15/2019 3:26	28.84	68.3	5.11	6.3	SR12	8/15/2019 9:26	28.51	67.5	5.05	6.7	SR12	8/15/2019 15:26	28.83	64.9	4.86	7.0	SR12	8/15/2019 21:26	28.57	66.1	4.95	6.5
SR12	8/15/2019 3:31	28.92	66.7	4.99	7.1	SR12	8/15/2019 9:31	28.52	62.8	4.70	7.4	SR12	8/15/2019 15:31	28.85	68.8	5.15	7.6	SR12	8/15/2019 21:31	28.56	63.6	4.76	5.9
SR12	8/15/2019 3:36	28.90	65.3	4.89	7.7	SR12	8/15/2019 9:36	28.55	63.3	4.74	6.5	SR12	8/15/2019 15:36	28.90	68.8	5.15	7.5	SR12	8/15/2019 21:36	28.60	68.7	5.14	8.1
SR12	8/15/2019 3:41	28.87	64.1	4.80	6.6	SR12	8/15/2019 9:41	28.60	65.3	4.89	6.7	SR12	8/15/2019 15:41	28.93	66.4	4.97	7.8	SR12	8/15/2019 21:41	28.56	66.3	4.96	6.4
SR12	8/15/2019 3:46	29.11	66.4	4.97	5.8	SR12	8/15/2019 9:46	28.58	67.1	5.02	7.5	SR12	8/15/2019 15:46	28.93	61.3	4.59	7.8	SR12	8/15/2019 21:46	28.61	68.8	5.15	7.9
SR12	8/15/2019 3:51	29.04	68.1	5.10	6.9	SR12	8/15/2019 9:51	28.57	68.4	5.12	7.4	SR12	8/15/2019 15:51	28.95									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/15/2019 0:00	29.27	74.6	5.71	5.2	SR13	8/15/2019 6:00	29.01	75.5	5.70	4.7	SR13	8/15/2019 12:00	29.34	75.6	5.70	5.3	SR13	8/15/2019 18:00	29.71	84.7	6.42	4.6
SR13	8/15/2019 0:05	29.30	75.8	5.80	5.4	SR13	8/15/2019 6:05	29.01	76.9	5.60	5.2	SR13	8/15/2019 12:05	29.27	79.5	5.99	5.6	SR13	8/15/2019 18:05	29.70	86.1	6.50	5.0
SR13	8/15/2019 0:10	29.35	74.9	5.73	6.4	SR13	8/15/2019 6:10	28.95	79.4	6.03	6.2	SR13	8/15/2019 12:10	29.26	77.8	5.87	4.6	SR13	8/15/2019 18:10	29.68	88.9	6.74	5.5
SR13	8/15/2019 0:15	29.31	77.9	5.92	6.2	SR13	8/15/2019 6:15	28.93	78.0	5.91	6.5	SR13	8/15/2019 12:15	29.27	76.3	5.77	5.2	SR13	8/15/2019 18:15	29.66	87.3	6.60	4.2
SR13	8/15/2019 0:20	29.32	76.6	5.82	5.1	SR13	8/15/2019 6:20	28.81	78.7	5.95	6.3	SR13	8/15/2019 12:20	29.35	80.5	6.08	4.7	SR13	8/15/2019 18:20	29.63	83.6	6.32	5.7
SR13	8/15/2019 0:25	29.31	77.2	5.86	5.4	SR13	8/15/2019 6:25	28.86	78.7	5.96	5.4	SR13	8/15/2019 12:25	29.45	77.5	5.83	5.6	SR13	8/15/2019 18:25	29.69	86.3	6.55	5.0
SR13	8/15/2019 0:30	29.32	77.0	5.83	5.5	SR13	8/15/2019 6:30	28.85	78.8	5.97	5.9	SR13	8/15/2019 12:30	29.49	77.6	5.87	5.7	SR13	8/15/2019 18:30	29.60	82.6	6.24	6.3
SR13	8/15/2019 0:35	29.27	77.2	5.86	5.5	SR13	8/15/2019 6:35	28.78	75.3	5.68	6.1	SR13	8/15/2019 12:35	29.45	77.9	5.87	4.9	SR13	8/15/2019 18:35	29.53	85.6	6.46	5.0
SR13	8/15/2019 0:40	29.34	78.0	5.91	5.5	SR13	8/15/2019 6:40	28.73	77.7	5.87	5.7	SR13	8/15/2019 12:40	29.42	75.7	5.69	5.8	SR13	8/15/2019 18:40	29.68	85.3	6.46	5.7
SR13	8/15/2019 0:45	29.34	78.1	5.92	5.2	SR13	8/15/2019 6:45	28.52	77.2	5.83	5.7	SR13	8/15/2019 12:45	29.46	77.9	5.87	6.2	SR13	8/15/2019 18:45	29.66	86.2	6.54	5.6
SR13	8/15/2019 0:50	29.37	75.8	5.73	6.1	SR13	8/15/2019 6:50	28.47	79.3	6.00	5.5	SR13	8/15/2019 12:50	29.46	77.9	5.86	4.8	SR13	8/15/2019 18:50	29.55	83.2	6.32	6.2
SR13	8/15/2019 0:55	29.38	74.8	5.65	6.3	SR13	8/15/2019 6:55	28.50	79.7	6.05	5.8	SR13	8/15/2019 12:55	29.47	77.7	5.85	5.1	SR13	8/15/2019 18:55	29.48	82.7	6.27	5.8
SR13	8/15/2019 1:00	29.36	77.0	5.83	5.4	SR13	8/15/2019 7:00	28.47	80.1	6.08	6.3	SR13	8/15/2019 13:00	29.49	78.2	5.90	6.0	SR13	8/15/2019 19:00	29.54	86.3	6.53	5.4
SR13	8/15/2019 1:05	29.35	76.8	5.94	5.7	SR13	8/15/2019 7:05	28.45	74.8	5.66	5.7	SR13	8/15/2019 13:05	29.48	77.2	5.84	5.8	SR13	8/15/2019 19:05	29.49	84.0	6.36	6.0
SR13	8/15/2019 1:10	29.39	78.2	5.94	6.1	SR13	8/15/2019 7:10	28.47	79.2	6.01	6.4	SR13	8/15/2019 13:10	29.48	78.2	5.90	5.6	SR13	8/15/2019 19:10	29.48	83.9	6.36	5.8
SR13	8/15/2019 1:15	29.42	77.7	5.89	5.6	SR13	8/15/2019 7:15	28.48	77.5	5.89	6.0	SR13	8/15/2019 13:15	29.45	78.5	5.94	5.0	SR13	8/15/2019 19:15	29.46	85.8	6.48	5.4
SR13	8/15/2019 1:20	29.45	76.7	5.79	6.0	SR13	8/15/2019 7:20	28.55	75.0	5.66	5.5	SR13	8/15/2019 13:20	29.44	78.3	5.91	5.7	SR13	8/15/2019 19:20	29.45	82.5	6.27	4.5
SR13	8/15/2019 1:25	29.47	78.5	5.94	5.4	SR13	8/15/2019 7:25	28.52	74.6	5.64	5.8	SR13	8/15/2019 13:25	29.48	79.4	5.99	5.8	SR13	8/15/2019 19:25	29.44	81.4	6.16	5.0
SR13	8/15/2019 1:30	29.40	77.0	5.84	4.6	SR13	8/15/2019 7:30	28.54	77.1	5.84	6.5	SR13	8/15/2019 13:30	29.49	78.2	5.90	5.7	SR13	8/15/2019 19:30	29.41	84.8	6.43	4.9
SR13	8/15/2019 1:35	29.37	76.7	5.79	6.1	SR13	8/15/2019 7:35	28.57	75.2	5.69	5.7	SR13	8/15/2019 13:35	29.49	81.5	6.16	6.1	SR13	8/15/2019 19:35	29.40	82.5	6.24	4.9
SR13	8/15/2019 1:40	29.37	77.7	5.88	5.5	SR13	8/15/2019 7:40	28.53	77.0	5.85	5.3	SR13	8/15/2019 13:40	29.56	77.3	5.83	5.2	SR13	8/15/2019 19:40	29.44	85.5	6.47	5.2
SR13	8/15/2019 1:45	29.46	79.4	6.00	6.0	SR13	8/15/2019 7:45	28.53	77.7	5.87	5.7	SR13	8/15/2019 13:45	29.50	78.1	5.91	6.2	SR13	8/15/2019 19:45	29.41	85.0	6.44	6.0
SR13	8/15/2019 1:50	29.38	76.2	5.76	6.2	SR13	8/15/2019 7:50	28.54	77.4	5.87	5.5	SR13	8/15/2019 13:50	29.54	79.1	5.98	5.8	SR13	8/15/2019 19:50	29.37	86.0	6.51	4.8
SR13	8/15/2019 1:55	29.33	79.3	6.01	5.6	SR13	8/15/2019 7:55	28.55	78.3	5.93	6.2	SR13	8/15/2019 13:55	29.52	78.0	5.92	5.1	SR13	8/15/2019 19:55	29.40	82.7	6.26	5.3
SR13	8/15/2019 2:00	29.36	78.2	5.92	5.9	SR13	8/15/2019 8:00	28.61	75.1	5.71	5.7	SR13	8/15/2019 14:00	29.55	78.7	5.94	5.8	SR13	8/15/2019 20:00	29.24	84.2	6.38	5.0
SR13	8/15/2019 2:05	29.35	79.1	5.98	5.3	SR13	8/15/2019 8:05	28.68	77.1	5.83	5.1	SR13	8/15/2019 14:05	29.60	79.5	6.02	5.4	SR13	8/15/2019 20:05	29.28	83.2	6.31	5.5
SR13	8/15/2019 2:10	29.39	78.5	5.94	6.2	SR13	8/15/2019 8:10	28.65	76.3	5.77	5.7	SR13	8/15/2019 14:10	29.56	82.0	6.21	5.1	SR13	8/15/2019 20:10	28.95	83.0	6.30	4.4
SR13	8/15/2019 2:15	29.40	78.3	5.94	6.7	SR13	8/15/2019 8:15	28.64	75.8	5.73	5.2	SR13	8/15/2019 14:15	29.51	80.2	6.06	5.8	SR13	8/15/2019 20:15	29.09	82.6	6.26	5.0
SR13	8/15/2019 2:20	29.42	77.6	5.87	6.0	SR13	8/15/2019 8:20	28.69	77.6	5.89	5.7	SR13	8/15/2019 14:20	29.55	80.4	6.07	5.8	SR13	8/15/2019 20:20	28.93	81.6	6.16	6.0
SR13	8/15/2019 2:25	29.55	77.4	5.85	5.0	SR13	8/15/2019 8:25	28.65	78.5	5.94	5.5	SR13	8/15/2019 14:25	29.59	78.1	5.90	5.8	SR13	8/15/2019 20:25	28.95	84.4	6.38	6.0
SR13	8/15/2019 2:30	29.49	78.9	5.97	5.8	SR13	8/15/2019 8:30	28.64	77.5	5.86	5.5	SR13	8/15/2019 14:30	29.56	82.6	6.25	5.9	SR13	8/15/2019 20:30	28.93	84.4	6.41	5.7
SR13	8/15/2019 2:35	29.45	77.8	5.89	6.5	SR13	8/15/2019 8:35	28.65	76.1	5.78	5.1	SR13	8/15/2019 14:35	29.59	82.3	6.24	5.6	SR13	8/15/2019 20:35	28.95	83.6	6.33	5.0
SR13	8/15/2019 2:40	29.41	80.0	6.07	5.0	SR13	8/15/2019 8:40	28.66	78.8	5.97	4.8	SR13	8/15/2019 14:40	29.56	82.3	6.23	4.9	SR13	8/15/2019 20:40	28.97	82.9	6.28	5.2
SR13	8/15/2019 2:45	29.42	75.2	5.68	5.1	SR13	8/15/2019 8:45	28.72	80.8	6.13	4.4	SR13	8/15/2019 14:45	29.62	79.2	5.97	6.3	SR13	8/15/2019 20:45	28.96	82.9	6.26	5.2
SR13	8/15/2019 2:50	29.44	78.7	5.95	6.0	SR13	8/15/2019 8:50	28.68	78.9	5.98	5.1	SR13	8/15/2019 14:50	29.65	79.4	6.00	5.0	SR13	8/15/2019 20:50	28.89	81.0	6.16	5.4
SR13	8/15/2019 2:55	29.41	79.1	5.98	5.8	SR13	8/15/2019 8:55	28.61	77.3	5.85	5.2	SR13	8/15/2019 14:55	29.65	78.3	5.91	5.6	SR13	8/15/2019 20:55	28.88	79.5	6.02	5.1
SR13	8/15/2019 3:00	29.39	78.6	5.97	6.0	SR13	8/15/2019 9:00	28.65	75.9	5.75	5.3	SR13	8/15/2019 15:00	29.64	80.5	6.08	5.6	SR13	8/15/2019 21:00	28.95	82.9	6.30	4.6
SR13	8/15/2019 3:05	29.42	78.2	5.93	5.3	SR13	8/15/2019 9:05	28.73	77.7	5.87	5.9	SR13	8/15/2019 15:05	29.58	78.3	5.94	5.4	SR13	8/15/2019 21:05	28.96	83.6	6.33	5.5
SR13	8/15/2019 3:10	29.43	76.8	5.82	4.9	SR13	8/15/2019 9:10	28.75	78.1	5.93	5.6	SR13	8/15/2019 15:10	29.69	80.4	6.09	5.3	SR13	8/15/2019 21:10	28.91	82.9	6.26	5.8
SR13	8/15/2019 3:15	29.42	76.8	5.81	5.7	SR13	8/15/2019 9:15	28.75	79.0	5.99	5.9	SR13	8/15/2019 15:15	29.67	79.1	5.97	6.3	SR13	8/15/2019 21:15	28.91	82.7	6.27	4.5
SR13	8/15/2019 3:20	29.42	77.6	5.87	5.8	SR13	8/15/2019 9:20	28.80	80.4	6.08	6.0	SR13	8/15/2019 15:20	29.75	81.1	6.15	5.0	SR13	8/15/2019 21:20	28.90	81.6	6.18	5.3
SR13	8/15/2019 3:25	29.41	78.7	5.96	5.8	SR13	8/15/2019 9:25	28.99	77.6	5.89	5.3	SR13	8/15/2019 15:25	29.74	79.7	6.03	5.9	SR13	8/15/2019 21:25	28.95	82.5	6.24	6.2
SR13	8/15/2019 3:30	29.42	76.1	5.73	5.4	SR13	8/15/2019 9:30	28.90	79.4	6.00	4.4	SR13	8/15/2019 15:30	29.69	79.4	6.00	6.0	SR13	8/15/2019 21:30	28.94	82.9	6.27	4.7
SR13	8/15/2019 3:35	29.40	78.5	5.94	5.7	SR13	8/15/2019 9:35	28.98	77.3	5.85	5.1	SR13	8/15/2019 15:35	29.69	81.1	6.14	5.5	SR13	8/15/2019 21:35	28.93	81.9	6.18	5.5
SR13	8/15/2019 3:40	29.42	79.3	6.00	5.7	SR13	8/15/2019 9:40	29.03	79.0	5.99	4.4	SR13	8/15/2019 15:40	29.77	78.9	5.95	5.7	SR13	8/15/2019 21:40	28.94	79.8	6.04	5.8
SR13	8/15/2019 3:45	29.42	78.4	5.91	6.5	SR13	8/15/2019 9:45	29.02	77.4	5.87	5.8	SR13	8/15/2019 15:45	29.77	82.8	6.23	6.6	SR13	8/15/2019 21:45	29.01	80.8	6.12	5.5
SR13	8/15/2019 3:50	29.39	77.6	5.84	6.6	SR13	8/15/2019 9:50	29.03	78.3	5.92	5.8	SR13	8/15/2019 15:50	29.77									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/15/2019 0:17	0.14				SR12	8/15/2019 0:17	0.19			
SR4	8/15/2019 0:37	0.15				SR12	8/15/2019 0:37	0.18			
SR4	8/15/2019 0:57	0.13				SR12	8/15/2019 0:57	0.19			
SR4	8/15/2019 1:17	0.14				SR12	8/15/2019 1:17	0.17			
SR4	8/15/2019 1:37	0.14				SR12	8/15/2019 1:37	0.19			
SR4	8/15/2019 1:57	0.13				SR12	8/15/2019 1:57	0.17			
SR4	8/15/2019 2:17	0.15				SR12	8/15/2019 2:17	0.18			
SR4	8/15/2019 2:37	0.14				SR12	8/15/2019 2:37	0.17			
SR4	8/15/2019 2:57	0.15				SR12	8/15/2019 2:57	0.18			
SR4	8/15/2019 3:17	0.15				SR12	8/15/2019 3:17	0.19			
SR4	8/15/2019 3:37	0.13				SR12	8/15/2019 3:37	0.18			
SR4	8/15/2019 3:57	0.14				SR12	8/15/2019 3:57	0.17			
SR4	8/15/2019 4:17	0.12				SR12	8/15/2019 4:17	0.18			
SR4	8/15/2019 4:37	0.13				SR12	8/15/2019 4:37	0.16			
SR4	8/15/2019 4:57	0.12				SR12	8/15/2019 4:57	0.18			
SR4	8/15/2019 5:17	0.14				SR12	8/15/2019 5:17	0.16			
SR4	8/15/2019 5:37	0.13				SR12	8/15/2019 5:37	0.17			
SR4	8/15/2019 5:57	0.12				SR12	8/15/2019 5:57	0.17			
SR4						SR12					
SR4	8/15/2019 6:37	0.12				SR12	8/15/2019 6:37	0.16			
SR4	8/15/2019 6:57	0.14				SR12	8/15/2019 6:57	0.17			
SR4	8/15/2019 7:17	0.14				SR12	8/15/2019 7:17	0.16			
SR4	8/15/2019 7:37	0.12				SR12	8/15/2019 7:37	0.16			
SR4	8/15/2019 7:57	0.13				SR12	8/15/2019 7:57	0.17			
SR4	8/15/2019 8:17	0.14				SR12	8/15/2019 8:17	0.16			
SR4	8/15/2019 8:37	0.14				SR12	8/15/2019 8:37	0.17			
SR4	8/15/2019 8:57	0.13				SR12	8/15/2019 8:57	0.16			
SR4	8/15/2019 9:17	0.12				SR12	8/15/2019 9:17	0.16			
SR4	8/15/2019 9:37	0.14				SR12	8/15/2019 9:37	0.16			
SR4	8/15/2019 9:57	0.12				SR12	8/15/2019 9:57	0.16			
SR4	8/15/2019 10:17	0.14				SR12	8/15/2019 10:17	0.18			
SR4	8/15/2019 10:37	0.15				SR12	8/15/2019 10:37	0.17			
SR4	8/15/2019 10:57	0.17				SR12	8/15/2019 10:57	0.17			
SR4	8/15/2019 11:17	0.16				SR12	8/15/2019 11:17	0.16			
SR4	8/15/2019 11:37	0.16				SR12	8/15/2019 11:37	0.18			
SR4	8/15/2019 11:57	0.17				SR12	8/15/2019 11:57	0.17			
SR4	8/15/2019 12:17	0.16				SR12	8/15/2019 12:17	0.17			
SR4	8/15/2019 12:37	0.16				SR12	8/15/2019 12:37	0.16			
SR4	8/15/2019 12:57	0.17				SR12	8/15/2019 12:57	0.16			
SR4	8/15/2019 13:17	0.18				SR12	8/15/2019 13:17	0.16			
SR4	8/15/2019 13:37	0.16				SR12	8/15/2019 13:37	0.16			
SR4	8/15/2019 13:57	0.17				SR12	8/15/2019 13:57	0.17			
SR4	8/15/2019 14:17	0.17				SR12	8/15/2019 14:17	0.17			
SR4	8/15/2019 14:37	0.17				SR12	8/15/2019 14:37	0.18			
SR4	8/15/2019 14:57	0.17				SR12	8/15/2019 14:57	0.19			
SR4	8/15/2019 15:17	0.18				SR12	8/15/2019 15:17	0.21			
SR4	8/15/2019 15:37	0.20				SR12	8/15/2019 15:37	0.20			
SR4	8/15/2019 15:57	0.22				SR12	8/15/2019 15:57	0.20			
SR4	8/15/2019 16:17	0.22				SR12	8/15/2019 16:17	0.19			
SR4	8/15/2019 16:37	0.21				SR12	8/15/2019 16:37	0.20			
SR4	8/15/2019 16:57	0.21				SR12	8/15/2019 16:57	0.20			
SR4	8/15/2019 17:17	0.22				SR12	8/15/2019 17:17	0.19			
SR4	8/15/2019 17:37	0.22				SR12	8/15/2019 17:37	0.20			
SR4	8/15/2019 17:57	0.22				SR12	8/15/2019 17:57	0.19			
SR4	8/15/2019 18:17	0.23				SR12	8/15/2019 18:17	0.19			
SR4	8/15/2019 18:37	0.26				SR12	8/15/2019 18:37	0.21			
SR4	8/15/2019 18:57	0.26				SR12	8/15/2019 18:57	0.21			
SR4	8/15/2019 19:17	0.24				SR12	8/15/2019 19:17	0.19			
SR4	8/15/2019 19:37	0.24				SR12	8/15/2019 19:37	0.19			
SR4	8/15/2019 19:57	0.26				SR12	8/15/2019 19:57	0.19			
SR4	8/15/2019 20:17	0.24				SR12	8/15/2019 20:17	0.19			
SR4	8/15/2019 20:37	0.26				SR12	8/15/2019 20:37	0.19			
SR4	8/15/2019 20:57	0.27				SR12	8/15/2019 20:57	0.21			
SR4	8/15/2019 21:17	0.29				SR12	8/15/2019 21:17	0.22			
SR4	8/15/2019 21:37	0.29				SR12	8/15/2019 21:37	0.22			
SR4	8/15/2019 21:57	0.29				SR12	8/15/2019 21:57	0.22			
SR4	8/15/2019 22:17	0.27				SR12	8/15/2019 22:17	0.24			
SR4	8/15/2019 22:37	0.27				SR12	8/15/2019 22:37	0.24			
SR4	8/15/2019 22:57	0.28				SR12	8/15/2019 22:57	0.24			
SR4	8/15/2019 23:17	0.27				SR12	8/15/2019 23:17	0.24			
SR4	8/15/2019 23:37	0.27				SR12	8/15/2019 23:37	0.24			
SR4	8/15/2019 23:57	0.27				SR12	8/15/2019 23:57	0.24			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR5 monitoring station was under maintenance during 9:05-9:30.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/16/2019 0:01	29.31	68.4	4.59	5.3	SR4	8/16/2019 6:01	28.69	64.5	4.31	5.6	SR4	8/16/2019 12:01	28.65	68.3	4.54	5.4	SR4	8/16/2019 18:01	29.36	81.4	6.13	7.2
SR4	8/16/2019 0:06	29.30	66.5	4.46	5.2	SR4	8/16/2019 6:06	28.73	66.5	4.44	5.8	SR4	8/16/2019 12:06	28.67	68.4	4.55	5.3	SR4	8/16/2019 18:06	29.27	82.9	6.24	7.8
SR4	8/16/2019 0:11	29.27	65.3	4.38	5.1	SR4	8/16/2019 6:11	28.77	63.1	4.23	5.7	SR4	8/16/2019 12:11	28.67	69.2	4.60	5.1	SR4	8/16/2019 18:11	29.28	83.1	6.25	7.8
SR4	8/16/2019 0:16	29.23	58.7	3.95	5.2	SR4	8/16/2019 6:16	28.78	60.9	4.07	5.6	SR4	8/16/2019 12:16	28.58	68.6	4.57	5.3	SR4	8/16/2019 18:16	29.27	79.6	5.99	7.7
SR4	8/16/2019 0:21	29.26	55.8	4.19	5.1	SR4	8/16/2019 6:21	28.77	59.5	3.98	5.6	SR4	8/16/2019 12:21	28.55	64.7	4.30	5.3	SR4	8/16/2019 18:21	29.32	80.4	6.05	7.6
SR4	8/16/2019 0:26	29.25	59.8	4.02	5.1	SR4	8/16/2019 6:26	28.77	59.5	3.99	5.3	SR4	8/16/2019 12:26	28.71	65.8	4.37	5.1	SR4	8/16/2019 18:26	29.36	79.6	5.99	8.3
SR4	8/16/2019 0:31	29.28	61.1	4.10	5.2	SR4	8/16/2019 6:31	28.76	58.7	3.93	5.4	SR4	8/16/2019 12:31	28.64	67.0	4.46	5.2	SR4	8/16/2019 18:31	29.35	82.7	6.22	8.0
SR4	8/16/2019 0:36	29.29	66.3	4.45	5.3	SR4	8/16/2019 6:36	28.74	58.9	3.94	5.5	SR4	8/16/2019 12:36	28.58	66.0	4.40	5.2	SR4	8/16/2019 18:36	29.36	81.7	6.15	8.3
SR4	8/16/2019 0:41	29.29	64.1	4.30	5.2	SR4	8/16/2019 6:41	28.36	59.6	3.98	5.6	SR4	8/16/2019 12:41	28.76	64.5	4.28	17.9	SR4	8/16/2019 18:41	29.38	82.4	6.20	7.9
SR4	8/16/2019 0:46	29.30	59.1	3.96	5.2	SR4	8/16/2019 6:46	28.42	59.3	3.96	5.6	SR4	8/16/2019 12:46	28.83	58.9	3.92	5.1	SR4	8/16/2019 18:46	29.40	83.7	6.30	7.7
SR4	8/16/2019 0:51	29.24	59.9	4.01	5.3	SR4	8/16/2019 6:51	28.41	59.6	3.98	5.5	SR4	8/16/2019 12:51	28.84	62.7	4.17	5.2	SR4	8/16/2019 18:51	29.42	85.8	6.45	7.7
SR4	8/16/2019 0:56	29.22	55.6	4.30	5.1	SR4	8/16/2019 6:56	28.50	62.2	4.16	5.6	SR4	8/16/2019 12:56	28.65	66.9	4.46	5.1	SR4	8/16/2019 18:56	29.43	84.7	6.37	8.7
SR4	8/16/2019 1:01	29.29	64.5	4.33	5.2	SR4	8/16/2019 7:01	28.50	61.2	4.09	5.5	SR4	8/16/2019 13:01	28.87	68.4	4.55	5.1	SR4	8/16/2019 19:01	29.45	80.8	6.08	7.6
SR4	8/16/2019 1:06	29.24	64.5	4.33	5.3	SR4	8/16/2019 7:06	28.56	58.0	3.88	5.5	SR4	8/16/2019 13:06	28.83	67.3	4.47	5.2	SR4	8/16/2019 19:06	29.44	81.2	6.11	8.3
SR4	8/16/2019 1:11	29.28	62.2	4.16	5.3	SR4	8/16/2019 7:11	27.65	50.3	4.55	5.5	SR4	8/16/2019 13:11	28.78	63.4	4.22	5.2	SR4	8/16/2019 19:11	29.46	83.6	6.29	8.2
SR4	8/16/2019 1:16	29.30	58.7	3.94	5.2	SR4	8/16/2019 7:16	28.42	55.8	4.16	5.6	SR4	8/16/2019 13:16	28.73	67.1	4.46	5.3	SR4	8/16/2019 19:16	29.47	82.4	6.20	8.3
SR4	8/16/2019 1:21	29.29	61.7	4.13	5.2	SR4	8/16/2019 7:21	27.53	48.9	4.69	5.7	SR4	8/16/2019 13:21	28.70	64.0	4.26	5.4	SR4	8/16/2019 19:21	29.47	79.5	5.98	7.0
SR4	8/16/2019 1:26	29.24	55.8	4.39	5.2	SR4	8/16/2019 7:26	27.79	53.2	4.42	5.6	SR4	8/16/2019 13:26	28.80	63.8	4.24	5.3	SR4	8/16/2019 19:26	29.47	77.9	5.87	7.4
SR4	8/16/2019 1:31	29.20	49.3	4.72	5.2	SR4	8/16/2019 7:31	28.14	58.6	3.91	5.3	SR4	8/16/2019 13:31	28.52	64.1	4.26	5.2	SR4	8/16/2019 19:31	29.47	81.0	6.10	7.5
SR4	8/16/2019 1:36	29.24	53.7	4.80	5.3	SR4	8/16/2019 7:36	28.21	58.9	3.93	5.4	SR4	8/16/2019 13:36	28.73	63.4	4.21	5.3	SR4	8/16/2019 19:36	29.47	75.6	5.69	7.4
SR4	8/16/2019 1:41	29.17	50.5	4.63	5.1	SR4	8/16/2019 7:41	28.23	58.5	3.90	5.6	SR4	8/16/2019 13:41	28.95	64.4	4.27	5.3	SR4	8/16/2019 19:41	29.46	73.8	5.56	8.2
SR4	8/16/2019 1:46	29.23	59.9	4.02	5.4	SR4	8/16/2019 7:46	28.29	58.3	3.89	5.4	SR4	8/16/2019 13:46	28.71	66.6	4.42	5.4	SR4	8/16/2019 19:46	29.45	84.3	6.34	8.0
SR4	8/16/2019 1:51	29.22	57.2	3.84	5.3	SR4	8/16/2019 7:51	28.35	60.4	4.04	5.6	SR4	8/16/2019 13:51	28.68	65.0	4.32	5.1	SR4	8/16/2019 19:51	29.27	82.7	6.22	8.6
SR4	8/16/2019 1:56	29.19	47.3	4.68	5.1	SR4	8/16/2019 7:56	28.46	60.1	4.01	5.5	SR4	8/16/2019 13:56	28.59	58.9	3.92	5.7	SR4	8/16/2019 19:56	29.33	81.4	6.12	7.3
SR4	8/16/2019 2:01	29.12	51.7	4.15	5.1	SR4	8/16/2019 8:01	28.44	60.1	4.02	5.6	SR4	8/16/2019 14:01	28.83	49.2	4.53	9.9	SR4	8/16/2019 20:01	29.35	87.0	6.54	7.8
SR4	8/16/2019 2:06	29.20	53.0	4.76	5.2	SR4	8/16/2019 8:06	28.37	61.3	4.09	5.7	SR4	8/16/2019 14:06	28.66	57.9	3.85	9.9	SR4	8/16/2019 20:06	29.39	85.4	6.42	8.0
SR4	8/16/2019 2:11	29.13	52.6	4.53	5.2	SR4	8/16/2019 8:11	28.37	61.3	4.10	5.8	SR4	8/16/2019 14:11	28.67	63.7	4.23	5.1	SR4	8/16/2019 20:11	29.38	87.8	6.60	7.8
SR4	8/16/2019 2:16	29.12	41.8	4.73	5.1	SR4	8/16/2019 8:16	28.44	61.8	4.13	5.6	SR4	8/16/2019 14:16	28.61	69.9	4.64	5.2	SR4	8/16/2019 20:16	29.36	82.6	6.21	7.6
SR4	8/16/2019 2:21	29.12	41.1	4.64	5.1	SR4	8/16/2019 8:21	28.50	61.6	4.11	5.6	SR4	8/16/2019 14:21	28.76	58.5	3.88	5.2	SR4	8/16/2019 20:21	29.38	89.3	6.72	7.3
SR4	8/16/2019 2:26	29.14	38.5	4.64	5.1	SR4	8/16/2019 8:26	28.49	60.7	4.05	5.3	SR4	8/16/2019 14:26	28.73	61.6	4.08	5.3	SR4	8/16/2019 20:26	29.39	86.7	6.52	7.6
SR4	8/16/2019 2:31	29.08	35.6	4.52	9.9	SR4	8/16/2019 8:31	28.56	64.8	4.33	5.5	SR4	8/16/2019 14:31	28.69	68.6	4.55	5.4	SR4	8/16/2019 20:31	29.38	87.1	6.55	7.9
SR4	8/16/2019 2:36	29.05	40.1	4.81	5.1	SR4	8/16/2019 8:36	28.49	63.8	4.26	9.8	SR4	8/16/2019 14:36	28.50	97.1	7.44	8.1	SR4	8/16/2019 20:36	29.37	84.0	6.32	7.7
SR4	8/16/2019 2:41	29.06	36.4	4.37	5.1	SR4	8/16/2019 8:41	28.52	63.2	4.23	9.7	SR4	8/16/2019 14:41	28.44	98.1	7.33	5.5	SR4	8/16/2019 20:41	29.35	84.2	6.33	8.3
SR4	8/16/2019 2:46	29.05	34.2	4.53	7.1	SR4	8/16/2019 8:46	28.67	64.9	4.33	9.5	SR4	8/16/2019 14:46	28.76	76.9	5.79	7.4	SR4	8/16/2019 20:46	29.36	79.7	5.99	7.2
SR4	8/16/2019 2:51	29.17	37.6	4.23	5.1	SR4	8/16/2019 8:51	28.67	63.3	4.23	9.7	SR4	8/16/2019 14:51	29.11	82.5	6.21	8.1	SR4	8/16/2019 20:51	29.37	79.9	6.01	7.9
SR4	8/16/2019 2:56	28.98	39.3	4.32	8.6	SR4	8/16/2019 8:56	28.61	65.1	4.35	9.9	SR4	8/16/2019 14:56	29.39	80.2	6.03	7.0	SR4	8/16/2019 20:56	29.38	83.0	6.24	7.8
SR4	8/16/2019 3:01	29.14	37.7	4.80	5.1	SR4	8/16/2019 9:01	28.74	67.7	4.52	5.6	SR4	8/16/2019 15:01	29.44	74.9	5.64	8.0	SR4	8/16/2019 21:01	29.39	83.4	6.27	7.8
SR4	8/16/2019 3:06	29.06	39.5	4.25	5.1	SR4	8/16/2019 9:06	28.78	70.3	4.70	6.4	SR4	8/16/2019 15:06	29.41	72.2	5.43	8.0	SR4	8/16/2019 21:06	29.38	81.0	6.09	7.4
SR4	8/16/2019 3:11	28.98	41.4	4.38	5.1	SR4	8/16/2019 9:11	28.77	70.6	4.72	5.2	SR4	8/16/2019 15:11	29.49	78.7	5.92	8.1	SR4	8/16/2019 21:11	29.39	85.0	6.39	8.2
SR4	8/16/2019 3:16	29.14	43.7	4.48	5.1	SR4	8/16/2019 9:16	28.81	72.0	4.81	9.9	SR4	8/16/2019 15:16	29.52	75.4	5.68	7.2	SR4	8/16/2019 21:16	29.39	82.9	6.23	7.1
SR4	8/16/2019 3:21	29.04	49.8	4.85	5.3	SR4	8/16/2019 9:21	28.82	73.7	4.93	9.9	SR4	8/16/2019 15:21	29.54	76.1	5.73	7.6	SR4	8/16/2019 21:21	29.40	83.1	6.25	8.0
SR4	8/16/2019 3:26	29.02	45.6	4.23	5.1	SR4	8/16/2019 9:26	28.73	66.0	4.41	9.9	SR4	8/16/2019 15:26	29.54	73.5	5.53	8.4	SR4	8/16/2019 21:26	29.40	80.8	6.07	7.9
SR4	8/16/2019 3:31	29.03	44.2	4.29	5.1	SR4	8/16/2019 9:31	28.68	67.3	4.50	9.9	SR4	8/16/2019 15:31	29.44	79.5	5.98	7.6	SR4	8/16/2019 21:31	29.42	77.3	5.82	8.4
SR4	8/16/2019 3:36	28.98	43.0	4.45	5.2	SR4	8/16/2019 9:36	28.43	61.4	4.11	5.1	SR4	8/16/2019 15:36	29.51	82.6	6.21	8.0	SR4	8/16/2019 21:36	29.41	83.7	6.29	8.2
SR4	8/16/2019 3:41	29.03	37.7	4.65	5.1	SR4	8/16/2019 9:41	28.55	66.5	4.45	5.1	SR4	8/16/2019 15:41	29.40	77.6	5.84	7.2	SR4	8/16/2019 21:41	29.41	81.5	6.13	7.8
SR4	8/16/2019 3:46	29.00	40.5	4.63	7.8	SR4	8/16/2019 9:46	28.57	68.0	4.54	5.2	SR4	8/16/2019 15:46	29.39	81.3	6.12	7.3	SR4	8/16/2019 21:46	29.42	80.0	6.01	8.3
SR4	8/16/2019 3:51	29.01	41.1	4.78	5.1	SR4	8/16/2019 9:51	28.62	69.2	4.62	5.3	SR4	8/16/2019 15:51	29.47	81.3	6.11	7.4	SR4	8/16/2019 21:51	29.41	77.0	5.79	8.3
SR4	8/16/2019 3:56	28.96	55.0	4.76	5.4	SR4	8/16/2019 9:56	2															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/16/2019 0:00	28.84	95.9	7.23	4.0	SR5	8/16/2019 6:00	29.56	88.1	6.53	6.3	SR5	8/16/2019 12:00	29.11	80.0	6.00	6.2	SR5	8/16/2019 18:00	29.90	82.7	6.22	6.3
SR5	8/16/2019 0:05	28.20	90.8	6.75	4.0	SR5	8/16/2019 6:05	29.57	92.0	6.83	6.1	SR5	8/16/2019 12:05	29.08	77.7	5.82	6.9	SR5	8/16/2019 18:05	29.91	83.8	6.31	6.4
SR5	8/16/2019 0:10	28.74	92.6	6.93	4.2	SR5	8/16/2019 6:10	29.56	88.0	6.45	6.9	SR5	8/16/2019 12:10	28.97	78.4	5.87	7.3	SR5	8/16/2019 18:10	29.92	84.5	6.36	5.4
SR5	8/16/2019 0:15	28.82	94.1	7.05	5.4	SR5	8/16/2019 6:15	29.56	87.8	6.47	5.9	SR5	8/16/2019 12:15	29.07	78.3	5.86	6.6	SR5	8/16/2019 18:15	29.93	84.6	6.37	4.4
SR5	8/16/2019 0:20	28.79	94.8	7.18	4.8	SR5	8/16/2019 6:20	29.49	90.2	6.70	5.7	SR5	8/16/2019 12:20	29.12	80.0	5.99	5.7	SR5	8/16/2019 18:20	29.93	82.3	6.20	6.2
SR5	8/16/2019 0:25	28.98	91.7	6.86	5.3	SR5	8/16/2019 6:25	29.52	90.4	6.74	6.4	SR5	8/16/2019 12:25	29.29	75.0	5.65	6.1	SR5	8/16/2019 18:25	29.93	82.4	6.18	5.5
SR5	8/16/2019 0:30	29.06	94.8	7.14	4.2	SR5	8/16/2019 6:30	29.45	90.5	6.70	6.8	SR5	8/16/2019 12:30	29.27	77.2	5.82	6.3	SR5	8/16/2019 18:30	29.93	83.7	6.30	6.3
SR5	8/16/2019 0:35	29.06	95.3	7.22	5.7	SR5	8/16/2019 6:35	29.43	92.9	6.93	5.5	SR5	8/16/2019 12:35	29.23	78.6	5.89	4.5	SR5	8/16/2019 18:35	29.92	82.2	6.19	6.2
SR5	8/16/2019 0:40	29.05	93.0	6.98	6.2	SR5	8/16/2019 6:40	29.34	95.1	7.13	6.5	SR5	8/16/2019 12:40	29.23	80.2	6.01	5.9	SR5	8/16/2019 18:40	29.86	82.7	6.23	5.9
SR5	8/16/2019 0:45	28.98	90.2	6.71	4.9	SR5	8/16/2019 6:45	29.19	90.3	6.73	4.7	SR5	8/16/2019 12:45	29.34	79.8	5.98	5.0	SR5	8/16/2019 18:45	29.87	83.6	6.27	5.2
SR5	8/16/2019 0:50	29.01	93.8	7.07	6.7	SR5	8/16/2019 6:50	29.04	89.3	6.64	6.5	SR5	8/16/2019 12:50	29.43	81.0	6.07	5.3	SR5	8/16/2019 18:50	29.86	82.9	6.22	5.3
SR5	8/16/2019 0:55	28.98	93.9	7.01	5.7	SR5	8/16/2019 6:55	28.40	90.4	6.75	5.9	SR5	8/16/2019 12:55	29.45	81.5	6.11	5.1	SR5	8/16/2019 18:55	29.77	85.0	6.37	5.0
SR5	8/16/2019 1:00	28.97	93.0	6.98	5.2	SR5	8/16/2019 7:00	28.26	90.7	6.73	4.8	SR5	8/16/2019 13:00	29.53	77.0	5.80	7.6	SR5	8/16/2019 19:00	29.83	83.2	6.24	5.1
SR5	8/16/2019 1:05	28.97	92.0	6.91	6.1	SR5	8/16/2019 7:05	28.24	89.0	6.60	6.8	SR5	8/16/2019 13:05	29.63	79.8	5.98	4.7	SR5	8/16/2019 19:05	29.71	78.0	5.87	7.0
SR5	8/16/2019 1:10	28.97	95.3	7.17	4.3	SR5	8/16/2019 7:10	28.17	92.1	6.83	4.4	SR5	8/16/2019 13:10	29.56	79.4	5.95	5.8	SR5	8/16/2019 19:10	29.70	80.0	6.02	7.1
SR5	8/16/2019 1:15	28.89	93.5	7.04	6.2	SR5	8/16/2019 7:15	28.10	91.4	6.79	6.9	SR5	8/16/2019 13:15	29.56	81.5	6.11	7.2	SR5	8/16/2019 19:15	29.62	84.5	6.36	5.7
SR5	8/16/2019 1:20	28.92	92.0	6.85	6.3	SR5	8/16/2019 7:20	28.04	89.0	6.56	5.3	SR5	8/16/2019 13:20	29.60	81.6	6.12	5.3	SR5	8/16/2019 19:20	29.66	83.2	6.26	5.7
SR5	8/16/2019 1:25	28.91	93.9	7.04	7.0	SR5	8/16/2019 7:25	28.05	91.9	6.84	4.9	SR5	8/16/2019 13:25	29.58	80.3	6.02	5.2	SR5	8/16/2019 19:25	29.43	82.8	6.23	6.5
SR5	8/16/2019 1:30	29.07	93.8	7.03	6.6	SR5	8/16/2019 7:30	28.07	91.5	6.78	5.3	SR5	8/16/2019 13:30	29.52	76.2	5.71	5.9	SR5	8/16/2019 19:30	29.72	84.1	6.32	5.9
SR5	8/16/2019 1:35	29.07	91.5	6.85	6.0	SR5	8/16/2019 7:35	28.04	88.9	6.55	4.0	SR5	8/16/2019 13:35	29.61	79.0	5.92	5.1	SR5	8/16/2019 19:35	29.50	90.1	6.78	5.6
SR5	8/16/2019 1:40	29.13	95.8	7.20	6.8	SR5	8/16/2019 7:40	28.03	90.2	6.65	4.8	SR5	8/16/2019 13:40	30.12	77.2	5.78	4.4	SR5	8/16/2019 19:40	29.50	85.5	6.43	6.9
SR5	8/16/2019 1:45	29.17	95.3	7.21	6.1	SR5	8/16/2019 7:45	27.97	92.5	6.90	5.4	SR5	8/16/2019 13:45	29.17	78.4	5.88	6.6	SR5	8/16/2019 19:45	29.34	87.3	6.57	6.1
SR5	8/16/2019 1:50	29.14	95.7	7.23	6.1	SR5	8/16/2019 7:50	27.96	92.7	6.93	6.2	SR5	8/16/2019 13:50	29.94	77.4	5.80	4.9	SR5	8/16/2019 19:50	29.51	83.8	6.30	6.3
SR5	8/16/2019 1:55	29.13	93.8	7.08	5.0	SR5	8/16/2019 7:55	27.99	92.3	6.86	4.3	SR5	8/16/2019 13:55	29.89	79.2	5.97	5.5	SR5	8/16/2019 19:55	29.10	83.7	6.29	8.6
SR5	8/16/2019 2:00	29.15	94.3	7.14	3.7	SR5	8/16/2019 8:00	27.98	90.5	6.74	5.9	SR5	8/16/2019 14:00	29.78	76.6	5.78	6.6	SR5	8/16/2019 20:00	29.42	85.5	6.43	5.2
SR5	8/16/2019 2:05	29.20	91.8	6.87	6.5	SR5	8/16/2019 8:05	28.00	90.2	6.70	6.1	SR5	8/16/2019 14:05	29.92	82.5	6.19	6.0	SR5	8/16/2019 20:05	28.87	84.1	6.33	8.9
SR5	8/16/2019 2:10	29.25	93.0	6.94	5.1	SR5	8/16/2019 8:10	27.92	92.6	6.95	6.9	SR5	8/16/2019 14:10	29.88	80.7	6.05	5.6	SR5	8/16/2019 20:10	28.81	84.6	6.37	6.4
SR5	8/16/2019 2:15	29.29	92.9	6.97	6.6	SR5	8/16/2019 8:15	27.91	93.5	7.01	4.1	SR5	8/16/2019 14:15	29.82	81.0	6.07	6.9	SR5	8/16/2019 20:15	28.88	81.3	6.12	5.5
SR5	8/16/2019 2:20	29.33	92.7	6.92	5.7	SR5	8/16/2019 8:20	27.87	93.5	7.01	5.1	SR5	8/16/2019 14:20	29.83	82.4	6.18	6.5	SR5	8/16/2019 20:20	28.57	82.7	6.23	6.3
SR5	8/16/2019 2:25	29.38	93.9	7.09	5.6	SR5	8/16/2019 8:25	27.85	86.6	6.34	5.4	SR5	8/16/2019 14:25	29.81	78.1	5.85	6.2	SR5	8/16/2019 20:25	28.71	81.8	6.16	7.4
SR5	8/16/2019 2:30	29.35	91.2	6.82	4.1	SR5	8/16/2019 8:30	27.84	88.3	6.53	6.0	SR5	8/16/2019 14:30	29.86	79.6	5.97	6.6	SR5	8/16/2019 20:30	28.64	83.8	6.31	6.8
SR5	8/16/2019 2:35	29.37	95.5	7.24	5.7	SR5	8/16/2019 8:35	27.78	88.7	6.54	6.0	SR5	8/16/2019 14:35	29.83	79.7	5.98	7.1	SR5	8/16/2019 20:35	28.35	81.5	6.13	5.9
SR5	8/16/2019 2:40	29.35	95.4	7.16	5.3	SR5	8/16/2019 8:40	27.75	90.7	6.75	5.9	SR5	8/16/2019 14:40	29.74	81.3	6.13	6.6	SR5	8/16/2019 20:40	28.42	83.5	6.28	6.5
SR5	8/16/2019 2:45	29.35	94.6	7.10	4.5	SR5	8/16/2019 8:45	27.71	89.3	6.61	4.9	SR5	8/16/2019 14:45	29.80	83.0	6.23	5.4	SR5	8/16/2019 20:45	28.80	81.4	6.13	7.7
SR5	8/16/2019 2:50	29.36	95.5	7.18	4.5	SR5	8/16/2019 8:50	27.71	92.1	6.88	5.2	SR5	8/16/2019 14:50	29.76	78.9	5.92	4.9	SR5	8/16/2019 20:50	28.35	82.4	6.20	6.8
SR5	8/16/2019 2:55	29.38	91.3	6.77	5.9	SR5	8/16/2019 8:55	27.70	92.5	6.88	6.4	SR5	8/16/2019 14:55	29.86	79.6	5.97	4.8	SR5	8/16/2019 20:55	28.27	84.0	6.33	6.9
SR5	8/16/2019 3:00	29.44	91.4	6.83	6.4	SR5	8/16/2019 9:00	27.68	88.4	6.53	6.9	SR5	8/16/2019 15:00	29.85	78.6	5.89	4.5	SR5	8/16/2019 21:00	28.24	80.7	6.07	5.6
SR5	8/16/2019 3:05	29.43	90.9	6.78	3.9	SR5	8/16/2019 9:05	27.65	89.5	6.59	6.2	SR5	8/16/2019 15:05	29.83	77.5	5.83	5.3	SR5	8/16/2019 21:05	28.24	82.2	6.18	6.3
SR5	8/16/2019 3:10	29.48	90.5	6.72	4.8	SR5	8/16/2019 9:10	27.63	89.5	6.59	5.0	SR5	8/16/2019 15:10	29.83	80.3	6.02	6.1	SR5	8/16/2019 21:10	28.22	78.8	5.93	5.2
SR5	8/16/2019 3:15	29.49	90.0	6.68	5.6	SR5	8/16/2019 9:15	27.63	92.2	6.85	4.4	SR5	8/16/2019 15:15	29.83	81.9	6.17	5.9	SR5	8/16/2019 21:15	28.21	78.3	5.87	5.2
SR5	8/16/2019 3:20	29.53	90.0	6.66	4.3	SR5	8/16/2019 9:20	27.66	88.8	6.58	5.7	SR5	8/16/2019 15:20	29.75	82.3	6.19	4.9	SR5	8/16/2019 21:20	28.19	79.5	5.99	6.3
SR5	8/16/2019 3:25	29.58	90.7	6.74	7.0	SR5	8/16/2019 9:25	27.60	91.7	6.85	5.7	SR5	8/16/2019 15:25	29.77	78.7	5.93	5.9	SR5	8/16/2019 21:25	28.17	82.2	6.16	5.8
SR5	8/16/2019 3:30	29.53	91.0	6.76	5.2	SR5	8/16/2019 9:30	27.60	97.9	5.83	5.5	SR5	8/16/2019 15:30	29.77	84.6	6.37	5.0	SR5	8/16/2019 21:30	28.15	81.1	6.08	7.2
SR5	8/16/2019 3:35	29.51	94.4	7.06	3.8	SR5	8/16/2019 9:35	27.59	76.2	5.71	7.0	SR5	8/16/2019 15:35	29.76	82.4	6.20	4.9	SR5	8/16/2019 21:35	28.16	86.5	6.51	5.5
SR5	8/16/2019 3:40	29.56	89.9	6.67	4.9	SR5	8/16/2019 9:40	27.61	78.3	5.87	5.7	SR5	8/16/2019 15:40	29.70	81.3	6.12	5.5	SR5	8/16/2019 21:40	28.13	86.7	6.52	6.8
SR5	8/16/2019 3:45	29.53	90.1	6.65	4.4	SR5	8/16/2019 9:45	27.67	77.1	5.81	5.9	SR5	8/16/2019 15:45	29.67	80.7	6.07	6.1	SR5	8/16/2019 21:45	28.13	80.5	6.06	4.9
SR5	8/16/2019 3:50	29.55	91.1	6.76	4.6	SR5	8/16/2019 9:50	27.99	75.5	5.66	7.1	SR5	8/16/2019 15:50	29.64	78.0	5.87	6.7	SR5	8/16/2019 21:50	28.13	85.9	6.46	4.8
SR5	8/16/2019 3:55	29.55	89.9	6.70	6.0	SR5	8/16/2019 9:55	28															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/16/2019 0:01	29.09	62.5	4.68	6.1	SR12	8/16/2019 6:01	28.50	64.5	4.83	7.5	SR12	8/16/2019 12:01	28.55	59.4	4.43	6.1	SR12	8/16/2019 18:01	28.84	84.0	6.27	6.3
SR12	8/16/2019 0:06	29.08	65.5	4.90	6.9	SR12	8/16/2019 6:06	28.55	69.2	5.18	7.8	SR12	8/16/2019 12:06	28.54	57.0	4.25	7.4	SR12	8/16/2019 18:06	28.84	77.9	5.81	7.1
SR12	8/16/2019 0:11	29.11	68.0	5.09	6.7	SR12	8/16/2019 6:11	28.26	68.5	5.13	7.3	SR12	8/16/2019 12:11	28.36	68.2	5.09	6.5	SR12	8/16/2019 18:11	28.86	75.8	5.66	7.1
SR12	8/16/2019 0:16	29.10	67.6	5.06	7.4	SR12	8/16/2019 6:16	28.21	64.9	4.86	7.0	SR12	8/16/2019 12:16	28.48	74.0	5.52	7.4	SR12	8/16/2019 18:16	28.86	82.7	6.17	7.2
SR12	8/16/2019 0:21	29.04	65.9	4.93	5.9	SR12	8/16/2019 6:21	27.98	62.3	4.66	5.2	SR12	8/16/2019 12:21	28.39	71.4	5.33	5.3	SR12	8/16/2019 18:21	28.86	79.6	5.94	7.3
SR12	8/16/2019 0:26	29.04	67.3	5.04	6.1	SR12	8/16/2019 6:26	27.93	62.5	4.68	6.9	SR12	8/16/2019 12:26	28.43	72.8	5.43	6.0	SR12	8/16/2019 18:26	28.88	79.6	5.94	7.8
SR12	8/16/2019 0:31	28.97	65.7	4.92	7.6	SR12	8/16/2019 6:31	27.88	67.9	5.08	7.4	SR12	8/16/2019 12:31	28.47	77.5	5.78	7.0	SR12	8/16/2019 18:31	28.89	77.1	5.75	7.4
SR12	8/16/2019 0:36	29.06	63.3	4.74	5.9	SR12	8/16/2019 6:36	27.83	66.7	4.99	6.6	SR12	8/16/2019 12:36	28.36	72.6	5.42	6.3	SR12	8/16/2019 18:36	28.89	75.8	5.66	8.0
SR12	8/16/2019 0:41	29.08	65.7	4.92	6.8	SR12	8/16/2019 6:41	27.85	66.1	4.95	6.1	SR12	8/16/2019 12:41	28.37	74.4	5.55	5.6	SR12	8/16/2019 18:41	28.91	74.0	5.52	7.9
SR12	8/16/2019 0:46	28.89	61.6	4.61	6.5	SR12	8/16/2019 6:46	27.85	68.3	5.11	7.7	SR12	8/16/2019 12:46	28.38	76.2	5.69	6.3	SR12	8/16/2019 18:46	28.91	71.6	5.34	7.9
SR12	8/16/2019 0:51	28.85	64.8	4.85	6.8	SR12	8/16/2019 6:51	27.91	67.7	5.07	6.1	SR12	8/16/2019 12:51	28.38	75.2	5.61	6.5	SR12	8/16/2019 18:51	28.90	77.1	5.75	8.0
SR12	8/16/2019 0:56	28.88	62.5	4.68	7.3	SR12	8/16/2019 6:56	27.89	62.7	4.69	6.4	SR12	8/16/2019 12:56	28.19	68.7	5.13	7.1	SR12	8/16/2019 18:56	28.91	74.4	5.55	7.3
SR12	8/16/2019 1:01	28.95	66.6	4.91	7.6	SR12	8/16/2019 7:01	27.93	66.8	5.00	7.5	SR12	8/16/2019 13:01	28.36	75.8	5.66	6.9	SR12	8/16/2019 19:01	28.91	69.8	5.21	7.2
SR12	8/16/2019 1:06	28.93	63.7	4.77	7.7	SR12	8/16/2019 7:06	27.92	63.9	4.78	7.9	SR12	8/16/2019 13:06	28.32	72.6	5.42	5.3	SR12	8/16/2019 19:06	28.91	68.7	5.13	7.6
SR12	8/16/2019 1:11	28.86	62.8	4.70	6.0	SR12	8/16/2019 7:11	27.94	66.5	4.98	6.4	SR12	8/16/2019 13:11	28.25	71.8	5.36	5.7	SR12	8/16/2019 19:11	28.91	72.4	5.40	7.4
SR12	8/16/2019 1:16	28.82	69.5	5.20	6.7	SR12	8/16/2019 7:16	27.85	68.3	5.11	7.0	SR12	8/16/2019 13:16	28.05	63.5	4.74	6.4	SR12	8/16/2019 19:16	28.91	69.8	5.21	8.9
SR12	8/16/2019 1:21	28.75	69.5	5.20	7.2	SR12	8/16/2019 7:21	27.73	68.5	5.13	7.8	SR12					SR12	8/16/2019 19:21	28.90	72.4	5.40	6.9	
SR12	8/16/2019 1:26	28.91	68.1	5.10	6.3	SR12	8/16/2019 7:26	27.66	63.9	4.78	5.5	SR12					SR12	8/16/2019 19:26	28.90	74.6	5.57	7.5	
SR12	8/16/2019 1:31	28.90	69.3	5.19	6.7	SR12	8/16/2019 7:31	27.57	62.0	4.64	7.4	SR12					SR12	8/16/2019 19:31	28.90	77.1	5.75	8.5	
SR12	8/16/2019 1:36	28.87	61.6	4.61	6.6	SR12	8/16/2019 7:36	27.47	63.1	4.72	5.7	SR12					SR12	8/16/2019 19:36	28.90	69.8	5.21	7.5	
SR12	8/16/2019 1:41	28.91	65.5	4.90	5.8	SR12	8/16/2019 7:41	27.38	64.9	4.86	6.7	SR12					SR12	8/16/2019 19:41	28.87	73.8	5.51	8.0	
SR12	8/16/2019 1:46	28.93	69.1	5.17	6.2	SR12	8/16/2019 7:46	27.60	66.5	4.98	6.2	SR12					SR12	8/16/2019 19:46	28.89	69.9	5.22	7.7	
SR12	8/16/2019 1:51	28.92	68.3	5.11	7.3	SR12	8/16/2019 7:51	27.76	68.7	5.14	7.5	SR12					SR12	8/16/2019 19:51	28.89	74.4	5.55	8.3	
SR12	8/16/2019 1:56	29.00	65.3	4.89	6.1	SR12	8/16/2019 7:56	27.75	67.7	5.07	5.2	SR12					SR12	8/16/2019 19:56	28.89	72.6	5.42	8.3	
SR12	8/16/2019 2:01	28.96	67.6	5.06	6.9	SR12	8/16/2019 8:01	27.72	62.1	4.65	6.6	SR12					SR12	8/16/2019 20:01	28.88	68.7	5.13	7.4	
SR12	8/16/2019 2:06	28.95	68.9	5.16	8.1	SR12	8/16/2019 8:06	27.74	61.7	4.62	7.0	SR12					SR12	8/16/2019 20:06	28.77	62.2	4.64	8.4	
SR12	8/16/2019 2:11	28.96	65.3	4.89	6.3	SR12	8/16/2019 8:11	27.72	65.5	4.90	5.4	SR12					SR12	8/16/2019 20:11	28.87	70.6	5.27	7.2	
SR12	8/16/2019 2:16	28.89	68.0	5.09	8.0	SR12	8/16/2019 8:16	27.70	67.2	5.03	5.6	SR12					SR12	8/16/2019 20:16	28.85	67.4	5.03	7.4	
SR12	8/16/2019 2:21	28.93	66.9	5.01	7.9	SR12	8/16/2019 8:21	27.72	63.3	4.74	5.9	SR12					SR12	8/16/2019 20:21	28.88	72.4	5.40	8.0	
SR12	8/16/2019 2:26	28.94	63.9	4.78	6.2	SR12	8/16/2019 8:26	27.74	64.1	4.80	6.6	SR12	8/16/2019 14:26	28.27	81.2	6.06	5.9	SR12	8/16/2019 20:26	28.85	64.2	4.79	8.2
SR12	8/16/2019 2:31	28.86	65.1	4.87	7.4	SR12	8/16/2019 8:31	27.67	65.5	4.90	5.7	SR12	8/16/2019 14:31	28.26	78.8	5.88	5.9	SR12	8/16/2019 20:31	28.80	70.6	5.27	9.1
SR12	8/16/2019 2:36	28.85	69.5	5.20	6.8	SR12	8/16/2019 8:36	27.65	64.3	4.81	6.3	SR12	8/16/2019 14:36	28.26	75.4	5.63	7.6	SR12	8/16/2019 20:36	28.77	67.8	5.06	7.8
SR12	8/16/2019 2:41	28.96	61.9	4.63	7.5	SR12	8/16/2019 8:41	27.57	62.3	4.66	5.1	SR12	8/16/2019 14:41	28.24	74.4	5.55	6.6	SR12	8/16/2019 20:41	28.33	59.0	4.40	7.4
SR12	8/16/2019 2:46	28.81	67.5	5.05	6.5	SR12	8/16/2019 8:46	27.59	68.9	5.16	5.6	SR12	8/16/2019 14:46	28.23	78.3	5.84	6.3	SR12	8/16/2019 20:46	28.32	55.3	4.13	7.5
SR12	8/16/2019 2:51	28.95	62.3	4.66	7.2	SR12	8/16/2019 8:51	27.63	68.9	5.16	6.0	SR12	8/16/2019 14:51	28.25	76.4	5.70	7.3	SR12	8/16/2019 20:51	28.28	56.1	4.19	8.6
SR12	8/16/2019 2:56	28.93	68.5	5.13	7.5	SR12	8/16/2019 8:56	27.71	61.9	4.63	5.9	SR12	8/16/2019 14:56	28.25	75.8	5.66	7.3	SR12	8/16/2019 20:56	28.37	58.2	4.34	9.0
SR12	8/16/2019 3:01	28.79	66.3	4.96	7.9	SR12	8/16/2019 9:01	27.66	66.7	4.99	6.2	SR12	8/16/2019 15:01	28.28	75.8	5.66	6.6	SR12	8/16/2019 21:01	28.07	59.1	4.41	7.9
SR12	8/16/2019 3:06	28.86	62.9	4.71	6.6	SR12	8/16/2019 9:06	27.67	64.9	4.86	7.0	SR12	8/16/2019 15:06	28.33	71.4	5.33	7.4	SR12	8/16/2019 21:06	27.98	61.5	4.59	7.9
SR12	8/16/2019 3:11	28.81	64.7	4.84	6.7	SR12	8/16/2019 9:11	27.70	62.7	4.69	7.0	SR12	8/16/2019 15:11	28.35	76.2	5.69	7.0	SR12	8/16/2019 21:11	27.95	59.4	4.43	7.5
SR12	8/16/2019 3:16	28.71	65.6	4.91	6.1	SR12	8/16/2019 9:16	27.76	64.1	4.80	5.6	SR12	8/16/2019 15:16	28.37	74.0	5.52	7.7	SR12	8/16/2019 21:16	27.84	53.1	3.96	7.1
SR12	8/16/2019 3:21	28.83	62.0	4.64	5.5	SR12	8/16/2019 9:21	27.80	67.3	5.04	6.1	SR12	8/16/2019 15:21	28.37	72.6	5.42	7.4	SR12	8/16/2019 21:21	27.89	57.4	4.28	6.5
SR12	8/16/2019 3:26	28.86	64.5	4.83	7.5	SR12	8/16/2019 9:26	27.65	62.5	4.68	7.4	SR12	8/16/2019 15:26	28.39	75.4	5.63	7.0	SR12	8/16/2019 21:26	27.94	54.3	4.05	6.5
SR12	8/16/2019 3:31	28.78	68.3	5.11	7.2	SR12	8/16/2019 9:31	27.81	69.5	5.20	5.5	SR12	8/16/2019 15:31	28.42	79.5	5.93	6.9	SR12	8/16/2019 21:31	28.18	53.9	4.02	8.0
SR12	8/16/2019 3:36	28.71	69.2	5.18	7.7	SR12	8/16/2019 9:36	27.80	67.5	5.05	7.5	SR12	8/16/2019 15:36	28.44	75.4	5.63	7.9	SR12	8/16/2019 21:36	28.42	59.5	4.44	6.2
SR12	8/16/2019 3:41	28.85	62.3	4.66	5.1	SR12	8/16/2019 9:41	27.71	62.5	4.68	5.4	SR12	8/16/2019 15:41	28.49	76.4	5.70	7.2	SR12	8/16/2019 21:41	28.36	59.1	4.41	8.3
SR12	8/16/2019 3:46	28.86	65.1	4.87	2.6	SR12	8/16/2019 9:46	27.90	62.0	4.64	5.7	SR12	8/16/2019 15:46	28.51	73.4	5.48	7.1	SR12	8/16/2019 21:46	28.34	54.1	4.04	7.1
SR12	8/16/2019 3:51	28.79	67.9	5.08	6.1	SR12	8/16/2019 9:51	28.18	63.3	4.74	6.2	SR12	8/16/2019 15:51	28.53	75.0	5.60	6.9	SR12	8/16/2019 21:51	28.48	56.3	4.20	7.9
SR12	8/16/2019 3:56	28.79	66.9	5.01	7.3	SR12	8/16/2019 9:56	28.27	69.8	5.21	5.6	SR12	8/16/2019 15:56	28.54	74.0	5.52	7.7	SR12	8/16/2019 21:56	28.40	60.2	4.49	9.7
SR12	8/16/2019 4:01	28.80	61.5	4.60	6.1	SR12	8/16/2019 10:01	28.45	68.2	5.09	5.5	SR12	8/16/2019 16:01	28.55									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/16/2019 0:00	29.07	82.0	6.17	5.1	SR13	8/16/2019 6:00	28.82	79.9	5.98	7.3	SR13	8/16/2019 12:00	29.08	84.5	6.37	6.7	SR13	8/16/2019 18:00	29.71	81.3	6.14	6.4
SR13	8/16/2019 0:05	28.91	79.2	5.94	4.7	SR13	8/16/2019 6:05	28.80	80.4	6.02	6.1	SR13	8/16/2019 12:05	29.11	87.3	6.60	7.0	SR13	8/16/2019 18:05	29.69	80.8	6.10	6.6
SR13	8/16/2019 0:10	29.08	81.4	6.11	5.5	SR13	8/16/2019 6:10	28.76	78.3	5.83	7.4	SR13	8/16/2019 12:10	29.26	82.9	6.25	7.1	SR13	8/16/2019 18:10	29.67	79.4	6.00	7.5
SR13	8/16/2019 0:15	29.10	77.8	5.85	5.5	SR13	8/16/2019 6:15	28.72	77.4	5.78	6.3	SR13	8/16/2019 12:15	29.35	84.9	6.40	7.4	SR13	8/16/2019 18:15	29.73	83.8	6.33	6.7
SR13	8/16/2019 0:20	29.11	81.9	6.18	4.7	SR13	8/16/2019 6:20	28.66	80.1	6.00	6.4	SR13	8/16/2019 12:20	29.31	82.8	6.24	6.9	SR13	8/16/2019 18:20	29.67	85.8	6.48	6.3
SR13	8/16/2019 0:25	29.18	82.0	6.16	5.5	SR13	8/16/2019 6:25	28.76	80.8	6.06	6.7	SR13	8/16/2019 12:25	29.42	80.1	6.04	6.4	SR13	8/16/2019 18:25	29.70	82.6	6.24	7.3
SR13	8/16/2019 0:30	29.21	80.8	6.08	5.8	SR13	8/16/2019 6:30	28.79	79.7	5.95	7.4	SR13	8/16/2019 12:30	29.57	84.2	6.36	8.1	SR13	8/16/2019 18:30	29.80	83.5	6.30	6.5
SR13	8/16/2019 0:35	29.24	80.6	6.08	5.5	SR13	8/16/2019 6:35	28.77	80.6	6.04	6.1	SR13	8/16/2019 12:35	29.58	84.3	6.35	7.7	SR13	8/16/2019 18:35	29.78	84.6	6.39	6.2
SR13	8/16/2019 0:40	29.22	81.9	6.16	5.6	SR13	8/16/2019 6:40	28.73	80.4	6.04	6.8	SR13	8/16/2019 12:40	29.58	83.0	6.26	6.8	SR13	8/16/2019 18:40	29.79	83.8	6.33	6.4
SR13	8/16/2019 0:45	29.19	79.7	5.97	5.9	SR13	8/16/2019 6:45	28.69	77.8	5.83	6.3	SR13	8/16/2019 12:45	29.53	86.5	6.52	6.6	SR13	8/16/2019 18:45	29.84	85.6	6.46	7.3
SR13	8/16/2019 0:50	29.21	80.4	6.06	6.1	SR13	8/16/2019 6:50	28.63	80.2	6.00	6.2	SR13	8/16/2019 12:50	29.50	87.3	6.58	6.9	SR13	8/16/2019 18:50	29.87	85.2	6.43	6.4
SR13	8/16/2019 0:55	29.17	81.0	6.07	6.2	SR13	8/16/2019 6:55	28.41	79.6	5.97	6.1	SR13	8/16/2019 12:55	29.55	84.0	6.35	6.7	SR13	8/16/2019 18:55	29.85	82.2	6.20	6.2
SR13	8/16/2019 1:00	29.18	80.1	6.02	6.1	SR13	8/16/2019 7:00	28.36	79.8	5.98	5.9	SR13	8/16/2019 13:00	29.52	81.2	6.12	7.3	SR13	8/16/2019 19:00	29.87	87.6	6.62	6.2
SR13	8/16/2019 1:05	29.18	79.5	5.98	5.7	SR13	8/16/2019 7:05	28.37	78.5	5.88	6.9	SR13	8/16/2019 13:05	29.46	82.0	6.19	7.0	SR13	8/16/2019 19:05	29.94	84.5	6.38	6.4
SR13	8/16/2019 1:10	29.14	80.5	6.06	5.5	SR13	8/16/2019 7:10	28.32	81.4	6.09	5.2	SR13	8/16/2019 13:10	29.43	80.6	6.07	7.6	SR13	8/16/2019 19:10	29.91	86.1	6.49	6.1
SR13	8/16/2019 1:15	29.10	81.3	6.11	6.3	SR13	8/16/2019 7:15	28.29	79.3	5.93	6.1	SR13	8/16/2019 13:15	29.46	85.3	6.43	6.8	SR13	8/16/2019 19:15	29.87	83.7	6.31	7.6
SR13	8/16/2019 1:20	29.16	78.4	5.88	6.5	SR13	8/16/2019 7:20	28.23	77.9	5.81	5.0	SR13	8/16/2019 13:20	29.45	87.3	6.58	6.7	SR13	8/16/2019 19:20	29.87	82.6	6.22	6.0
SR13	8/16/2019 1:25	29.10	81.9	6.15	6.6	SR13	8/16/2019 7:25	28.25	80.5	6.03	5.6	SR13	8/16/2019 13:25	29.53	81.9	6.19	7.2	SR13	8/16/2019 19:25	29.87	83.5	6.29	6.3
SR13	8/16/2019 1:30	29.22	78.7	5.91	6.3	SR13	8/16/2019 7:30	28.27	82.6	6.18	5.4	SR13	8/16/2019 13:30	29.50	84.0	6.33	7.1	SR13	8/16/2019 19:30	29.86	84.4	6.36	5.5
SR13	8/16/2019 1:35	29.21	80.3	6.03	6.6	SR13	8/16/2019 7:35	28.29	77.5	5.78	5.1	SR13	8/16/2019 13:35	29.53	85.6	6.47	7.1	SR13	8/16/2019 19:35	29.84	84.6	6.38	6.2
SR13	8/16/2019 1:40	29.18	81.3	6.11	7.2	SR13	8/16/2019 7:40	28.26	79.8	5.95	5.6	SR13	8/16/2019 13:40	29.64	82.6	6.24	6.7	SR13	8/16/2019 19:40	29.84	83.1	6.26	5.9
SR13	8/16/2019 1:45	29.22	79.9	6.03	6.2	SR13	8/16/2019 7:45	28.25	80.8	6.06	5.9	SR13	8/16/2019 13:45	29.50	81.1	6.11	7.4	SR13	8/16/2019 19:45	29.86	86.5	6.53	7.1
SR13	8/16/2019 1:50	29.18	81.6	6.15	5.9	SR13	8/16/2019 7:50	28.25	79.8	5.99	6.2	SR13	8/16/2019 13:50	29.62	83.5	6.29	6.8	SR13	8/16/2019 19:50	29.86	85.4	6.45	6.0
SR13	8/16/2019 1:55	29.13	79.5	5.99	5.3	SR13	8/16/2019 7:55	28.29	80.6	6.04	4.9	SR13	8/16/2019 13:55	29.67	83.3	6.28	7.7	SR13	8/16/2019 19:55	29.88	83.7	6.32	7.0
SR13	8/16/2019 2:00	29.18	79.0	5.96	5.1	SR13	8/16/2019 8:00	28.30	81.1	6.08	5.8	SR13	8/16/2019 14:00	29.67	82.9	6.25	7.4	SR13	8/16/2019 20:00	29.82	88.1	6.65	6.8
SR13	8/16/2019 2:05	29.21	78.9	5.93	6.9	SR13	8/16/2019 8:05	28.25	78.0	5.84	6.6	SR13	8/16/2019 14:05	29.65	80.6	6.08	7.7	SR13	8/16/2019 20:05	29.81	80.8	6.10	8.0
SR13	8/16/2019 2:10	29.19	82.2	6.16	5.8	SR13	8/16/2019 8:10	28.28	82.1	6.17	6.1	SR13	8/16/2019 14:10	29.66	85.8	6.47	6.3	SR13	8/16/2019 20:10	29.77	82.4	6.22	7.1
SR13	8/16/2019 2:15	29.18	82.2	6.18	6.8	SR13	8/16/2019 8:15	28.27	80.6	6.05	6.0	SR13	8/16/2019 14:15	29.62	84.7	6.40	8.0	SR13	8/16/2019 20:15	29.80	85.8	6.48	7.1
SR13	8/16/2019 2:20	29.24	79.2	5.94	5.1	SR13	8/16/2019 8:20	28.22	80.4	6.04	5.4	SR13	8/16/2019 14:20	29.61	83.1	6.27	7.4	SR13	8/16/2019 20:20	29.82	84.2	6.36	6.9
SR13	8/16/2019 2:25	29.26	80.2	6.04	4.2	SR13	8/16/2019 8:25	28.29	77.3	5.75	5.7	SR13	8/16/2019 14:25	29.59	83.6	6.30	8.0	SR13	8/16/2019 20:25	29.82	79.9	6.03	6.5
SR13	8/16/2019 2:30	29.23	80.2	6.02	5.5	SR13	8/16/2019 8:30	28.40	78.4	5.86	6.0	SR13	8/16/2019 14:30	29.53	83.2	6.27	7.6	SR13	8/16/2019 20:30	29.83	83.4	6.30	6.4
SR13	8/16/2019 2:35	29.24	82.0	6.19	6.2	SR13	8/16/2019 8:35	29.14	90.0	6.75	6.3	SR13	8/16/2019 14:35	29.57	85.8	6.46	7.6	SR13	8/16/2019 20:35	29.82	81.3	6.14	5.6
SR13	8/16/2019 2:40	29.24	77.7	5.84	5.7	SR13	8/16/2019 8:40	29.13	91.4	6.89	5.8	SR13	8/16/2019 14:40	29.59	84.4	6.36	6.9	SR13	8/16/2019 20:40	29.82	80.0	6.05	6.4
SR13	8/16/2019 2:45	29.23	79.8	6.00	5.4	SR13	8/16/2019 8:45	29.11	87.8	6.60	4.8	SR13	8/16/2019 14:45	29.67	82.3	6.22	6.6	SR13	8/16/2019 20:45	29.81	81.0	6.10	5.6
SR13	8/16/2019 2:50	29.22	80.5	6.06	5.5	SR13	8/16/2019 8:50	29.10	89.5	6.75	5.4	SR13	8/16/2019 14:50	29.66	85.7	6.48	7.1	SR13	8/16/2019 20:50	29.82	84.0	6.35	6.1
SR13	8/16/2019 2:55	29.23	79.9	5.98	6.8	SR13	8/16/2019 8:55	29.10	89.4	6.73	6.7	SR13	8/16/2019 14:55	29.63	81.6	6.15	6.7	SR13	8/16/2019 20:55	29.82	79.8	6.03	6.0
SR13	8/16/2019 3:00	29.24	77.1	5.78	6.0	SR13	8/16/2019 9:00	29.09	87.5	6.57	6.0	SR13	8/16/2019 15:00	29.62	81.8	6.17	6.7	SR13	8/16/2019 21:00	29.79	82.7	6.25	6.4
SR13	8/16/2019 3:05	29.21	78.3	5.87	6.0	SR13	8/16/2019 9:05	29.09	90.8	6.81	6.4	SR13	8/16/2019 15:05	29.67	83.4	6.28	6.6	SR13	8/16/2019 21:05	29.80	80.8	6.09	6.1
SR13	8/16/2019 3:10	29.22	77.2	5.78	5.4	SR13	8/16/2019 9:10	29.08	87.5	6.57	4.5	SR13	8/16/2019 15:10	29.71	85.6	6.45	6.3	SR13	8/16/2019 21:10	29.79	81.7	6.16	6.0
SR13	8/16/2019 3:15	29.20	79.3	5.93	6.8	SR13	8/16/2019 9:15	29.07	88.1	6.63	4.6	SR13	8/16/2019 15:15	29.71	84.2	6.35	6.5	SR13	8/16/2019 21:15	29.74	84.3	6.35	6.1
SR13	8/16/2019 3:20	29.23	76.1	5.69	5.8	SR13	8/16/2019 9:20	29.07	85.2	6.41	5.5	SR13	8/16/2019 15:20	29.75	83.7	6.33	7.1	SR13	8/16/2019 21:20	29.77	78.8	5.94	6.1
SR13	8/16/2019 3:25	29.20	79.3	5.94	6.6	SR13	8/16/2019 9:25	29.07	87.5	6.60	5.0	SR13	8/16/2019 15:25	29.79	83.9	6.32	6.3	SR13	8/16/2019 21:25	29.69	80.2	6.06	7.1
SR13	8/16/2019 3:30	29.20	77.0	5.76	6.0	SR13	8/16/2019 9:30	29.48	91.4	6.85	5.8	SR13	8/16/2019 15:30	29.75	84.1	6.34	6.8	SR13	8/16/2019 21:30	29.65	80.6	6.09	7.2
SR13	8/16/2019 3:35	29.21	80.6	6.05	5.4	SR13	8/16/2019 9:35	29.45	91.6	6.87	7.6	SR13	8/16/2019 15:35	29.74	83.2	6.27	7.4	SR13	8/16/2019 21:35	29.56	84.4	6.37	6.1
SR13	8/16/2019 3:40	29.23	80.8	6.05	5.8	SR13	8/16/2019 9:40	29.41	91.7	6.86	6.1	SR13	8/16/2019 15:40	29.76	85.2	6.42	6.6	SR13	8/16/2019 21:40	29.65	85.9	6.49	6.4
SR13	8/16/2019 3:45	29.21	77.6	5.79	5.6	SR13	8/16/2019 9:45	29.41	92.5	6.95	6.3	SR13	8/16/2019 15:45	29.74	81.7	6.16	6.9	SR13	8/16/2019 21:45	29.45	81.6	6.16	6.4
SR13	8/16/2019 3:50	29.17	76.4	5.71	5.5	SR13	8/16/2019 9:50	29.40	91.8	6.88	6.9	SR13	8/16/2019 15:50	29.71									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/16/2019 0:17	0.27				SR12	8/16/2019 0:17	0.23			
SR4	8/16/2019 0:37	0.29				SR12	8/16/2019 0:37	0.22			
SR4	8/16/2019 0:57	0.28				SR12	8/16/2019 0:57	0.23			
SR4	8/16/2019 1:17	0.27				SR12	8/16/2019 1:17	0.22			
SR4	8/16/2019 1:37	0.28				SR12	8/16/2019 1:37	0.22			
SR4	8/16/2019 1:57	0.29				SR12	8/16/2019 1:57	0.23			
SR4	8/16/2019 2:17	0.29				SR12	8/16/2019 2:17	0.23			
SR4	8/16/2019 2:37	0.29				SR12	8/16/2019 2:37	0.23			
SR4	8/16/2019 2:57	0.27				SR12	8/16/2019 2:57	0.23			
SR4	8/16/2019 3:17	0.27				SR12	8/16/2019 3:17	0.24			
SR4	8/16/2019 3:37	0.28				SR12	8/16/2019 3:37	0.24			
SR4	8/16/2019 3:57	0.28				SR12	8/16/2019 3:57	0.24			
SR4	8/16/2019 4:17	0.27				SR12	8/16/2019 4:17	0.23			
SR4	8/16/2019 4:37	0.29				SR12	8/16/2019 4:37	0.24			
SR4	8/16/2019 4:57	0.30				SR12	8/16/2019 4:57	0.25			
SR4	8/16/2019 5:17	0.32				SR12	8/16/2019 5:17	0.27			
SR4	8/16/2019 5:37	0.31				SR12	8/16/2019 5:37	0.27			
SR4	8/16/2019 5:57	0.30				SR12	8/16/2019 5:57	0.25			
SR4						SR12					
SR4	8/16/2019 6:37	0.30				SR12	8/16/2019 6:37	0.27			
SR4	8/16/2019 6:57	0.32				SR12	8/16/2019 6:57	0.26			
SR4	8/16/2019 7:17	0.31				SR12	8/16/2019 7:17	0.26			
SR4	8/16/2019 7:37	0.30				SR12	8/16/2019 7:37	0.26			
SR4	8/16/2019 7:57	0.32				SR12	8/16/2019 7:57	0.26			
SR4	8/16/2019 8:17	0.30				SR12	8/16/2019 8:17	0.27			
SR4	8/16/2019 8:37	0.30				SR12	8/16/2019 8:37	0.28			
SR4	8/16/2019 8:57	0.32				SR12	8/16/2019 8:57	0.29			
SR4	8/16/2019 9:17	0.34				SR12	8/16/2019 9:17	0.28			
SR4	8/16/2019 9:37	0.35				SR12	8/16/2019 9:37	0.28			
SR4	8/16/2019 9:57	0.34				SR12	8/16/2019 9:57	0.30			
SR4	8/16/2019 10:17	0.33				SR12	8/16/2019 10:17	0.33			
SR4						SR12	8/16/2019 10:37	0.32			
SR4						SR12	8/16/2019 10:57	0.33			
SR4						SR12	8/16/2019 11:17	0.33			
SR4						SR12	8/16/2019 11:37	0.33			
SR4	8/16/2019 11:57	0.35				SR12	8/16/2019 11:57	0.32			
SR4	8/16/2019 12:17	0.34				SR12	8/16/2019 12:17	0.32			
SR4	8/16/2019 12:37	0.34				SR12	8/16/2019 12:37	0.31			
SR4	8/16/2019 12:57	0.33				SR12	8/16/2019 12:57	0.33			
SR4	8/16/2019 13:17	0.35				SR12					
SR4	8/16/2019 13:37	0.34				SR12					
SR4	8/16/2019 13:57	0.35				SR12					
SR4	8/16/2019 14:17	0.34				SR12					
SR4	8/16/2019 14:37	0.34				SR12					
SR4	8/16/2019 14:57	0.33				SR12	8/16/2019 14:57	0.35			
SR4	8/16/2019 15:17	0.35				SR12	8/16/2019 15:17	0.36			
SR4	8/16/2019 15:37	0.33				SR12	8/16/2019 15:37	0.35			
SR4	8/16/2019 15:57	0.35				SR12	8/16/2019 15:57	0.36			
SR4	8/16/2019 16:17	0.33				SR12	8/16/2019 16:17	0.35			
SR4	8/16/2019 16:37	0.33				SR12	8/16/2019 16:37	0.36			
SR4	8/16/2019 16:57	0.34				SR12	8/16/2019 16:57	0.35			
SR4	8/16/2019 17:17	0.34				SR12	8/16/2019 17:17	0.36			
SR4	8/16/2019 17:37	0.34				SR12	8/16/2019 17:37	0.35			
SR4	8/16/2019 17:57	0.33				SR12	8/16/2019 17:57	0.35			
SR4	8/16/2019 18:17	0.33				SR12	8/16/2019 18:17	0.35			
SR4	8/16/2019 18:37	0.35				SR12	8/16/2019 18:37	0.34			
SR4	8/16/2019 18:57	0.35				SR12	8/16/2019 18:57	0.36			
SR4	8/16/2019 19:17	0.36				SR12	8/16/2019 19:17	0.35			
SR4	8/16/2019 19:37	0.36				SR12	8/16/2019 19:37	0.35			
SR4	8/16/2019 19:57	0.38				SR12	8/16/2019 19:57	0.35			
SR4	8/16/2019 20:17	0.37				SR12	8/16/2019 20:17	0.34			
SR4	8/16/2019 20:37	0.38				SR12	8/16/2019 20:37	0.35			
SR4	8/16/2019 20:57	0.36				SR12	8/16/2019 20:57	0.34			
SR4	8/16/2019 21:17	0.38				SR12	8/16/2019 21:17	0.35			
SR4	8/16/2019 21:37	0.36				SR12	8/16/2019 21:37	0.36			
SR4	8/16/2019 21:57	0.36				SR12	8/16/2019 21:57	0.36			
SR4	8/16/2019 22:17	0.38				SR12	8/16/2019 22:17	0.35			
SR4	8/16/2019 22:37	0.37				SR12	8/16/2019 22:37	0.35			
SR4	8/16/2019 22:57	0.37				SR12	8/16/2019 22:57	0.36			
SR4	8/16/2019 23:17	0.36				SR12	8/16/2019 23:17	0.38			
SR4	8/16/2019 23:37	0.37				SR12	8/16/2019 23:37	0.38			
SR4	8/16/2019 23:57	0.36				SR12	8/16/2019 23:57	0.37			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH₃-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR4 monitoring station was under maintenance during 10:21-11:36.
 SR12 monitoring station was under maintenance during 13:16-14:26.
 SR13 monitoring station was under maintenance during 16:20-16:45.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/17/2019 0:01	29.04	72.2	5.44	7.3	SR4	8/17/2019 6:01	28.97	70.1	5.27	6.8	SR4	8/17/2019 12:01	28.87	68.4	5.15	7.2	SR4	8/17/2019 18:01	29.04	77.3	5.82	7.3
SR4	8/17/2019 0:06	29.01	68.5	5.16	7.8	SR4	8/17/2019 6:06	28.99	74.0	5.57	7.3	SR4	8/17/2019 12:06	28.87	69.8	5.26	7.0	SR4	8/17/2019 18:06	29.02	71.9	5.41	7.9
SR4	8/17/2019 0:11	28.99	67.9	5.12	7.9	SR4	8/17/2019 6:11	28.96	71.4	5.37	7.3	SR4	8/17/2019 12:11	28.94	68.3	5.15	6.9	SR4	8/17/2019 18:11	29.04	75.5	5.68	7.7
SR4	8/17/2019 0:16	29.08	73.1	5.50	8.5	SR4	8/17/2019 6:16	29.00	73.7	5.55	7.5	SR4	8/17/2019 12:16	29.06	70.8	5.33	6.8	SR4	8/17/2019 18:16	28.99	76.5	5.76	7.9
SR4	8/17/2019 0:21	29.03	75.4	5.68	7.7	SR4	8/17/2019 6:21	28.99	70.9	5.34	8.1	SR4	8/17/2019 12:21	28.77	72.7	5.47	7.4	SR4	8/17/2019 18:21	28.94	78.1	5.88	7.5
SR4	8/17/2019 0:26	28.93	73.6	5.54	7.4	SR4	8/17/2019 6:26	28.99	70.0	5.27	6.8	SR4	8/17/2019 12:26	28.55	88.8	6.88	7.3	SR4	8/17/2019 18:26	28.99	81.0	6.10	7.7
SR4	8/17/2019 0:31	28.83	74.5	5.61	7.9	SR4	8/17/2019 6:31	28.98	67.3	5.07	7.3	SR4	8/17/2019 12:31	28.77	72.4	5.45	7.4	SR4	8/17/2019 18:31	29.01	79.5	5.98	7.5
SR4	8/17/2019 0:36	28.79	68.8	5.18	7.3	SR4	8/17/2019 6:36	28.98	65.4	4.92	7.4	SR4	8/17/2019 12:36	28.81	86.3	6.49	7.5	SR4	8/17/2019 18:36	29.08	79.2	5.96	8.1
SR4	8/17/2019 0:41	28.86	72.0	5.42	7.0	SR4	8/17/2019 6:41	28.97	65.1	4.90	6.9	SR4	8/17/2019 12:41	28.62	83.3	6.26	8.0	SR4	8/17/2019 18:41	29.03	80.0	6.02	7.6
SR4	8/17/2019 0:46	28.91	73.0	5.50	6.9	SR4	8/17/2019 6:46	28.83	67.7	5.10	6.5	SR4	8/17/2019 12:46	28.82	70.3	5.29	6.9	SR4	8/17/2019 18:46	29.10	84.1	6.33	7.8
SR4	8/17/2019 0:51	29.04	71.3	5.37	7.5	SR4	8/17/2019 6:51	28.95	70.1	5.27	7.9	SR4	8/17/2019 12:51	28.76	75.3	5.67	8.2	SR4	8/17/2019 18:51	29.22	78.8	5.93	8.7
SR4	8/17/2019 0:56	29.17	72.1	5.43	6.9	SR4	8/17/2019 6:56	28.94	72.1	5.43	7.9	SR4	8/17/2019 12:56	28.72	73.0	5.50	3.1	SR4	8/17/2019 18:56	29.10	79.0	5.95	8.2
SR4	8/17/2019 1:01	29.15	71.6	5.39	7.7	SR4	8/17/2019 7:01	28.89	69.5	5.23	7.9	SR4	8/17/2019 13:01	28.86	73.8	5.56	7.7	SR4	8/17/2019 19:01	29.07	76.9	5.78	7.6
SR4	8/17/2019 1:06	29.13	71.0	5.35	7.7	SR4	8/17/2019 7:06	28.92	69.1	5.20	6.6	SR4	8/17/2019 13:06	28.91	68.7	5.17	6.9	SR4	8/17/2019 19:06	29.11	79.7	6.00	7.7
SR4	8/17/2019 1:11	29.19	70.6	5.32	7.4	SR4	8/17/2019 7:11	28.92	70.9	5.34	6.8	SR4	8/17/2019 13:11	28.98	69.0	5.20	7.5	SR4	8/17/2019 19:11	29.25	78.7	5.93	7.4
SR4	8/17/2019 1:16	29.15	70.1	5.27	8.3	SR4	8/17/2019 7:16	28.81	70.4	5.30	7.3	SR4	8/17/2019 13:16	28.89	73.3	5.52	7.5	SR4	8/17/2019 19:16	29.25	79.5	5.98	7.8
SR4	8/17/2019 1:21	29.05	73.1	5.51	7.3	SR4	8/17/2019 7:21	28.81	66.8	5.03	7.6	SR4	8/17/2019 13:21	29.00	71.5	5.39	7.7	SR4	8/17/2019 19:21	29.26	77.6	5.84	7.6
SR4	8/17/2019 1:26	29.05	78.3	5.89	7.5	SR4	8/17/2019 7:26	28.93	70.1	5.28	8.1	SR4	8/17/2019 13:26	28.87	70.6	5.32	7.5	SR4	8/17/2019 19:26	29.27	76.2	5.74	8.6
SR4	8/17/2019 1:31	29.13	71.4	5.37	6.9	SR4	8/17/2019 7:31	28.80	67.5	5.08	7.2	SR4	8/17/2019 13:31	29.00	71.6	5.40	7.5	SR4	8/17/2019 19:31	29.28	78.3	5.89	8.1
SR4	8/17/2019 1:36	29.10	74.6	5.62	7.1	SR4	8/17/2019 7:36	28.93	74.1	5.58	7.1	SR4	8/17/2019 13:36	28.90	69.9	5.27	6.6	SR4	8/17/2019 19:36	29.29	80.8	6.08	8.1
SR4	8/17/2019 1:41	29.16	73.2	5.51	7.2	SR4	8/17/2019 7:41	28.90	70.3	5.29	7.0	SR4	8/17/2019 13:41	29.24	71.7	5.40	8.1	SR4	8/17/2019 19:41	29.29	79.3	5.96	7.6
SR4	8/17/2019 1:46	29.15	73.8	5.56	7.0	SR4	8/17/2019 7:46	29.01	75.9	5.72	6.5	SR4	8/17/2019 13:46	29.13	74.6	5.62	7.4	SR4	8/17/2019 19:46	29.31	78.0	5.87	8.4
SR4	8/17/2019 1:51	29.19	73.3	5.52	7.8	SR4	8/17/2019 7:51	29.01	73.9	5.56	8.0	SR4	8/17/2019 13:51	29.14	76.1	5.73	6.1	SR4	8/17/2019 19:51	29.32	76.9	5.79	7.3
SR4	8/17/2019 1:56	29.21	72.0	5.42	7.3	SR4	8/17/2019 7:56	28.93	75.6	5.69	7.3	SR4	8/17/2019 13:56	29.38	77.7	5.85	7.4	SR4	8/17/2019 19:56	29.30	74.5	5.61	7.7
SR4	8/17/2019 2:01	29.25	74.4	5.60	7.2	SR4	8/17/2019 8:01	28.96	73.6	5.54	7.0	SR4	8/17/2019 14:01	29.23	75.2	5.66	7.2	SR4	8/17/2019 20:01	29.25	77.0	5.80	7.8
SR4	8/17/2019 2:06	29.24	76.0	5.72	7.9	SR4	8/17/2019 8:06	28.95	71.6	5.39	6.9	SR4	8/17/2019 14:06	29.14	76.8	5.78	7.3	SR4	8/17/2019 20:06	29.19	81.4	6.13	7.4
SR4	8/17/2019 2:11	29.18	76.4	5.75	7.1	SR4	8/17/2019 8:11	28.95	72.7	5.47	7.6	SR4	8/17/2019 14:11	29.23	75.0	5.64	7.7	SR4	8/17/2019 20:11	29.40	82.4	6.20	7.1
SR4	8/17/2019 2:16	29.14	75.2	5.66	8.4	SR4	8/17/2019 8:16	28.92	68.0	5.12	7.3	SR4	8/17/2019 14:16	29.29	75.2	5.66	8.1	SR4	8/17/2019 20:16	29.36	82.5	6.21	8.6
SR4	8/17/2019 2:21	29.15	73.6	5.54	7.4	SR4	8/17/2019 8:21	28.89	65.5	4.93	7.6	SR4	8/17/2019 14:21	29.07	73.4	5.52	6.9	SR4	8/17/2019 20:21	29.20	81.6	6.14	8.0
SR4	8/17/2019 2:26	29.19	77.0	5.80	7.4	SR4	8/17/2019 8:26	28.89	64.9	4.89	7.2	SR4	8/17/2019 14:26	29.33	72.7	5.47	7.2	SR4	8/17/2019 20:26	29.40	80.7	6.07	1.2
SR4	8/17/2019 2:31	29.22	80.3	6.04	7.4	SR4	8/17/2019 8:31	28.80	67.3	5.07	7.0	SR4	8/17/2019 14:31	29.12	71.7	5.40	2.5	SR4	8/17/2019 20:31	29.37	86.4	6.50	2.3
SR4	8/17/2019 2:36	29.20	78.7	5.92	7.5	SR4	8/17/2019 8:36	28.84	67.1	5.05	6.3	SR4	8/17/2019 14:36	29.07	75.7	5.70	7.3	SR4	8/17/2019 20:36	29.24	87.1	6.55	4.4
SR4	8/17/2019 2:41	29.20	75.5	5.68	6.6	SR4	8/17/2019 8:41	28.88	69.2	5.21	7.4	SR4	8/17/2019 14:41	29.33	73.1	5.50	7.6	SR4	8/17/2019 20:41	29.36	84.8	6.38	7.7
SR4	8/17/2019 2:46	29.21	77.0	5.80	7.3	SR4	8/17/2019 8:46	28.89	73.1	5.50	6.9	SR4	8/17/2019 14:46	29.20	73.8	5.55	7.2	SR4	8/17/2019 20:46	29.23	87.7	6.59	7.5
SR4	8/17/2019 2:51	29.25	78.3	5.89	8.4	SR4	8/17/2019 8:51	28.88	67.4	5.08	6.4	SR4	8/17/2019 14:51	29.20	77.6	5.84	6.9	SR4	8/17/2019 20:51	29.36	89.0	6.69	7.3
SR4	8/17/2019 2:56	29.24	73.4	5.52	7.4	SR4	8/17/2019 8:56	28.87	74.5	5.61	6.7	SR4	8/17/2019 14:56	29.27	78.6	5.92	7.6	SR4	8/17/2019 20:56	29.45	82.3	6.19	8.5
SR4	8/17/2019 3:01	29.25	75.2	5.66	7.3	SR4	8/17/2019 9:01	28.90	70.7	5.33	6.3	SR4	8/17/2019 15:01	29.09	75.6	5.69	7.1	SR4	8/17/2019 21:01	29.46	83.0	6.24	7.1
SR4	8/17/2019 3:06	29.26	76.4	5.74	7.3	SR4	8/17/2019 9:06	28.91	76.0	5.72	6.2	SR4	8/17/2019 15:06	29.29	72.2	5.44	7.8	SR4	8/17/2019 21:06	29.47	87.1	6.55	8.4
SR4	8/17/2019 3:11	29.27	73.5	5.53	7.7	SR4	8/17/2019 9:11	28.91	67.5	5.08	6.9	SR4	8/17/2019 15:11	29.20	70.0	5.27	7.3	SR4	8/17/2019 21:11	29.47	84.7	6.37	8.1
SR4	8/17/2019 3:16	29.25	75.6	5.69	8.3	SR4	8/17/2019 9:16	28.95	69.0	5.20	7.2	SR4	8/17/2019 15:16	29.23	76.4	5.75	7.4	SR4	8/17/2019 21:16	29.46	87.0	6.54	7.6
SR4	8/17/2019 3:21	29.25	75.4	5.67	8.2	SR4	8/17/2019 9:21	28.99	71.6	5.39	7.5	SR4	8/17/2019 15:21	29.01	77.3	5.82	6.0	SR4	8/17/2019 21:21	29.47	80.4	6.05	7.5
SR4	8/17/2019 3:26	29.26	72.3	5.44	7.5	SR4	8/17/2019 9:26	28.99	71.6	5.39	6.5	SR4	8/17/2019 15:26	29.15	74.4	5.60	6.5	SR4	8/17/2019 21:26	29.47	80.7	6.07	7.7
SR4	8/17/2019 3:31	29.27	75.1	5.65	7.4	SR4	8/17/2019 9:31	29.00	73.6	5.54	7.2	SR4	8/17/2019 15:31	29.14	69.5	5.24	7.1	SR4	8/17/2019 21:31	29.47	80.0	6.02	7.8
SR4	8/17/2019 3:36	29.25	73.8	5.56	7.8	SR4	8/17/2019 9:36	28.98	68.4	5.15	7.5	SR4	8/17/2019 15:36	29.24	75.8	5.71	7.7	SR4	8/17/2019 21:36	29.43	80.7	6.08	7.2
SR4	8/17/2019 3:41	29.26	72.7	5.47	7.7	SR4	8/17/2019 9:41	28.96	70.3	5.29	7.8	SR4	8/17/2019 15:41	29.03	74.9	5.64	7.8	SR4	8/17/2019 21:41	29.45	79.1	5.95	7.8
SR4	8/17/2019 3:46	29.24	73.5	5.53	7.0	SR4	8/17/2019 9:46	28.96	66.4	5.00	7.7	SR4	8/17/2019 15:46	29.24	75.9	5.72	7.5	SR4	8/17/2019 21:46	29.49	75.2	5.66	8.3
SR4	8/17/2019 3:51	29.23	71.3	5.37	7.5	SR4	8/17/2019 9:51	28.99	73.3	5.52	6.1	SR4	8/17/2019 15:51	29.23	73.6	5.54	7.1	SR4	8/17/2019 21:51	29.41	81.7	6.14	7.5
SR4	8/17/2019 3:56	29.22	69.9	5.26	7.4	SR4	8/17/2019 9:56	28															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/17/2019 0:00	28.79	83.1	6.25	7.1	SR5	8/17/2019 6:00	29.29	77.5	5.81	7.4	SR5	8/17/2019 12:00	28.25	76.6	5.74	7.2	SR5	8/17/2019 18:00	29.49	84.7	6.35	7.9
SR5	8/17/2019 0:05	28.79	79.3	5.97	7.2	SR5	8/17/2019 6:05	29.29	75.6	5.66	7.4	SR5	8/17/2019 12:05	28.59	76.7	5.74	7.0	SR5	8/17/2019 18:05	29.48	83.0	6.22	8.2
SR5	8/17/2019 0:10	28.78	78.9	5.94	7.6	SR5	8/17/2019 6:10	29.28	76.9	5.76	6.6	SR5	8/17/2019 12:10	28.33	77.8	5.83	6.7	SR5	8/17/2019 18:10	29.50	85.2	6.39	7.3
SR5	8/17/2019 0:15	28.77	78.3	5.90	7.8	SR5	8/17/2019 6:15	29.26	77.8	5.83	7.9	SR5	8/17/2019 12:15	28.64	79.9	5.99	6.2	SR5	8/17/2019 18:15	29.54	82.6	6.19	7.4
SR5	8/17/2019 0:20	28.74	78.8	5.93	7.0	SR5	8/17/2019 6:20	29.27	75.8	5.68	6.7	SR5	8/17/2019 12:20	28.74	75.6	5.66	7.3	SR5	8/17/2019 18:20	29.58	82.3	6.17	6.1
SR5	8/17/2019 0:25	28.61	80.2	6.04	8.2	SR5	8/17/2019 6:25	29.25	76.3	5.72	7.5	SR5	8/17/2019 12:25	28.84	77.1	5.78	6.2	SR5	8/17/2019 18:25	29.56	80.0	6.00	8.3
SR5	8/17/2019 0:30	28.60	82.4	6.20	6.5	SR5	8/17/2019 6:30	29.21	77.7	5.83	6.7	SR5	8/17/2019 12:30	28.96	81.8	6.13	7.3	SR5	8/17/2019 18:30	29.56	83.8	6.29	7.0
SR5	8/17/2019 0:35	28.47	83.4	6.28	6.8	SR5	8/17/2019 6:35	29.19	77.9	5.84	7.3	SR5	8/17/2019 12:35	28.93	77.3	5.79	7.3	SR5	8/17/2019 18:35	29.54	82.9	6.22	6.7
SR5	8/17/2019 0:40	28.44	83.6	6.29	7.1	SR5	8/17/2019 6:40	29.26	78.9	5.91	6.7	SR5	8/17/2019 12:40	28.98	77.7	5.75	7.1	SR5	8/17/2019 18:40	29.58	81.0	6.08	6.9
SR5	8/17/2019 0:45	28.50	80.6	6.07	6.5	SR5	8/17/2019 6:45	29.26	76.8	5.75	7.1	SR5	8/17/2019 12:45	29.04	77.2	5.78	5.9	SR5	8/17/2019 18:45	29.58	81.3	6.10	8.0
SR5	8/17/2019 0:50	28.44	79.6	5.99	7.7	SR5	8/17/2019 6:50	29.24	76.7	5.75	6.3	SR5	8/17/2019 12:50	29.07	79.6	5.96	7.5	SR5	8/17/2019 18:50	29.55	83.3	6.25	7.1
SR5	8/17/2019 0:55	28.49	77.9	5.86	7.5	SR5	8/17/2019 6:55	29.24	80.8	6.05	8.2	SR5	8/17/2019 12:55	29.03	80.9	6.07	7.0	SR5	8/17/2019 18:55	29.55	82.8	6.21	7.3
SR5	8/17/2019 1:00	28.56	80.9	6.09	8.1	SR5	8/17/2019 7:00	29.27	81.0	6.07	6.6	SR5	8/17/2019 13:00	29.19	78.3	5.87	7.0	SR5	8/17/2019 19:00	29.52	81.9	6.14	7.5
SR5	8/17/2019 1:05	28.61	79.0	5.95	7.8	SR5	8/17/2019 7:05	29.26	79.5	5.96	7.6	SR5	8/17/2019 13:05	29.11	80.3	6.02	6.7	SR5	8/17/2019 19:05	29.51	84.9	6.36	7.8
SR5	8/17/2019 1:10	28.67	79.7	6.00	6.8	SR5	8/17/2019 7:10	29.20	72.6	5.44	6.9	SR5	8/17/2019 13:10	29.24	78.6	5.89	7.6	SR5	8/17/2019 19:10	29.51	84.8	6.36	8.2
SR5	8/17/2019 1:15	28.66	78.9	5.92	7.6	SR5	8/17/2019 7:15	29.21	74.4	5.57	7.7	SR5	8/17/2019 13:15	29.01	82.0	6.15	7.4	SR5	8/17/2019 19:15	29.49	82.4	6.18	7.5
SR5	8/17/2019 1:20	28.65	82.1	6.18	6.5	SR5	8/17/2019 7:20	29.12	74.1	5.55	7.1	SR5	8/17/2019 13:20	29.14	76.6	5.74	6.4	SR5	8/17/2019 19:20	29.50	86.4	6.48	7.3
SR5	8/17/2019 1:25	28.61	81.8	6.13	6.5	SR5	8/17/2019 7:25	29.12	78.2	5.86	7.5	SR5	8/17/2019 13:25	29.19	77.6	5.82	7.4	SR5	8/17/2019 19:25	29.48	83.9	6.29	7.7
SR5	8/17/2019 1:30	28.62	80.8	6.08	7.3	SR5	8/17/2019 7:30	29.19	76.6	5.74	8.2	SR5	8/17/2019 13:30	29.25	77.2	5.79	7.5	SR5	8/17/2019 19:30	29.44	88.2	6.61	8.5
SR5	8/17/2019 1:35	28.49	81.0	6.07	7.5	SR5	8/17/2019 7:35	28.88	77.5	5.81	7.9	SR5	8/17/2019 13:35	29.19	81.1	6.08	6.6	SR5	8/17/2019 19:35	29.48	85.9	6.44	8.6
SR5	8/17/2019 1:40	28.57	76.4	5.75	7.7	SR5	8/17/2019 7:40	28.40	78.2	5.86	7.9	SR5	8/17/2019 13:40	29.27	77.7	5.82	6.9	SR5	8/17/2019 19:40	29.38	86.8	6.51	8.2
SR5	8/17/2019 1:45	28.55	79.5	5.96	7.5	SR5	8/17/2019 7:45	28.19	75.7	5.67	7.6	SR5	8/17/2019 13:45	29.32	83.6	6.27	6.6	SR5	8/17/2019 19:45	29.32	82.9	6.21	7.5
SR5	8/17/2019 1:50	28.57	78.3	5.87	6.7	SR5	8/17/2019 7:50	29.95	74.1	5.55	6.6	SR5	8/17/2019 13:50	29.32	78.5	5.88	7.4	SR5	8/17/2019 19:50	29.24	84.9	6.37	7.7
SR5	8/17/2019 1:55	28.65	75.8	5.68	7.8	SR5	8/17/2019 7:55	29.96	76.1	5.70	7.2	SR5	8/17/2019 13:55	29.23	79.9	5.99	7.2	SR5	8/17/2019 19:55	29.21	84.9	6.37	7.4
SR5	8/17/2019 2:00	28.65	76.0	5.69	7.4	SR5	8/17/2019 8:00	27.94	77.7	5.82	5.9	SR5	8/17/2019 14:00	29.30	78.5	5.89	6.8	SR5	8/17/2019 20:00	29.17	83.2	6.24	7.5
SR5	8/17/2019 2:05	28.63	75.2	5.63	7.7	SR5	8/17/2019 8:05	27.94	74.9	5.61	7.4	SR5	8/17/2019 14:05	29.36	82.3	6.17	7.1	SR5	8/17/2019 20:05	29.15	80.7	6.05	7.0
SR5	8/17/2019 2:10	28.67	77.1	5.78	8.1	SR5	8/17/2019 8:10	27.92	79.6	5.96	8.2	SR5	8/17/2019 14:10	29.38	79.8	5.98	7.3	SR5	8/17/2019 20:10	29.05	81.7	6.12	7.9
SR5	8/17/2019 2:15	28.75	77.4	5.80	6.7	SR5	8/17/2019 8:15	27.89	79.5	5.96	7.6	SR5	8/17/2019 14:15	29.38	81.2	6.86	7.2	SR5	8/17/2019 20:15	29.18	83.1	6.26	7.9
SR5	8/17/2019 2:20	28.80	81.1	6.08	6.6	SR5	8/17/2019 8:20	27.88	77.8	5.83	6.8	SR5	8/17/2019 14:20	29.42	82.1	6.16	7.7	SR5	8/17/2019 20:20	28.98	85.3	6.42	8.1
SR5	8/17/2019 2:25	28.75	77.3	5.79	7.1	SR5	8/17/2019 8:25	27.82	79.8	5.98	7.6	SR5	8/17/2019 14:25	29.38	85.3	6.42	7.9	SR5	8/17/2019 20:25	28.76	85.0	6.40	7.1
SR5	8/17/2019 2:30	28.79	76.6	5.74	6.9	SR5	8/17/2019 8:30	27.76	77.4	5.80	7.3	SR5	8/17/2019 14:30	29.36	84.8	6.38	6.9	SR5	8/17/2019 20:30	28.69	80.8	6.08	7.9
SR5	8/17/2019 2:35	28.76	76.5	5.73	6.7	SR5	8/17/2019 8:35	27.76	76.4	5.73	7.0	SR5	8/17/2019 14:35	29.47	80.8	6.06	7.1	SR5	8/17/2019 20:35	28.47	83.2	6.26	8.6
SR5	8/17/2019 2:40	28.77	76.1	5.71	7.2	SR5	8/17/2019 8:40	27.76	76.3	5.72	7.8	SR5	8/17/2019 14:40	29.49	81.5	6.11	7.2	SR5	8/17/2019 20:40	28.20	79.7	6.00	7.6
SR5	8/17/2019 2:45	28.76	79.2	5.94	6.7	SR5	8/17/2019 8:45	27.72	81.2	6.09	6.5	SR5	8/17/2019 14:45	29.44	81.7	6.12	7.0	SR5	8/17/2019 20:45	28.18	83.4	6.28	7.2
SR5	8/17/2019 2:50	28.77	78.1	5.85	7.7	SR5	8/17/2019 8:50	27.63	77.3	5.79	7.7	SR5	8/17/2019 14:50	29.45	78.6	5.89	6.7	SR5	8/17/2019 20:50	28.16	79.0	5.94	7.3
SR5	8/17/2019 2:55	28.77	77.7	5.82	7.2	SR5	8/17/2019 8:55	27.61	79.9	5.99	7.2	SR5	8/17/2019 14:55	29.34	79.6	5.97	6.4	SR5	8/17/2019 20:55	28.03	84.6	6.34	7.0
SR5	8/17/2019 3:00	28.91	81.0	6.07	7.0	SR5	8/17/2019 9:00	27.57	80.3	6.02	6.5	SR5	8/17/2019 15:00	29.45	79.6	5.97	7.5	SR5	8/17/2019 21:00	28.01	79.2	5.96	7.6
SR5	8/17/2019 3:05	28.90	80.9	6.06	8.3	SR5	8/17/2019 9:05	27.67	77.4	5.80	7.2	SR5	8/17/2019 15:05	29.45	79.6	5.96	6.4	SR5	8/17/2019 21:05	27.97	80.9	6.09	6.7
SR5	8/17/2019 3:10	28.90	82.0	6.15	7.5	SR5	8/17/2019 9:10	27.61	80.0	6.00	7.5	SR5	8/17/2019 15:10	29.45	82.9	6.21	6.9	SR5	8/17/2019 21:10	27.92	80.5	6.06	7.2
SR5	8/17/2019 3:15	28.90	79.9	5.99	7.2	SR5	8/17/2019 9:15	27.53	81.5	6.11	7.5	SR5	8/17/2019 15:15	29.39	82.4	6.18	6.3	SR5	8/17/2019 21:15	27.98	80.7	6.07	8.8
SR5	8/17/2019 3:20	28.89	79.3	5.94	7.6	SR5	8/17/2019 9:20	27.54	81.0	6.07	7.0	SR5	8/17/2019 15:20	29.38	81.5	6.11	7.2	SR5	8/17/2019 21:20	27.93	82.4	6.02	6.8
SR5	8/17/2019 3:25	28.89	78.0	5.85	6.8	SR5	8/17/2019 9:25	27.49	76.7	5.74	7.4	SR5	8/17/2019 15:25	29.40	81.6	6.12	7.4	SR5	8/17/2019 21:25	27.93	84.4	6.36	8.0
SR5	8/17/2019 3:30	28.91	78.4	5.87	6.9	SR5	8/17/2019 9:30	27.55	77.6	5.81	6.2	SR5	8/17/2019 15:30	29.41	81.0	6.08	8.7	SR5	8/17/2019 21:30	27.89	84.9	6.39	8.1
SR5	8/17/2019 3:35	28.94	79.7	5.97	6.9	SR5	8/17/2019 9:35	27.45	77.6	5.82	6.3	SR5	8/17/2019 15:35	29.49	80.1	6.01	7.0	SR5	8/17/2019 21:35	27.86	82.2	6.19	8.6
SR5	8/17/2019 3:40	28.98	81.8	6.13	8.3	SR5	8/17/2019 9:40	27.46	82.5	6.18	8.1	SR5	8/17/2019 15:40	29.54	80.5	6.04	6.0	SR5	8/17/2019 21:40	27.83	84.8	6.36	6.5
SR5	8/17/2019 3:45	28.98	80.9	6.06	7.9	SR5	8/17/2019 9:45	27.42	80.5	6.03	7.3	SR5	8/17/2019 15:45	29.64	80.9	6.09	6.9	SR5	8/17/2019 21:45	27.80	83.3	6.25	6.8
SR5	8/17/2019 3:50	29.01	82.3	6.17	7.3	SR5	8/17/2019 9:50	27.47	82.2	6.16	6.8	SR5	8/17/2019 15:50	29.51	84.5	6.34	6.4	SR5	8/17/2019 21:50	27.78	83.1	6.23	8.1
SR5	8/17/2019 3:55	29.05	79.3	5.94	6.9	SR5	8/17/2019 9:55	27															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/17/2019 0:01	28.77	68.3	5.10	8.1	SR12	8/17/2019 6:01	28.27	61.9	4.62	6.9	SR12	8/17/2019 12:01	27.72	63.4	4.73	3.9	SR12	8/17/2019 18:01	28.45	77.6	5.79	8.0
SR12	8/17/2019 0:06	28.80	68.3	5.10	8.1	SR12	8/17/2019 6:06	28.27	60.3	4.50	5.9	SR12	8/17/2019 12:06	27.90	59.4	4.43	5.8	SR12	8/17/2019 18:06	28.47	81.1	6.05	8.8
SR12	8/17/2019 0:11	28.84	67.5	5.04	8.0	SR12	8/17/2019 6:11	28.26	60.6	4.52	6.4	SR12	8/17/2019 12:11	27.94	55.7	4.16	6.2	SR12	8/17/2019 18:11	28.48	74.0	5.52	7.7
SR12	8/17/2019 0:16	28.80	65.5	4.89	9.0	SR12	8/17/2019 6:16	28.25	51.1	3.81	6.7	SR12	8/17/2019 12:16	27.98	58.2	4.34	8.5	SR12	8/17/2019 18:16	28.49	73.4	5.48	7.7
SR12	8/17/2019 0:21	28.84	69.0	5.15	7.9	SR12	8/17/2019 6:21	28.23	59.1	4.41	7.4	SR12	8/17/2019 12:21	27.93	57.5	4.29	8.2	SR12	8/17/2019 18:21	28.53	69.5	5.19	7.8
SR12	8/17/2019 0:26	28.84	66.7	4.98	7.1	SR12	8/17/2019 6:26	28.24	51.5	3.84	7.2	SR12	8/17/2019 12:26	27.93	60.2	4.49	8.4	SR12	8/17/2019 18:26	28.53	66.2	4.94	9.5
SR12	8/17/2019 0:31	28.82	60.6	4.52	7.3	SR12	8/17/2019 6:31	28.25	62.6	4.67	5.5	SR12	8/17/2019 12:31	27.94	62.7	4.68	7.7	SR12	8/17/2019 18:31	28.52	80.7	6.02	7.4
SR12	8/17/2019 0:36	28.81	64.3	4.80	8.1	SR12	8/17/2019 6:36	28.21	55.1	4.11	6.7	SR12	8/17/2019 12:36	27.97	63.1	4.71	8.3	SR12	8/17/2019 18:36	28.53	72.8	5.43	9.3
SR12	8/17/2019 0:41	28.79	63.1	4.71	7.3	SR12	8/17/2019 6:41	28.22	53.5	3.99	5.1	SR12	8/17/2019 12:41	27.98	61.4	4.58	7.6	SR12	8/17/2019 18:41	28.54	81.1	6.05	7.0
SR12	8/17/2019 0:46	28.76	59.4	4.43	8.0	SR12	8/17/2019 6:46	28.20	61.9	4.62	6.6	SR12	8/17/2019 12:46	27.93	60.2	4.49	7.4	SR12	8/17/2019 18:46	28.55	73.2	5.46	7.3
SR12	8/17/2019 0:51	28.68	62.6	4.67	7.0	SR12	8/17/2019 6:51	28.13	61.4	4.58	6.5	SR12	8/17/2019 12:51	27.96	64.7	4.83	7.6	SR12	8/17/2019 18:51	28.56	67.8	5.06	8.0
SR12	8/17/2019 0:56	28.73	61.8	4.61	7.7	SR12	8/17/2019 6:56	28.04	63.1	4.71	6.4	SR12	8/17/2019 12:56	27.84	55.9	4.17	7.9	SR12	8/17/2019 18:56	28.56	76.4	5.70	8.3
SR12	8/17/2019 1:01	28.77	61.5	4.59	7.5	SR12	8/17/2019 7:01	28.06	60.3	4.50	6.4	SR12	8/17/2019 13:01	27.76	57.8	4.31	7.4	SR12	8/17/2019 19:01	28.57	70.2	5.24	7.8
SR12	8/17/2019 1:06	28.70	63.9	4.77	7.2	SR12	8/17/2019 7:06	27.93	52.3	3.90	5.6	SR12	8/17/2019 13:06	28.03	63.5	4.74	7.6	SR12	8/17/2019 19:06	28.59	69.8	5.21	8.8
SR12	8/17/2019 1:11	28.77	67.8	5.06	6.9	SR12	8/17/2019 7:11	27.82	60.0	4.48	6.7	SR12	8/17/2019 13:11	27.99	60.7	4.53	6.5	SR12	8/17/2019 19:11	28.58	69.4	5.18	7.9
SR12	8/17/2019 1:16	28.79	65.4	4.88	7.0	SR12	8/17/2019 7:16	27.82	56.0	4.18	6.9	SR12	8/17/2019 13:16	28.04	60.3	4.50	8.9	SR12	8/17/2019 19:16	28.58	67.9	5.07	6.9
SR12	8/17/2019 1:21	28.75	63.8	4.76	6.7	SR12	8/17/2019 7:21	27.81	61.4	4.58	7.3	SR12	8/17/2019 13:21	27.68	56.3	4.20	7.7	SR12	8/17/2019 19:21	28.58	61.5	4.59	7.3
SR12	8/17/2019 1:26	28.75	59.5	4.44	7.2	SR12	8/17/2019 7:26	27.67	55.3	4.13	7.0	SR12	8/17/2019 13:26	27.95	62.7	4.68	7.5	SR12	8/17/2019 19:26	28.58	67.5	5.04	8.2
SR12	8/17/2019 1:31	28.73	61.0	4.55	6.4	SR12	8/17/2019 7:31	27.58	51.9	3.87	7.3	SR12	8/17/2019 13:31	27.77	51.3	3.83	7.7	SR12	8/17/2019 19:31	28.57	69.8	5.21	8.8
SR12	8/17/2019 1:36	28.67	58.2	4.34	6.0	SR12	8/17/2019 7:36	27.58	54.7	4.08	5.9	SR12	8/17/2019 13:36	27.78	58.6	4.37	8.9	SR12	8/17/2019 19:36	28.57	75.2	5.61	8.2
SR12	8/17/2019 1:41	28.66	61.4	4.58	6.6	SR12	8/17/2019 7:41	27.43	51.5	3.84	7.3	SR12	8/17/2019 13:41	27.86	60.6	4.52	7.5	SR12	8/17/2019 19:41	28.58	72.4	5.40	7.7
SR12	8/17/2019 1:46	28.69	58.7	4.38	7.9	SR12	8/17/2019 7:46	27.47	63.1	4.71	5.8	SR12	8/17/2019 13:46	27.88	63.9	4.77	7.5	SR12	8/17/2019 19:46	28.56	67.8	5.06	9.0
SR12	8/17/2019 1:51	28.73	62.2	4.64	7.3	SR12	8/17/2019 7:51	27.31	60.3	4.50	8.4	SR12	8/17/2019 13:51	27.73	57.9	4.32	9.1	SR12	8/17/2019 19:51	28.56	68.3	5.10	8.9
SR12	8/17/2019 1:56	28.68	60.7	4.53	7.1	SR12	8/17/2019 7:56	27.42	51.5	3.84	6.6	SR12	8/17/2019 13:56	27.75	57.1	4.26	7.2	SR12	8/17/2019 19:56	28.53	67.8	5.06	7.8
SR12	8/17/2019 2:01	28.73	63.4	4.73	8.4	SR12	8/17/2019 8:01	27.61	53.3	3.98	7.4	SR12	8/17/2019 14:01	27.77	59.1	4.41	8.6	SR12	8/17/2019 20:01	28.26	69.5	5.19	9.6
SR12	8/17/2019 2:06	28.59	58.7	4.38	7.0	SR12	8/17/2019 8:06	27.50	50.9	3.80	7.3	SR12	8/17/2019 14:06	27.81	58.7	4.38	8.0	SR12	8/17/2019 20:06	28.29	68.3	5.10	7.8
SR12	8/17/2019 2:11	28.73	61.5	4.59	8.4	SR12	8/17/2019 8:11	27.49	53.9	4.02	7.1	SR12	8/17/2019 14:11	27.76	57.8	4.31	8.3	SR12	8/17/2019 20:11	28.48	67.1	5.01	7.7
SR12	8/17/2019 2:16	28.72	60.6	4.52	7.7	SR12	8/17/2019 8:16	27.49	55.7	4.16	8.3	SR12	8/17/2019 14:16	27.75	55.9	4.17	7.8	SR12	8/17/2019 20:16	28.25	59.9	4.47	11.9
SR12	8/17/2019 2:21	28.70	57.4	4.28	8.1	SR12	8/17/2019 8:21	27.52	54.9	4.10	6.9	SR12	8/17/2019 14:21	27.76	57.5	4.29	9.2	SR12	8/17/2019 20:21	28.17	58.6	4.37	8.5
SR12	8/17/2019 2:26	28.63	58.3	4.35	8.2	SR12	8/17/2019 8:26	27.46	62.8	4.69	7.2	SR12	8/17/2019 14:26	27.60	63.1	4.71	8.6	SR12	8/17/2019 20:26	28.12	56.3	4.20	8.3
SR12	8/17/2019 2:31	28.55	59.8	4.46	7.7	SR12	8/17/2019 8:31	27.51	53.3	3.98	7.7	SR12	8/17/2019 14:31	27.76	57.8	4.31	8.0	SR12	8/17/2019 20:31	28.14	58.3	4.35	8.7
SR12	8/17/2019 2:36	28.64	60.7	4.53	7.7	SR12	8/17/2019 8:36	27.49	53.5	3.99	7.2	SR12	8/17/2019 14:36	27.66	55.3	4.13	7.8	SR12	8/17/2019 20:36	27.97	53.7	4.01	8.0
SR12	8/17/2019 2:41	28.59	59.4	4.43	6.7	SR12	8/17/2019 8:41	27.54	53.9	4.02	7.7	SR12	8/17/2019 14:41	27.72	60.6	4.52	8.0	SR12	8/17/2019 20:41	27.76	51.3	3.83	8.6
SR12	8/17/2019 2:46	28.63	64.6	4.82	7.0	SR12	8/17/2019 8:46	27.56	53.3	3.98	6.7	SR12	8/17/2019 14:46	27.72	59.1	4.41	8.0	SR12	8/17/2019 20:46	27.70	62.4	4.66	7.9
SR12	8/17/2019 2:51	28.65	65.1	4.86	6.4	SR12	8/17/2019 8:51	27.54	51.1	3.81	5.7	SR12	8/17/2019 14:51	27.70	61.0	4.55	8.5	SR12	8/17/2019 20:51	27.71	62.4	4.66	8.7
SR12	8/17/2019 2:56	28.66	62.3	4.65	6.6	SR12	8/17/2019 8:56	27.57	60.6	4.52	6.6	SR12	8/17/2019 14:56	27.71	64.6	4.82	7.7	SR12	8/17/2019 20:56	27.69	58.8	4.39	6.5
SR12	8/17/2019 3:01	28.63	60.7	4.53	8.6	SR12	8/17/2019 9:01	27.29	58.8	4.39	7.2	SR12	8/17/2019 15:01	27.73	67.8	5.06	7.5	SR12	8/17/2019 21:01	27.67	60.6	4.52	8.2
SR12	8/17/2019 3:06	28.64	62.3	4.65	6.8	SR12	8/17/2019 9:06	26.97	88.8	6.63	8.0	SR12	8/17/2019 15:06	27.74	70.8	5.28	8.5	SR12	8/17/2019 21:06	27.60	60.0	4.48	9.8
SR12	8/17/2019 3:11	28.64	59.0	4.40	6.6	SR12	8/17/2019 9:11	27.10	53.5	3.99	7.6	SR12	8/17/2019 15:11	27.79	73.6	5.49	8.2	SR12	8/17/2019 21:11	27.61	59.9	4.47	8.2
SR12	8/17/2019 3:16	28.65	58.6	4.37	6.8	SR12	8/17/2019 9:16	27.15	84.0	6.27	7.8	SR12	8/17/2019 15:16	27.84	73.2	5.46	8.5	SR12	8/17/2019 21:16	27.60	58.8	4.39	8.3
SR12	8/17/2019 3:21	28.59	57.9	4.32	6.2	SR12	8/17/2019 9:21	27.08	78.3	5.84	7.6	SR12	8/17/2019 15:21	27.85	73.6	5.49	8.6	SR12	8/17/2019 21:21	27.61	51.9	3.87	8.7
SR12	8/17/2019 3:26	28.28	53.1	3.96	6.3	SR12	8/17/2019 9:26	27.33	50.7	3.78	7.2	SR12	8/17/2019 15:26	27.86	72.0	5.37	8.9	SR12	8/17/2019 21:26	27.60	59.9	4.47	9.6
SR12	8/17/2019 3:31	28.53	59.8	4.46	8.6	SR12	8/17/2019 9:31	27.32	60.8	4.54	8.1	SR12	8/17/2019 15:31	27.88	70.2	5.24	9.4	SR12	8/17/2019 21:31	27.60	58.0	4.33	8.0
SR12	8/17/2019 3:36	28.58	59.9	4.47	7.5	SR12	8/17/2019 9:36	27.31	60.8	4.54	6.4	SR12	8/17/2019 15:36	27.87	69.4	5.18	8.1	SR12	8/17/2019 21:36	27.61	58.3	4.35	7.3
SR12	8/17/2019 3:41	28.48	56.7	4.23	8.5	SR12	8/17/2019 9:41	27.35	59.6	4.45	7.5	SR12	8/17/2019 15:41	27.91	70.8	5.28	8.7	SR12	8/17/2019 21:41	27.62	60.6	4.52	9.8
SR12	8/17/2019 3:46	28.48	57.1	4.26	6.8	SR12	8/17/2019 9:46	27.48	55.1	4.11	6.7	SR12	8/17/2019 15:46	27.93	68.2	5.09	7.4	SR12	8/17/2019 21:46	27.59	52.5	3.92	9.6
SR12	8/17/2019 3:51	28.50	62.3	4.65	6.6	SR12	8/17/2019 9:51	27.49	58.3	4.35	7.0	SR12	8/17/2019 15:51	27.96</									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/17/2019 0:00	28.75	82.8	6.25	7.1	SR13	8/17/2019 6:00	29.67	81.5	6.14	6.4	SR13	8/17/2019 12:00	29.19	88.7	6.68	8.0	SR13	8/17/2019 18:00	29.64	79.8	6.02	7.0
SR13	8/17/2019 0:05	28.74	84.5	6.38	5.7	SR13	8/17/2019 6:05	29.68	83.3	6.28	6.0	SR13	8/17/2019 12:05	29.14	86.6	6.53	6.8	SR13	8/17/2019 18:05	29.70	80.0	6.04	6.3
SR13	8/17/2019 0:10	28.74	85.7	6.47	5.5	SR13	8/17/2019 6:10	29.82	81.7	6.16	7.3	SR13	8/17/2019 12:10	29.15	89.0	6.71	6.7	SR13	8/17/2019 18:10	29.63	82.5	6.22	6.3
SR13	8/17/2019 0:15	28.76	87.0	6.57	6.5	SR13	8/17/2019 6:15	29.82	81.1	6.11	7.3	SR13	8/17/2019 12:15	29.15	88.0	6.63	7.1	SR13	8/17/2019 18:15	29.59	78.2	5.90	6.0
SR13	8/17/2019 0:20	28.72	86.2	6.50	7.2	SR13	8/17/2019 6:20	29.83	84.7	6.40	7.3	SR13	8/17/2019 12:20	29.09	89.1	6.72	7.4	SR13	8/17/2019 18:20	29.55	80.2	6.04	6.2
SR13	8/17/2019 0:25	28.72	84.3	6.37	6.1	SR13	8/17/2019 6:25	29.79	80.7	6.10	7.1	SR13	8/17/2019 12:25	29.04	85.5	6.44	7.7	SR13	8/17/2019 18:25	29.59	82.8	6.24	6.8
SR13	8/17/2019 0:30	28.71	83.1	6.27	6.4	SR13	8/17/2019 6:30	29.73	79.9	6.02	6.9	SR13	8/17/2019 12:30	29.02	82.2	6.20	7.0	SR13	8/17/2019 18:30	29.55	81.2	6.12	6.3
SR13	8/17/2019 0:35	28.71	85.7	6.47	7.0	SR13	8/17/2019 6:35	29.90	81.4	6.15	6.8	SR13	8/17/2019 12:35	29.04	84.8	6.39	6.9	SR13	8/17/2019 18:35	29.53	83.7	6.12	7.1
SR13	8/17/2019 0:40	28.70	80.5	6.08	6.5	SR13	8/17/2019 6:40	29.85	79.9	6.03	7.0	SR13	8/17/2019 12:40	29.13	84.9	6.40	7.0	SR13	8/17/2019 18:40	29.51	81.8	6.17	7.3
SR13	8/17/2019 0:45	28.64	81.1	6.12	6.8	SR13	8/17/2019 6:45	29.88	81.6	6.17	7.5	SR13	8/17/2019 12:45	29.05	87.0	6.56	6.4	SR13	8/17/2019 18:45	29.50	82.3	6.20	6.6
SR13	8/17/2019 0:50	28.61	84.2	6.35	7.7	SR13	8/17/2019 6:50	29.86	81.6	6.15	7.4	SR13	8/17/2019 12:50	29.05	83.5	6.29	7.3	SR13	8/17/2019 18:50	29.51	80.6	6.07	7.2
SR13	8/17/2019 0:55	28.64	84.0	6.34	6.4	SR13	8/17/2019 6:55	29.84	79.0	5.97	7.0	SR13	8/17/2019 12:55	29.12	83.7	6.31	7.5	SR13	8/17/2019 18:55	29.49	82.2	6.20	6.7
SR13	8/17/2019 1:00	28.65	80.2	6.06	6.4	SR13	8/17/2019 7:00	29.81	78.9	5.95	7.4	SR13	8/17/2019 13:00	29.48	87.0	6.56	7.0	SR13	8/17/2019 19:00	29.48	82.7	6.24	5.9
SR13	8/17/2019 1:05	28.60	85.6	6.46	6.6	SR13	8/17/2019 7:05	29.84	79.5	5.99	7.7	SR13	8/17/2019 13:05	29.53	86.1	6.49	6.6	SR13	8/17/2019 19:05	29.54	82.9	6.25	7.2
SR13	8/17/2019 1:10	28.60	83.2	6.28	6.9	SR13	8/17/2019 7:10	29.95	80.0	6.04	7.2	SR13	8/17/2019 13:10	29.62	85.2	6.42	6.2	SR13	8/17/2019 19:10	29.51	80.7	6.09	7.3
SR13	8/17/2019 1:15	28.57	84.3	6.36	6.7	SR13	8/17/2019 7:15	29.97	80.2	6.06	6.9	SR13	8/17/2019 13:15	29.56	84.5	6.37	6.4	SR13	8/17/2019 19:15	29.58	84.2	6.35	7.6
SR13	8/17/2019 1:20	28.56	84.4	6.37	7.4	SR13	8/17/2019 7:20	29.96	78.0	5.89	7.2	SR13	8/17/2019 13:20	29.48	83.2	6.28	6.6	SR13	8/17/2019 19:20	29.58	83.8	6.32	6.5
SR13	8/17/2019 1:25	28.57	84.0	6.35	6.4	SR13	8/17/2019 7:25	29.96	79.4	5.99	6.9	SR13	8/17/2019 13:25	29.49	83.7	6.31	6.5	SR13	8/17/2019 19:25	29.62	86.0	6.48	6.6
SR13	8/17/2019 1:30	28.55	81.5	6.15	6.3	SR13	8/17/2019 7:30	29.98	81.6	6.16	6.9	SR13	8/17/2019 13:30	29.50	83.6	6.30	7.0	SR13	8/17/2019 19:30	29.59	82.5	6.22	5.9
SR13	8/17/2019 1:35	28.56	82.7	6.24	6.7	SR13	8/17/2019 7:35	29.95	77.3	5.84	8.0	SR13	8/17/2019 13:35	29.51	85.0	6.41	6.9	SR13	8/17/2019 19:35	29.56	83.5	6.29	6.4
SR13	8/17/2019 1:40	28.58	85.3	6.44	6.9	SR13	8/17/2019 7:40	29.95	79.6	6.00	2.3	SR13	8/17/2019 13:40	29.53	84.3	6.36	6.8	SR13	8/17/2019 19:40	29.57	86.3	6.50	6.1
SR13	8/17/2019 1:45	28.54	82.9	6.26	6.5	SR13	8/17/2019 7:45	30.05	85.5	6.44	3.8	SR13	8/17/2019 13:45	29.48	83.4	6.29	6.8	SR13	8/17/2019 19:45	29.57	84.8	6.39	7.3
SR13	8/17/2019 1:50	28.73	79.3	5.98	6.7	SR13	8/17/2019 7:50	29.98	80.5	6.08	4.4	SR13	8/17/2019 13:50	29.49	83.3	6.28	7.3	SR13	8/17/2019 19:50	29.55	84.7	6.38	7.5
SR13	8/17/2019 1:55	28.93	81.6	6.18	6.3	SR13	8/17/2019 7:55	30.06	84.0	6.33	6.7	SR13	8/17/2019 13:55	29.45	82.6	6.22	7.4	SR13	8/17/2019 19:55	29.55	86.4	6.51	6.9
SR13	8/17/2019 2:00	29.07	80.9	6.11	6.4	SR13	8/17/2019 8:00	30.01	83.4	6.29	7.6	SR13	8/17/2019 14:00	29.43	82.7	6.24	7.1	SR13	8/17/2019 20:00	29.57	85.9	6.48	6.4
SR13	8/17/2019 2:05	29.13	83.1	6.27	8.0	SR13	8/17/2019 8:05	29.98	78.5	5.92	7.6	SR13	8/17/2019 14:05	29.41	83.8	6.32	7.1	SR13	8/17/2019 20:05	29.59	82.3	6.20	2.3
SR13	8/17/2019 2:10	29.12	79.5	6.07	7.5	SR13	8/17/2019 8:10	30.03	81.5	6.14	7.4	SR13	8/17/2019 14:10	29.36	85.7	6.46	6.5	SR13	8/17/2019 20:10	29.59	84.2	6.35	6.9
SR13	8/17/2019 2:15	29.13	78.4	5.92	6.9	SR13	8/17/2019 8:15	30.03	82.9	6.24	6.6	SR13	8/17/2019 14:15	29.39	84.3	6.35	7.3	SR13	8/17/2019 20:15	29.61	86.4	6.52	6.5
SR13	8/17/2019 2:20	29.09	80.8	6.10	7.0	SR13	8/17/2019 8:20	30.04	83.5	6.30	7.0	SR13	8/17/2019 14:20	29.37	80.7	6.08	7.4	SR13	8/17/2019 20:20	29.61	84.6	6.38	7.7
SR13	8/17/2019 2:25	29.10	82.5	6.23	6.6	SR13	8/17/2019 8:25	30.04	80.5	6.06	7.1	SR13	8/17/2019 14:25	29.53	83.0	6.25	6.7	SR13	8/17/2019 20:25	29.60	86.3	6.51	6.7
SR13	8/17/2019 2:30	29.10	82.5	6.23	6.7	SR13	8/17/2019 8:30	30.03	83.0	6.26	6.9	SR13	8/17/2019 14:30	29.40	85.7	6.46	7.1	SR13	8/17/2019 20:30	29.61	87.0	6.56	7.4
SR13	8/17/2019 2:35	29.10	80.4	6.08	7.8	SR13	8/17/2019 8:35	30.06	83.1	6.26	7.4	SR13	8/17/2019 14:35	29.55	84.5	6.37	6.4	SR13	8/17/2019 20:35	29.60	84.6	6.38	7.3
SR13	8/17/2019 2:40	29.09	78.1	5.90	6.7	SR13	8/17/2019 8:40	30.21	79.9	6.02	6.9	SR13	8/17/2019 14:40	29.58	79.7	6.01	7.2	SR13	8/17/2019 20:40	29.62	83.9	6.33	5.6
SR13	8/17/2019 2:45	29.02	81.4	6.15	7.2	SR13	8/17/2019 8:45	30.19	84.9	6.40	7.2	SR13	8/17/2019 14:45	29.61	82.3	6.20	6.6	SR13	8/17/2019 20:45	29.60	81.2	6.12	7.5
SR13	8/17/2019 2:50	29.01	82.2	6.21	6.4	SR13	8/17/2019 8:50	30.17	81.2	6.12	7.1	SR13	8/17/2019 14:50	29.64	84.0	6.33	7.6	SR13	8/17/2019 20:50	29.60	83.0	6.26	7.1
SR13	8/17/2019 2:55	28.95	83.5	6.31	7.4	SR13	8/17/2019 8:55	30.16	80.8	6.09	6.8	SR13	8/17/2019 14:55	29.62	81.8	6.17	7.1	SR13	8/17/2019 20:55	29.59	84.9	6.40	6.2
SR13	8/17/2019 3:00	28.93	82.0	6.19	6.9	SR13	8/17/2019 9:00	30.18	85.8	6.47	6.6	SR13	8/17/2019 15:00	29.64	81.6	6.15	7.2	SR13	8/17/2019 21:00	29.61	84.2	6.35	6.2
SR13	8/17/2019 3:05	28.95	80.5	6.08	6.3	SR13	8/17/2019 9:05	30.17	81.9	6.17	7.1	SR13	8/17/2019 15:05	29.65	83.8	6.31	6.6	SR13	8/17/2019 21:05	29.62	84.5	6.37	7.4
SR13	8/17/2019 3:10	28.92	78.2	5.90	6.9	SR13	8/17/2019 9:10	30.15	82.5	6.22	6.7	SR13	8/17/2019 15:10	29.65	82.1	6.19	7.4	SR13	8/17/2019 21:10	29.60	84.4	6.36	6.3
SR13	8/17/2019 3:15	28.96	80.0	6.04	6.9	SR13	8/17/2019 9:15	30.15	84.8	6.39	7.6	SR13	8/17/2019 15:15	29.59	81.3	6.13	7.5	SR13	8/17/2019 21:15	29.61	83.7	6.31	6.6
SR13	8/17/2019 3:20	29.02	85.1	6.43	7.8	SR13	8/17/2019 9:20	30.15	83.4	6.29	6.8	SR13	8/17/2019 15:20	29.63	78.2	5.89	7.4	SR13	8/17/2019 21:20	29.60	80.5	6.07	6.1
SR13	8/17/2019 3:25	29.05	78.9	5.96	7.6	SR13	8/17/2019 9:25	30.15	81.6	6.15	7.5	SR13	8/17/2019 15:25	29.57	79.2	5.97	6.9	SR13	8/17/2019 21:25	29.59	86.0	6.48	7.4
SR13	8/17/2019 3:30	29.09	82.4	6.23	6.8	SR13	8/17/2019 9:30	30.12	81.2	6.12	7.4	SR13	8/17/2019 15:30	29.65	83.1	6.26	7.8	SR13	8/17/2019 21:30	29.60	81.0	6.11	7.3
SR13	8/17/2019 3:35	29.09	83.3	6.28	7.1	SR13	8/17/2019 9:35	30.11	83.2	6.27	6.8	SR13	8/17/2019 15:35	29.54	85.0	6.41	7.0	SR13	8/17/2019 21:35	29.58	80.1	6.04	7.1
SR13	8/17/2019 3:40	29.10	83.0	6.27	6.8	SR13	8/17/2019 9:40	30.09	84.1	6.34	6.8	SR13	8/17/2019 15:40	29.58	79.0	5.95	15.8	SR13	8/17/2019 21:40	29.58	81.4	6.13	6.0
SR13	8/17/2019 3:45	29.07	85.3	6.43	6.3	SR13	8/17/2019 9:45	30.10	84.0	6.33	6.9	SR13	8/17/2019 15:45	29.62	81.1	6.11	9.8	SR13	8/17/2019 21:45	29.58	84.0	6.33	7.8
SR13	8/17/2019 3:50	29.05	81.4	6.15	7.3	SR13	8/17/2019 9:50	30.13	85.1	6.42	7.1	SR13	8/17/2019 15:50	29.66</									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/17/2019 0:17	0.36				SR12	8/17/2019 0:17	0.39			
SR4	8/17/2019 0:37	0.36				SR12	8/17/2019 0:37	0.37			
SR4	8/17/2019 0:57	0.37				SR12	8/17/2019 0:57	0.38			
SR4	8/17/2019 1:17	0.38				SR12	8/17/2019 1:17	0.37			
SR4	8/17/2019 1:37	0.38				SR12	8/17/2019 1:37	0.37			
SR4	8/17/2019 1:57	0.37				SR12	8/17/2019 1:57	0.39			
SR4	8/17/2019 2:17	0.37				SR12	8/17/2019 2:17	0.39			
SR4	8/17/2019 2:37	0.37				SR12	8/17/2019 2:37	0.39			
SR4	8/17/2019 2:57	0.36				SR12	8/17/2019 2:57	0.39			
SR4	8/17/2019 3:17	0.38				SR12	8/17/2019 3:17	0.37			
SR4	8/17/2019 3:37	0.38				SR12	8/17/2019 3:37	0.37			
SR4	8/17/2019 3:57	0.39				SR12	8/17/2019 3:57	0.39			
SR4	8/17/2019 4:17	0.41				SR12	8/17/2019 4:17	0.39			
SR4	8/17/2019 4:37	0.39				SR12	8/17/2019 4:37	0.37			
SR4	8/17/2019 4:57	0.39				SR12	8/17/2019 4:57	0.37			
SR4	8/17/2019 5:17	0.40				SR12	8/17/2019 5:17	0.39			
SR4	8/17/2019 5:37	0.40				SR12	8/17/2019 5:37	0.37			
SR4	8/17/2019 5:57	0.39				SR12	8/17/2019 5:57	0.39			
SR4						SR12					
SR4	8/17/2019 6:37	0.39				SR12	8/17/2019 6:37	0.42			
SR4	8/17/2019 6:57	0.40				SR12	8/17/2019 6:57	0.42			
SR4	8/17/2019 7:17	0.40				SR12	8/17/2019 7:17	0.40			
SR4	8/17/2019 7:37	0.40				SR12	8/17/2019 7:37	0.40			
SR4	8/17/2019 7:57	0.40				SR12	8/17/2019 7:57	0.40			
SR4	8/17/2019 8:17	0.40				SR12	8/17/2019 8:17	0.39			
SR4	8/17/2019 8:37	0.42				SR12	8/17/2019 8:37	0.43			
SR4	8/17/2019 8:57	0.41				SR12	8/17/2019 8:57	0.41			
SR4	8/17/2019 9:17	0.41				SR12	8/17/2019 9:17	0.41			
SR4	8/17/2019 9:37	0.40				SR12	8/17/2019 9:37	0.43			
SR4	8/17/2019 9:57	0.41				SR12	8/17/2019 9:57	0.42			
SR4	8/17/2019 10:17	0.41				SR12	8/17/2019 10:17	0.41			
SR4	8/17/2019 10:37	0.41				SR12	8/17/2019 10:37	0.42			
SR4	8/17/2019 10:57	0.41				SR12	8/17/2019 10:57	0.43			
SR4	8/17/2019 11:17	0.40				SR12	8/17/2019 11:17	0.43			
SR4	8/17/2019 11:37	0.41				SR12	8/17/2019 11:37	0.42			
SR4	8/17/2019 11:57	0.41				SR12	8/17/2019 11:57	0.44			
SR4	8/17/2019 12:17	0.41				SR12	8/17/2019 12:17	0.41			
SR4	8/17/2019 12:37	0.42				SR12	8/17/2019 12:37	0.42			
SR4	8/17/2019 12:57	0.40				SR12	8/17/2019 12:57	0.42			
SR4	8/17/2019 13:17	0.37				SR12	8/17/2019 13:17	0.40			
SR4	8/17/2019 13:37	0.36				SR12	8/17/2019 13:37	0.38			
SR4	8/17/2019 13:57	0.37				SR12	8/17/2019 13:57	0.38			
SR4	8/17/2019 14:17	0.36				SR12	8/17/2019 14:17	0.39			
SR4	8/17/2019 14:37	0.37				SR12	8/17/2019 14:37	0.38			
SR4	8/17/2019 14:57	0.36				SR12	8/17/2019 14:57	0.39			
SR4	8/17/2019 15:17	0.37				SR12	8/17/2019 15:17	0.38			
SR4	8/17/2019 15:37	0.37				SR12	8/17/2019 15:37	0.37			
SR4	8/17/2019 15:57	0.36				SR12	8/17/2019 15:57	0.37			
SR4	8/17/2019 16:17	0.36				SR12	8/17/2019 16:17	0.39			
SR4	8/17/2019 16:37	0.37				SR12	8/17/2019 16:37	0.39			
SR4	8/17/2019 16:57	0.35				SR12	8/17/2019 16:57	0.38			
SR4	8/17/2019 17:17	0.36				SR12	8/17/2019 17:17	0.37			
SR4	8/17/2019 17:37	0.37				SR12	8/17/2019 17:37	0.37			
SR4	8/17/2019 17:57	0.37				SR12	8/17/2019 17:57	0.39			
SR4	8/17/2019 18:17	0.37				SR12	8/17/2019 18:17	0.39			
SR4	8/17/2019 18:37	0.37				SR12	8/17/2019 18:37	0.39			
SR4	8/17/2019 18:57	0.35				SR12	8/17/2019 18:57	0.37			
SR4	8/17/2019 19:17	0.32				SR12	8/17/2019 19:17	0.38			
SR4	8/17/2019 19:37	0.34				SR12	8/17/2019 19:37	0.39			
SR4	8/17/2019 19:57	0.33				SR12	8/17/2019 19:57	0.39			
SR4	8/17/2019 20:17	0.34				SR12	8/17/2019 20:17	0.39			
SR4	8/17/2019 20:37	0.34				SR12	8/17/2019 20:37	0.37			
SR4	8/17/2019 20:57	0.32				SR12	8/17/2019 20:57	0.39			
SR4	8/17/2019 21:17	0.32				SR12	8/17/2019 21:17	0.37			
SR4	8/17/2019 21:37	0.32				SR12	8/17/2019 21:37	0.37			
SR4	8/17/2019 21:57	0.32				SR12	8/17/2019 21:57	0.39			
SR4	8/17/2019 22:17	0.32				SR12	8/17/2019 22:17	0.39			
SR4	8/17/2019 22:37	0.32				SR12	8/17/2019 22:37	0.39			
SR4	8/17/2019 22:57	0.32				SR12	8/17/2019 22:57	0.37			
SR4	8/17/2019 23:17	0.32				SR12	8/17/2019 23:17	0.36			
SR4	8/17/2019 23:37	0.31				SR12	8/17/2019 23:37	0.35			
SR4	8/17/2019 23:57	0.31				SR12	8/17/2019 23:57	0.37			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/18/2019 0:01	28.76	64.9	4.89	7.4	SR4	8/18/2019 6:01	28.90	73.1	5.50	6.9	SR4	8/18/2019 12:01	28.59	69.5	5.23	6.4	SR4	8/18/2019 18:01	28.84	75.8	5.71	8.5
SR4	8/18/2019 0:06	28.72	71.6	5.39	7.9	SR4	8/18/2019 6:06	28.85	73.2	5.51	7.6	SR4	8/18/2019 12:06	28.51	72.7	5.48	7.3	SR4	8/18/2019 18:06	28.96	76.4	5.75	7.4
SR4	8/18/2019 0:11	28.71	71.6	5.39	8.0	SR4	8/18/2019 6:11	28.86	68.8	5.18	7.2	SR4	8/18/2019 12:11	28.58	87.3	6.56	7.2	SR4	8/18/2019 18:11	28.93	75.7	5.70	6.9
SR4	8/18/2019 0:16	28.70	68.0	5.12	6.7	SR4	8/18/2019 6:16	28.89	69.4	5.22	7.7	SR4	8/18/2019 12:16	28.58	69.9	5.27	5.7	SR4	8/18/2019 18:16	28.91	80.4	6.06	8.0
SR4	8/18/2019 0:21	28.72	73.0	5.50	7.6	SR4	8/18/2019 6:21	28.87	69.3	5.22	7.5	SR4	8/18/2019 12:21	28.31	72.0	5.43	6.6	SR4	8/18/2019 18:21	28.95	76.1	5.73	8.1
SR4	8/18/2019 0:26	28.67	68.1	5.13	7.0	SR4	8/18/2019 6:26	28.88	69.3	5.22	5.7	SR4	8/18/2019 12:26	28.40	72.7	5.47	7.9	SR4	8/18/2019 18:26	28.94	79.8	6.01	7.6
SR4	8/18/2019 0:31	28.68	71.6	5.39	8.4	SR4	8/18/2019 6:31	28.89	71.0	5.34	7.5	SR4	8/18/2019 12:31	28.43	86.2	6.48	7.1	SR4	8/18/2019 18:31	28.90	77.3	5.82	7.3
SR4	8/18/2019 0:36	28.68	70.1	5.28	8.4	SR4	8/18/2019 6:36	28.89	72.7	5.47	6.1	SR4	8/18/2019 12:36	28.54	87.8	6.60	6.2	SR4	8/18/2019 18:36	28.88	80.6	6.07	7.7
SR4	8/18/2019 0:41	28.67	67.8	5.10	7.1	SR4	8/18/2019 6:41	28.76	69.3	5.22	6.6	SR4	8/18/2019 12:41	28.48	87.9	6.61	6.1	SR4	8/18/2019 18:41	28.94	78.6	5.92	7.8
SR4	8/18/2019 0:46	28.65	73.5	5.54	9.0	SR4	8/18/2019 6:46	28.84	71.5	5.38	10.1	SR4	8/18/2019 12:46	28.49	76.4	5.76	6.6	SR4	8/18/2019 18:46	28.96	82.0	6.18	8.0
SR4	8/18/2019 0:51	28.64	71.3	5.37	8.2	SR4	8/18/2019 6:51	28.76	67.3	5.07	7.8	SR4	8/18/2019 12:51	28.56	74.1	5.58	7.7	SR4	8/18/2019 18:51	28.85	83.2	6.27	7.7
SR4	8/18/2019 0:56	28.70	70.0	5.27	5.7	SR4	8/18/2019 6:56	28.80	68.1	5.13	7.4	SR4	8/18/2019 12:56	28.54	71.7	5.40	6.2	SR4	8/18/2019 18:56	28.87	80.6	6.07	7.3
SR4	8/18/2019 1:01	28.73	74.2	5.59	7.6	SR4	8/18/2019 7:01	28.71	69.8	5.26	6.5	SR4	8/18/2019 13:01	28.47	71.7	5.40	6.4	SR4	8/18/2019 19:01	28.86	82.0	6.18	7.7
SR4	8/18/2019 1:06	28.70	67.7	5.10	8.2	SR4	8/18/2019 7:06	28.69	67.1	5.06	6.8	SR4	8/18/2019 13:06	28.59	71.6	5.39	8.0	SR4	8/18/2019 19:06	28.83	79.9	6.01	8.1
SR4	8/18/2019 1:11	28.62	66.5	5.01	8.0	SR4	8/18/2019 7:11	28.60	69.1	5.20	7.4	SR4	8/18/2019 13:11	28.67	68.8	5.18	6.4	SR4	8/18/2019 19:11	28.95	82.2	6.19	7.3
SR4	8/18/2019 1:16	28.57	73.2	5.51	6.6	SR4	8/18/2019 7:16	28.65	67.0	5.05	6.3	SR4	8/18/2019 13:16	28.63	72.5	5.46	6.4	SR4	8/18/2019 19:16	29.03	76.5	5.76	8.1
SR4	8/18/2019 1:21	28.63	72.7	5.48	6.0	SR4	8/18/2019 7:21	28.57	65.8	4.96	6.0	SR4	8/18/2019 13:21	28.78	71.6	5.39	8.0	SR4	8/18/2019 19:21	28.98	76.8	5.78	8.5
SR4	8/18/2019 1:26	28.67	69.5	5.24	7.8	SR4	8/18/2019 7:26	28.55	68.2	5.14	7.5	SR4	8/18/2019 13:26	28.68	68.0	5.13	8.0	SR4	8/18/2019 19:26	28.97	75.8	5.70	7.4
SR4	8/18/2019 1:31	28.61	77.1	5.81	6.4	SR4	8/18/2019 7:31	28.58	67.7	5.10	8.1	SR4	8/18/2019 13:31	28.76	71.8	5.40	6.2	SR4	8/18/2019 19:31	28.99	78.9	5.94	8.0
SR4	8/18/2019 1:36	28.70	76.1	5.73	8.3	SR4	8/18/2019 7:36	28.55	71.2	5.36	6.7	SR4	8/18/2019 13:36	28.74	74.5	5.61	7.0	SR4	8/18/2019 19:36	28.96	75.8	5.71	9.0
SR4	8/18/2019 1:41	28.66	77.1	5.80	6.1	SR4	8/18/2019 7:41	28.57	68.9	5.19	6.0	SR4	8/18/2019 13:41	28.63	74.1	5.58	8.0	SR4	8/18/2019 19:41	28.98	76.6	5.76	8.1
SR4	8/18/2019 1:46	28.69	73.6	5.54	8.1	SR4	8/18/2019 7:46	28.47	67.6	5.09	6.1	SR4	8/18/2019 13:46	28.66	74.9	5.64	6.5	SR4	8/18/2019 19:46	29.06	79.8	6.01	7.3
SR4	8/18/2019 1:51	28.73	69.8	5.26	7.8	SR4	8/18/2019 7:51	28.50	68.5	5.16	6.0	SR4	8/18/2019 13:51	28.63	69.6	5.25	7.3	SR4	8/18/2019 19:51	29.11	76.3	5.74	7.7
SR4	8/18/2019 1:56	28.70	70.9	5.34	6.1	SR4	8/18/2019 7:56	28.55	75.1	5.66	7.3	SR4	8/18/2019 13:56	28.66	68.7	5.17	7.7	SR4	8/18/2019 19:56	29.16	78.6	5.92	8.0
SR4	8/18/2019 2:01	28.75	67.8	5.11	8.8	SR4	8/18/2019 8:01	28.50	67.3	5.07	7.6	SR4	8/18/2019 14:01	28.88	70.1	5.28	6.9	SR4	8/18/2019 20:01	29.16	81.3	6.12	7.9
SR4	8/18/2019 2:06	28.79	69.5	5.23	12.0	SR4	8/18/2019 8:06	28.48	73.2	5.51	5.8	SR4	8/18/2019 14:06	28.93	72.5	5.46	8.6	SR4	8/18/2019 20:06	29.17	82.5	6.21	7.5
SR4	8/18/2019 2:11	28.79	71.4	5.38	7.8	SR4	8/18/2019 8:11	28.53	72.4	5.45	7.0	SR4	8/18/2019 14:11	28.67	68.4	5.15	7.5	SR4	8/18/2019 20:11	29.19	84.4	6.35	7.0
SR4	8/18/2019 2:16	28.81	73.3	5.52	6.5	SR4	8/18/2019 8:16	28.58	72.3	5.45	7.7	SR4	8/18/2019 14:16	28.84	70.7	5.33	8.0	SR4	8/18/2019 20:16	29.19	81.4	6.13	7.8
SR4	8/18/2019 2:21	28.78	76.4	5.75	6.5	SR4	8/18/2019 8:21	28.61	72.2	5.44	7.5	SR4	8/18/2019 14:21	28.98	73.3	5.52	7.2	SR4	8/18/2019 20:21	29.20	80.7	6.08	7.6
SR4	8/18/2019 2:26	28.83	71.6	5.39	7.2	SR4	8/18/2019 8:26	28.62	71.8	5.41	6.4	SR4	8/18/2019 14:26	28.89	75.3	5.87	5.8	SR4	8/18/2019 20:26	29.21	77.3	5.82	7.5
SR4	8/18/2019 2:31	28.82	71.7	5.40	6.5	SR4	8/18/2019 8:31	28.66	72.3	5.45	6.4	SR4	8/18/2019 14:31	29.19	80.3	6.04	5.8	SR4	8/18/2019 20:31	29.22	78.3	5.90	7.4
SR4	8/18/2019 2:36	28.77	74.4	5.60	6.2	SR4	8/18/2019 8:36	28.60	70.0	5.28	8.2	SR4	8/18/2019 14:36	28.89	74.8	5.63	8.3	SR4	8/18/2019 20:36	29.25	77.5	5.84	8.4
SR4	8/18/2019 2:41	28.87	67.4	5.08	7.1	SR4	8/18/2019 8:41	28.66	72.4	5.45	8.2	SR4	8/18/2019 14:41	29.18	75.1	5.65	6.9	SR4	8/18/2019 20:41	29.24	77.9	5.86	8.6
SR4	8/18/2019 2:46	28.90	71.1	5.35	8.3	SR4	8/18/2019 8:46	28.66	75.4	5.68	7.6	SR4	8/18/2019 14:46	29.25	81.6	6.14	7.4	SR4	8/18/2019 20:46	29.26	79.4	5.98	7.9
SR4	8/18/2019 2:51	29.02	72.9	5.49	7.4	SR4	8/18/2019 8:51	28.65	70.8	5.33	5.2	SR4	8/18/2019 14:51	29.28	79.5	5.99	8.8	SR4	8/18/2019 20:51	29.25	82.4	6.20	7.1
SR4	8/18/2019 2:56	29.04	72.7	5.47	6.6	SR4	8/18/2019 8:56	28.63	71.5	5.39	5.5	SR4	8/18/2019 14:56	29.19	79.0	5.95	7.8	SR4	8/18/2019 20:56	29.25	78.9	5.94	9.0
SR4	8/18/2019 3:01	29.06	74.7	5.63	9.0	SR4	8/18/2019 9:01	28.55	68.4	5.15	6.4	SR4	8/18/2019 15:01	29.26	81.5	6.13	7.7	SR4	8/18/2019 21:01	29.25	83.4	6.28	8.2
SR4	8/18/2019 3:06	29.05	76.9	5.79	8.2	SR4	8/18/2019 9:06	28.56	67.5	5.08	7.7	SR4	8/18/2019 15:06	29.17	76.2	5.74	8.4	SR4	8/18/2019 21:06	29.21	81.0	6.10	8.2
SR4	8/18/2019 3:11	28.98	74.3	5.60	7.8	SR4	8/18/2019 9:11	28.62	70.2	5.28	6.6	SR4	8/18/2019 15:11	29.10	75.9	5.71	7.6	SR4	8/18/2019 21:11	29.21	86.7	6.52	7.9
SR4	8/18/2019 3:16	29.03	77.3	5.82	10.3	SR4	8/18/2019 9:16	28.64	69.4	5.23	6.4	SR4	8/18/2019 15:16	28.89	74.0	5.57	6.5	SR4	8/18/2019 21:16	29.21	86.2	6.48	7.4
SR4	8/18/2019 3:21	29.03	73.7	5.55	8.0	SR4	8/18/2019 9:21	28.65	74.8	5.64	5.3	SR4	8/18/2019 15:21	29.01	74.8	5.63	7.8	SR4	8/18/2019 21:21	29.22	78.4	5.90	6.2
SR4	8/18/2019 3:26	29.06	76.2	5.73	7.3	SR4	8/18/2019 9:26	28.71	72.8	5.48	6.7	SR4	8/18/2019 15:26	29.12	79.3	5.97	7.5	SR4	8/18/2019 21:26	29.20	79.7	6.00	7.4
SR4	8/18/2019 3:31	29.02	77.1	5.81	5.7	SR4	8/18/2019 9:31	28.73	75.8	5.71	5.8	SR4	8/18/2019 15:31	29.94	76.5	5.76	7.7	SR4	8/18/2019 21:31	29.19	79.7	6.00	7.1
SR4	8/18/2019 3:36	28.99	69.8	5.26	5.3	SR4	8/18/2019 9:36	28.80	77.1	5.80	7.5	SR4	8/18/2019 15:36	29.01	74.7	5.62	7.8	SR4	8/18/2019 21:36	29.21	75.7	5.70	7.6
SR4	8/18/2019 3:41	29.05	72.0	5.42	6.1	SR4	8/18/2019 9:41	28.84	71.1	5.35	5.1	SR4	8/18/2019 15:41	28.97	74.8	5.63	6.6	SR4	8/18/2019 21:41	29.21	75.5	5.68	8.8
SR4	8/18/2019 3:46	29.07	75.9	5.71	6.4	SR4	8/18/2019 9:46	28.83	71.4	5.38	6.7	SR4	8/18/2019 15:46	29.17	77.1	5.80	7.3	SR4	8/18/2019 21:46	29.20	77.8	5.85	6.9
SR4	8/18/2019 3:51	29.08	72.8	5.48	5.6	SR4	8/18/2019 9:51	28.86	71.6	5.39	5.9	SR4	8/18/2019 15:51	29.18	76.7	5.77	6.9	SR4	8/18/2019 21:51	29.21	77.4	5.83	7.7
SR4	8/18/2019 3:56	29.05	72.5	5.46	8.0	SR4	8/18/2019 9:56																

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/18/2019 0:00	27.94	79.1	5.93	6.8	SR5	8/18/2019 6:00	28.99	77.3	5.82	5.6	SR5	8/18/2019 12:00	28.06	82.2	6.16	5.7	SR5	8/18/2019 18:00	28.93	81.2	6.11	6.9
SR5	8/18/2019 0:05	28.08	79.6	5.99	7.1	SR5	8/18/2019 6:05	28.96	78.6	5.89	7.1	SR5	8/18/2019 12:05	28.04	77.2	5.79	4.7	SR5	8/18/2019 18:05	28.93	87.1	6.54	6.7
SR5	8/18/2019 0:10	27.75	77.6	5.84	5.3	SR5	8/18/2019 6:10	28.94	77.5	5.81	6.0	SR5	8/18/2019 12:10	28.01	81.7	6.12	6.5	SR5	8/18/2019 18:10	28.95	84.7	6.38	7.8
SR5	8/18/2019 0:15	28.10	76.7	5.77	7.0	SR5	8/18/2019 6:15	28.94	77.6	5.81	6.3	SR5	8/18/2019 12:15	28.07	82.2	6.16	6.1	SR5	8/18/2019 18:15	28.95	86.0	6.45	7.9
SR5	8/18/2019 0:20	28.16	80.9	6.09	6.3	SR5	8/18/2019 6:20	28.98	77.6	5.82	4.8	SR5	8/18/2019 12:20	28.12	81.1	6.08	6.1	SR5	8/18/2019 18:20	28.94	80.9	6.09	7.2
SR5	8/18/2019 0:25	28.23	78.9	5.92	5.3	SR5	8/18/2019 6:25	28.97	81.3	6.09	7.0	SR5	8/18/2019 12:25	28.15	74.9	5.61	6.0	SR5	8/18/2019 18:25	28.95	81.7	6.13	6.9
SR5	8/18/2019 0:30	28.19	79.8	5.98	5.9	SR5	8/18/2019 6:30	28.93	77.3	5.79	5.5	SR5	8/18/2019 12:30	28.08	78.4	5.88	5.3	SR5	8/18/2019 18:30	28.95	82.1	6.15	6.0
SR5	8/18/2019 0:35	28.21	79.2	5.93	6.3	SR5	8/18/2019 6:35	28.95	76.0	5.70	6.5	SR5	8/18/2019 12:35	28.11	75.4	5.65	5.4	SR5	8/18/2019 18:35	28.94	80.8	6.05	5.8
SR5	8/18/2019 0:40	28.17	77.6	5.84	6.9	SR5	8/18/2019 6:40	28.93	79.9	5.99	7.3	SR5	8/18/2019 12:40	28.27	77.9	5.84	6.6	SR5	8/18/2019 18:40	28.94	82.9	6.22	5.6
SR5	8/18/2019 0:45	28.13	83.1	6.25	5.2	SR5	8/18/2019 6:45	28.96	76.0	5.69	5.4	SR5	8/18/2019 12:45	28.26	80.0	5.99	4.3	SR5	8/18/2019 18:45	28.94	84.2	6.31	5.8
SR5	8/18/2019 0:50	28.11	78.5	5.91	5.2	SR5	8/18/2019 6:50	28.96	79.5	5.96	6.2	SR5	8/18/2019 12:50	28.22	76.7	5.75	5.0	SR5	8/18/2019 18:50	28.94	84.7	6.35	6.8
SR5	8/18/2019 0:55	28.11	82.9	6.21	5.8	SR5	8/18/2019 6:55	28.94	78.3	5.86	6.2	SR5	8/18/2019 12:55	28.22	79.5	5.95	5.3	SR5	8/18/2019 18:55	28.93	81.0	6.07	8.1
SR5	8/18/2019 1:00	28.12	77.2	5.81	6.0	SR5	8/18/2019 7:00	28.96	80.4	6.02	6.2	SR5	8/18/2019 13:00	28.24	77.5	5.80	4.2	SR5	8/18/2019 19:00	28.93	79.2	5.96	7.8
SR5	8/18/2019 1:05	28.12	81.2	6.09	7.0	SR5	8/18/2019 7:05	28.96	79.4	5.95	5.7	SR5	8/18/2019 13:05	28.08	76.2	5.71	6.2	SR5	8/18/2019 19:05	28.92	84.6	6.35	7.3
SR5	8/18/2019 1:10	28.12	79.2	5.96	7.4	SR5	8/18/2019 7:10	28.94	78.3	5.87	5.2	SR5	8/18/2019 13:10	28.14	78.4	5.88	4.9	SR5	8/18/2019 19:10	28.93	84.2	6.32	7.7
SR5	8/18/2019 1:15	28.01	80.4	6.06	5.8	SR5	8/18/2019 7:15	28.94	79.1	5.93	4.9	SR5	8/18/2019 13:15	28.17	77.1	5.78	6.1	SR5	8/18/2019 19:15	28.93	81.8	6.13	5.6
SR5	8/18/2019 1:20	28.10	82.5	6.18	6.7	SR5	8/18/2019 7:20	28.93	81.8	6.13	6.9	SR5	8/18/2019 13:20	28.36	80.8	6.06	4.4	SR5	8/18/2019 19:20	28.93	83.3	6.24	8.0
SR5	8/18/2019 1:25	28.07	78.6	5.89	8.4	SR5	8/18/2019 7:25	28.92	79.4	5.95	4.9	SR5	8/18/2019 13:25	28.44	78.2	5.86	7.0	SR5	8/18/2019 19:25	28.93	84.7	6.36	7.7
SR5	8/18/2019 1:30	28.06	81.2	6.09	6.5	SR5	8/18/2019 7:30	28.91	78.3	5.86	5.9	SR5	8/18/2019 13:30	28.41	78.0	5.85	6.2	SR5	8/18/2019 19:30	28.94	84.9	6.37	8.4
SR5	8/18/2019 1:35	28.11	79.9	5.99	5.8	SR5	8/18/2019 7:35	28.83	77.2	5.78	6.5	SR5	8/18/2019 13:35	28.48	81.6	6.12	5.8	SR5	8/18/2019 19:35	28.94	85.4	6.40	8.3
SR5	8/18/2019 1:40	28.09	79.3	5.94	7.1	SR5	8/18/2019 7:40	28.89	77.7	5.82	6.2	SR5	8/18/2019 13:40	28.57	87.8	6.60	5.1	SR5	8/18/2019 19:40	28.94	84.5	6.34	7.0
SR5	8/18/2019 1:45	28.07	79.5	5.96	6.3	SR5	8/18/2019 7:45	28.83	80.5	6.03	7.3	SR5	8/18/2019 13:45	28.58	83.0	6.22	4.8	SR5	8/18/2019 19:45	28.94	82.7	6.20	7.3
SR5	8/18/2019 1:50	28.07	80.3	6.02	7.4	SR5	8/18/2019 7:50	28.76	79.1	5.93	4.9	SR5	8/18/2019 13:50	28.57	79.7	5.97	6.1	SR5	8/18/2019 19:50	28.94	85.0	6.38	6.7
SR5	8/18/2019 1:55	28.09	82.3	6.17	6.5	SR5	8/18/2019 7:55	28.67	77.8	5.83	5.8	SR5	8/18/2019 13:55	28.65	80.1	6.00	5.0	SR5	8/18/2019 19:55	28.94	85.5	6.41	5.4
SR5	8/18/2019 2:00	28.11	81.6	6.12	6.4	SR5	8/18/2019 8:00	28.62	77.1	5.78	5.4	SR5	8/18/2019 14:00	28.75	88.7	6.67	6.1	SR5	8/18/2019 20:00	28.94	83.6	6.27	6.4
SR5	8/18/2019 2:05	28.13	77.3	5.79	6.4	SR5	8/18/2019 8:05	27.80	77.9	5.83	5.6	SR5	8/18/2019 14:05	28.88	78.7	5.90	4.7	SR5	8/18/2019 20:05	28.94	86.2	6.47	8.7
SR5	8/18/2019 2:10	28.18	79.2	5.94	6.7	SR5	8/18/2019 8:10	28.66	82.1	6.16	5.5	SR5	8/18/2019 14:10	28.90	80.5	6.03	6.4	SR5	8/18/2019 20:10	28.94	82.8	6.20	7.8
SR5	8/18/2019 2:15	28.17	77.9	5.84	6.6	SR5	8/18/2019 8:15	27.73	77.9	5.84	6.5	SR5	8/18/2019 14:15	28.83	81.3	6.10	5.6	SR5	8/18/2019 20:15	28.94	85.4	6.41	6.5
SR5	8/18/2019 2:20	28.15	80.9	6.07	5.7	SR5	8/18/2019 8:20	27.56	82.1	6.15	5.5	SR5	8/18/2019 14:20	28.85	88.2	6.63	5.6	SR5	8/18/2019 20:20	28.90	82.4	6.18	6.1
SR5	8/18/2019 2:25	28.15	78.6	5.89	7.0	SR5	8/18/2019 8:25	27.57	82.4	6.17	5.1	SR5	8/18/2019 14:25	28.84	87.8	6.60	6.5	SR5	8/18/2019 20:25	28.90	87.2	6.54	6.0
SR5	8/18/2019 2:30	28.15	81.8	6.13	6.7	SR5	8/18/2019 8:30	27.55	77.0	5.77	5.3	SR5	8/18/2019 14:30	28.89	92.1	6.92	6.2	SR5	8/18/2019 20:30	28.83	85.1	6.38	7.9
SR5	8/18/2019 2:35	28.16	80.5	6.03	7.0	SR5	8/18/2019 8:35	27.57	80.2	6.01	10.0	SR5	8/18/2019 14:35	28.86	81.5	6.11	6.6	SR5	8/18/2019 20:35	28.88	84.6	6.34	7.7
SR5	8/18/2019 2:40	28.18	78.3	5.87	6.9	SR5	8/18/2019 8:40	27.58	81.2	6.09	6.9	SR5	8/18/2019 14:40	28.87	79.9	5.99	6.8	SR5	8/18/2019 20:40	28.81	81.2	6.12	6.5
SR5	8/18/2019 2:45	28.30	82.3	6.17	6.0	SR5	8/18/2019 8:45	27.51	82.0	6.15	5.1	SR5	8/18/2019 14:45	28.87	81.2	6.09	4.5	SR5	8/18/2019 20:45	28.70	83.3	6.24	5.8
SR5	8/18/2019 2:50	28.23	75.3	5.64	7.3	SR5	8/18/2019 8:50	27.45	83.8	6.29	6.8	SR5	8/18/2019 14:50	28.83	78.2	5.86	6.0	SR5	8/18/2019 20:50	28.66	87.5	6.56	6.0
SR5	8/18/2019 2:55	28.37	76.5	5.74	6.1	SR5	8/18/2019 8:55	27.51	83.0	6.22	6.3	SR5	8/18/2019 14:55	28.97	77.2	5.78	8.0	SR5	8/18/2019 20:55	28.69	81.9	6.17	7.6
SR5	8/18/2019 3:00	28.37	79.5	5.96	7.3	SR5	8/18/2019 9:00	27.48	80.4	6.02	6.9	SR5	8/18/2019 15:00	28.95	77.5	5.81	7.7	SR5	8/18/2019 21:00	28.39	84.4	6.35	7.3
SR5	8/18/2019 3:05	28.53	76.3	5.71	6.1	SR5	8/18/2019 9:05	27.46	80.2	6.01	5.9	SR5	8/18/2019 15:05	28.93	82.1	6.16	8.3	SR5	8/18/2019 21:05	28.19	83.7	6.28	7.3
SR5	8/18/2019 3:10	28.60	78.8	5.91	5.8	SR5	8/18/2019 9:10	27.46	78.4	5.88	6.6	SR5	8/18/2019 15:10	28.95	82.9	6.22	6.5	SR5	8/18/2019 21:10	27.97	79.8	6.01	5.8
SR5	8/18/2019 3:15	28.55	78.5	5.88	5.1	SR5	8/18/2019 9:15	27.42	80.3	6.02	6.5	SR5	8/18/2019 15:15	28.93	80.6	6.05	7.3	SR5	8/18/2019 21:15	27.75	81.6	6.12	5.6
SR5	8/18/2019 3:20	28.49	78.6	5.89	6.6	SR5	8/18/2019 9:20	27.40	81.1	6.08	5.8	SR5	8/18/2019 15:20	28.91	79.6	5.96	7.5	SR5	8/18/2019 21:20	27.72	82.5	6.19	6.9
SR5	8/18/2019 3:25	28.56	76.6	5.74	5.4	SR5	8/18/2019 9:25	27.36	78.0	5.84	5.7	SR5	8/18/2019 15:25	28.88	82.6	6.19	7.6	SR5	8/18/2019 21:25	27.73	85.4	6.43	6.8
SR5	8/18/2019 3:30	28.62	79.0	5.92	6.3	SR5	8/18/2019 9:30	27.33	81.3	6.09	5.2	SR5	8/18/2019 15:30	28.83	83.9	6.29	7.4	SR5	8/18/2019 21:30	27.71	82.6	6.22	8.1
SR5	8/18/2019 3:35	28.54	76.0	5.70	5.7	SR5	8/18/2019 9:35	27.32	80.8	6.05	7.0	SR5	8/18/2019 15:35	28.86	83.4	6.25	6.2	SR5	8/18/2019 21:35	27.69	84.7	6.35	7.8
SR5	8/18/2019 3:40	28.53	80.8	6.05	5.6	SR5	8/18/2019 9:40	27.29	83.4	6.25	5.5	SR5	8/18/2019 15:40	28.83	83.3	6.25	6.6	SR5	8/18/2019 21:40	27.68	85.9	6.44	7.4
SR5	8/18/2019 3:45	28.71	75.8	5.68	6.7	SR5	8/18/2019 9:45	27.22	81.8	6.14	5.4	SR5	8/18/2019 15:45	28.86	82.3	6.17	6.2	SR5	8/18/2019 21:45	27.67	84.0	6.30	8.1
SR5	8/18/2019 3:50	28.76	74.6	5.59	7.9	SR5	8/18/2019 9:50	27.24	80.5	6.03	5.6	SR5	8/18/2019 15:50	28.87	84.1	6.31	7.4	SR5	8/18/2019 21:50	27.66	82.4	6.20	7.2
SR5	8/18/2019 3:55	28.74	77.5	5.80	9.9	SR5	8/18/2019 9:55	2															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/18/2019 0:01	28.44	64.3	4.80	7.7	SR12	8/18/2019 6:01	27.78	58.3	4.35	6.1	SR12	8/18/2019 12:01	27.78	66.2	4.94	6.7	SR12	8/18/2019 18:01	28.14	73.0	5.45	6.0
SR12	8/18/2019 0:06	28.45	66.2	4.94	8.7	SR12	8/18/2019 6:06	27.78	54.3	4.05	6.8	SR12	8/18/2019 12:06	27.72	66.7	4.98	7.8	SR12	8/18/2019 18:06	28.15	70.4	5.25	6.6
SR12	8/18/2019 0:11	28.44	65.5	4.89	7.8	SR12	8/18/2019 6:11	27.80	61.1	4.56	6.6	SR12	8/18/2019 12:11	27.67	64.2	4.79	6.2	SR12	8/18/2019 18:11	28.15	69.1	5.16	7.7
SR12	8/18/2019 0:16	28.24	57.5	4.29	5.5	SR12	8/18/2019 6:16	27.86	66.7	4.98	6.7	SR12	8/18/2019 12:16	27.49	64.6	4.82	7.7	SR12	8/18/2019 18:16	28.15	67.1	5.01	7.1
SR12	8/18/2019 0:21	28.38	62.3	4.65	6.7	SR12	8/18/2019 6:21	27.84	56.7	4.23	5.5	SR12	8/18/2019 12:21	27.65	66.2	4.94	6.3	SR12	8/18/2019 18:21	28.16	67.8	5.06	8.8
SR12	8/18/2019 0:26	28.40	65.0	4.85	7.1	SR12	8/18/2019 6:26	27.84	56.5	4.22	6.0	SR12	8/18/2019 12:26	27.84	70.4	5.25	6.7	SR12	8/18/2019 18:26	28.17	68.2	5.09	8.1
SR12	8/18/2019 0:31	28.42	66.3	4.95	8.2	SR12	8/18/2019 6:31	27.84	57.4	4.28	6.3	SR12	8/18/2019 12:31	27.88	71.2	5.31	6.7	SR12	8/18/2019 18:31	28.18	69.4	5.18	8.0
SR12	8/18/2019 0:36	28.37	62.2	4.64	8.6	SR12	8/18/2019 6:36	27.84	53.1	3.96	5.3	SR12	8/18/2019 12:36	27.99	76.0	5.67	7.3	SR12	8/18/2019 18:36	28.19	73.2	5.46	7.8
SR12	8/18/2019 0:41	28.42	66.6	4.97	7.0	SR12	8/18/2019 6:41	27.84	51.9	3.87	6.7	SR12	8/18/2019 12:41	28.04	78.3	5.84	1.3	SR12	8/18/2019 18:41	28.19	69.9	5.22	7.3
SR12	8/18/2019 0:46	28.43	66.7	4.98	6.6	SR12	8/18/2019 6:46	27.84	60.6	4.52	7.1	SR12	8/18/2019 12:46	27.93	73.8	5.51	6.5	SR12	8/18/2019 18:46	28.19	70.8	5.28	6.4
SR12	8/18/2019 0:51	28.44	69.1	5.16	8.2	SR12	8/18/2019 6:51	27.84	58.8	4.39	8.1	SR12	8/18/2019 12:51	27.93	69.9	5.22	7.5	SR12	8/18/2019 18:51	28.19	70.2	5.24	9.0
SR12	8/18/2019 0:56	28.45	65.8	4.91	8.8	SR12	8/18/2019 6:56	27.84	55.2	4.12	6.2	SR12	8/18/2019 12:56	27.78	65.8	4.91	7.5	SR12	8/18/2019 18:56	28.20	72.0	5.37	7.8
SR12	8/18/2019 1:01	28.45	65.9	4.92	8.7	SR12	8/18/2019 7:01	27.82	60.0	4.48	7.2	SR12	8/18/2019 13:01	27.82	68.7	5.13	6.5	SR12	8/18/2019 19:01	28.20	68.3	5.10	6.8
SR12	8/18/2019 1:06	28.44	65.8	4.91	8.6	SR12	8/18/2019 7:06	27.79	52.1	3.89	7.6	SR12	8/18/2019 13:06	27.81	65.5	4.89	6.8	SR12	8/18/2019 19:06	28.21	67.9	5.07	6.1
SR12	8/18/2019 1:11	28.42	63.9	4.77	6.9	SR12	8/18/2019 7:11	27.78	54.7	4.08	6.3	SR12	8/18/2019 13:11	27.83	68.6	5.12	6.3	SR12	8/18/2019 19:11	28.21	67.5	5.04	7.0
SR12	8/18/2019 1:16	28.44	65.9	4.92	9.1	SR12	8/18/2019 7:16	27.80	55.1	4.11	6.8	SR12	8/18/2019 13:16	27.80	65.8	4.91	6.6	SR12	8/18/2019 19:16	28.19	71.6	5.34	8.2
SR12	8/18/2019 1:21	28.25	62.7	4.68	8.7	SR12	8/18/2019 7:21	27.65	54.7	4.08	6.6	SR12	8/18/2019 13:21	27.73	65.8	4.91	6.8	SR12	8/18/2019 19:21	28.21	73.2	5.46	7.7
SR12	8/18/2019 1:26	28.39	64.2	4.79	8.2	SR12	8/18/2019 7:26	27.70	59.5	4.44	7.4	SR12	8/18/2019 13:26	27.38	59.9	4.47	6.0	SR12	8/18/2019 19:26	28.24	73.6	5.49	8.4
SR12	8/18/2019 1:31	28.32	63.0	4.70	8.3	SR12	8/18/2019 7:31	27.37	59.9	4.47	7.3	SR12	8/18/2019 13:31	27.75	66.3	4.95	6.2	SR12	8/18/2019 19:31	28.24	77.2	5.76	8.3
SR12	8/18/2019 1:36	28.23	61.9	4.62	7.9	SR12	8/18/2019 7:36	27.48	58.3	4.35	6.3	SR12	8/18/2019 13:36	27.30	56.1	4.19	7.1	SR12	8/18/2019 19:36	28.24	76.2	5.69	8.5
SR12	8/18/2019 1:41	28.41	62.6	4.67	7.3	SR12	8/18/2019 7:41	27.35	54.7	4.08	7.9	SR12	8/18/2019 13:41	27.34	60.7	4.53	7.2	SR12	8/18/2019 19:41	28.23	71.2	5.31	6.5
SR12	8/18/2019 1:46	28.42	61.8	4.61	8.4	SR12	8/18/2019 7:46	27.41	55.1	4.11	7.8	SR12	8/18/2019 13:46	27.33	60.6	4.52	7.6	SR12	8/18/2019 19:46	28.22	72.2	5.39	8.0
SR12	8/18/2019 1:51	28.45	64.7	4.83	9.4	SR12	8/18/2019 7:51	27.40	55.5	4.14	6.2	SR12	8/18/2019 13:51	27.55	69.9	5.22	6.5	SR12	8/18/2019 19:51	28.24	69.5	5.19	7.2
SR12	8/18/2019 1:56	28.44	63.9	4.77	8.5	SR12	8/18/2019 7:56	27.38	50.9	3.80	6.9	SR12	8/18/2019 13:56	27.32	62.2	4.64	7.0	SR12	8/18/2019 19:56	28.22	69.0	5.15	8.3
SR12	8/18/2019 2:01	28.39	61.1	4.56	8.2	SR12	8/18/2019 8:01	27.31	51.1	3.81	6.2	SR12	8/18/2019 14:01	27.47	64.2	4.79	7.1	SR12	8/18/2019 20:01	28.24	65.4	4.88	7.7
SR12	8/18/2019 2:06	28.42	59.8	4.46	7.5	SR12	8/18/2019 8:06	27.31	62.6	4.67	6.9	SR12	8/18/2019 14:06	27.27	58.2	4.34	6.8	SR12	8/18/2019 20:06	28.22	63.8	4.76	7.6
SR12	8/18/2019 2:11	28.39	61.4	4.58	8.4	SR12	8/18/2019 8:11	27.18	50.5	3.77	6.2	SR12	8/18/2019 14:11	27.47	64.3	4.80	7.9	SR12	8/18/2019 20:11	28.23	59.8	4.46	8.0
SR12	8/18/2019 2:16	28.20	59.9	4.47	7.3	SR12	8/18/2019 8:16	27.12	62.6	4.67	8.6	SR12	8/18/2019 14:16	27.40	63.0	4.70	6.8	SR12	8/18/2019 20:16	28.24	63.5	4.74	6.8
SR12	8/18/2019 2:21	28.27	59.9	4.47	8.1	SR12	8/18/2019 8:21	27.06	59.1	4.41	7.2	SR12	8/18/2019 14:21	27.42	65.8	4.91	8.1	SR12	8/18/2019 20:21	28.24	59.1	4.41	8.0
SR12	8/18/2019 2:26	28.29	61.8	4.61	7.3	SR12	8/18/2019 8:26	27.07	56.0	4.18	6.0	SR12	8/18/2019 14:26	27.41	63.9	4.77	7.4	SR12	8/18/2019 20:26	28.18	63.9	4.77	7.3
SR12	8/18/2019 2:31	28.28	61.4	4.58	8.1	SR12	8/18/2019 8:31	26.99	91.5	6.83	4.7	SR12	8/18/2019 14:31	27.41	64.6	4.82	5.9	SR12	8/18/2019 20:31	27.99	62.6	4.67	6.8
SR12	8/18/2019 2:36	28.31	60.3	4.50	8.6	SR12	8/18/2019 8:36	26.98	54.8	4.09	6.6	SR12	8/18/2019 14:36	27.39	63.0	4.70	7.1	SR12	8/18/2019 20:36	28.13	61.1	4.56	6.9
SR12	8/18/2019 2:41	28.26	62.2	4.64	5.4	SR12	8/18/2019 8:41	26.99	56.5	4.22	6.7	SR12	8/18/2019 14:41	27.39	63.1	4.71	7.7	SR12	8/18/2019 20:41	28.02	64.6	4.82	7.6
SR12	8/18/2019 2:46	28.18	60.3	4.50	6.7	SR12	8/18/2019 8:46	26.94	54.3	4.05	6.9	SR12	8/18/2019 14:46	27.42	61.9	4.62	6.2	SR12	8/18/2019 20:46	27.87	61.1	4.56	7.5
SR12	8/18/2019 2:51	28.18	59.8	4.46	8.4	SR12	8/18/2019 8:51	26.98	92.1	6.87	7.2	SR12	8/18/2019 14:51	27.43	62.3	4.65	5.8	SR12	8/18/2019 20:51	28.04	61.8	4.61	7.8
SR12	8/18/2019 2:56	28.22	57.1	4.26	7.3	SR12	8/18/2019 8:56	26.92	54.0	4.03	6.9	SR12	8/18/2019 14:56	27.46	66.2	4.94	7.8	SR12	8/18/2019 20:56	28.10	60.7	4.53	8.3
SR12	8/18/2019 3:01	28.22	58.7	4.38	7.0	SR12	8/18/2019 9:01	26.62	56.5	4.22	7.0	SR12	8/18/2019 15:01	27.47	64.7	4.83	6.4	SR12	8/18/2019 21:01	28.12	61.8	4.61	7.7
SR12	8/18/2019 3:06	28.27	59.1	4.41	7.4	SR12	8/18/2019 9:06	26.96	59.1	4.41	6.7	SR12	8/18/2019 15:06	27.47	65.0	4.85	6.6	SR12	8/18/2019 21:06	27.97	59.8	4.46	6.7
SR12	8/18/2019 3:11	28.27	61.4	4.58	8.1	SR12	8/18/2019 9:11	26.85	89.9	6.71	6.6	SR12	8/18/2019 15:11	27.45	64.6	4.82	6.0	SR12	8/18/2019 21:11	27.89	55.5	4.14	6.8
SR12	8/18/2019 3:16	28.26	63.1	4.71	6.8	SR12	8/18/2019 9:16	26.79	91.5	6.83	6.7	SR12	8/18/2019 15:16	27.42	66.2	4.94	6.1	SR12	8/18/2019 21:16	27.92	55.1	4.11	6.7
SR12	8/18/2019 3:21	28.02	55.5	4.14	6.6	SR12	8/18/2019 9:21	26.68	92.5	6.90	7.3	SR12	8/18/2019 15:21	27.43	65.1	4.86	7.5	SR12	8/18/2019 21:21	27.67	51.7	3.86	6.7
SR12	8/18/2019 3:26	28.20	58.2	4.34	16.0	SR12	8/18/2019 9:26	26.74	60.8	4.54	8.2	SR12	8/18/2019 15:26	27.42	68.2	5.09	6.3	SR12	8/18/2019 21:26	27.95	59.5	4.44	7.9
SR12	8/18/2019 3:31	28.07	55.9	4.17	8.7	SR12	8/18/2019 9:31	26.75	56.3	4.20	7.7	SR12	8/18/2019 15:31	27.39	68.3	5.10	6.0	SR12	8/18/2019 21:31	27.75	55.9	4.17	17.5
SR12	8/18/2019 3:36	28.17	57.0	4.25	7.7	SR12	8/18/2019 9:36	26.77	55.5	4.14	6.8	SR12	8/18/2019 15:36	27.37	65.8	4.91	6.5	SR12	8/18/2019 21:36	27.56	51.5	3.84	6.6
SR12	8/18/2019 3:41	27.97	53.1	3.96	7.5	SR12	8/18/2019 9:41	26.80	57.1	4.26	6.7	SR12	8/18/2019 15:41	27.39	66.6	4.97	6.8	SR12	8/18/2019 21:41	27.91	55.7	4.16	7.7
SR12	8/18/2019 3:46	27.90	51.7	3.86	8.4	SR12	8/18/2019 9:46	26.86	56.0	4.18	7.0	SR12	8/18/2019 15:46	27.45	69.1	5.16	7.6	SR12	8/18/2019 21:46	27.67	59.1	4.41	7.6
SR12	8/18/2019 3:51	27.73	58.0	4.33	8.0	SR12	8/18/2019 9:51	26.95	56.3	4.20	7.2	SR12	8/18/2019 15:51	27.47									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/18/2019 0:00	28.65	83.5	6.29	5.8	SR13	8/18/2019 6:00	29.16	84.8	6.39	6.6	SR13	8/18/2019 12:00	28.99	85.5	6.45	5.8	SR13	8/18/2019 18:00	29.29	81.7	6.16	6.2
SR13	8/18/2019 0:05	28.64	82.1	6.19	6.4	SR13	8/18/2019 6:05	29.27	80.2	6.04	6.9	SR13	8/18/2019 12:05	28.94	89.0	6.72	5.1	SR13	8/18/2019 18:05	29.30	82.2	6.20	5.7
SR13	8/18/2019 0:10	28.64	84.7	6.39	6.8	SR13	8/18/2019 6:10	29.25	77.8	5.66	6.5	SR13	8/18/2019 12:10	28.94	87.6	6.60	5.9	SR13	8/18/2019 18:10	29.30	81.0	6.11	6.6
SR13	8/18/2019 0:15	28.59	85.7	6.46	6.4	SR13	8/18/2019 6:15	29.24	80.2	6.04	8.2	SR13	8/18/2019 12:15	28.93	90.8	6.85	6.0	SR13	8/18/2019 18:15	29.32	79.1	5.96	6.7
SR13	8/18/2019 0:20	28.57	86.1	6.50	5.7	SR13	8/18/2019 6:20	29.35	81.9	6.17	5.0	SR13	8/18/2019 12:20	28.94	90.1	6.80	6.3	SR13	8/18/2019 18:20	29.31	82.7	6.23	7.5
SR13	8/18/2019 0:25	28.56	84.2	6.36	5.7	SR13	8/18/2019 6:25	29.41	83.0	6.25	6.4	SR13	8/18/2019 12:25	28.91	86.0	6.48	6.6	SR13	8/18/2019 18:25	29.27	80.5	6.07	6.3
SR13	8/18/2019 0:30	28.54	85.6	6.46	6.3	SR13	8/18/2019 6:30	29.52	83.3	6.28	6.6	SR13	8/18/2019 12:30	28.88	88.7	6.69	6.5	SR13	8/18/2019 18:30	29.25	80.1	6.04	6.5
SR13	8/18/2019 0:35	28.53	83.5	6.31	6.2	SR13	8/18/2019 6:35	29.50	81.5	6.15	7.4	SR13	8/18/2019 12:35	28.94	88.9	6.70	6.0	SR13	8/18/2019 18:35	29.25	78.2	5.89	7.7
SR13	8/18/2019 0:40	28.50	89.4	6.75	6.7	SR13	8/18/2019 6:40	29.50	82.2	6.20	5.4	SR13	8/18/2019 12:40	28.91	90.2	6.80	6.8	SR13	8/18/2019 18:40	29.24	81.5	6.16	6.8
SR13	8/18/2019 0:45	28.50	86.9	6.56	6.3	SR13	8/18/2019 6:45	29.52	85.5	6.45	5.9	SR13	8/18/2019 12:45	28.90	86.2	6.50	6.3	SR13	8/18/2019 18:45	29.27	78.2	5.89	7.0
SR13	8/18/2019 0:50	28.48	87.1	6.57	6.0	SR13	8/18/2019 6:50	29.57	79.6	6.00	5.0	SR13	8/18/2019 12:50	28.86	87.0	6.56	6.7	SR13	8/18/2019 18:50	29.26	81.6	6.16	6.9
SR13	8/18/2019 0:55	28.49	87.3	6.59	5.8	SR13	8/18/2019 6:55	29.67	80.6	6.08	5.6	SR13	8/18/2019 12:55	28.83	85.9	6.47	6.4	SR13	8/18/2019 18:55	29.21	82.5	6.23	7.0
SR13	8/18/2019 1:00	28.46	83.9	6.33	7.2	SR13	8/18/2019 7:00	29.64	79.6	6.00	6.0	SR13	8/18/2019 13:00	28.86	87.6	6.60	6.9	SR13	8/18/2019 19:00	29.25	78.0	5.89	6.8
SR13	8/18/2019 1:05	28.42	80.6	6.08	1.6	SR13	8/18/2019 7:05	29.61	80.0	6.02	5.8	SR13	8/18/2019 13:05	28.81	85.3	6.43	6.3	SR13	8/18/2019 19:05	29.23	77.7	5.86	7.1
SR13	8/18/2019 1:10	28.40	86.2	6.51	5.7	SR13	8/18/2019 7:10	29.67	81.3	6.13	5.4	SR13	8/18/2019 13:10	28.78	90.5	6.82	7.1	SR13	8/18/2019 19:10	29.19	81.5	6.16	6.8
SR13	8/18/2019 1:15	28.38	82.8	6.25	5.7	SR13	8/18/2019 7:15	29.64	79.2	5.97	6.1	SR13	8/18/2019 13:15	29.06	87.0	6.56	6.9	SR13	8/18/2019 19:15	29.17	81.3	6.14	6.4
SR13	8/18/2019 1:20	28.38	85.4	6.45	7.0	SR13	8/18/2019 7:20	29.75	80.9	6.09	6.5	SR13	8/18/2019 13:20	29.00	90.0	6.79	6.0	SR13	8/18/2019 19:20	29.16	76.9	5.80	6.1
SR13	8/18/2019 1:25	28.38	85.0	6.42	6.4	SR13	8/18/2019 7:25	29.73	82.1	6.18	6.1	SR13	8/18/2019 13:25	29.09	84.2	6.35	7.2	SR13	8/18/2019 19:25	29.18	80.8	6.09	5.9
SR13	8/18/2019 1:30	28.35	82.7	6.24	5.2	SR13	8/18/2019 7:30	29.72	82.7	6.24	2.2	SR13	8/18/2019 13:30	29.30	83.6	6.30	6.4	SR13	8/18/2019 19:30	29.22	81.3	6.13	6.8
SR13	8/18/2019 1:35	28.32	82.8	6.25	6.3	SR13	8/18/2019 7:35	29.70	82.0	6.18	3.1	SR13	8/18/2019 13:35	29.42	87.8	6.62	7.5	SR13	8/18/2019 19:35	29.24	79.2	5.97	6.6
SR13	8/18/2019 1:40	28.32	78.3	5.91	5.8	SR13	8/18/2019 7:40	29.67	79.1	5.96	2.5	SR13	8/18/2019 13:40	29.38	83.6	6.30	6.6	SR13	8/18/2019 19:40	29.26	80.7	6.08	7.0
SR13	8/18/2019 1:45	28.35	82.3	6.21	6.0	SR13	8/18/2019 7:45	29.64	83.2	6.27	3.9	SR13	8/18/2019 13:45	29.43	85.6	6.45	6.8	SR13	8/18/2019 19:45	29.17	80.1	6.04	6.4
SR13	8/18/2019 1:50	28.33	76.7	5.79	5.9	SR13	8/18/2019 7:50	29.61	80.9	6.10	4.8	SR13	8/18/2019 13:50	29.41	84.5	6.37	6.7	SR13	8/18/2019 19:50	29.20	81.4	6.13	6.9
SR13	8/18/2019 1:55	28.32	81.0	6.10	5.6	SR13	8/18/2019 7:55	29.59	83.2	6.27	5.7	SR13	8/18/2019 13:55	29.42	86.7	6.53	5.7	SR13	8/18/2019 19:55	29.20	78.6	5.94	7.0
SR13	8/18/2019 2:00	28.32	82.1	6.20	6.4	SR13	8/18/2019 8:00	29.62	78.6	5.92	5.9	SR13	8/18/2019 14:00	29.36	81.9	6.18	7.0	SR13	8/18/2019 20:00	29.18	81.8	6.18	6.8
SR13	8/18/2019 2:05	28.37	79.5	6.00	7.0	SR13	8/18/2019 8:05	29.53	79.8	6.02	6.6	SR13	8/18/2019 14:05	29.35	88.0	6.63	6.2	SR13	8/18/2019 20:05	29.19	80.1	6.05	8.4
SR13	8/18/2019 2:10	28.43	81.6	6.16	5.6	SR13	8/18/2019 8:10	29.58	83.4	6.29	6.2	SR13	8/18/2019 14:10	29.36	83.0	6.26	6.1	SR13	8/18/2019 20:10	29.17	79.9	6.03	5.6
SR13	8/18/2019 2:15	28.47	80.3	6.06	7.7	SR13	8/18/2019 8:15	29.58	78.6	5.92	5.4	SR13	8/18/2019 14:15	29.16	81.6	6.15	5.7	SR13	8/18/2019 20:15	29.17	81.9	6.18	6.5
SR13	8/18/2019 2:20	28.65	80.6	6.07	7.2	SR13	8/18/2019 8:20	29.58	80.0	6.04	5.9	SR13	8/18/2019 14:20	29.16	86.6	6.53	6.9	SR13	8/18/2019 20:20	29.17	79.7	6.02	6.4
SR13	8/18/2019 2:25	28.61	79.8	6.02	5.3	SR13	8/18/2019 8:25	29.56	80.8	6.09	7.2	SR13	8/18/2019 14:25	29.16	83.0	6.26	5.9	SR13	8/18/2019 20:25	29.16	83.4	6.29	6.9
SR13	8/18/2019 2:30	28.31	76.8	5.80	4.8	SR13	8/18/2019 8:30	29.55	81.9	6.18	6.4	SR13	8/18/2019 14:30	29.15	84.6	6.38	6.5	SR13	8/18/2019 20:30	29.17	81.9	6.19	6.6
SR13	8/18/2019 2:35	28.54	77.2	5.83	5.8	SR13	8/18/2019 8:35	29.55	80.7	6.08	5.8	SR13	8/18/2019 14:35	29.18	83.6	6.30	6.6	SR13	8/18/2019 20:35	29.16	83.7	6.31	7.3
SR13	8/18/2019 2:40	28.62	78.0	5.89	6.6	SR13	8/18/2019 8:40	29.56	82.0	6.18	5.1	SR13	8/18/2019 14:40	29.13	84.7	6.38	6.6	SR13	8/18/2019 20:40	29.14	80.8	6.10	7.6
SR13	8/18/2019 2:45	28.71	78.5	5.92	5.5	SR13	8/18/2019 8:45	29.57	84.3	6.35	5.9	SR13	8/18/2019 14:45	29.13	82.1	6.19	6.8	SR13	8/18/2019 20:45	29.14	82.1	6.19	7.3
SR13	8/18/2019 2:50	28.74	81.6	6.15	5.9	SR13	8/18/2019 8:50	29.60	81.6	6.15	5.9	SR13	8/18/2019 14:50	29.06	84.4	6.37	6.4	SR13	8/18/2019 20:50	29.14	79.6	5.99	6.2
SR13	8/18/2019 2:55	28.77	81.3	6.13	6.3	SR13	8/18/2019 8:55	29.69	80.0	6.03	6.2	SR13	8/18/2019 14:55	29.91	85.1	6.42	6.4	SR13	8/18/2019 20:55	29.19	85.6	6.45	6.6
SR13	8/18/2019 3:00	28.79	79.9	6.04	6.8	SR13	8/18/2019 9:00	29.68	80.8	6.09	6.5	SR13	8/18/2019 15:00	29.02	86.2	6.50	6.8	SR13	8/18/2019 21:00	29.24	87.4	6.59	5.7
SR13	8/18/2019 3:05	28.76	81.6	6.16	5.4	SR13	8/18/2019 9:05	29.70	78.5	5.91	6.4	SR13	8/18/2019 15:05	29.04	85.9	6.47	5.6	SR13	8/18/2019 21:05	29.27	88.1	6.64	5.4
SR13	8/18/2019 3:10	28.75	80.4	6.07	5.7	SR13	8/18/2019 9:10	29.73	81.0	6.11	5.3	SR13	8/18/2019 15:10	29.04	81.6	6.15	6.2	SR13	8/18/2019 21:10	29.28	86.2	6.50	6.1
SR13	8/18/2019 3:15	28.75	81.8	6.16	5.4	SR13	8/18/2019 9:15	29.77	82.1	6.18	5.5	SR13	8/18/2019 15:15	29.08	86.7	6.53	6.3	SR13	8/18/2019 21:15	29.28	88.6	6.68	6.6
SR13	8/18/2019 3:20	28.75	78.2	5.90	6.4	SR13	8/18/2019 9:20	29.78	82.5	6.22	6.7	SR13	8/18/2019 15:20	29.10	82.9	6.24	5.6	SR13	8/18/2019 21:20	29.28	85.2	6.44	7.1
SR13	8/18/2019 3:25	28.75	84.2	6.35	7.6	SR13	8/18/2019 9:25	29.79	81.8	6.16	6.6	SR13	8/18/2019 15:25	29.09	82.0	6.18	6.4	SR13	8/18/2019 21:25	29.27	84.9	6.40	6.1
SR13	8/18/2019 3:30	28.75	80.5	6.08	7.4	SR13	8/18/2019 9:30	29.77	82.5	6.22	5.1	SR13	8/18/2019 15:30	29.10	82.7	6.23	5.7	SR13	8/18/2019 21:30	29.27	88.5	6.67	7.5
SR13	8/18/2019 3:35	28.71	84.4	6.38	5.9	SR13	8/18/2019 9:35	29.79	81.7	6.16	6.2	SR13	8/18/2019 15:35	29.14	83.1	6.27	7.0	SR13	8/18/2019 21:35	29.27	85.4	6.44	5.9
SR13	8/18/2019 3:40	28.76	84.0	6.33	6.1	SR13	8/18/2019 9:40	29.76	86.1	6.49	7.0	SR13	8/18/2019 15:40	29.24	84.4	6.36	5.8	SR13	8/18/2019 21:40	29.26	87.5	6.60	7.4
SR13	8/18/2019 3:45	28.78	80.8	6.09	7.0	SR13	8/18/2019 9:45	29.75	84.5	6.37	5.4	SR13	8/18/2019 15:45	29.29	82.0	6.18	7.1	SR13	8/18/2019 21:45	29.27	86.5	6.53	6.9
SR13	8/18/2019 3:50	28.81	85.4	6.44	6.5	SR13	8/18/2019 9:50	29.74	82.6	6.22	6.0	SR13	8/18/2019 15:50	29.27									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/18/2019 0:17	0.30				SR12	8/18/2019 0:17	0.35			
SR4	8/18/2019 0:37	0.30				SR12	8/18/2019 0:37	0.35			
SR4	8/18/2019 0:57	0.32				SR12	8/18/2019 0:57	0.36			
SR4	8/18/2019 1:17	0.31				SR12	8/18/2019 1:17	0.37			
SR4	8/18/2019 1:37	0.31				SR12	8/18/2019 1:37	0.36			
SR4	8/18/2019 1:57	0.30				SR12	8/18/2019 1:57	0.36			
SR4	8/18/2019 2:17	0.32				SR12	8/18/2019 2:17	0.35			
SR4	8/18/2019 2:37	0.31				SR12	8/18/2019 2:37	0.37			
SR4	8/18/2019 2:57	0.30				SR12	8/18/2019 2:57	0.36			
SR4	8/18/2019 3:17	0.32				SR12	8/18/2019 3:17	0.37			
SR4	8/18/2019 3:37	0.32				SR12	8/18/2019 3:37	0.35			
SR4	8/18/2019 3:57	0.31				SR12	8/18/2019 3:57	0.37			
SR4	8/18/2019 4:17	0.31				SR12	8/18/2019 4:17	0.37			
SR4	8/18/2019 4:37	0.31				SR12	8/18/2019 4:37	0.36			
SR4	8/18/2019 4:57	0.31				SR12	8/18/2019 4:57	0.36			
SR4	8/18/2019 5:17	0.30				SR12	8/18/2019 5:17	0.37			
SR4	8/18/2019 5:37	0.28				SR12	8/18/2019 5:37	0.37			
SR4	8/18/2019 5:57	0.30				SR12	8/18/2019 5:57	0.35			
SR4						SR12					
SR4	8/18/2019 6:37	0.28				SR12	8/18/2019 6:37	0.35			
SR4	8/18/2019 6:57	0.30				SR12	8/18/2019 6:57	0.35			
SR4	8/18/2019 7:17	0.29				SR12	8/18/2019 7:17	0.36			
SR4	8/18/2019 7:37	0.30				SR12	8/18/2019 7:37	0.36			
SR4	8/18/2019 7:57	0.28				SR12	8/18/2019 7:57	0.37			
SR4	8/18/2019 8:17	0.30				SR12	8/18/2019 8:17	0.37			
SR4	8/18/2019 8:37	0.30				SR12	8/18/2019 8:37	0.36			
SR4	8/18/2019 8:57	0.28				SR12	8/18/2019 8:57	0.35			
SR4	8/18/2019 9:17	0.29				SR12	8/18/2019 9:17	0.35			
SR4	8/18/2019 9:37	0.29				SR12	8/18/2019 9:37	0.36			
SR4	8/18/2019 9:57	0.30				SR12	8/18/2019 9:57	0.35			
SR4	8/18/2019 10:17	0.28				SR12	8/18/2019 10:17	0.36			
SR4	8/18/2019 10:37	0.30				SR12	8/18/2019 10:37	0.35			
SR4	8/18/2019 10:57	0.28				SR12	8/18/2019 10:57	0.35			
SR4	8/18/2019 11:17	0.28				SR12	8/18/2019 11:17	0.35			
SR4	8/18/2019 11:37	0.27				SR12	8/18/2019 11:37	0.35			
SR4	8/18/2019 11:57	0.27				SR12	8/18/2019 11:57	0.36			
SR4	8/18/2019 12:17	0.28				SR12	8/18/2019 12:17	0.35			
SR4	8/18/2019 12:37	0.26				SR12	8/18/2019 12:37	0.35			
SR4	8/18/2019 12:57	0.27				SR12	8/18/2019 12:57	0.34			
SR4	8/18/2019 13:17	0.27				SR12	8/18/2019 13:17	0.34			
SR4	8/18/2019 13:37	0.26				SR12	8/18/2019 13:37	0.34			
SR4	8/18/2019 13:57	0.28				SR12	8/18/2019 13:57	0.34			
SR4	8/18/2019 14:17	0.28				SR12	8/18/2019 14:17	0.33			
SR4	8/18/2019 14:37	0.28				SR12	8/18/2019 14:37	0.34			
SR4	8/18/2019 14:57	0.26				SR12	8/18/2019 14:57	0.34			
SR4	8/18/2019 15:17	0.27				SR12	8/18/2019 15:17	0.33			
SR4	8/18/2019 15:37	0.26				SR12	8/18/2019 15:37	0.34			
SR4	8/18/2019 15:57	0.28				SR12	8/18/2019 15:57	0.34			
SR4	8/18/2019 16:17	0.28				SR12	8/18/2019 16:17	0.34			
SR4	8/18/2019 16:37	0.28				SR12	8/18/2019 16:37	0.33			
SR4	8/18/2019 16:57	0.27				SR12	8/18/2019 16:57	0.33			
SR4	8/18/2019 17:17	0.26				SR12	8/18/2019 17:17	0.34			
SR4	8/18/2019 17:37	0.26				SR12	8/18/2019 17:37	0.33			
SR4	8/18/2019 17:57	0.25				SR12	8/18/2019 17:57	0.34			
SR4	8/18/2019 18:17	0.26				SR12	8/18/2019 18:17	0.34			
SR4	8/18/2019 18:37	0.26				SR12	8/18/2019 18:37	0.34			
SR4	8/18/2019 18:57	0.25				SR12	8/18/2019 18:57	0.33			
SR4	8/18/2019 19:17	0.26				SR12	8/18/2019 19:17	0.33			
SR4	8/18/2019 19:37	0.25				SR12	8/18/2019 19:37	0.33			
SR4	8/18/2019 19:57	0.25				SR12	8/18/2019 19:57	0.34			
SR4	8/18/2019 20:17	0.24				SR12	8/18/2019 20:17	0.34			
SR4	8/18/2019 20:37	0.26				SR12	8/18/2019 20:37	0.33			
SR4	8/18/2019 20:57	0.24				SR12	8/18/2019 20:57	0.31			
SR4	8/18/2019 21:17	0.24				SR12	8/18/2019 21:17	0.33			
SR4	8/18/2019 21:37	0.26				SR12	8/18/2019 21:37	0.33			
SR4	8/18/2019 21:57	0.24				SR12	8/18/2019 21:57	0.31			
SR4	8/18/2019 22:17	0.26				SR12	8/18/2019 22:17	0.33			
SR4	8/18/2019 22:37	0.24				SR12	8/18/2019 22:37	0.32			
SR4	8/18/2019 22:57	0.26				SR12	8/18/2019 22:57	0.33			
SR4	8/18/2019 23:17	0.24				SR12	8/18/2019 23:17	0.32			
SR4	8/18/2019 23:37	0.25				SR12	8/18/2019 23:37	0.32			
SR4	8/18/2019 23:57	0.25				SR12	8/18/2019 23:57	0.33			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/19/2019 0:01	28.83	71.9	5.41	6.9	SR4	8/19/2019 6:01	28.59	70.6	5.32	7.3	SR4	8/19/2019 12:01	28.35	69.6	5.24	5.4	SR4	8/19/2019 18:01	28.85	71.9	5.41	6.2
SR4	8/19/2019 0:06	28.73	66.3	4.99	8.0	SR4	8/19/2019 6:06	28.58	70.6	5.32	8.6	SR4	8/19/2019 12:06	28.42	70.3	5.30	4.2	SR4	8/19/2019 18:06	28.79	68.7	5.17	5.8
SR4	8/19/2019 0:11	28.82	67.8	5.10	8.3	SR4	8/19/2019 6:11	28.58	73.3	5.52	7.7	SR4	8/19/2019 12:11	28.35	66.4	5.00	5.3	SR4	8/19/2019 18:11	28.81	71.5	5.38	6.7
SR4	8/19/2019 0:16	28.85	70.3	5.29	7.9	SR4	8/19/2019 6:16	28.57	72.3	5.44	7.2	SR4						SR4	8/19/2019 18:16	28.99	73.7	5.55	5.9
SR4	8/19/2019 0:21	28.87	70.8	5.33	7.1	SR4	8/19/2019 6:21	28.55	68.7	5.17	7.2	SR4						SR4	8/19/2019 18:21	28.92	70.3	5.29	5.7
SR4	8/19/2019 0:26	28.79	67.1	5.05	7.6	SR4	8/19/2019 6:26	28.53	70.2	5.29	7.3	SR4						SR4	8/19/2019 18:26	28.90	70.7	5.32	7.0
SR4	8/19/2019 0:31	28.78	69.2	5.21	6.7	SR4	8/19/2019 6:31	28.55	69.2	5.21	6.4	SR4						SR4	8/19/2019 18:31	28.87	68.4	5.15	6.1
SR4	8/19/2019 0:36	28.82	67.5	5.08	7.1	SR4	8/19/2019 6:36	28.56	69.3	5.22	7.1	SR4						SR4	8/19/2019 18:36	28.96	71.7	5.39	7.2
SR4	8/19/2019 0:41	28.70	69.8	5.26	7.8	SR4	8/19/2019 6:41	28.56	69.9	5.26	8.4	SR4						SR4	8/19/2019 18:41	28.92	73.4	5.52	6.2
SR4	8/19/2019 0:46	28.83	68.7	5.17	8.4	SR4	8/19/2019 6:46	28.48	69.7	5.25	6.3	SR4						SR4	8/19/2019 18:46	28.91	72.0	5.42	7.4
SR4	8/19/2019 0:51	28.70	68.6	5.16	12.2	SR4	8/19/2019 6:51	28.49	67.7	5.10	5.0	SR4						SR4	8/19/2019 18:51	28.92	70.6	5.31	7.5
SR4	8/19/2019 0:56	28.62	67.2	5.06	7.4	SR4	8/19/2019 6:56	28.53	67.2	5.06	4.0	SR4						SR4	8/19/2019 18:56	28.92	72.8	5.48	8.0
SR4	8/19/2019 1:01	28.77	66.9	5.04	6.7	SR4	8/19/2019 7:01	28.55	67.4	5.08	6.5	SR4						SR4	8/19/2019 19:01	28.90	73.1	5.50	7.1
SR4	8/19/2019 1:06	28.65	69.6	5.24	6.9	SR4	8/19/2019 7:06	28.54	64.0	4.82	5.1	SR4						SR4	8/19/2019 19:06	28.88	72.5	5.46	6.5
SR4	8/19/2019 1:11	28.58	67.7	5.10	7.4	SR4	8/19/2019 7:11	28.53	67.8	5.10	5.8	SR4						SR4	8/19/2019 19:11	28.89	72.7	5.47	6.0
SR4	8/19/2019 1:16	28.62	64.7	4.87	7.5	SR4	8/19/2019 7:16	28.44	67.9	5.11	6.6	SR4						SR4	8/19/2019 19:16	28.89	73.4	5.53	6.4
SR4	8/19/2019 1:21	28.67	66.4	5.00	7.3	SR4	8/19/2019 7:21	28.40	67.9	5.11	5.8	SR4	8/19/2019 13:21	28.44	69.7	5.25	6.1	SR4	8/19/2019 19:21	28.80	69.5	5.23	6.8
SR4	8/19/2019 1:26	28.57	64.8	4.88	6.6	SR4	8/19/2019 7:26	28.44	65.3	4.91	5.4	SR4	8/19/2019 13:26	28.30	69.6	5.24	6.7	SR4	8/19/2019 19:26	28.86	71.8	5.40	6.6
SR4	8/19/2019 1:31	28.51	64.7	4.87	8.2	SR4	8/19/2019 7:31	28.42	68.7	5.17	5.6	SR4	8/19/2019 13:31	28.27	73.0	5.49	6.5	SR4	8/19/2019 19:31	28.88	71.6	5.39	6.4
SR4	8/19/2019 1:36	28.53	62.8	4.73	7.8	SR4	8/19/2019 7:36	28.40	63.9	4.81	5.7	SR4	8/19/2019 13:36	28.46	66.9	5.04	6.0	SR4	8/19/2019 19:36	28.90	72.1	5.43	6.5
SR4	8/19/2019 1:41	28.53	60.9	4.58	7.1	SR4	8/19/2019 7:41	28.39	68.3	5.14	4.6	SR4	8/19/2019 13:41	28.49	73.0	5.49	6.6	SR4	8/19/2019 19:41	28.96	72.7	5.47	5.7
SR4	8/19/2019 1:46	28.51	71.9	5.42	7.4	SR4	8/19/2019 7:46	28.39	69.3	5.22	3.9	SR4	8/19/2019 13:46	28.58	66.8	5.03	5.4	SR4	8/19/2019 19:46	28.98	76.4	5.75	6.4
SR4	8/19/2019 1:51	28.50	65.6	4.94	6.4	SR4	8/19/2019 7:51	28.37	70.4	5.30	4.6	SR4	8/19/2019 13:51	28.46	64.9	4.89	6.0	SR4	8/19/2019 19:51	28.98	75.2	5.66	6.4
SR4	8/19/2019 1:56	28.45	67.7	5.10	7.9	SR4	8/19/2019 7:56	28.35	70.3	5.29	6.3	SR4	8/19/2019 13:56	28.44	62.4	4.70	5.7	SR4	8/19/2019 19:56	28.96	75.2	5.66	3.0
SR4	8/19/2019 2:01	28.47	68.8	5.18	8.1	SR4	8/19/2019 8:01	28.31	70.3	5.30	6.2	SR4	8/19/2019 14:01	28.39	70.0	5.27	6.2	SR4	8/19/2019 20:01	29.02	76.4	5.75	4.5
SR4	8/19/2019 2:06	28.45	69.3	5.21	7.1	SR4	8/19/2019 8:06	28.23	66.1	4.98	6.5	SR4	8/19/2019 14:06	28.73	64.7	4.87	5.9	SR4	8/19/2019 20:06	29.02	72.8	5.48	7.2
SR4	8/19/2019 2:11	28.42	71.6	5.39	7.0	SR4	8/19/2019 8:11	28.16	65.4	4.93	5.9	SR4	8/19/2019 14:11	28.72	64.6	4.87	6.1	SR4	8/19/2019 20:11	28.93	76.9	5.79	7.3
SR4	8/19/2019 2:16	28.52	66.5	5.00	7.9	SR4	8/19/2019 8:16	28.26	67.6	5.09	5.5	SR4	8/19/2019 14:16	28.58	67.1	5.05	5.9	SR4	8/19/2019 20:16	29.02	74.7	5.82	6.0
SR4	8/19/2019 2:21	28.50	63.4	4.77	6.8	SR4	8/19/2019 8:21	28.17	67.1	5.05	5.0	SR4	8/19/2019 14:21	28.34	66.0	4.97	5.9	SR4	8/19/2019 20:21	29.01	77.7	5.85	6.1
SR4	8/19/2019 2:26	28.48	66.4	5.00	7.4	SR4	8/19/2019 8:26	28.15	65.3	4.92	3.4	SR4	8/19/2019 14:26	28.49	70.9	5.34	5.1	SR4	8/19/2019 20:26	29.01	73.9	5.56	7.0
SR4	8/19/2019 2:31	28.55	68.4	5.15	7.0	SR4	8/19/2019 8:31	28.17	66.4	4.99	6.3	SR4	8/19/2019 14:31	28.45	69.4	5.23	7.4	SR4	8/19/2019 20:31	29.01	73.5	5.54	6.5
SR4	8/19/2019 2:36	28.55	69.0	5.20	7.1	SR4	8/19/2019 8:36	28.14	69.0	5.19	6.1	SR4	8/19/2019 14:36	28.48	67.4	5.07	6.4	SR4	8/19/2019 20:36	29.01	72.4	5.45	5.6
SR4	8/19/2019 2:41	28.62	72.4	5.46	6.8	SR4	8/19/2019 8:41	28.14	65.0	4.89	6.8	SR4	8/19/2019 14:41	28.62	71.4	5.38	5.9	SR4	8/19/2019 20:41	29.01	74.2	5.58	6.5
SR4	8/19/2019 2:46	28.67	73.5	5.54	7.0	SR4	8/19/2019 8:46	28.10	66.5	5.00	6.5	SR4	8/19/2019 14:46	28.53	73.2	5.51	6.4	SR4	8/19/2019 20:46	29.01	76.9	5.79	6.1
SR4	8/19/2019 2:51	28.71	73.9	5.57	8.1	SR4	8/19/2019 8:51	28.18	66.6	5.01	6.6	SR4	8/19/2019 14:51	28.65	71.6	5.39	6.3	SR4	8/19/2019 20:51	28.99	73.6	5.54	6.1
SR4	8/19/2019 2:56	28.73	74.2	5.59	7.7	SR4	8/19/2019 8:56	28.22	67.6	5.09	5.6	SR4	8/19/2019 14:56	28.65	75.5	5.69	5.8	SR4	8/19/2019 20:56	28.99	77.3	5.82	6.7
SR4	8/19/2019 3:01	28.74	76.1	5.74	6.8	SR4	8/19/2019 9:01	28.23	70.3	5.29	6.2	SR4	8/19/2019 15:01	28.90	73.5	5.53	6.0	SR4	8/19/2019 21:01	28.99	75.7	5.70	5.3
SR4	8/19/2019 3:06	28.77	74.7	5.63	4.6	SR4	8/19/2019 9:06	28.19	67.0	5.04	5.7	SR4	8/19/2019 15:06	28.97	78.6	5.92	6.4	SR4	8/19/2019 21:06	28.99	73.6	5.54	5.1
SR4	8/19/2019 3:11	28.82	76.6	5.77	7.6	SR4	8/19/2019 9:11	28.22	67.6	5.09	6.6	SR4	8/19/2019 15:11	28.88	78.5	5.91	6.0	SR4	8/19/2019 21:11	29.00	79.1	5.96	5.8
SR4	8/19/2019 3:16	28.79	78.1	5.89	7.7	SR4	8/19/2019 9:16	28.27	72.8	5.48	5.9	SR4	8/19/2019 15:16	28.94	78.7	5.93	6.2	SR4	8/19/2019 21:16	29.02	76.9	5.79	7.0
SR4	8/19/2019 3:21	28.82	73.7	5.55	7.9	SR4	8/19/2019 9:21	28.19	67.4	5.07	5.4	SR4	8/19/2019 15:21	29.05	79.6	6.00	6.8	SR4	8/19/2019 21:21	29.02	74.6	5.62	6.4
SR4	8/19/2019 3:26	28.82	78.4	5.91	6.5	SR4	8/19/2019 9:26	28.16	69.8	5.25	5.9	SR4	8/19/2019 15:26	28.95	77.6	5.84	5.2	SR4	8/19/2019 21:26	29.02	72.8	5.48	5.7
SR4	8/19/2019 3:31	28.88	76.9	5.79	3.5	SR4	8/19/2019 9:31	28.21	71.8	5.40	6.1	SR4	8/19/2019 15:31	28.90	76.5	5.76	6.8	SR4	8/19/2019 21:31	29.03	76.8	5.78	5.7
SR4	8/19/2019 3:36	28.89	80.0	6.03	2.8	SR4	8/19/2019 9:36	28.29	70.7	5.32	7.4	SR4	8/19/2019 15:36	28.95	80.2	6.04	6.6	SR4	8/19/2019 21:36	29.02	74.7	5.62	5.6
SR4	8/19/2019 3:41	28.90	81.4	6.13	2.9	SR4	8/19/2019 9:41	28.37	71.5	5.38	7.1	SR4	8/19/2019 15:41	28.79	79.1	5.96	5.5	SR4	8/19/2019 21:41	29.02	74.2	5.58	7.4
SR4	8/19/2019 3:46	28.92	79.5	5.99	7.3	SR4	8/19/2019 9:46	28.31	71.1	5.35	5.8	SR4	8/19/2019 15:46	28.98	81.2	6.11	7.1	SR4	8/19/2019 21:46	29.03	74.6	5.61	6.3
SR4	8/19/2019 3:51	28.93	78.9	5.94	6.9	SR4	8/19/2019 9:51	28.37	73.4	5.52	6.1	SR4	8/19/2019 15:51	29.08	80.2	6.03	5.6	SR4	8/19/2019 21:51	29.04	77.5	5.84	6.3
SR4	8/19/2019 3:56	28.90	79.1	5.96	9.0	SR4	8/19/2019 9:56	28.37	69.2	5.21	6.9	SR4	8/19/2019 15:56	29.06	82.8	6.24	7.1	SR4	8/19/2019 21:56	29.06	76.5	5.76	6.6
SR4	8/19/2019 4:01	28.80	72.2	5.44	6.1	SR4	8/19/2019 10:01	28.38	69.2	5.21	6.4	SR4	8/19/2019 16:01	29.07	77.8	5.86	6.7	SR4	8/19/2019 22:01	29.05	74.0	5.57	6.2
SR4	8/19/2019 4:06	28.66	73.8	5																			

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/19/2019 0:00	27.25	77.9	5.86	8.6	SR5	8/19/2019 6:00	28.60	76.8	5.75	7.2	SR5	8/19/2019 12:00	27.93	82.7	6.20	4.8	SR5	8/19/2019 18:00	29.13	82.0	6.15	6.7
SR5	8/19/2019 0:05	27.22	80.6	6.06	8.6	SR5	8/19/2019 6:05	28.60	78.1	5.85	8.3	SR5	8/19/2019 12:05	27.80	83.4	6.25	5.9	SR5	8/19/2019 18:05	29.07	82.7	6.20	5.7
SR5	8/19/2019 0:10	27.20	80.0	6.03	7.9	SR5	8/19/2019 6:10	28.59	80.2	6.01	7.2	SR5	8/19/2019 12:10	27.86	82.4	6.18	6.3	SR5	8/19/2019 18:10	29.14	78.0	5.85	5.9
SR5	8/19/2019 0:15	27.24	79.0	5.92	7.1	SR5	8/19/2019 6:15	28.59	77.9	5.86	6.0	SR5	8/19/2019 12:15	27.87	83.2	6.24	6.0	SR5	8/19/2019 18:15	29.07	79.5	5.98	6.4
SR5	8/19/2019 0:20	27.23	79.7	5.97	7.6	SR5	8/19/2019 6:20	28.58	77.4	5.79	5.7	SR5	8/19/2019 12:20	27.84	84.5	6.34	5.1	SR5	8/19/2019 18:20	29.08	79.6	5.99	6.6
SR5	8/19/2019 0:25	27.23	79.1	5.95	8.5	SR5	8/19/2019 6:25	28.60	80.7	6.05	4.9	SR5	8/19/2019 12:25	27.90	82.3	6.18	4.9	SR5	8/19/2019 18:25	29.10	80.3	6.04	5.7
SR5	8/19/2019 0:30	27.24	78.2	5.88	7.5	SR5	8/19/2019 6:30	28.60	78.4	5.87	7.6	SR5	8/19/2019 12:30	27.93	80.6	6.04	6.8	SR5	8/19/2019 18:30	29.12	82.0	6.17	7.6
SR5	8/19/2019 0:35	27.59	81.1	6.10	7.9	SR5	8/19/2019 6:35	28.59	78.2	5.86	6.3	SR5	8/19/2019 12:35	27.91	82.2	6.17	5.0	SR5	8/19/2019 18:35	29.11	77.5	5.84	7.4
SR5	8/19/2019 0:40	27.66	81.5	6.13	8.0	SR5	8/19/2019 6:40	28.57	75.3	5.64	7.8	SR5	8/19/2019 12:40	27.77	83.3	6.24	7.1	SR5	8/19/2019 18:40	29.11	80.3	6.05	5.8
SR5	8/19/2019 0:45	27.98	80.1	6.03	7.8	SR5	8/19/2019 6:45	28.57	77.2	5.79	6.8	SR5	8/19/2019 12:45	27.84	80.2	6.01	6.0	SR5	8/19/2019 18:45	29.06	80.2	6.04	6.1
SR5	8/19/2019 0:50	27.97	79.0	5.94	7.9	SR5	8/19/2019 6:50	28.57	80.2	6.01	6.1	SR5	8/19/2019 12:50	27.86	82.2	6.16	5.0	SR5	8/19/2019 18:50	29.02	82.6	6.22	6.1
SR5	8/19/2019 0:55	27.98	75.7	5.70	8.6	SR5	8/19/2019 6:55	28.60	79.0	5.92	5.4	SR5	8/19/2019 12:55	27.89	77.5	5.81	6.3	SR5	8/19/2019 18:55	28.99	85.8	6.44	5.8
SR5	8/19/2019 1:00	28.05	77.9	5.87	8.0	SR5	8/19/2019 7:00	28.59	77.3	5.79	5.4	SR5	8/19/2019 13:00	27.95	77.2	5.78	7.3	SR5	8/19/2019 19:00	28.97	82.0	6.15	6.3
SR5	8/19/2019 1:05	28.06	77.1	5.80	8.6	SR5	8/19/2019 7:05	28.60	78.3	5.87	5.6	SR5	8/19/2019 13:05	28.00	76.3	5.71	5.3	SR5	8/19/2019 19:05	28.94	84.4	6.33	6.0
SR5	8/19/2019 1:10	28.01	79.1	5.92	8.2	SR5	8/19/2019 7:10	28.58	78.7	5.90	7.0	SR5	8/19/2019 13:10	28.11	78.3	5.87	5.2	SR5	8/19/2019 19:10	29.01	79.7	5.98	5.5
SR5	8/19/2019 1:15	27.98	74.9	5.61	8.1	SR5	8/19/2019 7:15	28.57	79.1	5.93	5.9	SR5	8/19/2019 13:15	28.17	76.4	5.73	6.3	SR5	8/19/2019 19:15	29.05	86.5	6.49	6.4
SR5	8/19/2019 1:20	27.97	76.3	5.72	7.8	SR5	8/19/2019 7:20	28.59	80.9	6.06	6.3	SR5	8/19/2019 13:20	28.34	78.1	5.85	6.2	SR5	8/19/2019 19:20	29.07	82.0	6.15	6.1
SR5	8/19/2019 1:25	27.97	79.0	5.92	7.4	SR5	8/19/2019 7:25	28.58	77.6	5.81	5.9	SR5	8/19/2019 13:25	28.41	75.7	5.67	5.5	SR5	8/19/2019 19:25	29.09	81.1	6.08	7.4
SR5	8/19/2019 1:30	27.95	74.3	5.56	8.4	SR5	8/19/2019 7:30	28.57	80.3	6.02	6.3	SR5	8/19/2019 13:30	28.37	77.3	5.79	5.4	SR5	8/19/2019 19:30	29.15	79.3	5.97	6.8
SR5	8/19/2019 1:35	27.96	78.3	5.87	7.3	SR5	8/19/2019 7:35	28.57	76.9	5.76	7.3	SR5	8/19/2019 13:35	28.37	77.8	5.83	5.7	SR5	8/19/2019 19:35	29.15	82.2	6.16	5.6
SR5	8/19/2019 1:40	27.97	74.7	5.59	7.5	SR5	8/19/2019 7:40	28.57	79.3	5.94	7.2	SR5	8/19/2019 13:40	28.41	78.4	5.87	5.5	SR5	8/19/2019 19:40	28.93	85.8	6.44	7.0
SR5	8/19/2019 1:45	27.97	75.7	5.67	7.0	SR5	8/19/2019 7:45	28.58	75.7	5.67	6.9	SR5	8/19/2019 13:45	28.47	80.8	6.06	5.7	SR5	8/19/2019 19:45	29.11	81.7	6.13	5.8
SR5	8/19/2019 1:50	27.94	79.4	5.95	7.9	SR5	8/19/2019 7:50	28.56	74.2	5.56	7.7	SR5	8/19/2019 13:50	28.40	84.7	6.35	5.7	SR5	8/19/2019 19:50	28.88	82.3	6.17	5.5
SR5	8/19/2019 1:55	27.91	78.8	5.91	8.0	SR5	8/19/2019 7:55	28.46	72.9	5.46	6.5	SR5	8/19/2019 13:55	28.35	82.5	6.19	4.6	SR5	8/19/2019 19:55	28.84	82.8	6.21	7.2
SR5	8/19/2019 2:00	27.96	77.6	5.81	7.8	SR5	8/19/2019 8:00	28.46	75.5	5.66	6.8	SR5	8/19/2019 14:00	28.33	81.0	6.08	6.0	SR5	8/19/2019 20:00	28.85	81.5	6.11	5.5
SR5	8/19/2019 2:05	27.91	79.0	5.92	8.7	SR5	8/19/2019 8:05	28.44	74.9	5.61	6.4	SR5	8/19/2019 14:05	28.35	85.4	6.41	6.3	SR5	8/19/2019 20:05	28.82	83.1	6.23	5.4
SR5	8/19/2019 2:10	27.93	81.3	6.09	8.3	SR5	8/19/2019 8:10	28.34	76.5	5.73	6.3	SR5	8/19/2019 14:10	28.27	86.3	6.48	4.8	SR5	8/19/2019 20:10	28.87	81.4	6.10	5.3
SR5	8/19/2019 2:15	27.92	76.8	5.76	6.9	SR5	8/19/2019 8:15	28.34	76.5	5.73	5.1	SR5	8/19/2019 14:15	28.31	85.5	6.42	4.6	SR5	8/19/2019 20:15	28.83	81.9	6.14	7.3
SR5	8/19/2019 2:20	27.93	80.8	6.06	7.4	SR5	8/19/2019 8:20	28.25	74.5	5.58	5.6	SR5	8/19/2019 14:20	28.34	82.4	6.18	6.3	SR5	8/19/2019 20:20	28.88	80.7	6.05	6.4
SR5	8/19/2019 2:25	27.93	82.8	6.21	7.3	SR5	8/19/2019 8:25	27.51	76.4	5.73	6.4	SR5	8/19/2019 14:25	28.46	87.3	6.55	6.7	SR5	8/19/2019 20:25	28.84	80.6	6.04	7.5
SR5	8/19/2019 2:30	27.95	87.4	6.55	7.6	SR5	8/19/2019 8:30	27.46	74.0	5.54	7.1	SR5	8/19/2019 14:30	28.65	88.1	6.61	5.1	SR5	8/19/2019 20:30	28.91	80.1	6.01	6.4
SR5	8/19/2019 2:35	28.06	83.0	6.22	8.1	SR5	8/19/2019 8:35	27.42	75.5	5.65	5.5	SR5	8/19/2019 14:35	28.64	86.1	6.46	4.7	SR5	8/19/2019 20:35	28.84	79.7	5.97	6.1
SR5	8/19/2019 2:40	28.09	86.5	6.48	12.6	SR5	8/19/2019 8:40	27.42	74.8	5.61	2.5	SR5	8/19/2019 14:40	28.87	87.5	6.56	6.4	SR5	8/19/2019 20:40	28.73	84.3	6.32	6.5
SR5	8/19/2019 2:45	28.03	84.3	6.32	7.2	SR5	8/19/2019 8:45	27.36	75.3	5.64	2.3	SR5	8/19/2019 14:45	29.04	88.2	6.62	6.4	SR5	8/19/2019 20:45	28.81	80.7	6.05	7.8
SR5	8/19/2019 2:50	28.03	85.4	6.40	8.1	SR5	8/19/2019 8:50	27.21	74.3	5.56	5.0	SR5	8/19/2019 14:50	28.98	85.5	6.41	6.3	SR5	8/19/2019 20:50	28.81	81.9	6.14	7.5
SR5	8/19/2019 2:55	28.05	86.0	6.45	7.4	SR5	8/19/2019 8:55	27.22	74.3	5.56	3.1	SR5	8/19/2019 14:55	28.93	84.2	6.31	6.2	SR5	8/19/2019 20:55	28.88	82.3	6.17	7.0
SR5	8/19/2019 3:00	27.99	86.0	6.45	7.4	SR5	8/19/2019 9:00	27.23	75.2	5.63	5.4	SR5	8/19/2019 15:00	29.03	87.5	6.56	6.4	SR5	8/19/2019 21:00	28.79	84.7	6.35	5.5
SR5	8/19/2019 3:05	28.02	86.0	6.45	7.0	SR5	8/19/2019 9:05	27.24	75.0	5.61	5.7	SR5	8/19/2019 15:05	28.99	87.8	6.58	4.6	SR5	8/19/2019 21:05	28.11	79.7	5.97	6.3
SR5	8/19/2019 3:10	28.04	86.3	6.47	7.2	SR5	8/19/2019 9:10	27.25	79.4	5.95	5.8	SR5	8/19/2019 15:10	29.05	85.2	6.39	5.5	SR5	8/19/2019 21:10	28.23	80.6	6.04	7.2
SR5	8/19/2019 3:15	28.05	87.6	6.57	7.4	SR5	8/19/2019 9:15	27.17	79.0	5.92	5.0	SR5	8/19/2019 15:15	28.94	87.6	6.57	6.1	SR5	8/19/2019 21:15	27.96	79.6	5.97	7.4
SR5	8/19/2019 3:20	28.08	78.2	5.86	7.6	SR5	8/19/2019 9:20	27.18	80.7	6.05	4.6	SR5	8/19/2019 15:20	29.08	85.3	6.40	5.6	SR5	8/19/2019 21:20	27.54	78.3	5.87	5.5
SR5	8/19/2019 3:25	28.04	77.7	5.82	7.5	SR5	8/19/2019 9:25	27.11	79.6	5.97	4.8	SR5	8/19/2019 15:25	29.19	83.9	6.29	5.4	SR5	8/19/2019 21:25	27.48	80.5	6.04	6.5
SR5	8/19/2019 3:30	28.02	80.3	6.02	7.3	SR5	8/19/2019 9:30	27.03	80.4	6.03	5.0	SR5	8/19/2019 15:30	29.23	85.4	6.41	7.2	SR5	8/19/2019 21:30	27.51	84.8	6.36	6.5
SR5	8/19/2019 3:35	28.09	85.3	6.39	6.9	SR5	8/19/2019 9:35	27.00	77.3	5.79	3.7	SR5	8/19/2019 15:35	29.28	85.8	6.43	4.6	SR5	8/19/2019 21:35	27.50	83.5	6.27	7.5
SR5	8/19/2019 3:40	28.17	82.7	6.20	7.4	SR5	8/19/2019 9:40	27.03	78.6	5.89	3.6	SR5	8/19/2019 15:40	29.14	83.6	6.27	6.1	SR5	8/19/2019 21:40	27.72	77.8	5.83	5.8
SR5	8/19/2019 3:45	28.26	82.5	6.19	7.4	SR5	8/19/2019 9:45	27.03	77.1	5.78	4.7	SR5	8/19/2019 15:45	29.21	87.2	6.54	5.0	SR5	8/19/2019 21:45	27.50	83.5	6.26	6.6
SR5	8/19/2019 3:50	28.18	81.9	6.14	7.3	SR5	8/19/2019 9:50	27.00	82.0	6.15	4.7	SR5	8/19/2019 15:50	29.16	89.0	6.68	4.8	SR5	8/19/2019 21:50	27.50	81.5	6.11	6.0
SR5	8/19/2019 3:55	28.19	85.3	6.40	6.8	SR5	8/19/2019 9:55	2															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/19/2019 0:01	27.90	58.2	4.34	7.2	SR12	8/19/2019 6:01	27.64	64.3	4.80	5.7	SR12	8/19/2019 12:01	27.77	65.1	4.86	6.0	SR12	8/19/2019 18:01	27.71	66.2	4.94	6.2
SR12	8/19/2019 0:06	27.90	59.8	4.46	6.8	SR12	8/19/2019 6:06	27.63	65.5	4.89	6.6	SR12	8/19/2019 12:06	27.68	61.9	4.62	5.4	SR12	8/19/2019 18:06	27.72	64.7	4.83	5.5
SR12	8/19/2019 0:11	28.06	64.3	4.80	6.8	SR12	8/19/2019 6:11	27.62	66.6	4.97	6.9	SR12	8/19/2019 12:11	27.48	59.8	4.46	6.8	SR12	8/19/2019 18:11	27.75	68.6	5.12	5.7
SR12	8/19/2019 0:16	28.06	62.7	4.68	7.9	SR12	8/19/2019 6:16	27.62	66.3	4.95	7.2	SR12	8/19/2019 12:16	27.68	65.8	4.91	7.2	SR12	8/19/2019 18:16	27.75	65.0	4.85	6.0
SR12	8/19/2019 0:21	28.11	69.1	5.16	7.3	SR12	8/19/2019 6:21	27.62	64.6	4.82	7.5	SR12	8/19/2019 12:21	27.36	59.5	4.44	6.1	SR12	8/19/2019 18:21	27.77	65.8	4.91	7.9
SR12	8/19/2019 0:26	28.14	69.8	5.21	6.7	SR12	8/19/2019 6:26	27.60	61.9	4.62	5.4	SR12	8/19/2019 12:26	27.68	69.1	5.16	7.4	SR12	8/19/2019 18:26	27.78	63.8	4.76	5.9
SR12	8/19/2019 0:31	28.18	68.3	5.10	7.2	SR12	8/19/2019 6:31	27.60	61.8	4.61	7.1	SR12	8/19/2019 12:31	27.78	70.8	5.28	6.0	SR12	8/19/2019 18:31	27.79	65.1	4.86	6.7
SR12	8/19/2019 0:36	28.15	67.0	5.00	9.2	SR12	8/19/2019 6:36	27.59	59.1	4.41	6.2	SR12	8/19/2019 12:36	27.72	67.8	5.06	6.8	SR12	8/19/2019 18:36	27.84	68.3	5.10	6.7
SR12	8/19/2019 0:41	28.15	65.5	4.89	6.6	SR12	8/19/2019 6:41	27.59	61.0	4.55	5.7	SR12	8/19/2019 12:41	27.71	67.0	5.00	5.8	SR12	8/19/2019 18:41	27.84	65.8	4.91	6.1
SR12	8/19/2019 0:46	28.13	65.5	4.89	7.2	SR12	8/19/2019 6:46	27.60	59.0	4.40	5.1	SR12	8/19/2019 12:46	27.69	67.0	5.00	5.2	SR12	8/19/2019 18:46	27.88	72.0	5.37	5.7
SR12	8/19/2019 0:51	28.11	64.7	4.83	7.0	SR12	8/19/2019 6:51	27.60	63.4	4.73	5.9	SR12	8/19/2019 12:51	27.65	65.8	4.91	5.8	SR12	8/19/2019 18:51	27.87	70.2	5.24	5.6
SR12	8/19/2019 0:56	28.09	64.3	4.80	8.4	SR12	8/19/2019 6:56	27.59	60.7	4.53	5.8	SR12	8/19/2019 12:56	27.61	65.1	4.86	5.9	SR12	8/19/2019 18:56	27.83	65.4	4.88	7.0
SR12	8/19/2019 1:01	28.10	67.8	5.06	8.7	SR12	8/19/2019 7:01	27.57	57.0	4.25	6.1	SR12	8/19/2019 13:01	27.60	65.5	4.89	6.6	SR12	8/19/2019 19:01	27.83	65.8	4.91	6.3
SR12	8/19/2019 1:06	28.12	68.6	5.12	8.5	SR12	8/19/2019 7:06	27.56	57.8	4.31	5.8	SR12	8/19/2019 13:06	27.80	70.6	5.27	6.4	SR12	8/19/2019 19:06	27.82	61.8	4.61	7.4
SR12	8/19/2019 1:11	28.08	63.8	4.76	8.2	SR12	8/19/2019 7:11	27.52	57.0	4.25	6.9	SR12	8/19/2019 13:11	28.07	73.4	5.48	6.0	SR12	8/19/2019 19:11	27.82	60.6	4.52	5.2
SR12	8/19/2019 1:16	28.10	65.5	4.89	6.6	SR12	8/19/2019 7:16	27.52	55.9	4.17	5.3	SR12	8/19/2019 13:16	27.89	70.6	5.27	5.8	SR12	8/19/2019 19:16	27.84	73.0	5.45	6.7
SR12	8/19/2019 1:21	28.10	64.6	4.82	8.4	SR12	8/19/2019 7:21	27.51	59.9	4.47	7.4	SR12	8/19/2019 13:21	27.92	72.4	5.40	6.7	SR12	8/19/2019 19:21	27.90	75.4	5.63	6.3
SR12	8/19/2019 1:26	28.10	65.5	4.89	7.2	SR12	8/19/2019 7:26	27.51	59.8	4.46	5.9	SR12	8/19/2019 13:26	27.84	69.5	5.19	7.6	SR12	8/19/2019 19:26	27.88	73.2	5.46	6.9
SR12	8/19/2019 1:31	28.10	64.7	4.83	9.2	SR12	8/19/2019 7:31	27.50	60.7	4.53	7.4	SR12	8/19/2019 13:31	27.84	69.1	5.16	5.4	SR12	8/19/2019 19:31	27.86	69.9	5.22	5.9
SR12	8/19/2019 1:36	28.03	62.7	4.68	7.6	SR12	8/19/2019 7:36	27.55	61.1	4.56	6.7	SR12	8/19/2019 13:36	27.85	68.7	5.13	7.0	SR12	8/19/2019 19:36	27.91	74.0	5.52	7.7
SR12	8/19/2019 1:41	27.97	63.1	4.71	8.0	SR12	8/19/2019 7:41	27.50	59.1	4.41	6.0	SR12	8/19/2019 13:41	27.92	69.4	5.18	6.7	SR12	8/19/2019 19:41	27.87	72.8	5.43	5.9
SR12	8/19/2019 1:46	28.05	64.2	4.79	7.4	SR12	8/19/2019 7:46	27.45	61.5	4.59	7.9	SR12	8/19/2019 13:46	27.80	65.0	4.85	6.0	SR12	8/19/2019 19:46	27.89	67.4	5.03	7.2
SR12	8/19/2019 1:51	28.07	63.8	4.76	7.4	SR12	8/19/2019 7:51	27.37	59.8	4.46	7.7	SR12	8/19/2019 13:51	27.80	66.3	4.95	6.5	SR12	8/19/2019 19:51	27.89	64.2	4.79	5.3
SR12	8/19/2019 1:56	28.06	65.9	4.92	7.9	SR12	8/19/2019 7:56	27.34	58.3	4.35	5.8	SR12	8/19/2019 13:56	27.76	66.6	4.97	6.2	SR12	8/19/2019 19:56	27.90	63.4	4.73	6.0
SR12	8/19/2019 2:01	28.00	63.9	4.77	8.1	SR12	8/19/2019 8:01	27.30	56.5	4.22	5.4	SR12	8/19/2019 14:01	27.73	66.2	4.94	6.4	SR12	8/19/2019 20:01	27.91	62.2	4.64	8.4
SR12	8/19/2019 2:06	28.05	66.2	4.94	7.1	SR12	8/19/2019 8:06	27.23	57.1	4.26	6.5	SR12	8/19/2019 14:06	27.73	65.8	4.91	6.4	SR12	8/19/2019 20:06	27.91	57.4	4.28	5.7
SR12	8/19/2019 2:11	28.02	63.9	4.77	6.7	SR12	8/19/2019 8:11	27.09	56.3	4.20	5.5	SR12	8/19/2019 14:11	27.50	64.6	4.82	6.6	SR12	8/19/2019 20:11	27.92	64.2	4.70	5.5
SR12	8/19/2019 2:16	28.05	63.8	4.76	7.9	SR12	8/19/2019 8:16	27.11	56.5	4.22	7.0	SR12	8/19/2019 14:16	27.79	67.5	5.04	6.4	SR12	8/19/2019 20:16	27.93	61.5	4.59	5.9
SR12	8/19/2019 2:21	28.06	63.8	4.76	8.6	SR12	8/19/2019 8:21	26.83	50.7	3.78	6.1	SR12	8/19/2019 14:21	27.78	69.1	5.16	6.5	SR12	8/19/2019 20:21	27.93	64.6	4.82	6.0
SR12	8/19/2019 2:26	28.05	61.4	4.58	8.4	SR12	8/19/2019 8:26	26.92	60.8	4.54	5.7	SR12	8/19/2019 14:26	27.25	58.2	4.34	5.9	SR12	8/19/2019 20:26	27.95	66.3	4.95	6.8
SR12	8/19/2019 2:31	28.04	61.9	4.62	7.6	SR12	8/19/2019 8:31	26.81	59.9	4.47	5.9	SR12	8/19/2019 14:31	27.63	64.7	4.83	5.6	SR12	8/19/2019 20:31	27.94	62.6	4.67	3.4
SR12	8/19/2019 2:36	28.02	59.8	4.46	7.1	SR12	8/19/2019 8:36	26.88	51.3	3.83	7.4	SR12	8/19/2019 14:36	27.53	63.0	4.70	6.1	SR12	8/19/2019 20:36	27.90	59.4	4.43	5.2
SR12	8/19/2019 2:41	28.00	59.0	4.40	8.9	SR12	8/19/2019 8:41	26.89	57.0	4.25	5.8	SR12	8/19/2019 14:41	27.46	63.8	4.76	6.3	SR12	8/19/2019 20:41	27.93	60.7	4.53	2.3
SR12	8/19/2019 2:46	27.98	61.1	4.56	8.4	SR12	8/19/2019 8:46	26.90	55.5	4.14	2.9	SR12	8/19/2019 14:46	27.14	58.6	4.37	6.0	SR12	8/19/2019 20:46	27.91	58.3	4.35	6.2
SR12	8/19/2019 2:51	28.01	61.5	4.59	8.7	SR12	8/19/2019 8:51	26.85	50.3	3.75	5.5	SR12	8/19/2019 14:51	27.35	62.2	4.64	6.5	SR12	8/19/2019 20:51	27.94	60.6	4.52	5.9
SR12	8/19/2019 2:56	28.04	62.6	4.67	7.3	SR12	8/19/2019 8:56	26.82	62.4	4.66	6.0	SR12	8/19/2019 14:56	27.46	63.1	4.71	6.0	SR12	8/19/2019 20:56	27.87	62.6	4.67	5.9
SR12	8/19/2019 3:01	28.02	59.8	4.46	8.3	SR12	8/19/2019 9:01	26.76	52.9	3.95	5.2	SR12	8/19/2019 15:01	27.50	61.8	4.61	6.1	SR12	8/19/2019 21:01	27.91	60.7	4.53	6.1
SR12	8/19/2019 3:06	28.01	56.7	4.23	6.4	SR12	8/19/2019 9:06	26.83	54.9	4.10	5.9	SR12	8/19/2019 15:06	27.22	58.7	4.38	8.2	SR12	8/19/2019 21:06	27.85	54.1	4.04	7.1
SR12	8/19/2019 3:11	28.01	57.9	4.32	6.3	SR12	8/19/2019 9:11	26.80	52.7	3.93	6.0	SR12	8/19/2019 15:11	27.18	58.3	4.35	6.3	SR12	8/19/2019 21:11	27.78	52.1	3.89	5.3
SR12	8/19/2019 3:16	28.00	60.2	4.49	6.3	SR12	8/19/2019 9:16	26.73	51.1	3.81	6.8	SR12	8/19/2019 15:16	27.42	63.8	4.76	7.1	SR12	8/19/2019 21:16	27.62	61.4	4.58	5.1
SR12	8/19/2019 3:21	27.99	59.8	4.46	8.0	SR12	8/19/2019 9:21	26.75	51.9	3.87	6.3	SR12	8/19/2019 15:21	27.33	61.4	4.58	6.4	SR12	8/19/2019 21:21	27.52	61.1	4.56	4.0
SR12	8/19/2019 3:26	27.82	59.0	4.40	4.1	SR12	8/19/2019 9:26	26.82	52.5	3.92	6.5	SR12	8/19/2019 15:26	27.32	61.5	4.59	7.5	SR12	8/19/2019 21:26	27.66	50.7	3.78	5.8
SR12	8/19/2019 3:31	27.85	57.9	4.32	1.8	SR12	8/19/2019 9:31	26.69	61.9	4.62	5.9	SR12	8/19/2019 15:31	27.40	62.2	4.64	8.3	SR12	8/19/2019 21:31	27.51	61.9	4.62	4.8
SR12	8/19/2019 3:36	27.91	58.3	4.35	1.5	SR12	8/19/2019 9:36	26.55	60.3	4.50	7.0	SR12	8/19/2019 15:36	27.40	62.7	4.68	8.7	SR12	8/19/2019 21:36	27.42	63.4	4.73	5.6
SR12	8/19/2019 3:41	27.94	57.1	4.26	5.0	SR12	8/19/2019 9:41	26.68	52.3	3.90	6.4	SR12	8/19/2019 15:41	27.36	64.7	4.83	6.7	SR12	8/19/2019 21:41	27.35	58.0	4.33	6.8
SR12	8/19/2019 3:46	27.93	55.3	4.13	3.4	SR12	8/19/2019 9:46	26.72	63.4	4.73	6.8	SR12	8/19/2019 15:46	27.35	64.3	4.80	5.9	SR12	8/19/2019 21:46	27.33	59.9	4.47	5.5
SR12	8/19/2019 3:51	27.92	58.7	4.38	5.7	SR12	8/19/2019 9:51	26.73	62.8	4.69	6.7	SR12	8/19/2019 15:51	27.38									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/19/2019 0:00	28.49	82.6	6.22	6.7	SR13	8/19/2019 6:00	29.06	83.2	6.27	6.9	SR13	8/19/2019 12:00	28.77	81.4	6.13	5.6	SR13	8/19/2019 18:00	29.42	85.3	6.43	6.1
SR13	8/19/2019 0:05	28.46	80.8	6.09	8.1	SR13	8/19/2019 6:05	29.11	87.5	6.60	7.2	SR13	8/19/2019 12:05	28.80	81.5	6.14	5.7	SR13	8/19/2019 18:05	29.45	85.1	6.42	5.6
SR13	8/19/2019 0:10	28.47	82.5	6.23	7.7	SR13	8/19/2019 6:10	29.08	84.1	6.34	6.8	SR13	8/19/2019 12:10	28.76	82.5	6.22	5.4	SR13	8/19/2019 18:10	29.43	86.6	6.53	5.9
SR13	8/19/2019 0:15	28.46	80.4	6.07	7.6	SR13	8/19/2019 6:15	29.11	87.5	6.60	6.3	SR13	8/19/2019 12:15	28.73	82.8	6.24	6.0	SR13	8/19/2019 18:15	29.43	84.9	6.40	5.9
SR13	8/19/2019 0:20	28.45	85.5	6.46	6.7	SR13	8/19/2019 6:20	29.09	86.7	6.54	6.8	SR13	8/19/2019 12:20	28.70	79.3	5.98	5.9	SR13	8/19/2019 18:20	29.44	84.8	6.39	5.1
SR13	8/19/2019 0:25	28.42	80.6	6.09	6.4	SR13	8/19/2019 6:25	29.09	86.4	6.52	7.1	SR13	8/19/2019 12:25	28.65	82.4	6.21	5.2	SR13	8/19/2019 18:25	29.42	85.8	6.47	6.8
SR13	8/19/2019 0:30	28.40	82.6	6.24	7.8	SR13	8/19/2019 6:30	29.04	84.3	6.35	6.4	SR13	8/19/2019 12:30	28.68	80.0	6.03	5.0	SR13	8/19/2019 18:30	29.42	82.4	6.21	5.4
SR13	8/19/2019 0:35	28.38	79.2	5.97	7.7	SR13	8/19/2019 6:35	29.02	88.2	6.65	7.3	SR13	8/19/2019 12:35	28.66	79.0	5.95	4.8	SR13	8/19/2019 18:35	29.41	80.7	6.08	5.2
SR13	8/19/2019 0:40	28.38	78.9	5.94	7.7	SR13	8/19/2019 6:40	29.03	84.6	6.38	6.8	SR13	8/19/2019 12:40	28.62	84.0	6.34	6.1	SR13	8/19/2019 18:40	29.43	81.2	6.12	6.7
SR13	8/19/2019 0:45	28.34	75.8	5.72	7.4	SR13	8/19/2019 6:45	29.06	84.6	6.38	6.5	SR13	8/19/2019 12:45	28.61	85.4	6.44	5.7	SR13	8/19/2019 18:45	29.41	85.1	6.41	6.1
SR13	8/19/2019 0:50	28.31	80.3	6.06	7.2	SR13	8/19/2019 6:50	29.10	86.9	6.55	6.8	SR13	8/19/2019 12:50	28.62	82.7	6.23	6.0	SR13	8/19/2019 18:50	29.41	83.1	6.27	5.6
SR13	8/19/2019 0:55	28.30	78.5	5.92	7.1	SR13	8/19/2019 6:55	29.12	86.6	6.53	7.1	SR13	8/19/2019 12:55	28.57	81.1	6.12	12.1	SR13	8/19/2019 18:55	29.41	82.5	6.22	4.8
SR13	8/19/2019 1:00	28.29	80.5	6.08	6.7	SR13	8/19/2019 7:00	29.14	87.2	6.57	7.0	SR13	8/19/2019 13:00	28.56	81.6	6.15	10.3	SR13	8/19/2019 19:00	29.41	82.8	6.24	4.8
SR13	8/19/2019 1:05	28.29	81.8	6.17	7.6	SR13	8/19/2019 7:05	29.17	86.4	6.51	6.9	SR13	8/19/2019 13:05	28.53	81.8	6.16	9.5	SR13	8/19/2019 19:05	29.35	80.9	6.09	6.1
SR13	8/19/2019 1:10	28.28	81.2	6.13	7.0	SR13	8/19/2019 7:10	29.20	83.2	6.27	7.1	SR13	8/19/2019 13:10	28.51	80.9	6.10	5.9	SR13	8/19/2019 19:10	29.36	76.4	5.75	6.6
SR13	8/19/2019 1:15	28.30	82.7	6.24	7.1	SR13	8/19/2019 7:15	29.20	83.1	6.27	5.9	SR13	8/19/2019 13:15	28.51	76.8	5.79	5.5	SR13	8/19/2019 19:15	29.36	81.2	6.13	6.0
SR13	8/19/2019 1:20	28.32	84.4	6.37	7.8	SR13	8/19/2019 7:20	29.21	82.6	6.23	7.1	SR13	8/19/2019 13:20	28.56	86.7	6.53	6.1	SR13	8/19/2019 19:20	29.35	77.8	5.86	6.3
SR13	8/19/2019 1:25	28.28	83.1	6.27	7.9	SR13	8/19/2019 7:25	29.22	86.8	6.54	6.9	SR13	8/19/2019 13:25	28.59	85.5	6.45	6.4	SR13	8/19/2019 19:25	29.32	80.0	6.03	5.4
SR13	8/19/2019 1:30	28.27	80.7	6.09	7.3	SR13	8/19/2019 7:30	29.22	88.2	6.65	7.0	SR13	8/19/2019 13:30	28.57	85.0	6.41	6.1	SR13	8/19/2019 19:30	29.30	81.4	6.13	6.3
SR13	8/19/2019 1:35	28.25	78.5	5.93	7.7	SR13	8/19/2019 7:35	29.20	85.6	6.45	6.5	SR13	8/19/2019 13:35	28.52	85.4	6.44	6.6	SR13	8/19/2019 19:35	29.29	81.7	6.16	5.4
SR13	8/19/2019 1:40	28.23	79.0	5.97	6.9	SR13	8/19/2019 7:40	29.19	86.5	6.52	6.4	SR13	8/19/2019 13:40	28.49	84.9	6.40	6.1	SR13	8/19/2019 19:40	29.28	79.7	6.00	6.2
SR13	8/19/2019 1:45	28.13	81.2	6.12	8.1	SR13	8/19/2019 7:45	29.21	81.9	6.17	6.6	SR13	8/19/2019 13:45	28.46	85.8	6.47	6.2	SR13	8/19/2019 19:45	29.26	77.8	5.86	5.9
SR13	8/19/2019 1:50	28.11	79.5	5.99	7.6	SR13	8/19/2019 7:50	29.21	84.6	6.39	6.7	SR13	8/19/2019 13:50	28.41	84.7	6.39	6.0	SR13	8/19/2019 19:50	29.30	79.5	5.99	6.6
SR13	8/19/2019 1:55	28.10	79.5	5.99	8.4	SR13	8/19/2019 7:55	29.23	84.5	6.39	6.1	SR13	8/19/2019 13:55	29.10	87.5	6.59	5.9	SR13	8/19/2019 19:55	29.28	80.5	6.08	7.0
SR13	8/19/2019 2:00	28.04	80.6	6.09	6.8	SR13	8/19/2019 8:00	29.23	81.0	6.12	6.6	SR13	8/19/2019 14:00	29.07	86.7	6.53	6.2	SR13	8/19/2019 20:00	29.23	77.7	5.87	6.1
SR13	8/19/2019 2:05	28.02	78.5	5.93	8.3	SR13	8/19/2019 8:05	29.27	84.4	6.36	7.4	SR13	8/19/2019 14:05	29.10	82.1	6.19	5.3	SR13	8/19/2019 20:05	29.24	79.7	6.00	7.3
SR13	8/19/2019 2:10	28.01	79.4	6.00	6.6	SR13	8/19/2019 8:10	29.37	80.3	6.05	6.5	SR13	8/19/2019 14:10	29.19	83.9	6.33	6.4	SR13	8/19/2019 20:10	29.24	77.3	5.82	6.7
SR13	8/19/2019 2:15	28.01	81.3	6.14	6.5	SR13	8/19/2019 8:15	29.32	79.6	6.00	6.5	SR13	8/19/2019 14:15	29.08	87.7	6.61	5.7	SR13	8/19/2019 20:15	29.23	80.0	6.03	6.2
SR13	8/19/2019 2:20	28.00	79.4	5.99	7.0	SR13	8/19/2019 8:20	29.30	80.0	6.03	7.3	SR13	8/19/2019 14:20	29.18	86.1	6.49	5.6	SR13	8/19/2019 20:20	29.24	78.4	5.91	5.9
SR13	8/19/2019 2:25	28.01	79.8	6.02	7.9	SR13	8/19/2019 8:25	29.38	80.7	6.08	7.0	SR13	8/19/2019 14:25	29.10	87.6	6.80	5.5	SR13	8/19/2019 20:25	29.21	77.1	5.81	6.2
SR13	8/19/2019 2:30	28.02	80.7	6.10	7.6	SR13	8/19/2019 8:30	29.31	83.0	6.25	7.2	SR13	8/19/2019 14:30	29.13	85.2	6.42	5.8	SR13	8/19/2019 20:30	29.24	78.6	5.93	6.0
SR13	8/19/2019 2:35	28.14	81.9	6.17	7.2	SR13	8/19/2019 8:35	29.26	85.4	6.45	5.8	SR13	8/19/2019 14:35	29.12	83.9	6.33	5.7	SR13	8/19/2019 20:35	29.19	79.2	5.98	6.0
SR13	8/19/2019 2:40	28.17	80.7	6.08	7.9	SR13	8/19/2019 8:40	29.25	82.7	6.23	5.9	SR13	8/19/2019 14:40	29.10	87.8	6.62	5.0	SR13	8/19/2019 20:40	29.19	76.5	5.77	6.4
SR13	8/19/2019 2:45	28.14	79.4	6.00	7.5	SR13	8/19/2019 8:45	29.27	85.5	6.44	5.2	SR13	8/19/2019 14:45	29.12	82.8	6.24	5.8	SR13	8/19/2019 20:45	29.19	76.7	5.79	6.2
SR13	8/19/2019 2:50	28.17	77.6	5.86	7.4	SR13	8/19/2019 8:50	29.26	85.8	6.46	7.1	SR13	8/19/2019 14:50	29.13	86.5	6.52	6.5	SR13	8/19/2019 20:50	29.21	79.6	6.01	6.6
SR13	8/19/2019 2:55	28.35	81.3	6.14	6.9	SR13	8/19/2019 8:55	29.27	85.9	6.48	5.9	SR13	8/19/2019 14:55	29.12	84.2	6.35	5.8	SR13	8/19/2019 20:55	29.20	77.2	5.83	6.7
SR13	8/19/2019 3:00	28.39	81.0	6.11	7.1	SR13	8/19/2019 9:00	29.26	86.6	6.53	7.1	SR13	8/19/2019 15:00	29.03	88.1	6.64	6.9	SR13	8/19/2019 21:00	29.16	76.9	5.81	5.9
SR13	8/19/2019 3:05	28.53	79.7	6.02	7.1	SR13	8/19/2019 9:05	29.24	84.7	6.39	6.9	SR13	8/19/2019 15:05	29.05	85.1	6.41	6.3	SR13	8/19/2019 21:05	29.13	79.2	5.98	5.9
SR13	8/19/2019 3:10	28.49	80.4	6.07	7.1	SR13	8/19/2019 9:10	29.21	89.4	6.74	6.1	SR13	8/19/2019 15:10	29.04	88.1	6.64	5.3	SR13	8/19/2019 21:10	29.17	81.2	6.13	6.3
SR13	8/19/2019 3:15	28.49	75.2	5.68	8.3	SR13	8/19/2019 9:15	29.23	85.6	6.45	5.6	SR13	8/19/2019 15:15	29.04	81.4	6.14	6.2	SR13	8/19/2019 21:15	29.18	82.0	6.18	6.6
SR13	8/19/2019 3:20	28.49	78.3	5.92	7.0	SR13	8/19/2019 9:20	29.10	86.3	6.50	6.3	SR13	8/19/2019 15:20	29.04	81.4	6.14	6.2	SR13	8/19/2019 21:20	29.18	81.5	6.15	6.6
SR13	8/19/2019 3:25	28.49	77.8	5.88	7.5	SR13	8/19/2019 9:25	29.10	88.7	6.69	6.6	SR13	8/19/2019 15:25	29.04	81.4	6.14	6.2	SR13	8/19/2019 21:25	29.16	82.7	6.24	6.3
SR13	8/19/2019 3:30	28.50	80.0	6.03	6.9	SR13	8/19/2019 9:30	29.00	86.2	6.50	7.5	SR13	8/19/2019 15:30					SR13	8/19/2019 21:30	29.20	80.6	6.08	6.1
SR13	8/19/2019 3:35	28.58	80.7	6.08	7.0	SR13	8/19/2019 9:35	29.10	90.1	6.80	6.2	SR13	8/19/2019 15:40					SR13	8/19/2019 21:35	29.22	83.7	6.31	6.6
SR13	8/19/2019 3:40	28.57	80.5	6.07	6.6	SR13	8/19/2019 9:40	29.18	88.3	6.65	6.2	SR13	8/19/2019 15:45	29.25	81.8	6.16	5.8	SR13	8/19/2019 21:40	29.24	79.6	6.00	5.7
SR13	8/19/2019 3:45	28.55	79.4	5.98	7.1	SR13	8/19/2019 9:45	29.10	87.5	6.59	5.9	SR13	8/19/2019 15:50	29.27	79.2	5.97	5.1	SR13	8/19/2019 21:45	29.22	82.6	6.23	7.5
SR13	8/19/2019 3:50	28.51	75.0	5.65	7.9	SR13	8/19/2019 9:50	29.19	86.2	6.50	6.5	SR13	8/19/2019 15:55	29.24	82.4	6.21	5.8	SR13	8				

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/19/2019 0:17	0.24				SR12	8/19/2019 0:17	0.32			
SR4	8/19/2019 0:37	0.24				SR12	8/19/2019 0:37	0.33			
SR4	8/19/2019 0:57	0.24				SR12	8/19/2019 0:57	0.31			
SR4	8/19/2019 1:17	0.22				SR12	8/19/2019 1:17	0.32			
SR4	8/19/2019 1:37	0.21				SR12	8/19/2019 1:37	0.32			
SR4	8/19/2019 1:57	0.21				SR12	8/19/2019 1:57	0.31			
SR4	8/19/2019 2:17	0.22				SR12	8/19/2019 2:17	0.31			
SR4	8/19/2019 2:37	0.21				SR12	8/19/2019 2:37	0.32			
SR4	8/19/2019 2:57	0.22				SR12	8/19/2019 2:57	0.31			
SR4	8/19/2019 3:17	0.22				SR12	8/19/2019 3:17	0.33			
SR4	8/19/2019 3:37	0.20				SR12	8/19/2019 3:37	0.31			
SR4	8/19/2019 3:57	0.21				SR12	8/19/2019 3:57	0.32			
SR4	8/19/2019 4:17	0.21				SR12	8/19/2019 4:17	0.31			
SR4	8/19/2019 4:37	0.21				SR12	8/19/2019 4:37	0.32			
SR4	8/19/2019 4:57	0.21				SR12	8/19/2019 4:57	0.33			
SR4	8/19/2019 5:17	0.22				SR12	8/19/2019 5:17	0.32			
SR4	8/19/2019 5:37	0.21				SR12	8/19/2019 5:37	0.32			
SR4	8/19/2019 5:57	0.20				SR12	8/19/2019 5:57	0.31			
SR4						SR12					
SR4	8/19/2019 6:37	0.18				SR12	8/19/2019 6:37	0.29			
SR4	8/19/2019 6:57	0.20				SR12	8/19/2019 6:57	0.30			
SR4	8/19/2019 7:17	0.19				SR12	8/19/2019 7:17	0.30			
SR4	8/19/2019 7:37	0.20				SR12	8/19/2019 7:37	0.29			
SR4	8/19/2019 7:57	0.18				SR12	8/19/2019 7:57	0.31			
SR4	8/19/2019 8:17	0.20				SR12	8/19/2019 8:17	0.30			
SR4	8/19/2019 8:37	0.19				SR12	8/19/2019 8:37	0.30			
SR4	8/19/2019 8:57	0.20				SR12	8/19/2019 8:57	0.30			
SR4	8/19/2019 9:17	0.18				SR12	8/19/2019 9:17	0.31			
SR4	8/19/2019 9:37	0.18				SR12	8/19/2019 9:37	0.29			
SR4	8/19/2019 9:57	0.18				SR12	8/19/2019 9:57	0.31			
SR4	8/19/2019 10:17	0.18				SR12					
SR4	8/19/2019 10:37	0.20				SR12					
SR4	8/19/2019 10:57	0.19				SR12					
SR4	8/19/2019 11:17	0.19				SR12					
SR4	8/19/2019 11:37	0.18				SR12	8/19/2019 11:37	0.31			
SR4	8/19/2019 11:57	0.20				SR12	8/19/2019 11:57	0.29			
SR4						SR12	8/19/2019 12:17	0.29			
SR4						SR12	8/19/2019 12:37	0.31			
SR4						SR12	8/19/2019 12:57	0.30			
SR4						SR12	8/19/2019 13:17	0.29			
SR4						SR12	8/19/2019 13:37	0.29			
SR4	8/19/2019 13:57	0.18				SR12	8/19/2019 13:57	0.29			
SR4	8/19/2019 14:17	0.16				SR12	8/19/2019 14:17	0.30			
SR4	8/19/2019 14:37	0.18				SR12	8/19/2019 14:37	0.30			
SR4	8/19/2019 14:57	0.16				SR12	8/19/2019 14:57	0.30			
SR4	8/19/2019 15:17	0.16				SR12	8/19/2019 15:17	0.30			
SR4	8/19/2019 15:37	0.18				SR12	8/19/2019 15:37	0.30			
SR4	8/19/2019 15:57	0.18				SR12	8/19/2019 15:57	0.29			
SR4	8/19/2019 16:17	0.17				SR12	8/19/2019 16:17	0.30			
SR4	8/19/2019 16:37	0.16				SR12	8/19/2019 16:37	0.29			
SR4	8/19/2019 16:57	0.16				SR12	8/19/2019 16:57	0.27			
SR4	8/19/2019 17:17	0.16				SR12	8/19/2019 17:17	0.28			
SR4	8/19/2019 17:37	0.17				SR12	8/19/2019 17:37	0.30			
SR4	8/19/2019 17:57	0.16				SR12	8/19/2019 17:57	0.29			
SR4	8/19/2019 18:17	0.17				SR12	8/19/2019 18:17	0.30			
SR4	8/19/2019 18:37	0.18				SR12	8/19/2019 18:37	0.27			
SR4	8/19/2019 18:57	0.18				SR12	8/19/2019 18:57	0.29			
SR4	8/19/2019 19:17	0.20				SR12	8/19/2019 19:17	0.30			
SR4	8/19/2019 19:37	0.19				SR12	8/19/2019 19:37	0.28			
SR4	8/19/2019 19:57	0.18				SR12	8/19/2019 19:57	0.29			
SR4	8/19/2019 20:17	0.18				SR12	8/19/2019 20:17	0.29			
SR4	8/19/2019 20:37	0.20				SR12	8/19/2019 20:37	0.28			
SR4	8/19/2019 20:57	0.20				SR12	8/19/2019 20:57	0.27			
SR4	8/19/2019 21:17	0.19				SR12	8/19/2019 21:17	0.27			
SR4	8/19/2019 21:37	0.18				SR12	8/19/2019 21:37	0.27			
SR4	8/19/2019 21:57	0.20				SR12	8/19/2019 21:57	0.27			
SR4	8/19/2019 22:17	0.18				SR12	8/19/2019 22:17	0.28			
SR4	8/19/2019 22:37	0.20				SR12	8/19/2019 22:37	0.30			
SR4	8/19/2019 22:57	0.20				SR12	8/19/2019 22:57	0.27			
SR4	8/19/2019 23:17	0.20				SR12	8/19/2019 23:17	0.30			
SR4	8/19/2019 23:37	0.19				SR12	8/19/2019 23:37	0.31			
SR4	8/19/2019 23:57	0.20				SR12	8/19/2019 23:57	0.31			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR4 monitoring station was under maintenance during 12:11-13:21.
 SR12 monitoring station was under maintenance during 10:06-11:16.
 SR13 monitoring station was under maintenance during 15:15-15:40.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/20/2019 0:01	28.86	71.8	5.40	2.3	SR4	8/20/2019 6:01	28.36	63.6	4.79	5.8	SR4	8/20/2019 12:01	28.19	68.8	5.18	7.6	SR4	8/20/2019 18:01	28.71	70.9	5.34	5.9
SR4	8/20/2019 0:06	28.84	71.0	5.34	7.0	SR4	8/20/2019 6:06	28.45	63.3	4.76	6.2	SR4	8/20/2019 12:06	28.16	68.1	5.13	6.2	SR4	8/20/2019 18:06	28.88	74.6	5.61	6.5
SR4	8/20/2019 0:11	28.85	73.5	5.53	7.2	SR4	8/20/2019 6:11	28.47	64.3	4.84	6.7	SR4	8/20/2019 12:11	28.22	66.4	5.00	7.7	SR4	8/20/2019 18:11	28.81	70.7	5.32	7.9
SR4	8/20/2019 0:16	28.81	71.2	5.36	7.0	SR4	8/20/2019 6:16	28.55	67.5	5.08	6.4	SR4	8/20/2019 12:16	28.14	64.7	4.87	7.1	SR4	8/20/2019 18:16	28.92	77.3	5.81	7.0
SR4	8/20/2019 0:21	28.80	70.2	5.28	5.8	SR4	8/20/2019 6:21	28.65	70.5	5.31	5.6	SR4	8/20/2019 12:21	28.25	66.6	5.01	6.3	SR4	8/20/2019 18:21	28.90	74.3	5.59	7.0
SR4	8/20/2019 0:26	28.77	69.2	5.21	7.5	SR4	8/20/2019 6:26	28.62	69.6	5.24	4.2	SR4	8/20/2019 12:26	28.19	66.6	5.17	6.3	SR4	8/20/2019 18:26	28.90	73.5	5.53	5.9
SR4	8/20/2019 0:31	28.73	66.3	5.00	5.9	SR4	8/20/2019 6:31	28.57	65.9	4.96	7.1	SR4	8/20/2019 12:31	28.10	67.9	5.11	5.8	SR4	8/20/2019 18:31	28.92	72.6	5.46	6.5
SR4	8/20/2019 0:36	28.66	71.2	5.36	6.0	SR4	8/20/2019 6:36	28.60	67.5	5.08	6.5	SR4	8/20/2019 12:36	28.08	68.1	5.13	6.3	SR4	8/20/2019 18:36	28.92	74.2	5.58	8.3
SR4	8/20/2019 0:41	28.60	74.2	5.59	4.7	SR4	8/20/2019 6:41	28.62	70.1	5.28	6.1	SR4	8/20/2019 12:41	28.27	64.7	4.87	6.7	SR4	8/20/2019 18:41	28.83	69.3	5.22	6.7
SR4	8/20/2019 0:46	28.66	65.3	4.92	6.9	SR4	8/20/2019 6:46	28.57	68.4	5.15	5.7	SR4	8/20/2019 12:46	28.27	65.0	4.90	7.8	SR4	8/20/2019 18:46	28.82	71.9	5.41	6.1
SR4	8/20/2019 0:51	28.58	70.4	5.30	5.1	SR4	8/20/2019 6:51	28.45	67.5	5.08	6.9	SR4	8/20/2019 12:51	28.16	63.9	4.81	6.9	SR4	8/20/2019 18:51	28.69	67.7	5.10	7.3
SR4	8/20/2019 0:56	28.52	73.0	5.50	6.2	SR4	8/20/2019 6:56	28.49	70.1	5.28	6.3	SR4	8/20/2019 12:56	28.21	67.5	5.08	6.4	SR4	8/20/2019 18:56	28.74	70.9	5.34	6.5
SR4	8/20/2019 1:01	28.46	68.6	5.16	6.3	SR4	8/20/2019 7:01	28.48	66.9	5.03	5.9	SR4	8/20/2019 13:01	28.30	67.0	5.04	7.2	SR4	8/20/2019 19:01	28.68	70.7	5.32	7.8
SR4	8/20/2019 1:06	28.44	71.4	5.37	5.6	SR4	8/20/2019 7:06	28.44	67.0	5.04	7.0	SR4	8/20/2019 13:06	28.41	68.0	5.12	6.3	SR4	8/20/2019 19:06	28.65	66.7	5.02	7.1
SR4	8/20/2019 1:11	28.35	72.7	5.48	6.9	SR4	8/20/2019 7:11	28.43	64.4	4.84	6.0	SR4	8/20/2019 13:11	28.22	69.0	5.20	6.3	SR4	8/20/2019 19:11	28.70	70.8	5.33	6.5
SR4	8/20/2019 1:16	28.30	69.5	5.23	8.4	SR4	8/20/2019 7:16	28.37	68.8	5.18	5.5	SR4	8/20/2019 13:16	28.31	71.8	5.41	6.7	SR4	8/20/2019 19:16	28.68	73.5	5.53	7.6
SR4	8/20/2019 1:21	28.23	66.1	4.98	7.5	SR4	8/20/2019 7:21	28.49	69.5	5.23	7.6	SR4	8/20/2019 13:21	28.19	73.5	5.54	6.0	SR4	8/20/2019 19:21	28.49	65.6	4.93	7.0
SR4	8/20/2019 1:26	28.24	69.9	5.26	6.4	SR4	8/20/2019 7:26	28.43	66.6	5.01	5.6	SR4	8/20/2019 13:26	28.28	73.7	5.56	6.0	SR4	8/20/2019 19:26	28.66	72.1	5.42	6.5
SR4	8/20/2019 1:31	28.27	63.0	4.75	6.2	SR4	8/20/2019 7:31	28.29	68.6	5.17	6.7	SR4	8/20/2019 13:31	28.33	72.2	5.44	7.4	SR4	8/20/2019 19:31	28.61	69.7	5.24	6.9
SR4	8/20/2019 1:36	28.17	69.6	5.24	6.9	SR4	8/20/2019 7:36	28.48	70.1	5.28	7.0	SR4	8/20/2019 13:36	28.49	73.6	5.55	5.6	SR4	8/20/2019 19:36	28.58	70.7	5.32	7.3
SR4	8/20/2019 1:41	28.21	69.0	5.19	6.6	SR4	8/20/2019 7:41	28.44	65.9	4.96	6.4	SR4	8/20/2019 13:41	28.47	71.1	5.36	5.5	SR4	8/20/2019 19:41	28.63	69.4	5.22	6.4
SR4	8/20/2019 1:46	28.27	67.6	5.09	7.1	SR4	8/20/2019 7:46	28.47	71.4	5.38	6.2	SR4	8/20/2019 13:46	28.55	76.1	5.73	7.4	SR4	8/20/2019 19:46	28.63	70.7	5.32	6.7
SR4	8/20/2019 1:51	28.27	67.1	5.05	6.3	SR4	8/20/2019 7:51	28.32	65.8	4.95	5.3	SR4	8/20/2019 13:51	28.50	75.7	5.70	6.3	SR4	8/20/2019 19:51	28.61	70.8	5.33	6.9
SR4	8/20/2019 1:56	28.21	60.2	4.53	7.3	SR4	8/20/2019 7:56	28.41	67.7	5.09	4.5	SR4	8/20/2019 13:56	28.29	73.2	5.51	6.0	SR4	8/20/2019 19:56	28.59	70.2	5.29	6.8
SR4	8/20/2019 2:01	28.14	68.1	5.12	7.2	SR4	8/20/2019 8:01	28.40	67.3	5.06	6.7	SR4	8/20/2019 14:01	28.26	72.1	5.43	6.8	SR4	8/20/2019 20:01	28.64	71.5	5.38	7.3
SR4	8/20/2019 2:06	28.13	69.4	5.22	7.5	SR4	8/20/2019 8:06	28.24	68.1	5.13	6.1	SR4	8/20/2019 14:06	28.22	75.4	5.68	5.6	SR4	8/20/2019 20:06	28.63	68.1	5.12	7.5
SR4	8/20/2019 2:11	28.13	60.8	4.57	7.5	SR4	8/20/2019 8:11	28.35	65.7	4.95	6.7	SR4	8/20/2019 14:11	28.34	74.6	5.62	7.1	SR4	8/20/2019 20:11	28.63	69.4	5.22	6.2
SR4	8/20/2019 2:16	28.09	61.8	4.66	7.1	SR4	8/20/2019 8:16	28.36	67.5	5.08	6.1	SR4	8/20/2019 14:16	28.38	73.6	5.54	6.5	SR4	8/20/2019 20:16	28.71	75.5	5.68	7.2
SR4	8/20/2019 2:21	28.09	63.4	4.78	4.3	SR4	8/20/2019 8:21	28.29	66.4	5.00	6.9	SR4	8/20/2019 14:21	28.44	70.4	5.30	6.1	SR4	8/20/2019 20:21	28.71	71.1	5.35	7.5
SR4	8/20/2019 2:26	28.05	67.3	5.07	4.5	SR4	8/20/2019 8:26	28.29	66.4	5.00	7.0	SR4	8/20/2019 14:26	28.32	70.1	5.28	6.2	SR4	8/20/2019 20:26	28.74	73.9	5.56	1.1
SR4	8/20/2019 2:31	28.07	64.7	4.87	6.7	SR4	8/20/2019 8:31	28.27	69.8	5.25	7.2	SR4	8/20/2019 14:31	28.46	66.9	5.04	6.8	SR4	8/20/2019 20:31	28.77	72.4	5.45	2.6
SR4	8/20/2019 2:36	28.06	62.1	4.67	7.5	SR4	8/20/2019 8:36	28.25	71.4	5.38	6.7	SR4	8/20/2019 14:36	28.40	69.4	5.22	6.5	SR4	8/20/2019 20:36	28.79	75.3	5.67	3.0
SR4	8/20/2019 2:41	28.09	65.2	4.90	7.0	SR4	8/20/2019 8:41	28.16	66.8	5.03	6.2	SR4	8/20/2019 14:41	28.51	66.7	5.02	6.9	SR4	8/20/2019 20:41	28.80	76.1	5.72	6.9
SR4	8/20/2019 2:46	28.15	67.7	5.09	7.7	SR4	8/20/2019 8:46	28.23	66.8	5.02	6.6	SR4	8/20/2019 14:46	28.41	72.5	5.46	7.8	SR4	8/20/2019 20:46	28.81	75.3	5.66	7.2
SR4	8/20/2019 2:51	28.18	58.2	4.38	6.6	SR4	8/20/2019 8:51	28.12	62.9	4.73	6.1	SR4	8/20/2019 14:51	28.55	71.3	5.37	6.8	SR4	8/20/2019 20:51	28.82	76.2	5.73	6.3
SR4	8/20/2019 2:56	28.16	64.9	4.88	8.4	SR4	8/20/2019 8:56	28.12	65.0	4.90	6.3	SR4	8/20/2019 14:56	28.59	70.8	5.33	5.8	SR4	8/20/2019 20:56	28.79	79.2	5.96	6.9
SR4	8/20/2019 3:01	28.17	64.5	4.86	7.1	SR4	8/20/2019 9:01	28.11	64.9	4.88	5.8	SR4	8/20/2019 15:01	28.46	72.0	5.42	6.7	SR4	8/20/2019 21:01	28.77	76.9	5.79	7.3
SR4	8/20/2019 3:06	28.20	69.6	5.24	6.4	SR4	8/20/2019 9:06	28.06	64.8	4.88	7.1	SR4	8/20/2019 15:06	28.46	71.0	5.35	6.1	SR4	8/20/2019 21:06	28.69	78.5	5.91	7.1
SR4	8/20/2019 3:11	28.24	66.9	5.03	6.0	SR4	8/20/2019 9:11	28.03	66.8	5.03	6.2	SR4	8/20/2019 15:11	28.56	68.3	5.14	7.1	SR4	8/20/2019 21:11	28.68	78.1	5.88	6.6
SR4	8/20/2019 3:16	28.46	67.5	5.09	7.4	SR4	8/20/2019 9:16	28.09	69.4	5.22	7.3	SR4	8/20/2019 15:16	28.59	68.7	5.17	2.2	SR4	8/20/2019 21:16	28.71	78.1	5.88	7.8
SR4	8/20/2019 3:21	28.44	65.5	4.93	6.9	SR4	8/20/2019 9:21	28.03	67.5	5.09	6.4	SR4	8/20/2019 15:21	28.54	73.1	5.50	1.5	SR4	8/20/2019 21:21	28.70	79.9	6.01	7.3
SR4	8/20/2019 3:26	28.46	68.9	5.19	6.8	SR4	8/20/2019 9:26	28.04	66.3	4.99	7.5	SR4	8/20/2019 15:26	28.59	73.2	5.51	2.0	SR4	8/20/2019 21:26	28.72	78.5	5.90	6.0
SR4	8/20/2019 3:31	28.37	69.8	5.26	6.4	SR4	8/20/2019 9:31	28.06	69.8	5.26	6.3	SR4	8/20/2019 15:31	28.57	76.6	5.77	7.1	SR4	8/20/2019 21:31	28.70	80.3	6.04	6.7
SR4	8/20/2019 3:36	28.43	70.0	5.28	7.3	SR4	8/20/2019 9:36	28.10	70.2	5.28	6.2	SR4	8/20/2019 15:36	28.59	70.8	5.33	6.8	SR4	8/20/2019 21:36	28.70	75.7	5.70	6.7
SR4	8/20/2019 3:41	28.56	69.8	5.26	6.3	SR4	8/20/2019 9:41	28.17	69.8	5.25	7.0	SR4	8/20/2019 15:41	28.83	77.8	5.85	6.1	SR4	8/20/2019 21:41	28.70	76.8	5.78	7.8
SR4	8/20/2019 3:46	28.51	67.9	5.12	6.3	SR4	8/20/2019 9:46	28.18	70.5	5.30	7.9	SR4	8/20/2019 15:46	28.81	75.6	5.69	5.9	SR4	8/20/2019 21:46	28.72	73.8	5.55	6.1
SR4	8/20/2019 3:51	28.50	65.3	4.92	6.5	SR4	8/20/2019 9:51	28.17	70.3	5.29	6.1	SR4	8/20/2019 15:51	28.83	80.9	6.09	6.8	SR4	8/20/2019 21:51	28.72	76.0	5.71	8.0
SR4	8/20/2019 3:56	28.53	67.4	5.08	7.0	SR4	8/20/2019 9:56	28															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/20/2019 0:00	27.00	76.0	5.72	5.6	SR5	8/20/2019 6:00	28.75	76.8	5.76	7.6	SR5	8/20/2019 12:00	26.66	79.9	5.99	6.8	SR5	8/20/2019 18:00	28.74	73.8	5.55	7.0
SR5	8/20/2019 0:05	27.03	79.7	5.97	5.8	SR5	8/20/2019 6:05	28.75	76.7	5.75	6.1	SR5	8/20/2019 12:05	26.67	76.4	5.72	6.8	SR5	8/20/2019 18:05	28.71	74.8	5.63	7.4
SR5	8/20/2019 0:10	26.98	78.6	5.89	6.0	SR5	8/20/2019 6:10	28.74	78.1	5.85	5.7	SR5	8/20/2019 12:10	26.70	74.1	5.55	7.7	SR5	8/20/2019 18:10	28.67	73.2	5.51	8.1
SR5	8/20/2019 0:15	26.97	79.4	5.95	6.8	SR5	8/20/2019 6:15	28.73	78.1	5.85	7.8	SR5	8/20/2019 12:15	27.00	79.1	5.93	6.9	SR5	8/20/2019 18:15	28.63	75.5	5.65	7.2
SR5	8/20/2019 0:20	26.96	79.4	5.95	6.3	SR5	8/20/2019 6:20	28.73	76.1	5.70	6.5	SR5	8/20/2019 12:20	26.76	77.6	5.81	6.4	SR5	8/20/2019 18:20	28.64	74.3	5.59	8.6
SR5	8/20/2019 0:25	26.94	77.0	5.79	5.8	SR5	8/20/2019 6:25	28.73	79.5	5.96	6.9	SR5					SR5	8/20/2019 18:25	28.60	73.6	5.54	6.4	
SR5	8/20/2019 0:30	26.92	82.1	6.18	7.2	SR5	8/20/2019 6:30	28.72	74.8	5.60	6.3	SR5					SR5	8/20/2019 18:30	28.55	76.7	5.77	6.9	
SR5	8/20/2019 0:35	26.94	77.0	5.79	6.3	SR5	8/20/2019 6:35	28.73	75.7	5.67	6.2	SR5					SR5	8/20/2019 18:35	28.58	73.1	5.50	6.8	
SR5	8/20/2019 0:40	26.94	75.2	5.66	6.8	SR5	8/20/2019 6:40	28.74	77.9	5.84	6.2	SR5					SR5	8/20/2019 18:40	28.60	74.7	5.62	7.4	
SR5	8/20/2019 0:45	26.96	77.4	5.82	7.2	SR5	8/20/2019 6:45	28.75	73.9	5.54	7.1	SR5	8/20/2019 12:45	27.43	80.5	6.04	7.0	SR5	8/20/2019 18:45	28.57	75.3	5.66	8.0
SR5	8/20/2019 0:50	26.97	78.4	5.90	6.6	SR5	8/20/2019 6:50	28.73	79.2	5.93	6.2	SR5	8/20/2019 12:50	27.63	80.1	6.00	7.9	SR5	8/20/2019 18:50	28.58	75.2	5.66	7.6
SR5	8/20/2019 0:55	27.39	78.5	5.89	7.4	SR5	8/20/2019 6:55	28.74	76.1	5.70	6.9	SR5	8/20/2019 12:55	27.41	79.6	5.97	6.9	SR5	8/20/2019 18:55	28.58	76.7	5.77	7.6
SR5	8/20/2019 1:00	27.50	81.2	6.09	6.7	SR5	8/20/2019 7:00	28.75	76.1	5.70	6.3	SR5	8/20/2019 13:00	27.45	83.5	6.27	7.1	SR5	8/20/2019 19:00	28.57	78.7	5.92	8.3
SR5	8/20/2019 1:05	27.75	79.9	5.99	6.6	SR5	8/20/2019 7:05	28.74	75.8	5.68	6.3	SR5	8/20/2019 13:05	27.43	81.6	6.12	7.0	SR5	8/20/2019 19:05	28.58	81.5	6.13	6.8
SR5	8/20/2019 1:10	27.83	77.1	5.77	7.9	SR5	8/20/2019 7:10	28.74	77.2	5.78	5.9	SR5	8/20/2019 13:10	27.45	83.6	6.27	7.5	SR5	8/20/2019 19:10	28.55	78.7	5.92	6.9
SR5	8/20/2019 1:15	27.96	79.4	5.95	6.2	SR5	8/20/2019 7:15	28.74	78.4	5.88	6.2	SR5	8/20/2019 13:15	27.51	81.9	6.14	7.0	SR5	8/20/2019 19:15	28.55	78.9	5.94	6.8
SR5	8/20/2019 1:20	27.90	78.3	5.87	5.4	SR5	8/20/2019 7:20	28.74	79.1	5.93	7.4	SR5	8/20/2019 13:20	27.45	77.7	5.83	7.4	SR5	8/20/2019 19:20	28.56	79.0	5.94	6.2
SR5	8/20/2019 1:25	27.88	80.9	6.06	7.0	SR5	8/20/2019 7:25	28.76	75.8	5.68	6.9	SR5	8/20/2019 13:25	27.44	79.0	5.92	7.7	SR5	8/20/2019 19:25	28.58	79.8	6.01	6.5
SR5	8/20/2019 1:30	27.86	78.1	5.85	7.2	SR5	8/20/2019 7:30	28.71	76.2	5.71	6.1	SR5	8/20/2019 13:30	27.46	82.0	6.15	7.1	SR5	8/20/2019 19:30	28.60	83.7	6.30	7.2
SR5	8/20/2019 1:35	27.85	77.1	5.77	6.9	SR5	8/20/2019 7:35	28.74	75.6	5.66	5.5	SR5	8/20/2019 13:35	27.48	78.2	5.86	6.1	SR5	8/20/2019 19:35	28.59	81.0	6.07	7.0
SR5	8/20/2019 1:40	27.81	80.2	6.01	5.7	SR5	8/20/2019 7:40	28.71	78.7	5.90	6.2	SR5	8/20/2019 13:40	27.46	81.8	6.13	6.7	SR5	8/20/2019 19:40	28.58	81.1	6.10	6.8
SR5	8/20/2019 1:45	27.78	78.9	5.91	5.8	SR5	8/20/2019 7:45	28.69	79.5	5.96	6.6	SR5	8/20/2019 13:45	27.46	76.4	5.72	6.7	SR5	8/20/2019 19:45	28.57	80.3	6.05	8.4
SR5	8/20/2019 1:50	27.76	76.9	5.76	3.9	SR5	8/20/2019 7:50	28.71	75.8	5.68	6.1	SR5	8/20/2019 13:50	27.34	79.5	5.96	7.7	SR5	8/20/2019 19:50	28.59	85.3	6.39	6.8
SR5	8/20/2019 1:55	27.76	78.6	5.89	6.7	SR5	8/20/2019 7:55	28.74	78.0	5.85	7.1	SR5	8/20/2019 13:55	27.30	76.5	5.73	6.7	SR5	8/20/2019 19:55	28.65	81.5	6.13	7.8
SR5	8/20/2019 2:00	27.73	73.5	5.51	5.8	SR5	8/20/2019 8:00	28.74	79.4	5.95	7.2	SR5	8/20/2019 14:00	27.43	79.0	5.92	7.3	SR5	8/20/2019 20:00	28.60	82.5	6.19	7.6
SR5	8/20/2019 2:05	27.81	75.8	5.68	6.6	SR5	8/20/2019 8:05	28.76	74.1	5.55	6.7	SR5	8/20/2019 14:05	27.50	76.0	5.70	7.7	SR5	8/20/2019 20:05	28.63	83.3	6.27	7.6
SR5	8/20/2019 2:10	27.79	76.1	5.70	6.5	SR5	8/20/2019 8:10	28.75	76.5	5.73	6.1	SR5	8/20/2019 14:10	27.60	79.6	5.97	6.5	SR5	8/20/2019 20:10	28.59	82.4	6.20	7.9
SR5	8/20/2019 2:15	27.76	74.9	5.61	6.0	SR5	8/20/2019 8:15	28.68	78.1	5.86	3.9	SR5	8/20/2019 14:15	27.73	77.3	5.79	6.9	SR5	8/20/2019 20:15	28.61	81.9	6.16	6.8
SR5	8/20/2019 2:20	27.73	75.9	5.68	5.5	SR5	8/20/2019 8:20	28.74	74.1	5.55	6.0	SR5	8/20/2019 14:20	27.67	81.0	6.07	6.2	SR5	8/20/2019 20:20	28.62	76.9	5.79	6.9
SR5	8/20/2019 2:25	27.81	73.6	5.52	6.4	SR5	8/20/2019 8:25	28.65	76.9	5.77	5.2	SR5	8/20/2019 14:25	27.68	78.5	5.88	7.3	SR5	8/20/2019 20:25	28.63	76.1	5.73	7.5
SR5	8/20/2019 2:30	27.77	72.2	5.41	5.1	SR5	8/20/2019 8:30	28.63	79.4	5.95	5.2	SR5	8/20/2019 14:30	27.70	81.0	6.07	8.0	SR5	8/20/2019 20:30	28.62	78.7	5.90	6.2
SR5	8/20/2019 2:35	27.72	76.4	5.72	5.5	SR5	8/20/2019 8:35	28.60	74.1	5.55	7.1	SR5	8/20/2019 14:35	27.97	82.3	6.17	7.5	SR5	8/20/2019 20:35	28.58	82.4	6.18	7.5
SR5	8/20/2019 2:40	27.68	78.5	5.88	4.8	SR5	8/20/2019 8:40	28.52	75.3	5.64	7.4	SR5	8/20/2019 14:40	27.84	81.5	6.11	7.4	SR5	8/20/2019 20:40	28.62	78.0	5.85	7.9
SR5	8/20/2019 2:45	27.73	76.7	5.75	6.1	SR5	8/20/2019 8:45	28.34	74.1	5.55	6.6	SR5	8/20/2019 14:45	27.77	81.8	6.13	7.7	SR5	8/20/2019 20:45	28.39	76.8	5.76	7.9
SR5	8/20/2019 2:50	27.71	77.5	5.81	6.8	SR5	8/20/2019 8:50	28.31	76.5	5.73	6.6	SR5	8/20/2019 14:50	27.82	77.8	5.83	7.4	SR5	8/20/2019 20:50	28.62	78.0	5.85	7.8
SR5	8/20/2019 2:55	27.69	78.9	5.91	6.7	SR5	8/20/2019 8:55	28.11	75.0	5.62	7.6	SR5	8/20/2019 14:55	27.75	79.8	5.98	7.6	SR5	8/20/2019 20:55	28.56	79.1	5.93	6.8
SR5	8/20/2019 3:00	27.64	77.3	5.79	6.5	SR5	8/20/2019 9:00	27.53	77.2	5.78	5.5	SR5	8/20/2019 15:00	27.73	76.1	5.70	7.7	SR5	8/20/2019 21:00	28.47	79.8	6.01	6.7
SR5	8/20/2019 3:05	27.65	75.2	5.64	7.6	SR5	8/20/2019 9:05	27.50	76.0	5.69	6.5	SR5	8/20/2019 15:05	27.74	79.6	5.97	7.4	SR5	8/20/2019 21:05	28.05	79.6	5.97	8.6
SR5	8/20/2019 3:10	27.69	74.5	5.58	8.1	SR5	8/20/2019 9:10	27.33	76.8	5.76	5.9	SR5	8/20/2019 15:10	27.74	76.6	5.74	7.2	SR5	8/20/2019 21:10	28.35	77.8	5.83	7.8
SR5	8/20/2019 3:15	27.64	76.2	5.71	5.9	SR5	8/20/2019 9:15	27.30	75.5	5.65	6.3	SR5	8/20/2019 15:15	28.34	81.4	6.10	6.9	SR5	8/20/2019 21:15	27.96	81.1	6.08	7.4
SR5	8/20/2019 3:20	27.78	78.8	5.90	5.6	SR5	8/20/2019 9:20	27.23	75.2	5.64	5.3	SR5	8/20/2019 15:20	28.31	79.0	5.92	7.8	SR5	8/20/2019 21:20	27.98	78.0	5.84	6.8
SR5	8/20/2019 3:25	27.81	75.7	5.67	6.6	SR5	8/20/2019 9:25	27.20	76.6	5.74	6.0	SR5	8/20/2019 15:25	28.52	80.1	6.00	5.8	SR5	8/20/2019 21:25	28.22	78.7	5.90	7.5
SR5	8/20/2019 3:30	27.91	79.7	5.97	7.0	SR5	8/20/2019 9:30	27.19	75.6	5.67	6.7	SR5	8/20/2019 15:30	28.45	82.7	6.20	6.3	SR5	8/20/2019 21:30	27.93	81.2	6.09	6.7
SR5	8/20/2019 3:35	27.92	79.4	5.95	5.1	SR5	8/20/2019 9:35	27.21	78.5	5.88	6.7	SR5	8/20/2019 15:35	28.42	80.2	6.01	7.0	SR5	8/20/2019 21:35	27.89	77.4	5.80	7.8
SR5	8/20/2019 3:40	27.90	79.7	5.97	6.0	SR5	8/20/2019 9:40	27.20	74.9	5.61	5.3	SR5	8/20/2019 15:40	28.64	81.6	6.11	6.1	SR5	8/20/2019 21:40	27.93	80.9	6.06	6.4
SR5	8/20/2019 3:45	27.93	75.9	5.68	7.3	SR5	8/20/2019 9:45	27.15	79.2	5.94	5.2	SR5	8/20/2019 15:45	28.65	78.2	5.86	7.2	SR5	8/20/2019 21:45	27.91	82.8	6.21	7.5
SR5	8/20/2019 3:50	27.87	80.2	6.01	6.1	SR5	8/20/2019 9:50	27.11	78.3	5.87	6.4	SR5	8/20/2019 15:50	28.48	80.4	6.03	7.3	SR5	8/20/2019 21:50	27.43	81.9	6.14	7.4
SR5	8/20/2019 3:55	27.92	79.5	5.96	8.0	SR5	8/20/2019 9:55	27.11	76.3	5.72	5.4	SR5	8/20/2019 15:55	28.73	76.4	5.73	6.7	SR5	8/20/2019 21:55	26.99	80.0	6.00	6.6

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/20/2019 0:01	27.37	52.7	3.93	6.4	SR12	8/20/2019 6:01	27.14	55.7	4.16	6.1	SR12	8/20/2019 12:01	26.58	57.9	4.32	6.5	SR12	8/20/2019 18:01	27.19	75.6	5.64	8.1
SR12	8/20/2019 0:06	27.43	55.3	4.13	6.7	SR12	8/20/2019 6:06	27.10	55.5	4.14	6.7	SR12	8/20/2019 12:06	26.75	62.7	4.68	6.9	SR12	8/20/2019 18:06	27.23	75.2	5.61	6.4
SR12	8/20/2019 0:11	27.34	52.9	3.95	7.4	SR12	8/20/2019 6:11	27.19	58.7	4.38	7.2	SR12	8/20/2019 12:11	26.73	62.6	4.67	5.9	SR12	8/20/2019 18:11	27.24	76.0	5.67	7.8
SR12	8/20/2019 0:16	27.40	51.7	3.86	6.0	SR12	8/20/2019 6:16	27.25	58.7	4.38	5.7	SR12	8/20/2019 12:16	26.83	61.9	4.62	6.2	SR12	8/20/2019 18:16	27.25	75.0	5.60	7.4
SR12	8/20/2019 0:21	27.66	55.9	4.17	5.8	SR12	8/20/2019 6:21	27.39	63.9	4.77	6.0	SR12	8/20/2019 12:21	27.39	72.8	5.43	5.8	SR12	8/20/2019 18:21	27.25	74.0	5.52	9.6
SR12	8/20/2019 0:26	27.59	53.3	3.98	6.3	SR12	8/20/2019 6:26	27.41	66.3	4.95	8.1	SR12	8/20/2019 12:26	27.40	71.6	5.34	6.0	SR12	8/20/2019 18:26	27.24	72.4	5.40	7.0
SR12	8/20/2019 0:31	27.63	53.5	3.99	7.3	SR12	8/20/2019 6:31	27.37	64.3	4.80	5.4	SR12	8/20/2019 12:31	27.42	72.2	5.39	6.8	SR12	8/20/2019 18:31	27.25	72.8	5.43	9.2
SR12	8/20/2019 0:36	27.63	53.7	4.01	6.4	SR12	8/20/2019 6:36	27.42	65.8	4.91	5.6	SR12	8/20/2019 12:36	27.26	67.9	5.07	7.3	SR12	8/20/2019 18:36	27.26	75.4	5.63	8.2
SR12	8/20/2019 0:41	27.76	56.3	4.20	8.0	SR12	8/20/2019 6:41	27.41	62.3	4.65	5.9	SR12	8/20/2019 12:41	27.29	67.0	5.00	8.0	SR12	8/20/2019 18:41	27.26	74.8	5.58	8.8
SR12	8/20/2019 0:46	27.69	56.5	4.22	6.2	SR12	8/20/2019 6:46	27.39	63.9	4.77	5.1	SR12	8/20/2019 12:46	27.41	69.8	5.27	8.1	SR12	8/20/2019 18:46	27.26	73.8	5.51	7.9
SR12	8/20/2019 0:51	27.65	55.1	4.11	7.1	SR12	8/20/2019 6:51	27.34	62.2	4.64	6.2	SR12	8/20/2019 12:51	27.40	70.8	5.28	6.3	SR12	8/20/2019 18:51	27.27	74.8	5.58	7.4
SR12	8/20/2019 0:56	27.72	57.1	4.26	5.7	SR12	8/20/2019 6:56	27.16	57.9	4.32	5.6	SR12	8/20/2019 12:56	27.47	72.4	5.40	7.2	SR12	8/20/2019 18:56	27.31	78.3	5.84	7.5
SR12	8/20/2019 1:01	27.76	54.9	4.10	6.4	SR12	8/20/2019 7:01	27.23	58.2	4.34	6.9	SR12	8/20/2019 13:01	27.35	69.1	5.16	7.6	SR12	8/20/2019 19:01	27.30	76.6	5.72	9.1
SR12	8/20/2019 1:06	27.77	57.1	4.26	7.6	SR12	8/20/2019 7:06	27.28	61.1	4.56	6.6	SR12	8/20/2019 13:06	27.21	66.7	4.98	6.6	SR12	8/20/2019 19:06	27.36	77.5	5.78	7.1
SR12	8/20/2019 1:11	27.69	54.5	4.07	6.8	SR12	8/20/2019 7:11	27.26	59.4	4.43	5.5	SR12	8/20/2019 13:11	27.44	71.4	5.33	8.4	SR12	8/20/2019 19:11	27.37	75.6	5.64	7.1
SR12	8/20/2019 1:16	27.81	56.7	4.23	8.3	SR12	8/20/2019 7:16	27.34	64.7	4.83	7.4	SR12	8/20/2019 13:16	27.48	72.8	5.43	5.9	SR12	8/20/2019 19:16	27.40	78.3	5.84	7.1
SR12	8/20/2019 1:21	27.79	57.1	4.26	7.0	SR12	8/20/2019 7:21	27.24	60.2	4.49	6.1	SR12	8/20/2019 13:21	27.49	72.0	5.37	7.3	SR12	8/20/2019 19:21	27.47	78.7	5.87	9.2
SR12	8/20/2019 1:26	27.79	57.5	4.29	5.3	SR12	8/20/2019 7:26	27.22	62.6	4.67	6.7	SR12	8/20/2019 13:26	27.45	71.6	5.34	5.6	SR12	8/20/2019 19:26	27.47	77.1	5.75	7.3
SR12	8/20/2019 1:31	27.74	56.1	4.19	6.7	SR12	8/20/2019 7:31	27.21	58.6	4.37	5.8	SR12	8/20/2019 13:31	27.52	73.4	5.48	7.1	SR12	8/20/2019 19:31	27.48	80.4	6.00	8.5
SR12	8/20/2019 1:36	27.80	57.4	4.28	5.7	SR12	8/20/2019 7:36	27.21	63.4	4.73	6.3	SR12	8/20/2019 13:36	27.52	72.8	5.43	7.9	SR12	8/20/2019 19:36	27.49	76.8	5.73	8.1
SR12	8/20/2019 1:41	27.83	59.0	4.40	5.6	SR12	8/20/2019 7:41	27.27	61.1	4.56	7.0	SR12	8/20/2019 13:41	27.41	70.6	5.27	7.0	SR12	8/20/2019 19:41	27.52	76.2	5.69	9.7
SR12	8/20/2019 1:46	27.78	59.5	4.44	7.1	SR12	8/20/2019 7:46	27.25	61.8	4.61	6.4	SR12	8/20/2019 13:46	27.57	75.2	5.61	7.2	SR12	8/20/2019 19:46	27.52	77.5	5.78	7.1
SR12	8/20/2019 1:51	27.87	61.8	4.61	7.5	SR12	8/20/2019 7:51	27.26	61.9	4.62	6.3	SR12	8/20/2019 13:51	27.54	74.6	5.57	8.0	SR12	8/20/2019 19:51	27.52	78.4	5.85	7.8
SR12	8/20/2019 1:56	27.82	61.0	4.55	6.5	SR12	8/20/2019 7:56	27.23	65.4	4.88	5.8	SR12	8/20/2019 13:56	27.62	76.6	5.72	6.5	SR12	8/20/2019 19:56	27.56	79.5	5.93	7.1
SR12	8/20/2019 2:01	27.71	57.9	4.32	6.6	SR12	8/20/2019 8:01	27.25	65.0	4.85	6.4	SR12	8/20/2019 14:01	27.57	74.8	5.58	6.9	SR12	8/20/2019 20:01	27.58	79.6	5.94	7.3
SR12	8/20/2019 2:06	27.59	55.9	4.17	6.2	SR12	8/20/2019 8:06	27.27	64.2	4.79	7.0	SR12	8/20/2019 14:06	27.45	71.4	5.33	6.5	SR12	8/20/2019 20:06	27.58	76.8	5.73	11.6
SR12	8/20/2019 2:11	27.65	57.1	4.26	6.3	SR12	8/20/2019 8:11	27.30	66.3	4.95	7.1	SR12	8/20/2019 14:11	27.30	71.6	5.34	6.1	SR12	8/20/2019 20:11	27.58	76.4	5.70	6.0
SR12	8/20/2019 2:16	27.61	57.1	4.26	6.2	SR12	8/20/2019 8:16	27.20	66.7	4.98	7.5	SR12	8/20/2019 14:16	27.29	69.1	5.16	6.4	SR12	8/20/2019 20:16	27.57	74.0	5.52	7.6
SR12	8/20/2019 2:21	27.60	58.3	4.35	7.0	SR12	8/20/2019 8:21	27.23	66.6	4.97	7.2	SR12	8/20/2019 14:21	27.64	75.4	5.63	6.1	SR12	8/20/2019 20:21	27.58	78.0	5.82	7.1
SR12	8/20/2019 2:26	27.71	59.4	4.43	5.5	SR12	8/20/2019 8:26	27.06	63.9	4.77	5.0	SR12	8/20/2019 14:26	27.10	64.7	4.83	5.9	SR12	8/20/2019 20:26	27.57	75.0	5.60	6.7
SR12	8/20/2019 2:31	27.63	59.8	4.46	6.3	SR12	8/20/2019 8:31	26.89	59.1	4.41	6.4	SR12	8/20/2019 14:31	27.46	72.8	5.43	6.5	SR12	8/20/2019 20:31	27.60	76.6	5.72	8.2
SR12	8/20/2019 2:36	27.74	60.3	4.50	6.1	SR12	8/20/2019 8:36	26.81	58.3	4.35	6.5	SR12	8/20/2019 14:36	27.49	72.2	5.39	8.0	SR12	8/20/2019 20:36	27.59	79.1	5.90	6.3
SR12	8/20/2019 2:41	27.50	55.7	4.16	5.6	SR12	8/20/2019 8:41	26.72	58.7	4.38	6.8	SR12	8/20/2019 14:41	27.10	66.6	4.97	5.6	SR12	8/20/2019 20:41	27.59	73.6	5.49	8.3
SR12	8/20/2019 2:46	27.67	57.0	4.25	5.9	SR12	8/20/2019 8:46	26.70	57.4	4.28	6.2	SR12	8/20/2019 14:46	27.41	71.2	5.31	7.3	SR12	8/20/2019 20:46	27.58	75.0	5.60	8.3
SR12	8/20/2019 2:51	27.66	58.6	4.37	5.9	SR12	8/20/2019 8:51	26.75	55.1	4.11	7.2	SR12	8/20/2019 14:51	27.27	66.7	4.98	7.9	SR12	8/20/2019 20:51	27.59	74.2	5.54	7.2
SR12	8/20/2019 2:56	27.74	59.4	4.43	6.4	SR12	8/20/2019 8:56	26.64	56.7	4.23	6.5	SR12	8/20/2019 14:56	27.48	72.4	5.40	6.9	SR12	8/20/2019 20:56	27.57	73.2	5.46	6.1
SR12	8/20/2019 3:01	27.91	63.8	4.76	5.6	SR12	8/20/2019 9:01	26.76	57.0	4.25	5.5	SR12	8/20/2019 15:01	27.44	71.0	5.30	7.2	SR12	8/20/2019 21:01	27.47	73.8	5.51	7.4
SR12	8/20/2019 3:06	27.86	60.3	4.50	1.5	SR12	8/20/2019 9:06	26.71	55.7	4.16	6.1	SR12	8/20/2019 15:06	27.45	71.4	5.33	6.1	SR12	8/20/2019 21:06	27.48	71.2	5.31	6.9
SR12	8/20/2019 3:11	27.71	57.4	4.28	6.0	SR12	8/20/2019 9:11	26.71	54.3	4.05	5.2	SR12	8/20/2019 15:11	27.48	70.8	5.28	6.0	SR12	8/20/2019 21:11	27.40	71.4	5.33	7.0
SR12	8/20/2019 3:16	27.77	60.6	4.52	5.6	SR12	8/20/2019 9:16	26.73	53.7	4.01	6.1	SR12	8/20/2019 15:16	27.49	70.6	5.27	8.1	SR12	8/20/2019 21:16	27.49	69.9	5.22	7.8
SR12	8/20/2019 3:21	27.82	61.9	4.62	5.5	SR12	8/20/2019 9:21	26.71	54.9	4.10	7.3	SR12	8/20/2019 15:21	27.31	65.5	4.89	6.2	SR12	8/20/2019 21:21	27.28	65.4	4.88	8.4
SR12	8/20/2019 3:26	27.81	61.1	4.56	6.0	SR12	8/20/2019 9:26	26.56	53.3	3.98	7.1	SR12	8/20/2019 15:26	27.30	68.2	5.09	6.6	SR12	8/20/2019 21:26	27.36	61.1	4.56	6.7
SR12	8/20/2019 3:31	27.62	56.7	4.23	7.3	SR12	8/20/2019 9:31	26.59	52.5	3.92	6.2	SR12	8/20/2019 15:31	27.04	63.9	4.77	7.0	SR12	8/20/2019 21:31	27.30	60.3	4.50	9.1
SR12	8/20/2019 3:36	27.75	61.4	4.58	6.6	SR12	8/20/2019 9:36	26.58	52.5	3.92	6.5	SR12	8/20/2019 15:36	27.15	66.2	4.94	7.6	SR12	8/20/2019 21:36	27.22	61.0	4.55	8.7
SR12	8/20/2019 3:41	27.74	60.7	4.53	6.0	SR12	8/20/2019 9:41	26.63	53.1	3.96	7.7	SR12	8/20/2019 15:41	27.02	63.1	4.71	8.9	SR12	8/20/2019 21:41	27.28	61.8	4.61	7.8
SR12	8/20/2019 3:46	27.70	60.2	4.49	6.6	SR12	8/20/2019 9:46	26.61	53.3	3.98	6.7	SR12	8/20/2019 15:46	26.96	63.0	4.70	6.8	SR12	8/20/2019 21:46	27.14	59.9	4.47	6.5
SR12	8/20/2019 3:51	27.66	59.4	4.43	5.9	SR12	8/20/2019 9:51	26.60	52.1	3.89	6.7	SR12	8/20/2019 15:51	27.07</									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/20/2019 0:00	28.53	78.6	5.92	5.9	SR13	8/20/2019 6:00	28.81	78.3	5.90	6.7	SR13	8/20/2019 12:00	28.73	75.5	5.69	6.5	SR13	8/20/2019 18:00	28.97	79.6	6.00	6.4
SR13	8/20/2019 0:05	28.42	80.3	6.05	6.5	SR13	8/20/2019 6:05	28.75	74.5	5.61	6.6	SR13	8/20/2019 12:05	28.70	79.8	6.02	6.2	SR13	8/20/2019 18:05	28.91	81.8	6.17	6.6
SR13	8/20/2019 0:10	28.43	78.1	5.88	6.0	SR13	8/20/2019 6:10	28.87	81.0	6.10	5.5	SR13	8/20/2019 12:10	28.68	78.3	5.90	6.7	SR13	8/20/2019 18:10	28.81	79.6	6.00	6.5
SR13	8/20/2019 0:15	28.43	79.0	5.95	5.7	SR13	8/20/2019 6:15	28.92	78.5	5.92	7.0	SR13	8/20/2019 12:15	28.69	79.2	5.97	6.1	SR13	8/20/2019 18:15	28.93	77.1	5.81	6.2
SR13	8/20/2019 0:20	28.41	82.3	6.20	6.5	SR13	8/20/2019 6:20	28.96	79.1	5.96	6.8	SR13	8/20/2019 12:20	28.69	76.4	5.75	7.1	SR13	8/20/2019 18:20	28.95	78.0	5.87	6.6
SR13	8/20/2019 0:25	28.40	78.8	5.94	6.3	SR13	8/20/2019 6:25	29.00	77.6	5.85	6.0	SR13	8/20/2019 12:25	28.68	79.7	6.01	6.9	SR13	8/20/2019 18:25	28.91	83.6	6.30	5.4
SR13	8/20/2019 0:30	28.37	78.1	5.88	6.0	SR13	8/20/2019 6:30	28.96	80.4	6.06	5.4	SR13	8/20/2019 12:30	28.67	75.4	5.68	7.4	SR13	8/20/2019 18:30	28.92	83.4	6.28	6.9
SR13	8/20/2019 0:35	28.34	78.8	5.93	6.0	SR13	8/20/2019 6:35	29.00	79.7	6.01	5.5	SR13	8/20/2019 12:35	28.65	77.2	5.82	7.3	SR13	8/20/2019 18:35	28.90	82.8	6.24	6.6
SR13	8/20/2019 0:40	28.35	80.4	6.06	6.9	SR13	8/20/2019 6:40	29.13	76.0	5.72	6.9	SR13	8/20/2019 12:40	28.66	77.4	5.83	6.9	SR13	8/20/2019 18:40	28.98	82.1	6.18	6.5
SR13	8/20/2019 0:45	28.34	78.1	5.89	5.8	SR13	8/20/2019 6:45	29.07	74.5	5.61	7.4	SR13	8/20/2019 12:45	28.63	73.9	5.56	7.2	SR13	8/20/2019 18:45	28.90	79.8	6.01	5.9
SR13	8/20/2019 0:50	28.34	77.2	5.82	5.7	SR13	8/20/2019 6:50	29.29	81.9	6.17	6.4	SR13	8/20/2019 12:50	28.62	76.6	5.77	6.4	SR13	8/20/2019 18:50	28.91	81.7	6.16	6.2
SR13	8/20/2019 0:55	28.33	75.8	5.71	6.4	SR13	8/20/2019 6:55	29.41	80.9	6.10	6.7	SR13	8/20/2019 12:55	28.60	73.5	5.54	7.2	SR13	8/20/2019 18:55	28.92	82.2	6.20	6.4
SR13	8/20/2019 1:00	28.32	76.4	5.76	7.1	SR13	8/20/2019 7:00	29.35	79.7	6.00	6.6	SR13	8/20/2019 13:00	28.58	75.2	5.66	6.4	SR13	8/20/2019 19:00	28.93	81.1	6.12	6.7
SR13	8/20/2019 1:05	28.33	76.4	5.76	5.5	SR13	8/20/2019 7:05	29.34	76.8	5.79	7.2	SR13	8/20/2019 13:05	28.55	77.1	5.81	6.5	SR13	8/20/2019 19:05	28.91	78.0	5.88	5.8
SR13	8/20/2019 1:10	28.26	75.8	5.72	5.0	SR13	8/20/2019 7:10	29.33	81.0	6.10	6.4	SR13	8/20/2019 13:10	28.53	73.0	5.49	6.2	SR13	8/20/2019 19:10	28.90	81.2	6.12	6.4
SR13	8/20/2019 1:15	28.28	79.0	5.95	6.4	SR13	8/20/2019 7:15	29.37	80.7	6.08	6.7	SR13	8/20/2019 13:15	28.53	75.8	5.71	6.7	SR13	8/20/2019 19:15	28.94	82.3	6.20	6.3
SR13	8/20/2019 1:20	28.24	77.6	5.85	5.8	SR13	8/20/2019 7:20	29.28	77.2	5.82	5.9	SR13	8/20/2019 13:20	28.51	74.6	5.62	6.2	SR13	8/20/2019 19:20	28.90	77.0	5.80	6.9
SR13	8/20/2019 1:25	28.22	80.3	6.05	7.2	SR13	8/20/2019 7:25	29.26	80.4	6.06	6.2	SR13	8/20/2019 13:25	28.48	71.2	5.36	7.0	SR13	8/20/2019 19:25	28.88	78.3	5.90	6.0
SR13	8/20/2019 1:30	28.18	80.2	6.04	5.6	SR13	8/20/2019 7:30	29.41	82.5	6.22	7.3	SR13	8/20/2019 13:30	28.47	73.5	5.54	6.6	SR13	8/20/2019 19:30	28.90	80.3	6.05	6.0
SR13	8/20/2019 1:35	28.17	76.5	5.76	6.6	SR13	8/20/2019 7:35	29.72	80.0	6.03	5.7	SR13	8/20/2019 13:35	28.47	77.0	5.80	7.3	SR13	8/20/2019 19:35	28.91	77.2	5.82	6.7
SR13	8/20/2019 1:40	28.17	72.2	5.45	6.6	SR13	8/20/2019 7:40	29.49	81.6	6.15	6.3	SR13	8/20/2019 13:40	28.50	78.7	5.93	6.6	SR13	8/20/2019 19:40	28.90	80.9	6.09	5.9
SR13	8/20/2019 1:45	28.13	76.6	5.77	5.8	SR13	8/20/2019 7:45	29.60	82.9	6.25	6.5	SR13	8/20/2019 13:45	28.59	81.3	6.13	6.7	SR13	8/20/2019 19:45	28.99	81.9	6.17	6.9
SR13	8/20/2019 1:50	28.04	79.5	5.99	7.5	SR13	8/20/2019 7:50	29.48	82.4	6.21	6.5	SR13	8/20/2019 13:50	28.57	85.0	6.41	7.8	SR13	8/20/2019 19:50	29.01	82.0	6.19	6.0
SR13	8/20/2019 1:55	28.03	76.7	5.78	6.7	SR13	8/20/2019 7:55	29.51	80.1	6.04	6.8	SR13	8/20/2019 13:55	28.56	80.6	6.07	7.1	SR13	8/20/2019 19:55	29.03	80.6	6.08	5.8
SR13	8/20/2019 2:00	28.09	78.8	5.94	6.8	SR13	8/20/2019 8:00	29.48	84.0	6.34	6.8	SR13	8/20/2019 14:00	28.62	84.2	6.34	6.2	SR13	8/20/2019 20:00	29.03	80.3	6.07	8.9
SR13	8/20/2019 2:05	28.15	77.2	5.83	6.2	SR13	8/20/2019 8:05	29.31	84.5	6.36	6.4	SR13	8/20/2019 14:05	28.55	82.9	6.25	6.4	SR13	8/20/2019 20:05	28.96	76.7	5.78	6.6
SR13	8/20/2019 2:10	28.14	78.8	5.94	5.6	SR13	8/20/2019 8:10	29.30	80.0	6.03	7.0	SR13	8/20/2019 14:10	28.58	83.5	6.30	6.4	SR13	8/20/2019 20:10	28.94	78.6	5.92	6.6
SR13	8/20/2019 2:15	28.13	79.2	5.98	6.6	SR13	8/20/2019 8:15	29.42	76.6	5.77	6.3	SR13	8/20/2019 14:15	28.64	81.2	6.12	7.3	SR13	8/20/2019 20:15	28.98	74.1	5.59	7.3
SR13	8/20/2019 2:20	28.11	76.0	5.74	6.0	SR13	8/20/2019 8:20	29.54	81.3	6.13	6.5	SR13	8/20/2019 14:20	28.61	82.7	6.23	7.0	SR13	8/20/2019 20:20	28.97	74.9	5.65	6.5
SR13	8/20/2019 2:25	28.11	80.1	6.04	5.9	SR13	8/20/2019 8:25	29.59	80.0	6.03	5.9	SR13	8/20/2019 14:25	28.61	84.4	6.36	6.2	SR13	8/20/2019 20:25	28.98	72.3	5.46	7.3
SR13	8/20/2019 2:30	28.05	77.9	5.87	6.4	SR13	8/20/2019 8:30	29.53	79.1	5.96	6.2	SR13	8/20/2019 14:30	28.61	82.3	6.20	7.4	SR13	8/20/2019 20:30	28.95	75.6	5.71	6.5
SR13	8/20/2019 2:35	27.95	76.9	5.79	6.6	SR13	8/20/2019 8:35	29.52	82.8	6.24	7.2	SR13	8/20/2019 14:35	28.75	84.7	6.38	7.2	SR13	8/20/2019 20:35	28.92	78.2	5.89	6.2
SR13	8/20/2019 2:40	27.87	75.8	5.71	6.0	SR13	8/20/2019 8:40	29.51	79.6	6.00	6.3	SR13	8/20/2019 14:40	28.59	82.1	6.18	6.6	SR13	8/20/2019 20:40	28.93	77.2	5.83	7.5
SR13	8/20/2019 2:45	27.81	77.0	5.81	6.1	SR13	8/20/2019 8:45	29.53	80.7	6.08	7.3	SR13	8/20/2019 14:45	28.62	83.5	6.29	6.8	SR13	8/20/2019 20:45	28.92	75.2	5.68	6.0
SR13	8/20/2019 2:50	27.77	75.5	5.70	7.4	SR13	8/20/2019 8:50	29.56	80.7	6.08	6.6	SR13	8/20/2019 14:50	28.62	79.4	5.98	7.2	SR13	8/20/2019 20:50	28.89	78.7	5.94	6.6
SR13	8/20/2019 2:55	27.72	72.9	5.50	6.1	SR13	8/20/2019 8:55	29.58	78.3	5.90	6.8	SR13	8/20/2019 14:55	28.88	81.4	6.14	6.4	SR13	8/20/2019 20:55	28.90	74.9	5.66	6.5
SR13	8/20/2019 3:00	27.75	73.1	5.52	6.1	SR13	8/20/2019 9:00	29.51	81.0	6.10	6.6	SR13	8/20/2019 15:00	28.90	74.7	5.63	7.0	SR13	8/20/2019 21:00	28.91	73.6	5.56	7.0
SR13	8/20/2019 3:05	27.73	72.9	5.50	6.7	SR13	8/20/2019 9:05	29.54	81.6	6.15	6.7	SR13	8/20/2019 15:05	28.83	77.8	5.87	7.2	SR13	8/20/2019 21:05	28.89	73.6	5.56	6.6
SR13	8/20/2019 3:10	27.79	76.0	5.74	6.4	SR13	8/20/2019 9:10	29.52	81.5	6.14	6.1	SR13	8/20/2019 15:10	28.93	81.1	6.11	7.0	SR13	8/20/2019 21:10	28.89	72.9	5.51	6.6
SR13	8/20/2019 3:15	27.99	78.4	5.91	6.8	SR13	8/20/2019 9:15	29.51	78.5	5.91	7.0	SR13	8/20/2019 15:15	28.81	78.2	5.90	6.3	SR13	8/20/2019 21:15	28.89	77.1	5.82	6.4
SR13	8/20/2019 3:20	27.98	76.3	5.75	6.6	SR13	8/20/2019 9:20	29.49	82.1	6.19	6.3	SR13	8/20/2019 15:20	28.82	82.0	6.18	6.6	SR13	8/20/2019 21:20	28.88	74.6	5.63	6.7
SR13	8/20/2019 3:25	28.11	78.5	5.91	6.2	SR13	8/20/2019 9:25	29.48	78.9	5.95	6.3	SR13	8/20/2019 15:25	28.81	83.4	6.29	6.4	SR13	8/20/2019 21:25	28.89	79.6	6.01	6.5
SR13	8/20/2019 3:30	28.23	77.1	5.80	7.5	SR13	8/20/2019 9:30	29.48	77.8	5.86	6.7	SR13	8/20/2019 15:30	28.82	82.5	6.22	7.2	SR13	8/20/2019 21:30	28.87	74.9	5.65	6.8
SR13	8/20/2019 3:35	28.21	79.3	5.98	6.9	SR13	8/20/2019 9:35	29.46	82.3	6.20	5.8	SR13	8/20/2019 15:35	28.86	82.9	6.25	7.2	SR13	8/20/2019 21:35	28.85	78.8	5.95	6.6
SR13	8/20/2019 3:40	28.20	75.3	5.68	5.9	SR13	8/20/2019 9:40	29.45	81.5	6.14	7.2	SR13	8/20/2019 15:40	28.84	80.8	6.09	7.1	SR13	8/20/2019 21:40	28.86	76.7	5.79	6.2
SR13	8/20/2019 3:45	28.38	82.3	6.20	6.7	SR13	8/20/2019 9:45	29.45	80.2	6.04	7.1	SR13	8/20/2019 15:45	28.83	80.3	6.05	6.6	SR13	8/20/2019 21:45	28.87	76.8	5.80	5.9
SR13	8/20/2019 3:50	28.56	79.8	6.01	6.7	SR13	8/20/2019 9:50	29.44	81.0	6.10	6.1	SR13	8/20/2019 15:50	28.79									

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/20/2019 0:17	0.19				SR12	8/20/2019 0:17	0.31			
SR4	8/20/2019 0:37	0.20				SR12	8/20/2019 0:37	0.32			
SR4	8/20/2019 0:57	0.20				SR12	8/20/2019 0:57	0.32			
SR4	8/20/2019 1:17	0.21				SR12	8/20/2019 1:17	0.31			
SR4	8/20/2019 1:37	0.21				SR12	8/20/2019 1:37	0.31			
SR4	8/20/2019 1:57	0.20				SR12	8/20/2019 1:57	0.32			
SR4	8/20/2019 2:17	0.20				SR12	8/20/2019 2:17	0.31			
SR4	8/20/2019 2:37	0.20				SR12	8/20/2019 2:37	0.31			
SR4	8/20/2019 2:57	0.21				SR12	8/20/2019 2:57	0.31			
SR4	8/20/2019 3:17	0.22				SR12	8/20/2019 3:17	0.31			
SR4	8/20/2019 3:37	0.22				SR12	8/20/2019 3:37	0.32			
SR4	8/20/2019 3:57	0.22				SR12	8/20/2019 3:57	0.32			
SR4	8/20/2019 4:17	0.20				SR12	8/20/2019 4:17	0.31			
SR4	8/20/2019 4:37	0.20				SR12	8/20/2019 4:37	0.31			
SR4	8/20/2019 4:57	0.21				SR12	8/20/2019 4:57	0.32			
SR4	8/20/2019 5:17	0.20				SR12	8/20/2019 5:17	0.32			
SR4	8/20/2019 5:37	0.20				SR12	8/20/2019 5:37	0.32			
SR4	8/20/2019 5:57	0.21				SR12	8/20/2019 5:57	0.32			
SR4						SR12					
SR4	8/20/2019 6:37	0.20				SR12	8/20/2019 6:37	0.31			
SR4	8/20/2019 6:57	0.20				SR12	8/20/2019 6:57	0.32			
SR4	8/20/2019 7:17	0.22				SR12	8/20/2019 7:17	0.34			
SR4	8/20/2019 7:37	0.22				SR12	8/20/2019 7:37	0.34			
SR4	8/20/2019 7:57	0.20				SR12	8/20/2019 7:57	0.32			
SR4	8/20/2019 8:17	0.20				SR12	8/20/2019 8:17	0.34			
SR4	8/20/2019 8:37	0.21				SR12	8/20/2019 8:37	0.32			
SR4	8/20/2019 8:57	0.22				SR12	8/20/2019 8:57	0.34			
SR4	8/20/2019 9:17	0.22				SR12	8/20/2019 9:17	0.34			
SR4	8/20/2019 9:37	0.22				SR12	8/20/2019 9:37	0.32			
SR4	8/20/2019 9:57	0.21				SR12	8/20/2019 9:57	0.34			
SR4	8/20/2019 10:17	0.22				SR12	8/20/2019 10:17	0.31			
SR4	8/20/2019 10:37	0.21				SR12	8/20/2019 10:37	0.33			
SR4	8/20/2019 10:57	0.23				SR12	8/20/2019 10:57	0.33			
SR4	8/20/2019 11:17	0.22				SR12	8/20/2019 11:17	0.34			
SR4	8/20/2019 11:37	0.23				SR12	8/20/2019 11:37	0.34			
SR4	8/20/2019 11:57	0.21				SR12	8/20/2019 11:57	0.33			
SR4	8/20/2019 12:17	0.21				SR12	8/20/2019 12:17	0.33			
SR4	8/20/2019 12:37	0.21				SR12	8/20/2019 12:37	0.34			
SR4	8/20/2019 12:57	0.22				SR12	8/20/2019 12:57	0.33			
SR4	8/20/2019 13:17	0.22				SR12	8/20/2019 13:17	0.33			
SR4	8/20/2019 13:37	0.22				SR12	8/20/2019 13:37	0.30			
SR4	8/20/2019 13:57	0.20				SR12	8/20/2019 13:57	0.31			
SR4	8/20/2019 14:17	0.22				SR12	8/20/2019 14:17	0.29			
SR4	8/20/2019 14:37	0.22				SR12	8/20/2019 14:37	0.27			
SR4	8/20/2019 14:57	0.21				SR12	8/20/2019 14:57	0.27			
SR4	8/20/2019 15:17	0.23				SR12	8/20/2019 15:17	0.28			
SR4	8/20/2019 15:37	0.22				SR12	8/20/2019 15:37	0.27			
SR4	8/20/2019 15:57	0.21				SR12	8/20/2019 15:57	0.27			
SR4	8/20/2019 16:17	0.23				SR12	8/20/2019 16:17	0.28			
SR4	8/20/2019 16:37	0.21				SR12	8/20/2019 16:37	0.27			
SR4	8/20/2019 16:57	0.23				SR12	8/20/2019 16:57	0.27			
SR4	8/20/2019 17:17	0.21				SR12	8/20/2019 17:17	0.27			
SR4	8/20/2019 17:37	0.22				SR12	8/20/2019 17:37	0.27			
SR4	8/20/2019 17:57	0.21				SR12	8/20/2019 17:57	0.27			
SR4	8/20/2019 18:17	0.23				SR12	8/20/2019 18:17	0.27			
SR4	8/20/2019 18:37	0.22				SR12	8/20/2019 18:37	0.27			
SR4	8/20/2019 18:57	0.22				SR12	8/20/2019 18:57	0.27			
SR4	8/20/2019 19:17	0.23				SR12	8/20/2019 19:17	0.28			
SR4	8/20/2019 19:37	0.22				SR12	8/20/2019 19:37	0.27			
SR4	8/20/2019 19:57	0.23				SR12	8/20/2019 19:57	0.27			
SR4	8/20/2019 20:17	0.22				SR12	8/20/2019 20:17	0.27			
SR4	8/20/2019 20:37	0.23				SR12	8/20/2019 20:37	0.28			
SR4	8/20/2019 20:57	0.21				SR12	8/20/2019 20:57	0.27			
SR4	8/20/2019 21:17	0.22				SR12	8/20/2019 21:17	0.27			
SR4	8/20/2019 21:37	0.23				SR12	8/20/2019 21:37	0.27			
SR4	8/20/2019 21:57	0.23				SR12	8/20/2019 21:57	0.28			
SR4	8/20/2019 22:17	0.21				SR12	8/20/2019 22:17	0.28			
SR4	8/20/2019 22:37	0.22				SR12	8/20/2019 22:37	0.27			
SR4	8/20/2019 22:57	0.22				SR12	8/20/2019 22:57	0.27			
SR4	8/20/2019 23:17	0.23				SR12	8/20/2019 23:17	0.26			
SR4	8/20/2019 23:37	0.24				SR12	8/20/2019 23:37	0.26			
SR4	8/20/2019 23:57	0.22				SR12	8/20/2019 23:57	0.26			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR5 monitoring station was under maintenance during 12:20-12:45.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/21/2019 0:01	28.80	76.8	5.77	7.2	SR4	8/21/2019 6:01	28.39	72.8	5.48	3.6	SR4	8/21/2019 12:01	28.20	78.6	5.92	8.0	SR4	8/21/2019 18:01	28.68	85.4	6.42	8.5
SR4	8/21/2019 0:06	28.79	76.8	5.78	6.6	SR4	8/21/2019 6:06	28.31	70.6	5.32	2.1	SR4	8/21/2019 12:06	28.29	79.6	5.99	7.6	SR4	8/21/2019 18:06	28.67	81.3	6.12	8.1
SR4	8/21/2019 0:11	28.80	79.2	5.96	5.7	SR4	8/21/2019 6:11	28.35	70.1	5.28	3.3	SR4	8/21/2019 12:11	28.16	73.0	5.50	8.3	SR4	8/21/2019 18:11	28.66	82.5	6.20	7.2
SR4	8/21/2019 0:16	28.77	76.4	5.75	6.0	SR4	8/21/2019 6:16	28.35	69.1	5.20	2.2	SR4	8/21/2019 12:16	28.11	74.6	5.62	7.9	SR4	8/21/2019 18:16	28.64	82.5	6.21	7.4
SR4	8/21/2019 0:21	28.70	78.9	5.94	6.5	SR4	8/21/2019 6:21	28.37	71.0	5.34	2.1	SR4					SR4	8/21/2019 18:21	28.65	82.9	6.23	7.5	
SR4	8/21/2019 0:26	28.71	75.5	5.68	6.7	SR4	8/21/2019 6:26	28.35	71.1	5.35	3.0	SR4					SR4	8/21/2019 18:26	28.63	85.3	6.42	7.5	
SR4	8/21/2019 0:31	28.65	78.6	5.92	5.9	SR4	8/21/2019 6:31	28.35	70.0	5.26	7.7	SR4					SR4	8/21/2019 18:31	28.65	84.1	6.32	8.0	
SR4	8/21/2019 0:36	28.67	74.8	5.63	6.2	SR4	8/21/2019 6:36	28.35	70.5	5.30	6.8	SR4					SR4	8/21/2019 18:36	28.72	84.5	6.35	7.6	
SR4	8/21/2019 0:41	28.55	73.2	5.51	7.0	SR4	8/21/2019 6:41	28.35	72.8	5.48	7.0	SR4					SR4	8/21/2019 18:41	28.67	87.1	6.55	8.0	
SR4	8/21/2019 0:46	28.59	71.4	5.37	5.6	SR4	8/21/2019 6:46	28.26	67.1	5.05	7.6	SR4					SR4	8/21/2019 18:46	28.68	88.5	6.66	7.1	
SR4	8/21/2019 0:51	28.55	69.4	5.23	7.5	SR4	8/21/2019 6:51	28.33	72.6	5.46	7.1	SR4					SR4	8/21/2019 18:51	28.77	88.5	6.66	8.7	
SR4	8/21/2019 0:56	28.49	72.5	5.46	6.9	SR4	8/21/2019 6:56	28.36	69.4	5.22	7.5	SR4					SR4	8/21/2019 18:56	28.70	89.0	6.70	8.4	
SR4	8/21/2019 1:01	28.50	69.4	5.22	7.1	SR4	8/21/2019 7:01	28.31	69.3	5.21	7.7	SR4					SR4	8/21/2019 19:01	28.68	89.4	6.72	9.0	
SR4	8/21/2019 1:06	28.40	70.6	5.32	5.6	SR4	8/21/2019 7:06	28.27	68.2	5.13	7.5	SR4					SR4	8/21/2019 19:06	28.63	82.2	6.18	8.9	
SR4	8/21/2019 1:11	28.27	69.6	5.24	5.6	SR4	8/21/2019 7:11	28.31	65.3	4.91	7.6	SR4					SR4	8/21/2019 19:11	28.63	85.8	6.45	7.3	
SR4	8/21/2019 1:16	28.25	70.5	5.31	6.4	SR4	8/21/2019 7:16	28.29	70.9	5.34	7.9	SR4					SR4	8/21/2019 19:16	28.60	84.3	6.34	8.8	
SR4	8/21/2019 1:21	28.17	68.6	5.17	6.8	SR4	8/21/2019 7:21	28.25	67.5	5.08	6.7	SR4					SR4	8/21/2019 19:21	28.60	82.7	6.22	8.1	
SR4	8/21/2019 1:26	28.20	65.9	4.96	6.2	SR4	8/21/2019 7:26	28.30	68.0	5.12	8.2	SR4	8/21/2019 13:26	28.28	71.0	5.35	8.6	SR4	8/21/2019 19:26	28.53	82.3	6.20	8.3
SR4	8/21/2019 1:31	28.22	68.9	5.19	6.3	SR4	8/21/2019 7:31	28.29	67.2	5.05	6.8	SR4	8/21/2019 13:31	28.28	69.8	5.26	7.7	SR4	8/21/2019 19:31	28.59	82.5	6.21	8.2
SR4	8/21/2019 1:36	28.23	66.9	5.04	6.4	SR4	8/21/2019 7:36	28.19	64.4	4.84	7.6	SR4	8/21/2019 13:36	28.24	73.7	5.55	7.5	SR4	8/21/2019 19:36	28.49	77.7	5.84	7.8
SR4	8/21/2019 1:41	28.20	71.6	5.39	5.7	SR4	8/21/2019 7:41	28.27	65.7	4.94	7.8	SR4	8/21/2019 13:41	28.26	71.1	5.36	7.4	SR4	8/21/2019 19:41	28.58	83.0	6.24	9.1
SR4	8/21/2019 1:46	28.23	70.0	5.27	6.3	SR4	8/21/2019 7:46	28.21	67.5	5.08	8.5	SR4	8/21/2019 13:46	28.24	74.6	5.62	7.6	SR4	8/21/2019 19:46	28.52	78.9	5.94	8.1
SR4	8/21/2019 1:51	28.20	70.2	5.29	6.2	SR4	8/21/2019 7:51	28.20	67.8	5.10	8.0	SR4	8/21/2019 13:51	28.29	72.5	5.46	9.9	SR4	8/21/2019 19:51	28.56	84.0	6.32	7.9
SR4	8/21/2019 1:56	28.13	71.5	5.38	6.2	SR4	8/21/2019 7:56	28.22	69.2	5.21	8.3	SR4	8/21/2019 13:56	28.29	75.6	5.69	7.5	SR4	8/21/2019 19:56	28.54	81.5	6.13	7.8
SR4	8/21/2019 2:01	28.10	65.3	4.92	5.8	SR4	8/21/2019 8:01	28.21	68.7	5.17	7.7	SR4	8/21/2019 14:01	28.46	75.7	5.70	8.1	SR4	8/21/2019 20:01	28.53	79.8	6.01	8.6
SR4	8/21/2019 2:06	28.07	72.4	5.45	5.6	SR4	8/21/2019 8:06	28.18	65.0	4.89	7.9	SR4	8/21/2019 14:06	28.44	74.4	5.60	7.7	SR4	8/21/2019 20:06	28.50	79.0	5.94	7.7
SR4	8/21/2019 2:11	28.05	66.4	5.00	6.3	SR4	8/21/2019 8:11	28.20	66.4	5.00	6.9	SR4	8/21/2019 14:11	28.28	75.1	5.65	7.9	SR4	8/21/2019 20:11	28.49	78.4	5.90	8.8
SR4	8/21/2019 2:16	28.05	64.6	4.87	6.0	SR4	8/21/2019 8:16	28.18	68.0	5.11	8.6	SR4	8/21/2019 14:16	28.29	72.2	5.44	7.6	SR4	8/21/2019 20:16	28.44	76.9	5.79	7.6
SR4	8/21/2019 2:21	28.03	64.2	4.83	5.1	SR4	8/21/2019 8:21	28.16	68.7	5.17	7.9	SR4	8/21/2019 14:21	28.37	75.8	5.71	7.9	SR4	8/21/2019 20:21	28.45	79.7	6.00	8.8
SR4	8/21/2019 2:26	28.07	61.0	4.59	5.8	SR4	8/21/2019 8:26	28.09	64.3	4.84	6.9	SR4	8/21/2019 14:26	28.32	76.2	5.74	7.1	SR4	8/21/2019 20:26	28.47	82.7	6.22	8.0
SR4	8/21/2019 2:31	28.08	62.2	4.68	5.6	SR4	8/21/2019 8:31	28.14	65.3	4.91	7.8	SR4	8/21/2019 14:31	28.39	71.7	5.40	7.4	SR4	8/21/2019 20:31	28.49	79.2	5.96	8.1
SR4	8/21/2019 2:36	28.13	61.3	4.61	5.6	SR4	8/21/2019 8:36	28.12	65.1	4.90	7.6	SR4	8/21/2019 14:36	28.31	72.0	5.42	7.6	SR4	8/21/2019 20:36	28.51	83.0	6.25	8.5
SR4	8/21/2019 2:41	28.08	62.3	4.69	6.4	SR4	8/21/2019 8:41	28.09	66.3	4.99	7.4	SR4	8/21/2019 14:41	28.33	74.3	5.60	7.7	SR4	8/21/2019 20:41	28.53	83.9	6.31	9.8
SR4	8/21/2019 2:46	28.04	60.8	4.58	5.9	SR4	8/21/2019 8:46	28.05	69.4	5.22	7.6	SR4	8/21/2019 14:46	28.28	72.2	5.43	7.2	SR4	8/21/2019 20:46	28.49	83.7	6.29	9.6
SR4	8/21/2019 2:51	28.00	61.5	4.63	6.6	SR4	8/21/2019 8:51	28.05	66.4	5.00	7.2	SR4	8/21/2019 14:51	28.28	72.2	5.44	7.6	SR4	8/21/2019 20:51	28.47	80.0	6.02	7.9
SR4	8/21/2019 2:56	27.93	60.2	4.53	5.0	SR4	8/21/2019 8:56	28.07	69.5	5.23	7.9	SR4	8/21/2019 14:56	28.25	74.2	5.59	8.3	SR4	8/21/2019 20:56	28.50	83.3	6.27	7.7
SR4	8/21/2019 3:01	27.91	58.2	4.38	5.3	SR4	8/21/2019 9:01	27.96	63.6	4.79	6.8	SR4	8/21/2019 15:01	28.28	71.1	5.35	7.9	SR4	8/21/2019 21:01	28.48	78.3	5.89	7.8
SR4	8/21/2019 3:06	27.86	62.8	4.73	6.0	SR4	8/21/2019 9:06	28.02	65.5	4.93	7.5	SR4	8/21/2019 15:06	28.25	74.0	5.57	7.6	SR4	8/21/2019 21:06	28.50	83.3	6.27	7.8
SR4	8/21/2019 3:11	27.89	61.2	4.60	6.2	SR4	8/21/2019 9:11	28.09	66.1	4.98	6.9	SR4	8/21/2019 15:11	28.36	76.4	5.75	7.5	SR4	8/21/2019 21:11	28.50	81.1	6.10	7.8
SR4	8/21/2019 3:16	27.89	60.0	4.52	5.3	SR4	8/21/2019 9:16	28.14	71.9	5.41	7.6	SR4	8/21/2019 15:16	28.40	75.7	5.70	7.5	SR4	8/21/2019 21:16	28.25	80.2	6.03	8.5
SR4	8/21/2019 3:21	27.87	61.5	4.63	6.9	SR4	8/21/2019 9:21	28.09	67.2	5.06	8.4	SR4	8/21/2019 15:21	28.39	75.4	5.68	7.7	SR4	8/21/2019 21:21	28.27	80.0	6.02	7.4
SR4	8/21/2019 3:26	27.84	61.5	4.63	6.6	SR4	8/21/2019 9:26	28.12	70.9	5.33	7.0	SR4	8/21/2019 15:26	28.27	74.3	5.60	7.0	SR4	8/21/2019 21:26	28.28	82.3	6.19	8.8
SR4	8/21/2019 3:31	27.84	60.8	4.58	8.0	SR4	8/21/2019 9:31	28.04	66.9	5.04	7.4	SR4	8/21/2019 15:31	28.30	75.3	5.67	7.6	SR4	8/21/2019 21:31	28.24	76.4	5.75	8.3
SR4	8/21/2019 3:36	27.89	68.0	5.12	7.1	SR4	8/21/2019 9:36	28.03	64.8	4.88	7.9	SR4	8/21/2019 15:36	28.32	74.3	5.59	7.9	SR4	8/21/2019 21:36	28.24	79.2	5.95	8.1
SR4	8/21/2019 3:41	27.90	66.4	4.99	8.0	SR4	8/21/2019 9:41	27.99	68.6	5.16	7.7	SR4	8/21/2019 15:41	28.48	76.3	5.74	8.2	SR4	8/21/2019 21:41	28.26	80.4	6.05	7.5
SR4	8/21/2019 3:46	27.88	60.3	4.54	8.3	SR4	8/21/2019 9:46	28.03	67.1	5.05	8.5	SR4	8/21/2019 15:46	28.30	71.7	5.40	8.3	SR4	8/21/2019 21:46	28.26	82.4	6.20	8.2
SR4	8/21/2019 3:51	27.99	68.9	5.18	7.2	SR4	8/21/2019 9:51	28.05	71.1	5.35	7.0	SR4	8/21/2019 15:51	28.48	73.3	5.52	8.7	SR4	8/21/2019 21:51	28.26	82.3	6.19	8.5
SR4	8/21/2019 3:56	28.11	64.2	4.83	8.2	SR4	8/21/2019 9:56	28.00	70.2	5.28	7.5	SR4	8/21/2019 15:56	28.34	75.6	5.69	8.2	SR4	8/21/2019 21:56	28.29	79.2	5.95	8.7
SR4	8/21/2019 4:01	28.00	61.9	4.66	8.1	SR4	8/21/2019 10:01	27.95	65.8	4.95	8.5	SR4	8/21/2019 16:01	28.41	75.7	5.70	7.9	SR4	8/21/2019 22:01	28.29	80.4	6.04	8.8
SR4	8/21/2019 4:06	28.09	62.6	4.72	7.1	SR4	8/21/2019 10:06	27.94															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/21/2019 0:00	26.76	83.1	6.25	7.8	SR5	8/21/2019 6:00	27.84	77.6	5.82	7.0	SR5	8/21/2019 12:00	26.63	86.0	6.45	6.1	SR5	8/21/2019 18:00	28.90	77.4	5.80	5.6
SR5	8/21/2019 0:05	26.78	84.1	6.32	6.9	SR5	8/21/2019 6:05	27.82	74.8	5.60	7.0	SR5	8/21/2019 12:05	26.70	85.9	6.44	5.7	SR5	8/21/2019 18:05	28.88	78.0	5.85	6.3
SR5	8/21/2019 0:10	26.74	79.9	6.01	8.5	SR5	8/21/2019 6:10	27.83	76.5	5.74	7.6	SR5	8/21/2019 12:10	26.63	81.1	6.08	4.8	SR5	8/21/2019 18:10	28.87	79.5	5.96	5.4
SR5	8/21/2019 0:15	26.68	83.2	6.26	6.7	SR5	8/21/2019 6:15	27.83	78.0	5.84	8.0	SR5	8/21/2019 12:15	26.59	80.4	6.03	6.5	SR5	8/21/2019 18:15	28.86	77.9	5.84	5.1
SR5	8/21/2019 0:20	26.62	84.3	6.34	6.6	SR5	8/21/2019 6:20	27.87	77.9	5.84	7.5	SR5	8/21/2019 12:20	26.57	82.9	6.21	4.6	SR5	8/21/2019 18:20	28.87	81.0	6.07	5.8
SR5	8/21/2019 0:25	26.65	83.8	6.30	6.8	SR5	8/21/2019 6:25	27.92	79.8	5.98	6.8	SR5	8/21/2019 12:25	26.57	80.8	6.06	6.5	SR5	8/21/2019 18:25	28.87	78.6	5.89	5.4
SR5	8/21/2019 0:30	26.64	81.7	6.14	8.9	SR5	8/21/2019 6:30	27.88	76.4	5.72	7.5	SR5	8/21/2019 12:30	26.67	81.0	6.07	5.2	SR5	8/21/2019 18:30	28.87	81.1	6.10	5.2
SR5	8/21/2019 0:35	26.62	81.1	6.10	7.4	SR5	8/21/2019 6:35	27.88	76.5	5.73	7.1	SR5	8/21/2019 12:35	27.20	80.9	6.06	4.7	SR5	8/21/2019 18:35	28.89	83.9	6.31	6.3
SR5	8/21/2019 0:40	26.59	85.3	6.42	7.5	SR5	8/21/2019 6:40	27.87	74.4	5.60	7.1	SR5	8/21/2019 12:40	27.72	81.9	6.14	4.6	SR5	8/21/2019 18:40	28.90	83.1	6.25	6.1
SR5	8/21/2019 0:45	26.57	81.1	6.10	8.0	SR5	8/21/2019 6:45	27.90	75.4	5.65	7.4	SR5	8/21/2019 12:45	27.62	80.1	6.00	5.6	SR5	8/21/2019 18:45	28.91	75.8	5.71	5.1
SR5	8/21/2019 0:50	26.56	82.7	6.22	9.1	SR5	8/21/2019 6:50	27.89	76.7	5.75	6.3	SR5	8/21/2019 12:50	27.75	83.2	6.24	5.3	SR5	8/21/2019 18:50	28.89	80.0	6.01	4.7
SR5	8/21/2019 0:55	26.59	79.6	5.99	6.8	SR5	8/21/2019 6:55	27.93	72.9	5.46	7.7	SR5	8/21/2019 12:55	27.70	80.0	6.00	6.0	SR5	8/21/2019 18:55	28.90	77.8	5.85	6.2
SR5	8/21/2019 1:00	26.81	80.5	6.06	8.3	SR5	8/21/2019 7:00	27.97	74.3	5.57	7.2	SR5	8/21/2019 13:00	27.77	81.3	6.09	4.5	SR5	8/21/2019 19:00	28.87	85.2	6.41	6.6
SR5	8/21/2019 1:05	27.13	84.3	6.34	7.1	SR5	8/21/2019 7:05	27.98	75.0	5.62	6.5	SR5	8/21/2019 13:05	27.55	82.9	6.22	6.2	SR5	8/21/2019 19:05	28.87	80.8	6.08	5.6
SR5	8/21/2019 1:10	27.13	84.5	6.36	7.2	SR5	8/21/2019 7:10	28.01	74.8	5.60	6.7	SR5	8/21/2019 13:10	27.67	79.7	5.97	5.6	SR5	8/21/2019 19:10	28.87	84.6	6.36	5.6
SR5	8/21/2019 1:15	27.24	82.0	6.17	9.6	SR5	8/21/2019 7:15	27.99	76.2	5.71	7.4	SR5	8/21/2019 13:15	27.68	80.2	6.02	4.6	SR5	8/21/2019 19:15	28.87	82.5	6.21	4.8
SR5	8/21/2019 1:20	27.23	84.6	6.36	6.2	SR5	8/21/2019 7:20	28.00	76.3	5.72	6.6	SR5	8/21/2019 13:20	27.67	79.8	5.98	5.3	SR5	8/21/2019 19:20	28.86	82.3	6.19	6.3
SR5	8/21/2019 1:25	27.16	78.6	5.91	7.2	SR5	8/21/2019 7:25	27.99	72.8	5.46	6.9	SR5	8/21/2019 13:25	27.60	84.4	6.33	6.2	SR5	8/21/2019 19:25	28.86	80.1	6.02	5.9
SR5	8/21/2019 1:30	27.13	83.8	6.30	7.7	SR5	8/21/2019 7:30	28.00	71.8	5.38	7.3	SR5	8/21/2019 13:30	27.63	81.4	6.10	6.4	SR5	8/21/2019 19:30	28.90	83.7	6.29	4.9
SR5	8/21/2019 1:35	27.14	82.3	6.20	7.3	SR5	8/21/2019 7:35	28.00	74.2	5.56	7.2	SR5	8/21/2019 13:35	27.63	81.2	6.09	5.3	SR5	8/21/2019 19:35	28.89	80.4	6.04	4.4
SR5	8/21/2019 1:40	27.18	82.9	6.24	7.3	SR5	8/21/2019 7:40	28.00	76.4	5.73	7.3	SR5	8/21/2019 13:40	27.61	80.2	6.01	5.3	SR5	8/21/2019 19:40	28.83	83.2	6.26	5.1
SR5	8/21/2019 1:45	27.04	77.9	5.86	6.6	SR5	8/21/2019 7:45	28.00	74.2	5.56	7.2	SR5	8/21/2019 13:45	27.59	81.5	6.11	5.1	SR5	8/21/2019 19:45	28.82	78.7	5.92	5.8
SR5	8/21/2019 1:50	27.02	77.8	5.85	8.3	SR5	8/21/2019 7:50	28.01	75.7	5.67	6.9	SR5	8/21/2019 13:50	27.61	78.4	5.88	5.8	SR5	8/21/2019 19:50	28.82	80.4	6.04	5.5
SR5	8/21/2019 1:55	26.95	78.4	5.90	7.8	SR5	8/21/2019 7:55	28.03	74.5	5.58	7.6	SR5	8/21/2019 13:55	27.61	82.3	6.17	4.6	SR5	8/21/2019 19:55	28.67	81.8	6.15	8.0
SR5	8/21/2019 2:00	27.04	78.4	5.90	7.3	SR5	8/21/2019 8:00	28.06	75.0	5.62	7.1	SR5	8/21/2019 14:00	27.66	82.5	6.18	6.2	SR5	8/21/2019 20:00	28.85	81.0	6.09	5.6
SR5	8/21/2019 2:05	27.14	77.9	5.86	6.9	SR5	8/21/2019 8:05	28.06	74.1	5.55	6.9	SR5	8/21/2019 14:05	27.69	79.8	5.98	4.3	SR5	8/21/2019 20:05	28.66	82.7	6.22	5.1
SR5	8/21/2019 2:10	27.11	76.3	5.74	7.3	SR5	8/21/2019 8:10	28.05	75.8	5.68	7.8	SR5	8/21/2019 14:10	28.02	76.3	5.75	5.8	SR5	8/21/2019 20:10	28.67	79.6	5.98	6.3
SR5	8/21/2019 2:15	27.08	74.0	5.57	7.7	SR5	8/21/2019 8:15	28.04	76.7	5.74	7.8	SR5	8/21/2019 14:15	27.97	82.1	6.16	5.9	SR5	8/21/2019 20:15	28.64	79.3	5.96	5.9
SR5	8/21/2019 2:20	27.01	75.7	5.70	7.7	SR5	8/21/2019 8:20	27.99	74.7	5.59	7.6	SR5	8/21/2019 14:20	27.88	79.5	5.96	5.1	SR5	8/21/2019 20:20	28.64	83.1	6.25	4.5
SR5	8/21/2019 2:25	27.04	73.4	5.52	7.8	SR5	8/21/2019 8:25	27.99	76.4	5.73	7.2	SR5	8/21/2019 14:25	27.80	78.9	5.91	6.3	SR5	8/21/2019 20:25	28.66	83.1	6.25	5.7
SR5	8/21/2019 2:30	27.06	75.5	5.65	8.4	SR5	8/21/2019 8:30	27.98	76.2	5.71	6.4	SR5	8/21/2019 14:30	27.72	84.1	6.30	5.4	SR5	8/21/2019 20:30	28.67	85.3	6.42	6.3
SR5	8/21/2019 2:35	27.08	73.9	5.54	7.4	SR5	8/21/2019 8:35	28.00	77.1	5.77	6.8	SR5	8/21/2019 14:35	27.83	82.6	6.19	4.6	SR5	8/21/2019 20:35	28.66	82.4	6.20	5.6
SR5	8/21/2019 2:40	27.05	73.6	5.51	8.2	SR5	8/21/2019 8:40	28.00	78.1	5.85	5.7	SR5	8/21/2019 14:40	27.80	82.8	6.21	6.4	SR5	8/21/2019 20:40	28.63	89.4	6.72	5.1
SR5	8/21/2019 2:45	27.03	75.4	5.64	8.4	SR5	8/21/2019 8:45	27.97	76.7	5.75	5.9	SR5	8/21/2019 14:45	27.69	81.3	6.09	4.3	SR5	8/21/2019 20:45	28.61	87.4	6.57	5.5
SR5	8/21/2019 2:50	27.03	76.1	5.70	8.3	SR5	8/21/2019 8:50	28.06	79.1	5.93	6.1	SR5	8/21/2019 14:50	27.81	80.3	6.02	5.2	SR5	8/21/2019 20:50	28.63	85.8	6.45	6.6
SR5	8/21/2019 2:55	27.02	72.9	5.46	6.3	SR5	8/21/2019 8:55	28.01	78.5	5.88	5.8	SR5	8/21/2019 14:55	27.92	77.8	5.83	6.0	SR5	8/21/2019 20:55	28.63	80.8	6.07	6.6
SR5	8/21/2019 3:00	26.98	75.3	5.64	6.5	SR5	8/21/2019 9:00	28.01	78.8	5.90	7.0	SR5	8/21/2019 15:00	27.98	80.9	6.06	4.8	SR5	8/21/2019 21:00	28.63	84.1	6.33	6.1
SR5	8/21/2019 3:05	26.97	74.1	5.55	8.4	SR5	8/21/2019 9:05	28.02	78.2	5.86	6.3	SR5	8/21/2019 15:05	27.92	82.5	6.19	4.9	SR5	8/21/2019 21:05	28.63	82.5	6.21	6.5
SR5	8/21/2019 3:10	27.01	76.1	5.70	8.1	SR5	8/21/2019 9:10	28.01	76.8	5.76	6.2	SR5	8/21/2019 15:10	27.93	78.6	5.89	5.0	SR5	8/21/2019 21:10	28.62	80.7	6.07	6.6
SR5	8/21/2019 3:15	26.97	77.1	5.77	7.9	SR5	8/21/2019 9:15	27.85	79.1	5.93	6.4	SR5	8/21/2019 15:15	28.25	79.6	5.96	5.5	SR5	8/21/2019 21:15	28.61	76.9	5.78	6.5
SR5	8/21/2019 3:20	27.01	73.2	5.48	7.2	SR5	8/21/2019 9:20	27.93	77.0	5.77	5.6	SR5	8/21/2019 15:20	28.33	80.5	6.04	5.5	SR5	8/21/2019 21:20	28.61	81.6	6.13	6.4
SR5	8/21/2019 3:25	26.96	72.7	5.45	7.8	SR5	8/21/2019 9:25	27.94	77.6	5.82	6.5	SR5	8/21/2019 15:25	28.33	82.5	6.18	4.4	SR5	8/21/2019 21:25	28.62	79.5	5.98	5.9
SR5	8/21/2019 3:30	26.96	72.5	5.43	6.1	SR5	8/21/2019 9:30	27.95	77.3	5.80	6.4	SR5	8/21/2019 15:30	28.25	82.8	6.21	4.6	SR5	8/21/2019 21:30	28.57	79.2	5.96	6.8
SR5	8/21/2019 3:35	26.96	73.2	5.48	8.0	SR5	8/21/2019 9:35	28.02	79.7	5.97	7.1	SR5	8/21/2019 15:35	28.28	79.1	5.93	5.2	SR5	8/21/2019 21:35	28.56	76.6	5.76	6.2
SR5	8/21/2019 3:40	27.00	73.0	5.47	7.6	SR5	8/21/2019 9:40	27.84	79.5	5.96	6.3	SR5	8/21/2019 15:40	28.27	81.8	6.13	6.9	SR5	8/21/2019 21:40	28.59	78.8	5.93	5.9
SR5	8/21/2019 3:45	27.20	74.0	5.54	6.9	SR5	8/21/2019 9:45	27.94	77.8	5.83	6.9	SR5	8/21/2019 15:45	28.51	84.2	6.31	5.8	SR5	8/21/2019 21:45	28.51	78.6	5.92	5.8
SR5	8/21/2019 3:50	27.18	71.6	5.36	7.4	SR5	8/21/2019 9:50	27.88	80.6	6.04	6.0	SR5	8/21/2019 15:50	28.67	81.4	6.10	5.5	SR5	8/21/2019 21:50	28.53	76.5	5.76	5.3
SR5	8/21/2019 3:55	27.19	76.3	5.71	7.0	SR5	8/21/2019 9:55	27															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/21/2019 0:01	26.55	54.9	4.10	7.1	SR12	8/21/2019 6:01	26.91	60.3	4.50	7.7	SR12	8/21/2019 12:01	26.76	60.6	4.52	6.7	SR12	8/21/2019 18:01	27.06	78.3	5.84	7.1
SR12	8/21/2019 0:06	26.54	51.9	3.87	5.9	SR12	8/21/2019 6:06	26.91	63.8	4.76	6.5	SR12	8/21/2019 12:06	26.53	57.0	4.25	6.8	SR12	8/21/2019 18:06	27.05	80.8	6.03	8.8
SR12	8/21/2019 0:11	26.57	51.7	3.86	7.9	SR12	8/21/2019 6:11	26.78	56.1	4.19	7.1	SR12	8/21/2019 12:11	26.59	58.6	4.37	6.5	SR12	8/21/2019 18:11	27.00	77.2	5.76	8.1
SR12	8/21/2019 0:16	26.69	62.2	4.64	6.6	SR12	8/21/2019 6:16	26.74	56.7	4.23	7.4	SR12	8/21/2019 12:16	26.59	58.7	4.38	7.6	SR12	8/21/2019 18:16	27.02	79.1	5.90	8.2
SR12	8/21/2019 0:21	26.72	63.4	4.73	6.7	SR12	8/21/2019 6:21	26.64	55.5	4.14	6.7	SR12	8/21/2019 12:21	26.92	60.2	4.49	7.3	SR12	8/21/2019 18:21	27.03	81.2	6.06	7.4
SR12	8/21/2019 0:26	26.71	52.1	3.89	7.4	SR12	8/21/2019 6:26	26.74	61.1	4.56	8.3	SR12	8/21/2019 12:26	26.58	57.1	4.26	8.3	SR12	8/21/2019 18:26	27.05	82.8	6.18	7.7
SR12	8/21/2019 0:31	26.72	62.6	4.67	7.2	SR12	8/21/2019 6:31	26.82	62.6	4.67	6.6	SR12	8/21/2019 12:31	26.93	60.7	4.53	8.2	SR12	8/21/2019 18:31	27.06	82.4	6.15	8.6
SR12	8/21/2019 0:36	26.84	53.3	3.98	7.2	SR12	8/21/2019 6:36	26.75	60.7	4.53	6.6	SR12	8/21/2019 12:36	26.67	60.3	4.50	8.3	SR12	8/21/2019 18:36	27.07	82.3	6.14	8.9
SR12	8/21/2019 0:41	26.68	50.7	3.78	7.0	SR12	8/21/2019 6:41	26.69	60.3	4.50	7.8	SR12	8/21/2019 12:41	26.74	61.8	4.61	7.5	SR12	8/21/2019 18:41	27.08	80.7	6.02	8.9
SR12	8/21/2019 0:46	26.90	54.1	4.04	6.9	SR12	8/21/2019 6:46	26.70	62.2	4.64	6.3	SR12	8/21/2019 12:46	26.57	62.6	4.67	7.1	SR12	8/21/2019 18:46	27.09	81.9	6.11	7.1
SR12	8/21/2019 0:51	26.94	55.1	4.11	6.7	SR12	8/21/2019 6:51	26.78	63.9	4.77	7.4	SR12	8/21/2019 12:51	26.69	62.7	4.68	8.2	SR12	8/21/2019 18:51	27.14	81.6	6.09	9.7
SR12	8/21/2019 0:56	26.96	59.8	4.46	7.0	SR12	8/21/2019 6:56	26.73	61.1	4.56	6.4	SR12	8/21/2019 12:56	26.59	59.8	4.46	7.6	SR12	8/21/2019 18:56	27.15	80.8	6.03	7.7
SR12	8/21/2019 1:01	27.04	59.0	4.40	7.2	SR12	8/21/2019 7:01	26.73	61.4	4.58	6.3	SR12	8/21/2019 13:01	26.58	58.7	4.38	7.6	SR12	8/21/2019 19:01	27.15	79.2	5.91	8.4
SR12	8/21/2019 1:06	27.22	59.0	4.40	7.5	SR12	8/21/2019 7:06	26.88	65.4	4.88	8.0	SR12	8/21/2019 13:06	26.76	63.4	4.73	7.7	SR12	8/21/2019 19:06	27.15	78.3	5.84	7.8
SR12	8/21/2019 1:11	27.32	64.2	4.79	7.1	SR12	8/21/2019 7:11	26.85	60.2	4.49	6.4	SR12	8/21/2019 13:11	26.90	67.5	5.04	7.5	SR12	8/21/2019 19:11	27.19	79.5	5.93	7.3
SR12	8/21/2019 1:16	27.31	64.7	4.83	6.3	SR12	8/21/2019 7:16	26.83	60.7	4.53	8.2	SR12	8/21/2019 13:16	26.89	66.7	4.98	7.8	SR12	8/21/2019 19:16	27.21	79.6	5.94	8.0
SR12	8/21/2019 1:21	27.26	62.2	4.64	6.4	SR12	8/21/2019 7:21	26.80	61.1	4.56	6.9	SR12	8/21/2019 13:21	27.23	75.2	5.61	7.4	SR12	8/21/2019 19:21	27.23	78.7	5.87	7.0
SR12	8/21/2019 1:26	27.31	64.7	4.83	6.5	SR12	8/21/2019 7:26	26.84	62.7	4.68	7.2	SR12	8/21/2019 13:26	27.31	80.8	6.03	7.7	SR12	8/21/2019 19:26	27.24	80.0	5.97	7.7
SR12	8/21/2019 1:31	27.37	68.3	5.10	6.8	SR12	8/21/2019 7:31	26.88	62.6	4.67	6.5	SR12	8/21/2019 13:31	27.26	80.3	5.99	7.5	SR12	8/21/2019 19:31	27.29	82.3	6.14	8.8
SR12	8/21/2019 1:36	27.36	66.3	4.95	7.7	SR12	8/21/2019 7:36	26.87	60.3	4.50	7.5	SR12	8/21/2019 13:36	27.01	70.2	5.24	6.8	SR12	8/21/2019 19:36	27.29	79.5	5.93	8.6
SR12	8/21/2019 1:41	27.36	66.6	4.97	6.2	SR12	8/21/2019 7:41	26.77	59.5	4.44	7.5	SR12	8/21/2019 13:41	27.17	78.3	5.84	6.4	SR12	8/21/2019 19:41	27.31	80.3	5.99	7.7
SR12	8/21/2019 1:46	27.34	65.9	4.92	6.8	SR12	8/21/2019 7:46	26.86	61.9	4.62	7.7	SR12	8/21/2019 13:46	27.13	75.6	5.64	8.1	SR12	8/21/2019 19:46	27.32	79.6	5.94	9.6
SR12	8/21/2019 1:51	27.29	64.6	4.82	5.7	SR12	8/21/2019 7:51	26.87	65.4	4.88	6.9	SR12	8/21/2019 13:51	27.23	80.8	6.03	8.6	SR12	8/21/2019 19:51	27.36	79.1	5.90	7.5
SR12	8/21/2019 1:56	27.35	66.6	4.97	6.6	SR12	8/21/2019 7:56	26.87	63.4	4.73	8.0	SR12	8/21/2019 13:56	27.25	80.4	6.00	7.3	SR12	8/21/2019 19:56	27.36	80.0	5.97	8.9
SR12	8/21/2019 2:01	27.30	64.2	4.79	6.3	SR12	8/21/2019 8:01	26.85	62.6	4.67	7.9	SR12	8/21/2019 14:01	27.27	80.7	6.02	7.7	SR12	8/21/2019 20:01	27.38	82.0	6.12	8.6
SR12	8/21/2019 2:06	27.18	61.0	4.55	7.7	SR12	8/21/2019 8:06	26.86	63.5	4.74	6.8	SR12	8/21/2019 14:06	27.35	82.8	6.18	6.9	SR12	8/21/2019 20:06	27.46	83.9	6.26	7.8
SR12	8/21/2019 2:11	27.31	63.5	4.74	6.0	SR12	8/21/2019 8:11	26.79	61.0	4.55	8.3	SR12	8/21/2019 14:11	27.27	81.5	6.08	8.0	SR12	8/21/2019 20:11	27.46	81.9	6.11	9.1
SR12	8/21/2019 2:16	27.31	61.4	4.58	6.8	SR12	8/21/2019 8:16	26.87	64.3	4.80	8.3	SR12	8/21/2019 14:16	27.28	80.4	6.00	8.8	SR12	8/21/2019 20:16	27.47	80.7	6.02	9.5
SR12	8/21/2019 2:21	27.17	56.3	4.20	6.9	SR12	8/21/2019 8:21	26.82	63.4	4.73	7.9	SR12	8/21/2019 14:21	27.31	79.9	5.96	7.3	SR12	8/21/2019 20:21	27.47	80.4	6.00	8.4
SR12	8/21/2019 2:26	27.23	62.6	4.67	6.8	SR12	8/21/2019 8:26	26.83	63.1	4.71	7.2	SR12	8/21/2019 14:26	27.31	80.8	6.03	6.6	SR12	8/21/2019 20:26	27.46	80.0	5.97	16.8
SR12	8/21/2019 2:31	27.29	62.7	4.68	6.4	SR12	8/21/2019 8:31	26.83	64.7	4.83	7.7	SR12	8/21/2019 14:31	27.32	80.8	6.03	7.6	SR12	8/21/2019 20:31	27.48	78.3	5.84	8.5
SR12	8/21/2019 2:36	27.31	65.1	4.86	7.7	SR12	8/21/2019 8:36	26.83	65.1	4.86	7.6	SR12	8/21/2019 14:36	27.20	75.4	5.63	8.0	SR12	8/21/2019 20:36	27.47	77.6	5.79	9.3
SR12	8/21/2019 2:41	27.33	66.3	4.95	6.5	SR12	8/21/2019 8:41	26.96	63.4	4.73	7.1	SR12	8/21/2019 14:41	27.27	78.3	5.84	7.7	SR12	8/21/2019 20:41	27.48	79.1	5.90	8.6
SR12	8/21/2019 2:46	27.17	62.7	4.68	6.7	SR12	8/21/2019 8:46	26.90	63.4	4.73	6.5	SR12	8/21/2019 14:46	27.27	79.2	5.91	7.5	SR12	8/21/2019 20:46	27.50	78.8	5.88	8.6
SR12	8/21/2019 2:51	27.26	63.9	4.77	6.9	SR12	8/21/2019 8:51	26.95	61.8	4.61	7.9	SR12	8/21/2019 14:51	27.21	77.9	5.81	6.5	SR12	8/21/2019 20:51	27.50	77.5	5.78	7.6
SR12	8/21/2019 2:56	27.25	63.1	4.71	7.3	SR12	8/21/2019 8:56	26.96	64.6	4.82	6.8	SR12	8/21/2019 14:56	27.20	78.8	5.88	6.2	SR12	8/21/2019 20:56	27.52	76.6	5.72	9.3
SR12	8/21/2019 3:01	27.30	65.5	4.89	8.2	SR12	8/21/2019 9:01	26.97	68.3	5.10	8.1	SR12	8/21/2019 15:01	27.21	79.9	5.96	7.6	SR12	8/21/2019 21:01	27.52	77.5	5.78	7.2
SR12	8/21/2019 3:06	27.30	67.0	5.00	7.0	SR12	8/21/2019 9:06	26.89	65.1	4.86	7.5	SR12	8/21/2019 15:06	27.19	78.4	5.85	7.0	SR12	8/21/2019 21:06	27.52	72.8	5.43	7.2
SR12	8/21/2019 3:11	27.31	65.8	4.91	7.3	SR12	8/21/2019 9:11	26.73	61.5	4.59	6.8	SR12	8/21/2019 15:11	27.26	84.0	6.27	6.6	SR12	8/21/2019 21:11	27.52	74.6	5.57	8.1
SR12	8/21/2019 3:16	27.29	64.7	4.83	6.1	SR12	8/21/2019 9:16	26.65	62.2	4.64	7.6	SR12	8/21/2019 15:16	27.34	85.9	6.41	7.4	SR12	8/21/2019 21:16	27.51	73.2	5.46	9.2
SR12	8/21/2019 3:21	27.30	65.1	4.86	6.3	SR12	8/21/2019 9:21	26.57	59.8	4.46	7.7	SR12	8/21/2019 15:21	27.30	84.8	6.33	7.1	SR12	8/21/2019 21:21	27.51	75.4	5.63	7.3
SR12	8/21/2019 3:26	27.11	61.1	4.56	7.8	SR12	8/21/2019 9:26	26.50	58.3	4.35	6.9	SR12	8/21/2019 15:26	27.32	84.8	6.33	7.0	SR12	8/21/2019 21:26	27.52	73.8	5.51	9.3
SR12	8/21/2019 3:31	27.28	65.1	4.86	6.0	SR12	8/21/2019 9:31	26.48	57.8	4.31	8.5	SR12	8/21/2019 15:31	27.51	91.5	6.83	8.6	SR12	8/21/2019 21:31	27.52	71.4	5.33	7.8
SR12	8/21/2019 3:36	27.34	67.0	5.00	6.3	SR12	8/21/2019 9:36	26.44	53.5	3.99	6.8	SR12	8/21/2019 15:36	27.38	88.4	6.60	8.5	SR12	8/21/2019 21:36	27.54	77.1	5.75	6.8
SR12	8/21/2019 3:41	27.24	61.0	4.55	6.5	SR12	8/21/2019 9:41	26.46	55.1	4.11	8.3	SR12	8/21/2019 15:41	27.31	85.5	6.38	8.6	SR12	8/21/2019 21:41	27.55	78.8	5.88	7.7
SR12	8/21/2019 3:46	27.17	59.8	4.46	6.4	SR12	8/21/2019 9:46	26.46	54.9	4.10	8.1	SR12	8/21/2019 15:46	27.24	81.6	6.09	9.1	SR12	8/21/2019 21:46	27.47	75.4	5.63	8.3
SR12	8/21/2019 3:51	27.25	60.2	4.49	7.5	SR12	8/21/2019 9:51	26.43	54.5	4.07	7.5	SR12	8/21/2019 15:51	27.21</									

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/21/2019 0:00	28.65	78.6	5.92	7.7	SR13	8/21/2019 6:00	28.34	79.9	6.02	7.6	SR13	8/21/2019 12:00	28.74	77.6	5.85	6.7	SR13	8/21/2019 18:00	28.76	79.8	6.01	7.0
SR13	8/21/2019 0:05	28.64	78.9	5.95	7.6	SR13	8/21/2019 6:05	28.41	81.1	6.11	7.1	SR13	8/21/2019 12:05	28.67	76.6	5.77	7.5	SR13	8/21/2019 18:05	28.84	78.3	5.90	6.6
SR13	8/21/2019 0:10	28.40	82.1	6.19	7.8	SR13	8/21/2019 6:10	28.40	78.7	5.93	7.6	SR13	8/21/2019 12:10	28.62	81.8	6.16	7.5	SR13	8/21/2019 18:10	28.96	78.1	5.88	7.0
SR13	8/21/2019 0:15	28.18	81.6	6.15	7.3	SR13	8/21/2019 6:15	28.36	83.9	6.32	7.1	SR13	8/21/2019 12:15	28.64	82.3	6.20	7.4	SR13	8/21/2019 18:15	28.83	79.1	5.96	6.5
SR13	8/21/2019 0:20	28.18	79.4	5.98	7.3	SR13	8/21/2019 6:20	28.67	86.5	6.52	7.6	SR13	8/21/2019 12:20	28.19	81.6	6.15	6.1	SR13	8/21/2019 18:20	28.97	76.1	5.73	7.1
SR13	8/21/2019 0:25	28.17	78.1	5.89	6.9	SR13	8/21/2019 6:25	28.70	85.4	6.44	6.8	SR13	8/21/2019 12:25	28.24	78.1	5.89	7.1	SR13	8/21/2019 18:25	28.95	77.9	5.87	6.9
SR13	8/21/2019 0:30	28.18	80.4	6.06	7.6	SR13	8/21/2019 6:30	28.70	84.9	6.40	7.0	SR13	8/21/2019 12:30	28.44	76.3	5.75	7.4	SR13	8/21/2019 18:30	29.01	79.7	6.01	7.2
SR13	8/21/2019 0:35	28.17	80.8	6.09	7.5	SR13	8/21/2019 6:35	28.69	89.2	6.73	7.5	SR13	8/21/2019 12:35	28.19	79.3	5.98	7.2	SR13	8/21/2019 18:35	29.03	77.6	5.84	6.3
SR13	8/21/2019 0:40	28.16	78.8	5.94	7.5	SR13	8/21/2019 6:40	28.85	88.5	6.67	7.5	SR13	8/21/2019 12:40	28.25	77.8	5.86	7.4	SR13	8/21/2019 18:40	28.93	78.1	5.89	6.2
SR13	8/21/2019 0:45	28.16	77.4	5.83	7.6	SR13	8/21/2019 6:45	28.93	85.9	6.48	7.3	SR13	8/21/2019 12:45	28.15	80.4	6.06	7.0	SR13	8/21/2019 18:45	29.10	76.3	5.75	6.1
SR13	8/21/2019 0:50	28.16	80.0	6.04	7.9	SR13	8/21/2019 6:50	28.75	84.9	6.40	7.2	SR13	8/21/2019 12:50	28.03	81.6	6.15	6.7	SR13	8/21/2019 18:50	29.19	76.4	5.76	6.8
SR13	8/21/2019 0:55	28.16	80.7	6.09	7.4	SR13	8/21/2019 6:55	28.72	86.0	6.49	7.2	SR13	8/21/2019 12:55	28.17	80.6	6.07	6.9	SR13	8/21/2019 18:55	29.10	75.6	5.70	6.5
SR13	8/21/2019 1:00	28.15	75.5	5.70	7.3	SR13	8/21/2019 7:00	28.82	84.8	6.39	7.0	SR13	8/21/2019 13:00	28.13	79.6	5.99	7.4	SR13	8/21/2019 19:00	29.01	75.9	5.72	5.8
SR13	8/21/2019 1:05	28.15	74.7	5.64	7.9	SR13	8/21/2019 7:05	28.70	84.4	6.36	6.9	SR13	8/21/2019 13:05	28.00	79.5	5.99	6.9	SR13	8/21/2019 19:05	29.02	79.5	5.99	6.8
SR13	8/21/2019 1:10	28.15	79.3	5.99	7.8	SR13	8/21/2019 7:10	28.81	81.7	6.16	7.1	SR13	8/21/2019 13:10	28.12	80.5	6.07	6.9	SR13	8/21/2019 19:10	29.00	76.7	5.78	6.7
SR13	8/21/2019 1:15	28.16	75.4	5.69	8.0	SR13	8/21/2019 7:15	28.81	84.6	6.37	7.3	SR13	8/21/2019 13:15	28.09	76.5	5.77	6.6	SR13	8/21/2019 19:15	28.95	74.9	5.64	6.3
SR13	8/21/2019 1:20	28.14	77.5	5.85	7.3	SR13	8/21/2019 7:20	28.91	82.9	6.25	6.9	SR13	8/21/2019 13:20	28.00	81.5	6.14	7.0	SR13	8/21/2019 19:20	28.97	79.0	5.96	6.4
SR13	8/21/2019 1:25	28.13	78.5	5.93	8.0	SR13	8/21/2019 7:25	28.91	86.4	6.52	7.2	SR13	8/21/2019 13:25	28.14	82.2	6.19	6.9	SR13	8/21/2019 19:25	28.94	77.7	5.85	6.2
SR13	8/21/2019 1:30	28.12	77.1	5.82	7.4	SR13	8/21/2019 7:30	28.95	85.4	6.44	7.8	SR13	8/21/2019 13:30	28.05	76.8	5.79	6.6	SR13	8/21/2019 19:30	29.01	78.4	5.90	6.1
SR13	8/21/2019 1:35	28.06	77.3	5.84	6.9	SR13	8/21/2019 7:35	28.74	84.2	6.35	7.6	SR13	8/21/2019 13:35	27.94	80.3	6.05	6.3	SR13	8/21/2019 19:35	28.95	77.6	5.85	5.6
SR13	8/21/2019 1:40	28.06	77.6	5.86	7.8	SR13	8/21/2019 7:40	28.79	80.4	6.06	7.5	SR13	8/21/2019 13:40	28.04	80.2	6.04	7.2	SR13	8/21/2019 19:40	28.99	75.5	5.69	6.3
SR13	8/21/2019 1:45	28.07	79.4	5.99	7.6	SR13	8/21/2019 7:45	28.80	84.3	6.36	7.6	SR13	8/21/2019 13:45	28.05	81.5	6.14	7.0	SR13	8/21/2019 19:45	29.00	78.5	5.91	6.6
SR13	8/21/2019 1:50	28.06	80.4	6.07	8.1	SR13	8/21/2019 7:50	28.99	81.3	6.13	7.9	SR13	8/21/2019 13:50	28.02	79.9	6.02	6.3	SR13	8/21/2019 19:50	29.00	79.2	5.97	6.5
SR13	8/21/2019 1:55	28.05	76.3	5.76	7.8	SR13	8/21/2019 7:55	29.04	84.5	6.37	8.3	SR13	8/21/2019 13:55	28.06	79.1	5.96	6.9	SR13	8/21/2019 19:55	29.02	78.2	5.89	6.1
SR13	8/21/2019 2:00	28.04	76.4	5.77	8.3	SR13	8/21/2019 8:00	28.82	81.1	6.11	8.0	SR13	8/21/2019 14:00	28.00	79.3	5.97	7.0	SR13	8/21/2019 20:00	29.03	74.5	5.61	5.7
SR13	8/21/2019 2:05	28.04	77.6	5.86	8.6	SR13	8/21/2019 8:05	28.81	82.1	6.19	7.3	SR13	8/21/2019 14:05	28.02	78.8	5.94	5.9	SR13	8/21/2019 20:05	28.99	77.5	5.84	6.0
SR13	8/21/2019 2:10	27.97	77.0	5.81	7.8	SR13	8/21/2019 8:10	28.97	84.3	6.35	7.1	SR13	8/21/2019 14:10	27.86	81.8	6.16	6.5	SR13	8/21/2019 20:10	28.98	77.4	5.83	6.3
SR13	8/21/2019 2:15	27.97	79.2	5.98	8.0	SR13	8/21/2019 8:15	29.00	82.6	6.23	8.0	SR13	8/21/2019 14:15	27.95	80.2	6.05	6.5	SR13	8/21/2019 20:15	28.98	76.7	5.78	6.0
SR13	8/21/2019 2:20	28.00	83.1	6.27	8.1	SR13	8/21/2019 8:20	28.80	79.0	5.95	7.1	SR13	8/21/2019 14:20	27.88	81.0	6.10	6.5	SR13	8/21/2019 20:20	28.97	74.8	5.64	6.3
SR13	8/21/2019 2:25	28.03	82.2	6.20	7.8	SR13	8/21/2019 8:25	28.80	80.6	6.07	7.3	SR13	8/21/2019 14:25	27.96	80.9	6.10	6.7	SR13	8/21/2019 20:25	28.96	78.8	5.94	6.6
SR13	8/21/2019 2:30	28.01	78.7	5.94	8.5	SR13	8/21/2019 8:30	28.87	78.8	5.94	7.5	SR13	8/21/2019 14:30	27.88	77.5	5.84	6.9	SR13	8/21/2019 20:30	28.95	75.6	5.70	6.4
SR13	8/21/2019 2:35	27.92	78.8	5.95	6.9	SR13	8/21/2019 8:35	28.78	81.7	6.15	7.8	SR13	8/21/2019 14:35	27.89	77.5	5.84	7.2	SR13	8/21/2019 20:35	28.94	77.9	5.87	5.9
SR13	8/21/2019 2:40	27.87	81.4	6.15	7.3	SR13	8/21/2019 8:40	28.91	80.0	6.03	7.6	SR13	8/21/2019 14:40	27.91	78.7	5.93	6.3	SR13	8/21/2019 20:40	28.94	80.1	6.04	6.5
SR13	8/21/2019 2:45	27.90	78.2	5.90	6.8	SR13	8/21/2019 8:45	28.98	78.7	5.93	7.7	SR13	8/21/2019 14:45	27.89	77.1	5.81	7.4	SR13	8/21/2019 20:45	28.94	78.3	5.90	5.8
SR13	8/21/2019 2:50	27.89	76.6	5.78	8.3	SR13	8/21/2019 8:50	28.91	77.4	5.83	7.7	SR13	8/21/2019 14:50	27.92	80.1	6.03	6.3	SR13	8/21/2019 20:50	28.94	76.0	5.73	5.4
SR13	8/21/2019 2:55	27.87	81.0	6.12	7.9	SR13	8/21/2019 8:55	28.89	78.5	5.92	7.0	SR13	8/21/2019 14:55	28.22	80.1	6.03	6.3	SR13	8/21/2019 20:55	28.94	80.5	6.07	6.8
SR13	8/21/2019 3:00	27.89	80.4	6.07	7.8	SR13	8/21/2019 9:00	28.95	78.4	5.92	7.6	SR13	8/21/2019 15:00	28.47	80.0	6.03	6.5	SR13	8/21/2019 21:00	28.95	77.1	5.82	6.4
SR13	8/21/2019 3:05	27.88	80.0	6.04	8.4	SR13	8/21/2019 9:05	28.81	79.8	6.02	8.1	SR13	8/21/2019 15:05	28.39	78.7	5.93	7.2	SR13	8/21/2019 21:05	28.95	73.1	5.52	6.5
SR13	8/21/2019 3:10	27.87	82.1	6.20	8.5	SR13	8/21/2019 9:10	28.88	80.4	6.06	7.0	SR13	8/21/2019 15:10	28.46	80.8	6.09	6.6	SR13	8/21/2019 21:10	28.95	76.7	5.79	6.0
SR13	8/21/2019 3:15	27.92	79.4	5.99	8.0	SR13	8/21/2019 9:15	28.84	77.3	5.82	8.2	SR13	8/21/2019 15:15	28.47	76.0	5.73	7.1	SR13	8/21/2019 21:15	28.95	76.4	5.77	5.9
SR13	8/21/2019 3:20	28.04	79.9	6.04	8.1	SR13	8/21/2019 9:20	28.91	78.9	5.95	7.2	SR13	8/21/2019 15:20	28.47	77.4	5.83	5.9	SR13	8/21/2019 21:20	28.95	78.3	5.91	6.8
SR13	8/21/2019 3:25	28.21	83.0	6.27	7.2	SR13	8/21/2019 9:25	28.83	77.9	5.87	7.4	SR13						SR13	8/21/2019 21:25	28.95	76.7	5.79	6.5
SR13	8/21/2019 3:30	28.20	82.8	6.25	7.6	SR13	8/21/2019 9:30	28.93	77.2	5.82	6.9	SR13						SR13	8/21/2019 21:30	28.95	80.2	6.05	6.2
SR13	8/21/2019 3:35	28.27	82.6	6.24	8.5	SR13	8/21/2019 9:35	28.85	79.4	5.98	7.4	SR13						SR13	8/21/2019 21:35	28.96	75.3	5.69	5.4
SR13	8/21/2019 3:40	28.27	79.7	6.02	6.8	SR13	8/21/2019 9:40	28.98	76.9	5.80	6.9	SR13						SR13	8/21/2019 21:40	28.95	77.2	5.83	6.6
SR13	8/21/2019 3:45	28.30	78.3	5.91	8.1	SR13	8/21/2019 9:45	28.81	78.3	5.90	7.5	SR13	8/21/2019 15:45	28.42	78.9	5.94	7.1	SR13	8/21/2019 21:45	28.96	77.4	5.84	7.0
SR13	8/21/2019 3:50	28.25	79.3	5.98	7.4	SR13	8/21/2019 9:50	28.95	79.7	6.01	7.7	SR13	8/21/2019 15:50	28.44	77.6	5.85	6.6	SR13	8/21/2019 21:50	28.99	77.8	5.87	5.6
SR13	8/21/2019 3:55	28.24	75.9																				

24-hr Water Quality Monitoring

Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/21/2019 0:17	0.22				SR12	8/21/2019 0:17	0.26			
SR4	8/21/2019 0:37	0.22				SR12	8/21/2019 0:37	0.27			
SR4	8/21/2019 0:57	0.22				SR12	8/21/2019 0:57	0.27			
SR4	8/21/2019 1:17	0.23				SR12	8/21/2019 1:17	0.28			
SR4	8/21/2019 1:37	0.22				SR12	8/21/2019 1:37	0.28			
SR4	8/21/2019 1:57	0.22				SR12	8/21/2019 1:57	0.27			
SR4	8/21/2019 2:17	0.23				SR12	8/21/2019 2:17	0.28			
SR4	8/21/2019 2:37	0.23				SR12	8/21/2019 2:37	0.26			
SR4	8/21/2019 2:57	0.22				SR12	8/21/2019 2:57	0.27			
SR4	8/21/2019 3:17	0.22				SR12	8/21/2019 3:17	0.26			
SR4	8/21/2019 3:37	0.23				SR12	8/21/2019 3:37	0.27			
SR4	8/21/2019 3:57	0.23				SR12	8/21/2019 3:57	0.26			
SR4	8/21/2019 4:17	0.22				SR12	8/21/2019 4:17	0.27			
SR4	8/21/2019 4:37	0.22				SR12	8/21/2019 4:37	0.26			
SR4	8/21/2019 4:57	0.24				SR12	8/21/2019 4:57	0.28			
SR4	8/21/2019 5:17	0.22				SR12	8/21/2019 5:17	0.28			
SR4	8/21/2019 5:37	0.23				SR12	8/21/2019 5:37	0.26			
SR4	8/21/2019 5:57	0.24				SR12	8/21/2019 5:57	0.28			
SR4						SR12					
SR4	8/21/2019 6:37	0.24				SR12	8/21/2019 6:37	0.26			
SR4	8/21/2019 6:57	0.23				SR12	8/21/2019 6:57	0.27			
SR4	8/21/2019 7:17	0.25				SR12	8/21/2019 7:17	0.28			
SR4	8/21/2019 7:37	0.23				SR12	8/21/2019 7:37	0.28			
SR4	8/21/2019 7:57	0.24				SR12	8/21/2019 7:57	0.26			
SR4	8/21/2019 8:17	0.23				SR12	8/21/2019 8:17	0.28			
SR4	8/21/2019 8:37	0.25				SR12	8/21/2019 8:37	0.28			
SR4	8/21/2019 8:57	0.25				SR12	8/21/2019 8:57	0.26			
SR4	8/21/2019 9:17	0.23				SR12	8/21/2019 9:17	0.27			
SR4	8/21/2019 9:37	0.25				SR12	8/21/2019 9:37	0.28			
SR4	8/21/2019 9:57	0.25				SR12	8/21/2019 9:57	0.28			
SR4	8/21/2019 10:17	0.25				SR12					
SR4	8/21/2019 10:37	0.24				SR12					
SR4	8/21/2019 10:57	0.25				SR12					
SR4	8/21/2019 11:17	0.24				SR12					
SR4	8/21/2019 11:37	0.24				SR12	8/21/2019 11:37	0.25			
SR4	8/21/2019 11:57	0.24				SR12	8/21/2019 11:57	0.25			
SR4						SR12	8/21/2019 12:17	0.25			
SR4						SR12	8/21/2019 12:37	0.26			
SR4						SR12	8/21/2019 12:57	0.25			
SR4						SR12	8/21/2019 13:17	0.26			
SR4						SR12	8/21/2019 13:37	0.26			
SR4	8/21/2019 13:57	0.24				SR12	8/21/2019 13:57	0.27			
SR4	8/21/2019 14:17	0.25				SR12	8/21/2019 14:17	0.27			
SR4	8/21/2019 14:37	0.23				SR12	8/21/2019 14:37	0.25			
SR4	8/21/2019 14:57	0.23				SR12	8/21/2019 14:57	0.26			
SR4	8/21/2019 15:17	0.25				SR12	8/21/2019 15:17	0.27			
SR4	8/21/2019 15:37	0.25				SR12	8/21/2019 15:37	0.25			
SR4	8/21/2019 15:57	0.26				SR12	8/21/2019 15:57	0.26			
SR4	8/21/2019 16:17	0.26				SR12	8/21/2019 16:17	0.27			
SR4	8/21/2019 16:37	0.25				SR12	8/21/2019 16:37	0.25			
SR4	8/21/2019 16:57	0.25				SR12	8/21/2019 16:57	0.26			
SR4	8/21/2019 17:17	0.27				SR12	8/21/2019 17:17	0.25			
SR4	8/21/2019 17:37	0.25				SR12	8/21/2019 17:37	0.27			
SR4	8/21/2019 17:57	0.25				SR12	8/21/2019 17:57	0.27			
SR4	8/21/2019 18:17	0.25				SR12	8/21/2019 18:17	0.25			
SR4	8/21/2019 18:37	0.27				SR12	8/21/2019 18:37	0.25			
SR4	8/21/2019 18:57	0.27				SR12	8/21/2019 18:57	0.26			
SR4	8/21/2019 19:17	0.27				SR12	8/21/2019 19:17	0.26			
SR4	8/21/2019 19:37	0.27				SR12	8/21/2019 19:37	0.26			
SR4	8/21/2019 19:57	0.26				SR12	8/21/2019 19:57	0.26			
SR4	8/21/2019 20:17	0.26				SR12	8/21/2019 20:17	0.27			
SR4	8/21/2019 20:37	0.27				SR12	8/21/2019 20:37	0.25			
SR4	8/21/2019 20:57	0.25				SR12	8/21/2019 20:57	0.27			
SR4	8/21/2019 21:17	0.25				SR12	8/21/2019 21:17	0.27			
SR4	8/21/2019 21:37	0.26				SR12	8/21/2019 21:37	0.25			
SR4	8/21/2019 21:57	0.26				SR12	8/21/2019 21:57	0.27			
SR4	8/21/2019 22:17	0.26				SR12	8/21/2019 22:17	0.25			
SR4	8/21/2019 22:37	0.27				SR12	8/21/2019 22:37	0.27			
SR4	8/21/2019 22:57	0.26				SR12	8/21/2019 22:57	0.27			
SR4	8/21/2019 23:17	0.25				SR12	8/21/2019 23:17	0.27			
SR4	8/21/2019 23:37	0.26				SR12	8/21/2019 23:37	0.26			
SR4	8/21/2019 23:57	0.26				SR12	8/21/2019 23:57	0.25			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH₃-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR4 monitoring station was under maintenance during 12:16-13:26.
 SR12 monitoring station was under maintenance during 10:11-11:16.
 SR13 monitoring station was under maintenance during 15:20-15:45.

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR4	8/22/2019 0:01	28.48	77.3	5.81	7.9	SR4	8/22/2019 6:01	28.22	70.5	5.30	7.6	SR4	8/22/2019 12:01	28.18	68.2	5.13	6.8	SR4	8/22/2019 18:01	29.21	78.9	5.93	7.4
SR4	8/22/2019 0:06	28.47	76.4	5.74	8.1	SR4	8/22/2019 6:06	28.21	68.4	5.14	8.4	SR4	8/22/2019 12:06	28.17	67.3	5.06	6.0	SR4	8/22/2019 18:06	29.25	80.0	6.01	8.4
SR4	8/22/2019 0:11	28.48	76.6	5.91	8.1	SR4	8/22/2019 6:11	28.21	70.4	5.29	8.0	SR4	8/22/2019 12:11	28.18	67.7	5.09	6.2	SR4	8/22/2019 18:11	29.20	79.1	5.94	8.0
SR4	8/22/2019 0:16	28.47	79.2	5.96	8.2	SR4	8/22/2019 6:16	28.20	71.0	5.34	8.0	SR4	8/22/2019 12:16	28.20	68.6	5.16	7.1	SR4	8/22/2019 18:16	29.16	80.1	6.02	7.9
SR4	8/22/2019 0:21	28.48	79.9	6.01	7.5	SR4	8/22/2019 6:21	28.21	69.6	5.23	8.5	SR4	8/22/2019 12:21	28.23	70.8	5.33	6.0	SR4	8/22/2019 18:21	29.17	77.8	5.84	7.3
SR4	8/22/2019 0:26	28.47	76.2	5.73	7.8	SR4	8/22/2019 6:26	28.12	66.5	5.00	7.9	SR4	8/22/2019 12:26	28.24	69.1	5.20	7.2	SR4	8/22/2019 18:26	29.18	76.2	5.72	8.5
SR4	8/22/2019 0:31	28.48	78.1	5.88	7.9	SR4	8/22/2019 6:31	28.10	66.3	4.98	8.3	SR4	8/22/2019 12:31	28.23	69.3	5.22	7.1	SR4	8/22/2019 18:31	29.21	81.0	6.08	7.8
SR4	8/22/2019 0:36	28.49	77.7	5.85	8.4	SR4	8/22/2019 6:36	28.07	66.3	4.99	7.9	SR4	8/22/2019 12:36	28.24	68.0	5.12	7.6	SR4	8/22/2019 18:36	29.19	78.6	5.90	8.2
SR4	8/22/2019 0:41	28.47	79.0	5.94	7.5	SR4	8/22/2019 6:41	28.09	64.9	4.88	9.3	SR4	8/22/2019 12:41	28.31	68.9	5.18	5.1	SR4	8/22/2019 18:41	29.18	80.4	6.04	7.6
SR4	8/22/2019 0:46	28.47	74.4	5.60	8.3	SR4	8/22/2019 6:46	28.07	64.6	4.86	7.3	SR4	8/22/2019 12:46	28.27	66.9	5.03	5.8	SR4	8/22/2019 18:46	29.12	78.8	5.92	7.3
SR4	8/22/2019 0:51	28.47	75.6	5.69	7.5	SR4	8/22/2019 6:51	28.07	66.5	5.00	7.9	SR4	8/22/2019 12:51	28.28	66.9	5.03	6.4	SR4	8/22/2019 18:51	29.12	78.3	5.88	7.1
SR4	8/22/2019 0:56	28.34	73.4	5.51	7.6	SR4	8/22/2019 6:56	28.11	67.2	5.05	8.0	SR4	8/22/2019 12:56	28.36	69.4	5.22	4.0	SR4	8/22/2019 18:56	29.13	81.5	6.12	6.5
SR4	8/22/2019 1:01	28.34	72.2	5.42	8.3	SR4	8/22/2019 7:01	28.06	66.1	4.97	8.1	SR4	8/22/2019 13:01	28.45	68.7	5.17	5.4	SR4	8/22/2019 19:01	29.15	79.4	5.97	7.9
SR4	8/22/2019 1:06	28.30	71.5	5.37	8.6	SR4	8/22/2019 7:06	28.01	64.3	4.84	8.1	SR4	8/22/2019 13:06	28.51	68.7	5.17	5.4	SR4	8/22/2019 19:06	29.15	80.5	6.05	7.4
SR4	8/22/2019 1:11	28.24	68.9	5.18	8.6	SR4	8/22/2019 7:11	28.10	69.3	5.21	8.6	SR4	8/22/2019 13:11	28.55	73.1	5.50	5.7	SR4	8/22/2019 19:11	29.14	81.4	6.12	8.2
SR4	8/22/2019 1:16	28.28	72.2	5.43	8.0	SR4	8/22/2019 7:16	28.11	68.3	5.14	8.0	SR4	8/22/2019 13:16	28.53	70.8	5.33	6.2	SR4	8/22/2019 19:16	29.15	81.7	6.14	7.5
SR4	8/22/2019 1:21	28.30	73.4	5.51	7.9	SR4	8/22/2019 7:21	28.10	67.7	5.09	7.4	SR4	8/22/2019 13:21	28.62	73.1	5.50	7.6	SR4	8/22/2019 19:21	29.14	78.3	5.88	6.9
SR4	8/22/2019 1:26	28.28	71.0	5.33	8.1	SR4	8/22/2019 7:26	28.10	65.9	4.96	7.9	SR4	8/22/2019 13:26	28.53	71.3	5.37	5.5	SR4	8/22/2019 19:26	29.20	81.5	6.12	7.0
SR4	8/22/2019 1:31	28.12	66.8	5.02	8.0	SR4	8/22/2019 7:31	28.10	66.7	5.02	7.4	SR4	8/22/2019 13:31	28.48	69.7	5.24	6.8	SR4	8/22/2019 19:31	29.15	79.8	5.99	7.6
SR4	8/22/2019 1:36	28.12	69.0	5.19	7.8	SR4	8/22/2019 7:36	28.06	64.7	4.86	8.3	SR4	8/22/2019 13:36	28.44	69.1	5.20	7.2	SR4	8/22/2019 19:36	29.21	81.8	6.14	7.9
SR4	8/22/2019 1:41	28.16	65.6	4.93	7.1	SR4	8/22/2019 7:41	28.12	67.3	5.06	7.7	SR4	8/22/2019 13:41	28.47	68.4	5.14	7.1	SR4	8/22/2019 19:41	29.18	83.3	6.26	7.1
SR4	8/22/2019 1:46	28.17	69.7	5.24	8.4	SR4	8/22/2019 7:46	28.11	67.8	5.10	8.1	SR4	8/22/2019 13:46	28.46	67.6	5.08	7.1	SR4	8/22/2019 19:46	29.11	81.0	6.09	6.4
SR4	8/22/2019 1:51	28.17	68.0	5.11	8.3	SR4	8/22/2019 7:51	28.08	69.1	5.20	7.8	SR4	8/22/2019 13:51	28.45	64.5	4.85	6.9	SR4	8/22/2019 19:51	29.13	84.3	6.34	6.3
SR4	8/22/2019 1:56	28.10	68.0	5.12	7.6	SR4	8/22/2019 7:56	28.05	66.4	4.99	7.9	SR4	8/22/2019 13:56	28.44	66.7	5.02	5.3	SR4	8/22/2019 19:56	29.07	78.3	5.88	7.4
SR4	8/22/2019 2:01	28.14	66.1	4.97	7.7	SR4	8/22/2019 8:01	28.09	67.7	5.09	7.4	SR4	8/22/2019 14:01	28.49	64.5	4.85	6.8	SR4	8/22/2019 20:01	29.07	80.3	6.03	6.2
SR4	8/22/2019 2:06	28.00	66.5	5.01	7.9	SR4	8/22/2019 8:06	28.11	66.7	5.01	7.7	SR4	8/22/2019 14:06	28.46	67.8	5.10	6.4	SR4	8/22/2019 20:06	29.04	80.4	6.04	7.6
SR4	8/22/2019 2:11	28.16	70.5	5.30	7.5	SR4	8/22/2019 8:11	28.10	65.1	4.90	7.3	SR4	8/22/2019 14:11	28.46	68.2	5.13	7.3	SR4	8/22/2019 20:11	29.04	80.3	6.03	6.3
SR4	8/22/2019 2:16	28.09	68.7	5.17	8.4	SR4	8/22/2019 8:16	28.18	67.0	5.04	6.8	SR4	8/22/2019 14:16	28.38	66.6	5.01	5.4	SR4	8/22/2019 20:16	29.07	84.1	6.32	7.0
SR4	8/22/2019 2:21	28.10	68.3	5.14	7.6	SR4	8/22/2019 8:21	28.21	66.7	5.02	6.7	SR4	8/22/2019 14:21	28.43	67.8	5.10	7.1	SR4	8/22/2019 20:21	29.00	80.6	6.06	6.8
SR4	8/22/2019 2:26	28.06	65.8	4.95	8.1	SR4	8/22/2019 8:26	28.20	64.7	4.87	6.5	SR4	8/22/2019 14:26	28.38	65.0	4.89	6.9	SR4	8/22/2019 20:26	28.95	76.3	5.73	7.7
SR4	8/22/2019 2:31	28.06	66.5	5.00	7.1	SR4	8/22/2019 8:31	28.17	64.9	4.88	7.1	SR4	8/22/2019 14:31	28.48	66.2	4.98	7.0	SR4	8/22/2019 20:31	28.91	77.6	5.83	6.9
SR4	8/22/2019 2:36	28.04	64.0	4.81	8.5	SR4	8/22/2019 8:36	28.16	62.2	4.67	7.0	SR4	8/22/2019 14:36	28.57	69.4	5.22	6.7	SR4	8/22/2019 20:36	28.96	80.2	6.03	7.1
SR4	8/22/2019 2:41	27.99	64.0	4.81	8.8	SR4	8/22/2019 8:41	28.12	63.4	4.77	6.2	SR4	8/22/2019 14:41	28.64	66.8	5.02	6.6	SR4	8/22/2019 20:41	28.96	79.5	5.97	6.5
SR4	8/22/2019 2:46	27.96	62.8	4.72	8.2	SR4	8/22/2019 8:46	28.11	64.4	4.84	5.3	SR4	8/22/2019 14:46	28.56	68.5	5.15	6.0	SR4	8/22/2019 20:46	28.89	76.5	5.75	7.7
SR4	8/22/2019 2:51	27.93	65.8	4.95	7.8	SR4	8/22/2019 8:51	28.08	61.3	4.61	5.7	SR4	8/22/2019 14:51	28.51	66.4	4.99	5.4	SR4	8/22/2019 20:51	28.83	77.2	5.80	6.8
SR4	8/22/2019 2:56	27.90	65.9	4.96	8.4	SR4	8/22/2019 8:56	28.12	63.5	4.78	5.5	SR4	8/22/2019 14:56	28.58	67.9	5.11	6.3	SR4	8/22/2019 20:56	28.85	74.8	5.62	7.0
SR4	8/22/2019 3:01	27.91	63.8	4.80	8.3	SR4	8/22/2019 9:01	28.03	59.1	4.44	6.5	SR4	8/22/2019 15:01	28.60	66.0	4.96	6.4	SR4	8/22/2019 21:01	28.63	73.4	5.52	7.8
SR4	8/22/2019 3:06	27.88	62.7	4.72	7.6	SR4	8/22/2019 9:06	28.13	61.9	4.65	5.7	SR4	8/22/2019 15:06	28.57	65.4	4.92	7.6	SR4	8/22/2019 21:06	28.62	73.6	5.53	6.8
SR4	8/22/2019 3:11	27.86	63.8	4.80	7.5	SR4	8/22/2019 9:11	28.12	60.9	4.58	5.5	SR4	8/22/2019 15:11	28.55	68.1	5.12	5.5	SR4	8/22/2019 21:11	28.74	73.4	5.52	7.3
SR4	8/22/2019 3:16	27.83	65.5	4.93	7.5	SR4	8/22/2019 9:16	28.09	62.2	4.68	7.9	SR4	8/22/2019 15:16	28.59	67.1	5.05	6.3	SR4	8/22/2019 21:16	28.80	77.2	5.80	6.9
SR4	8/22/2019 3:21	27.90	66.4	5.00	8.4	SR4	8/22/2019 9:21	28.06	66.0	4.97	5.8	SR4	8/22/2019 15:21	28.64	65.6	4.93	6.2	SR4	8/22/2019 21:21	28.77	78.5	5.90	7.5
SR4	8/22/2019 3:26	27.86	66.4	5.00	7.0	SR4	8/22/2019 9:26	28.03	66.1	4.97	4.8	SR4	8/22/2019 15:26	28.64	63.6	4.78	7.1	SR4	8/22/2019 21:26	28.71	76.5	5.75	8.2
SR4	8/22/2019 3:31	27.89	63.2	4.76	7.5	SR4	8/22/2019 9:31	28.04	67.6	5.08	6.9	SR4	8/22/2019 15:31	28.72	65.6	4.93	7.3	SR4	8/22/2019 21:31	28.73	79.0	5.94	7.6
SR4	8/22/2019 3:36	27.92	63.1	4.75	7.8	SR4	8/22/2019 9:36	28.06	65.0	4.89	7.2	SR4	8/22/2019 15:36	28.66	67.0	5.04	7.4	SR4	8/22/2019 21:36	28.72	74.0	5.56	7.3
SR4	8/22/2019 3:41	27.81	64.7	4.87	8.0	SR4	8/22/2019 9:41	28.09	70.3	5.29	6.7	SR4	8/22/2019 15:41	28.65	69.2	5.21	7.5	SR4	8/22/2019 21:41	28.77	77.6	5.83	6.4
SR4	8/22/2019 3:46	27.83	65.1	4.90	8.2	SR4	8/22/2019 9:46	28.04	65.0	4.89	6.4	SR4	8/22/2019 15:46	28.68	64.5	4.85	7.4	SR4	8/22/2019 21:46	28.72	75.4	5.66	6.5
SR4	8/22/2019 3:51	27.78	63.4	4.77	8.5	SR4	8/22/2019 9:51	27.95	66.0	4.97	6.9	SR4	8/22/2019 15:51	28.78	66.9	5.03	7.4	SR4	8/22/2019 21:51	28.82	78.9	5.93	7.7
SR4	8/22/2019 3:56	27.87	63.6	4.78	7.6	SR4	8/22/2019 9:56	28															

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR5	8/22/2019 0:00	27.12	79.3	5.96	6.9	SR5	8/22/2019 6:00	27.93	72.8	5.45	6.1	SR5	8/22/2019 12:00	27.16	75.5	5.66	5.0	SR5	8/22/2019 18:00	29.71	77.3	5.79	6.6
SR5	8/22/2019 0:05	27.12	79.3	5.96	5.6	SR5	8/22/2019 6:05	28.00	75.6	5.66	6.3	SR5	8/22/2019 12:05	27.08	74.0	5.54	5.7	SR5	8/22/2019 18:05	29.73	78.5	5.88	6.2
SR5	8/22/2019 0:10	27.11	78.0	5.86	6.8	SR5	8/22/2019 6:10	28.00	71.0	5.31	5.9	SR5	8/22/2019 12:10	27.09	72.3	5.42	5.8	SR5	8/22/2019 18:10	29.73	73.0	5.47	5.7
SR5	8/22/2019 0:15	27.09	76.7	5.76	5.6	SR5	8/22/2019 6:15	28.00	72.6	5.44	6.0	SR5	8/22/2019 12:15	27.11	75.1	5.63	5.7	SR5	8/22/2019 18:15	29.72	76.7	5.74	6.4
SR5	8/22/2019 0:20	27.08	79.5	5.98	5.1	SR5	8/22/2019 6:20	27.97	75.1	5.62	5.4	SR5	8/22/2019 12:20	27.12	74.1	5.55	6.4	SR5	8/22/2019 18:20	29.71	74.4	5.57	5.9
SR5	8/22/2019 0:25	27.05	81.3	6.11	4.8	SR5	8/22/2019 6:25	27.97	75.5	5.66	5.6	SR5	8/22/2019 12:25	27.12	76.8	5.75	6.1	SR5	8/22/2019 18:25	29.71	75.7	5.67	6.8
SR5	8/22/2019 0:30	27.07	78.1	5.87	4.6	SR5	8/22/2019 6:30	28.04	74.1	5.54	4.5	SR5	8/22/2019 12:30	27.15	73.1	5.50	6.7	SR5	8/22/2019 18:30	29.68	77.7	5.82	6.5
SR5	8/22/2019 0:35	27.03	80.5	6.05	6.6	SR5	8/22/2019 6:35	28.03	76.6	5.73	6.2	SR5	8/22/2019 12:35	27.14	77.8	5.83	5.8	SR5	8/22/2019 18:35	29.67	73.6	5.54	6.0
SR5	8/22/2019 0:40	27.06	79.0	5.94	6.9	SR5	8/22/2019 6:40	28.04	76.4	5.73	4.6	SR5						SR5	8/22/2019 18:40	29.73	77.3	5.82	6.4
SR5	8/22/2019 0:45	27.02	77.5	5.82	6.6	SR5	8/22/2019 6:45	28.20	75.2	5.66	5.6	SR5						SR5	8/22/2019 18:45	29.76	77.4	5.82	6.5
SR5	8/22/2019 0:50	26.97	80.9	6.08	6.6	SR5	8/22/2019 6:50	28.16	72.9	5.48	5.4	SR5						SR5	8/22/2019 18:50	29.75	76.6	5.76	5.4
SR5	8/22/2019 0:55	26.97	79.3	5.96	6.5	SR5	8/22/2019 6:55	28.23	74.0	5.57	4.7	SR5						SR5	8/22/2019 18:55	29.75	81.0	6.09	5.6
SR5	8/22/2019 1:00	26.98	77.7	5.84	6.4	SR5	8/22/2019 7:00	28.24	71.5	5.38	5.9	SR5	8/22/2019 13:00	27.21	75.9	5.69	6.5	SR5	8/22/2019 19:00	29.75	80.1	6.02	5.1
SR5	8/22/2019 1:05	27.00	77.0	5.79	6.1	SR5	8/22/2019 7:05	28.30	74.1	5.55	6.2	SR5	8/22/2019 13:05	27.22	71.3	5.34	6.2	SR5	8/22/2019 19:05	29.63	77.7	5.84	5.1
SR5	8/22/2019 1:10	27.03	77.6	5.83	6.4	SR5	8/22/2019 7:10	28.35	74.2	5.58	4.2	SR5	8/22/2019 13:10	27.20	71.7	5.37	6.7	SR5	8/22/2019 19:10	29.59	75.9	5.71	4.9
SR5	8/22/2019 1:15	27.37	81.1	6.10	5.7	SR5	8/22/2019 7:15	28.31	74.4	5.60	6.5	SR5	8/22/2019 13:15	27.22	72.8	5.45	6.0	SR5	8/22/2019 19:15	29.62	78.9	5.93	5.6
SR5	8/22/2019 1:20	27.61	81.2	6.11	6.9	SR5	8/22/2019 7:20	28.33	79.9	6.01	6.5	SR5	8/22/2019 13:20	27.17	70.9	5.34	6.1	SR5	8/22/2019 19:20	29.58	78.6	5.91	5.4
SR5	8/22/2019 1:25	27.64	76.6	5.76	7.5	SR5	8/22/2019 7:25	28.37	78.0	5.87	5.5	SR5	8/22/2019 13:25	28.03	74.6	5.62	6.2	SR5	8/22/2019 19:25	29.56	79.0	5.94	5.9
SR5	8/22/2019 1:30	27.63	79.4	5.97	5.7	SR5	8/22/2019 7:30	28.33	76.3	5.74	6.4	SR5	8/22/2019 13:30	27.93	77.0	5.77	7.0	SR5	8/22/2019 19:30	29.59	75.3	5.66	5.5
SR5	8/22/2019 1:35	27.67	78.4	5.89	10.4	SR5	8/22/2019 7:35	28.36	75.3	5.67	5.4	SR5	8/22/2019 13:35	28.05	73.2	5.48	5.8	SR5	8/22/2019 19:35	29.57	82.7	6.22	5.5
SR5	8/22/2019 1:40	27.73	78.1	5.87	5.6	SR5	8/22/2019 7:40	28.36	73.4	5.52	6.2	SR5	8/22/2019 13:40	28.10	73.1	5.48	5.7	SR5	8/22/2019 19:40	29.45	83.4	6.27	5.3
SR5	8/22/2019 1:45	27.73	79.2	5.96	6.7	SR5	8/22/2019 7:45	28.36	73.4	5.52	5.7	SR5	8/22/2019 13:45	28.28	72.9	5.46	5.6	SR5	8/22/2019 19:45	29.52	81.9	6.15	5.7
SR5	8/22/2019 1:50	27.75	78.0	5.86	5.0	SR5	8/22/2019 7:50	28.44	74.7	5.62	4.9	SR5	8/22/2019 13:50	28.08	74.4	5.57	6.0	SR5	8/22/2019 19:50	29.69	81.4	6.12	5.4
SR5	8/22/2019 1:55	27.73	79.0	5.94	6.6	SR5	8/22/2019 7:55	28.48	73.8	5.56	7.0	SR5	8/22/2019 13:55	28.39	77.4	5.80	6.0	SR5	8/22/2019 19:55	29.57	84.2	6.33	6.1
SR5	8/22/2019 2:00	27.74	79.7	5.99	6.5	SR5	8/22/2019 8:00	28.42	74.4	5.60	6.3	SR5	8/22/2019 14:00	28.18	74.8	5.63	6.4	SR5	8/22/2019 20:00	29.43	85.6	6.44	6.6
SR5	8/22/2019 2:05	27.72	75.2	5.66	6.8	SR5	8/22/2019 8:05	28.43	76.5	5.76	6.2	SR5	8/22/2019 14:05	28.44	73.4	5.49	6.2	SR5	8/22/2019 20:05	29.44	79.8	6.00	5.4
SR5	8/22/2019 2:10	27.80	77.3	5.81	4.5	SR5	8/22/2019 8:10	28.44	73.1	5.50	6.2	SR5	8/22/2019 14:10	28.23	73.0	5.49	6.0	SR5	8/22/2019 20:10	29.44	81.6	6.13	5.8
SR5	8/22/2019 2:15	27.72	74.4	5.60	4.9	SR5	8/22/2019 8:15	28.42	75.6	5.69	6.8	SR5	8/22/2019 14:15	28.18	75.6	5.69	6.6	SR5	8/22/2019 20:15	29.40	79.3	5.96	6.9
SR5	8/22/2019 2:20	27.71	77.7	5.85	5.9	SR5	8/22/2019 8:20	28.41	73.7	5.54	5.6	SR5	8/22/2019 14:20	28.20	76.9	5.76	6.1	SR5	8/22/2019 20:20	29.39	85.6	6.43	6.5
SR5	8/22/2019 2:25	27.69	73.8	5.55	5.6	SR5	8/22/2019 8:25	28.41	77.4	5.80	6.4	SR5	8/22/2019 14:25	28.27	71.6	5.39	6.9	SR5	8/22/2019 20:25	29.39	81.9	6.16	6.3
SR5	8/22/2019 2:30	27.69	74.6	5.61	6.3	SR5	8/22/2019 8:30	28.49	76.9	5.76	6.4	SR5	8/22/2019 14:30	28.33	73.9	5.56	5.5	SR5	8/22/2019 20:30	29.46	83.1	6.24	5.6
SR5	8/22/2019 2:35	27.70	75.2	5.66	6.3	SR5	8/22/2019 8:35	28.50	75.3	5.64	5.6	SR5	8/22/2019 14:35	28.21	76.2	5.71	5.6	SR5	8/22/2019 20:35	29.45	83.7	6.29	5.5
SR5	8/22/2019 2:40	27.65	76.2	5.73	6.4	SR5	8/22/2019 8:40	28.49	76.8	5.76	4.2	SR5	8/22/2019 14:40	28.12	72.8	5.45	5.2	SR5	8/22/2019 20:40	29.38	80.4	6.05	5.2
SR5	8/22/2019 2:45	27.65	79.3	5.96	4.7	SR5	8/22/2019 8:45	28.50	73.4	5.52	5.1	SR5	8/22/2019 14:45	28.45	72.7	5.44	3.8	SR5	8/22/2019 20:45	29.36	83.1	6.24	5.4
SR5	8/22/2019 2:50	27.65	78.0	5.87	6.6	SR5	8/22/2019 8:50	28.53	78.0	5.84	5.1	SR5	8/22/2019 14:50	28.45	71.1	5.35	6.0	SR5	8/22/2019 20:50	29.40	82.7	6.21	6.1
SR5	8/22/2019 2:55	27.66	75.1	5.65	5.5	SR5	8/22/2019 8:55	28.46	78.3	5.87	4.6	SR5	8/22/2019 14:55	28.55	73.7	5.55	5.4	SR5	8/22/2019 20:55	29.43	82.9	6.23	5.7
SR5	8/22/2019 3:00	27.61	72.9	5.48	4.9	SR5	8/22/2019 9:00	28.44	73.0	5.49	4.9	SR5	8/22/2019 15:00	28.42	71.8	5.40	5.5	SR5	8/22/2019 21:00	29.38	81.8	6.15	5.8
SR5	8/22/2019 3:05	27.61	74.1	5.57	5.1	SR5	8/22/2019 9:05	28.43	72.7	5.47	4.6	SR5	8/22/2019 15:05	28.43	74.0	5.57	6.2	SR5	8/22/2019 21:05	29.47	83.3	6.26	5.5
SR5	8/22/2019 3:10	27.67	75.9	5.70	6.1	SR5	8/22/2019 9:10	28.49	74.7	5.59	4.1	SR5	8/22/2019 15:10	28.41	75.6	5.69	6.0	SR5	8/22/2019 21:10	29.44	81.8	6.15	5.3
SR5	8/22/2019 3:15	27.67	78.4	5.89	5.1	SR5	8/22/2019 9:15	28.44	76.9	5.76	6.2	SR5	8/22/2019 15:15	28.49	73.5	5.53	4.4	SR5	8/22/2019 21:15	29.43	83.3	6.26	5.1
SR5	8/22/2019 3:20	27.66	75.4	5.65	5.2	SR5	8/22/2019 9:20	28.41	77.1	5.78	5.7	SR5	8/22/2019 15:20	28.57	74.2	5.55	6.1	SR5	8/22/2019 21:20	29.50	83.7	6.29	5.7
SR5	8/22/2019 3:25	27.65	76.3	5.72	5.0	SR5	8/22/2019 9:25	28.43	78.1	5.85	5.1	SR5	8/22/2019 15:25	28.63	75.9	5.69	6.8	SR5	8/22/2019 21:25	29.52	85.2	6.40	6.9
SR5	8/22/2019 3:30	27.59	75.4	5.65	5.3	SR5	8/22/2019 9:30	28.50	73.2	5.51	5.7	SR5	8/22/2019 15:30	28.79	73.6	5.51	6.2	SR5	8/22/2019 21:30	29.55	82.6	6.21	6.2
SR5	8/22/2019 3:35	27.50	75.8	5.68	6.9	SR5	8/22/2019 9:35	28.36	74.1	5.55	5.4	SR5	8/22/2019 15:35	28.95	72.4	5.42	6.0	SR5	8/22/2019 21:35	29.49	81.4	6.12	5.7
SR5	8/22/2019 3:40	27.37	77.3	5.79	6.1	SR5	8/22/2019 9:40	28.38	78.7	5.89	4.6	SR5	8/22/2019 15:40	29.04	72.5	5.43	6.5	SR5	8/22/2019 21:40	29.52	84.7	6.37	5.5
SR5	8/22/2019 3:45	27.39	75.4	5.65	5.6	SR5	8/22/2019 9:45	28.50	73.3	5.49	4.6	SR5	8/22/2019 15:45	29.08	73.7	5.52	5.8	SR5	8/22/2019 21:45	29.62	81.5	6.12	5.8
SR5	8/22/2019 3:50	27.46	76.2	5.71	6.0	SR5	8/22/2019 9:50	28.47	75.4	5.65	5.4	SR5	8/22/2019 15:50	29.02	70.9	5.31	5.6	SR5	8/22/2019 21:50	29.47	84.9	6.38	5.1
SR5	8/22/2019 3:55	27.50	75.7	5.67	6.2	SR5	8/22/2019 9:55	28.43	75.6	5.66	4.9	SR5	8/22/2019 15:55	28.92	72.1	5.40	6.3	SR5	8/22/2019 21:55	29.45	81.9		

24-hr Water Quality Monitoring

Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR12	8/22/2019 0:01	26.88	61.5	4.59	8.0	SR12	8/22/2019 6:01	27.01	63.9	4.77	7.0	SR12	8/22/2019 12:01	26.97	64.3	4.80	6.0	SR12	8/22/2019 18:01	27.48	89.9	6.71	6.5
SR12	8/22/2019 0:06	26.80	61.0	4.55	6.5	SR12	8/22/2019 6:06	26.97	61.0	4.55	5.1	SR12	8/22/2019 12:06	26.97	63.9	4.77	6.7	SR12	8/22/2019 18:06	27.36	85.1	6.35	7.5
SR12	8/22/2019 0:11	26.85	61.5	4.59	7.9	SR12	8/22/2019 6:11	26.98	63.0	4.70	6.2	SR12	8/22/2019 12:11	27.16	64.3	4.80	6.6	SR12	8/22/2019 18:11	27.35	87.1	6.50	8.5
SR12	8/22/2019 0:16	26.92	61.4	4.58	8.2	SR12	8/22/2019 6:16	26.97	63.9	4.77	6.1	SR12	8/22/2019 12:16	27.02	64.7	4.83	6.7	SR12	8/22/2019 18:16	27.29	82.0	6.12	6.8
SR12	8/22/2019 0:21	26.73	56.5	4.22	7.4	SR12	8/22/2019 6:21	27.06	67.5	5.04	5.4	SR12	8/22/2019 12:21	26.97	69.0	5.15	7.6	SR12	8/22/2019 18:21	27.41	86.0	6.42	6.6
SR12	8/22/2019 0:26	26.77	59.1	4.41	7.4	SR12	8/22/2019 6:26	26.98	64.7	4.83	5.7	SR12	8/22/2019 12:26	27.00	66.3	4.95	7.4	SR12	8/22/2019 18:26	27.34	81.1	6.05	5.9
SR12	8/22/2019 0:31	26.68	58.2	4.34	8.9	SR12	8/22/2019 6:31	26.81	59.8	4.46	6.0	SR12	8/22/2019 12:31	27.18	68.6	5.12	7.3	SR12	8/22/2019 18:31	27.52	87.2	6.51	7.6
SR12	8/22/2019 0:36	26.86	57.4	4.28	8.0	SR12	8/22/2019 6:36	26.93	64.7	4.83	1.6	SR12	8/22/2019 12:36	27.01	67.8	5.06	7.2	SR12	8/22/2019 18:36	27.63	91.9	6.86	6.7
SR12	8/22/2019 0:41	26.77	54.7	4.08	7.9	SR12	8/22/2019 6:41	26.98	65.4	4.88	5.9	SR12	8/22/2019 12:41	27.14	67.5	5.04	6.6	SR12	8/22/2019 18:41	27.61	89.5	6.68	8.8
SR12	8/22/2019 0:46	26.74	55.3	4.13	6.7	SR12	8/22/2019 6:46	26.98	66.3	4.95	6.1	SR12	8/22/2019 12:46	26.93	65.0	4.85	7.8	SR12	8/22/2019 18:46	27.57	93.5	6.98	7.4
SR12	8/22/2019 0:51	26.78	51.1	3.81	9.0	SR12	8/22/2019 6:51	26.98	66.3	4.95	3.9	SR12	8/22/2019 12:51	27.00	64.3	4.80	6.9	SR12	8/22/2019 18:51	27.59	93.5	6.98	8.0
SR12	8/22/2019 0:56	26.82	55.3	4.13	7.2	SR12	8/22/2019 6:56	27.00	67.1	5.01	6.0	SR12	8/22/2019 12:56	26.97	62.7	4.68	5.9	SR12	8/22/2019 18:56	27.58	89.9	6.71	8.1
SR12	8/22/2019 1:01	26.93	59.4	4.43	8.2	SR12	8/22/2019 7:01	26.96	63.1	4.71	5.7	SR12	8/22/2019 13:01	26.91	61.9	4.62	6.2	SR12	8/22/2019 19:01	27.56	87.1	6.50	7.3
SR12	8/22/2019 1:06	26.91	56.1	4.19	6.9	SR12	8/22/2019 7:06	27.05	67.9	5.07	6.3	SR12	8/22/2019 13:06	26.99	61.4	4.58	7.2	SR12	8/22/2019 19:06	27.55	85.6	6.39	7.7
SR12	8/22/2019 1:11	26.96	62.2	4.64	6.9	SR12	8/22/2019 7:11	27.02	65.4	4.88	6.5	SR12	8/22/2019 13:11	27.02	60.6	4.52	6.3	SR12	8/22/2019 19:11	27.53	86.4	6.45	6.4
SR12	8/22/2019 1:16	26.83	58.3	4.35	7.8	SR12	8/22/2019 7:16	27.03	66.2	4.94	6.4	SR12	8/22/2019 13:16	27.02	66.6	4.97	7.7	SR12	8/22/2019 19:16	27.55	88.7	6.62	7.6
SR12	8/22/2019 1:21	26.80	59.4	4.43	6.8	SR12	8/22/2019 7:21	27.05	68.6	5.12	7.7	SR12	8/22/2019 13:21	26.99	67.5	5.04	7.2	SR12	8/22/2019 19:21	27.60	88.4	6.60	6.9
SR12	8/22/2019 1:26	27.08	67.1	5.01	8.3	SR12	8/22/2019 7:26	27.03	67.0	5.00	6.2	SR12	8/22/2019 13:26	27.05	69.5	5.19	6.4	SR12	8/22/2019 19:26	27.70	92.7	6.92	6.9
SR12	8/22/2019 1:31	27.09	65.9	4.92	6.8	SR12	8/22/2019 7:31	27.03	66.2	4.94	5.9	SR12	8/22/2019 13:31	27.16	74.2	5.54	6.9	SR12	8/22/2019 19:31	27.69	90.5	6.75	6.9
SR12	8/22/2019 1:36	27.31	69.5	5.19	9.3	SR12	8/22/2019 7:36	27.03	68.2	5.09	6.0	SR12	8/22/2019 13:36	27.26	78.8	5.88	7.7	SR12	8/22/2019 19:36	27.71	91.3	6.81	6.2
SR12	8/22/2019 1:41	27.43	71.6	5.34	7.2	SR12	8/22/2019 7:41	27.04	68.6	5.12	6.4	SR12	8/22/2019 13:41	27.30	79.5	5.93	5.9	SR12	8/22/2019 19:41	27.75	93.5	6.98	5.5
SR12	8/22/2019 1:46	27.51	72.2	5.39	7.4	SR12	8/22/2019 7:46	27.04	67.1	5.01	6.4	SR12	8/22/2019 13:46	27.39	81.5	6.08	6.4	SR12	8/22/2019 19:46	27.70	88.3	6.59	5.8
SR12	8/22/2019 1:51	27.48	70.6	5.27	8.6	SR12	8/22/2019 7:51	27.01	64.7	4.83	7.2	SR12	8/22/2019 13:51	27.65	81.2	6.06	5.9	SR12	8/22/2019 19:51	27.74	89.5	6.68	6.6
SR12	8/22/2019 1:56	27.45	67.9	5.07	8.0	SR12	8/22/2019 7:56	27.03	66.3	4.95	6.3	SR12	8/22/2019 13:56	27.76	80.3	5.99	5.1	SR12	8/22/2019 19:56	27.75	92.1	6.87	5.2
SR12	8/22/2019 2:01	27.48	73.8	5.51	6.8	SR12	8/22/2019 8:01	27.03	66.7	4.98	7.4	SR12	8/22/2019 14:01	27.50	77.9	5.81	5.2	SR12	8/22/2019 20:01	27.75	92.5	6.90	7.0
SR12	8/22/2019 2:06	27.49	74.0	5.52	8.9	SR12	8/22/2019 8:06	27.03	67.1	5.01	5.6	SR12	8/22/2019 14:06	27.83	82.3	6.14	6.2	SR12	8/22/2019 20:06	27.80	89.9	6.71	8.2
SR12	8/22/2019 2:11	27.51	75.2	5.61	8.4	SR12	8/22/2019 8:11	27.04	68.7	5.13	6.5	SR12	8/22/2019 14:11	27.77	82.3	6.14	6.6	SR12	8/22/2019 20:11	27.79	88.3	6.59	6.9
SR12	8/22/2019 2:16	27.51	74.6	5.57	8.9	SR12	8/22/2019 8:16	27.05	68.3	5.10	5.9	SR12	8/22/2019 14:16	27.66	78.4	5.85	7.2	SR12	8/22/2019 20:16	27.78	87.6	6.54	6.6
SR12	8/22/2019 2:21	27.48	71.2	5.31	8.4	SR12	8/22/2019 8:21	27.06	67.8	5.06	8.2	SR12	8/22/2019 14:21	27.65	77.5	5.78	6.3	SR12	8/22/2019 20:21	27.78	86.8	6.48	7.6
SR12	8/22/2019 2:26	27.51	72.6	5.42	8.5	SR12	8/22/2019 8:26	27.07	67.9	5.07	6.4	SR12	8/22/2019 14:26	27.77	85.6	6.39	6.8	SR12	8/22/2019 20:26	27.78	86.4	6.45	6.7
SR12	8/22/2019 2:31	27.48	71.0	5.30	9.6	SR12	8/22/2019 8:31	27.07	67.9	5.07	5.1	SR12	8/22/2019 14:31	27.80	86.8	6.48	6.6	SR12	8/22/2019 20:31	27.79	84.8	6.33	6.9
SR12	8/22/2019 2:36	27.51	72.4	5.40	7.8	SR12	8/22/2019 8:36	27.07	67.9	5.07	6.1	SR12	8/22/2019 14:36	27.75	86.7	6.47	6.0	SR12	8/22/2019 20:36	27.79	84.3	6.29	7.0
SR12	8/22/2019 2:41	27.52	71.8	5.36	7.3	SR12	8/22/2019 8:41	27.07	67.1	5.01	6.1	SR12	8/22/2019 14:41	27.82	88.8	6.63	6.0	SR12	8/22/2019 20:41	27.81	84.0	6.27	6.9
SR12	8/22/2019 2:46	27.51	71.6	5.34	9.6	SR12	8/22/2019 8:46	27.06	66.7	4.98	6.8	SR12	8/22/2019 14:46	27.87	91.5	6.83	7.8	SR12	8/22/2019 20:46	27.84	86.0	6.42	5.8
SR12	8/22/2019 2:51	27.52	71.8	5.36	7.1	SR12	8/22/2019 8:51	27.09	68.6	5.12	7.1	SR12	8/22/2019 14:51	27.84	90.7	6.77	7.8	SR12	8/22/2019 20:51	27.88	87.5	6.53	6.8
SR12	8/22/2019 2:56	27.52	72.2	5.39	7.0	SR12	8/22/2019 8:56	27.10	68.2	5.09	6.9	SR12	8/22/2019 14:56	27.71	84.8	6.33	6.8	SR12	8/22/2019 20:56	27.88	84.4	6.30	6.1
SR12	8/22/2019 3:01	27.52	70.4	5.25	8.4	SR12	8/22/2019 9:01	27.14	71.4	5.33	6.1	SR12	8/22/2019 15:01	27.76	86.3	6.44	7.1	SR12	8/22/2019 21:01	27.88	82.4	6.15	5.5
SR12	8/22/2019 3:06	27.52	69.1	5.16	8.0	SR12	8/22/2019 9:06	27.13	70.2	5.24	6.7	SR12	8/22/2019 15:06	27.74	85.1	6.35	9.1	SR12	8/22/2019 21:06	27.88	82.4	6.15	6.1
SR12	8/22/2019 3:11	27.51	66.6	5.12	8.3	SR12	8/22/2019 9:11	27.10	67.5	5.04	6.2	SR12	8/22/2019 15:11	27.80	91.9	6.86	8.3	SR12	8/22/2019 21:11	27.89	80.3	5.99	5.9
SR12	8/22/2019 3:16	27.44	66.2	4.94	7.8	SR12	8/22/2019 9:16	27.07	68.7	5.13	7.6	SR12	8/22/2019 15:16	27.78	89.1	6.65	7.9	SR12	8/22/2019 21:16	27.89	79.6	5.94	6.1
SR12	8/22/2019 3:21	27.46	64.7	4.83	9.2	SR12	8/22/2019 9:21	27.16	71.0	5.30	5.6	SR12	8/22/2019 15:21	27.76	91.5	6.83	6.8	SR12	8/22/2019 21:21	27.88	81.6	6.09	6.6
SR12	8/22/2019 3:26	27.41	64.3	4.80	7.3	SR12	8/22/2019 9:26	27.11	67.5	5.04	5.0	SR12	8/22/2019 15:26	27.62	89.2	6.66	6.4	SR12	8/22/2019 21:26	27.90	80.0	5.97	5.7
SR12	8/22/2019 3:31	27.41	64.7	4.83	6.8	SR12	8/22/2019 9:31	27.08	65.8	4.91	5.2	SR12	8/22/2019 15:31	27.64	86.0	6.42	6.1	SR12	8/22/2019 21:31	27.89	76.0	5.67	7.5
SR12	8/22/2019 3:36	27.51	69.4	5.18	7.0	SR12	8/22/2019 9:36	27.11	68.2	5.09	2.6	SR12	8/22/2019 15:36	27.70	89.1	6.65	5.8	SR12	8/22/2019 21:36	27.89	75.8	5.66	6.3
SR12	8/22/2019 3:41	27.45	67.4	5.03	8.3	SR12	8/22/2019 9:41	27.18	70.6	5.27	6.1	SR12	8/22/2019 15:41	27.78	89.9	6.71	7.4	SR12	8/22/2019 21:41	27.88	75.0	5.60	6.4
SR12	8/22/2019 3:46	27.33	65.5	4.89	6.9	SR12	8/22/2019 9:46	27.23	68.6	5.12	5.4	SR12	8/22/2019 15:46	27.76	89.2	6.66	7.3	SR12	8/22/2019 21:46	27.88	75.4	5.63	7.4
SR12	8/22/2019 3:51	27.51	70.6	5.27	7.9	SR12	8/22/2019 9:51	27.20	69.8	5.21	5.4	SR12	8/22/2019 15:51	27.77									

24-hr Water Quality Monitoring

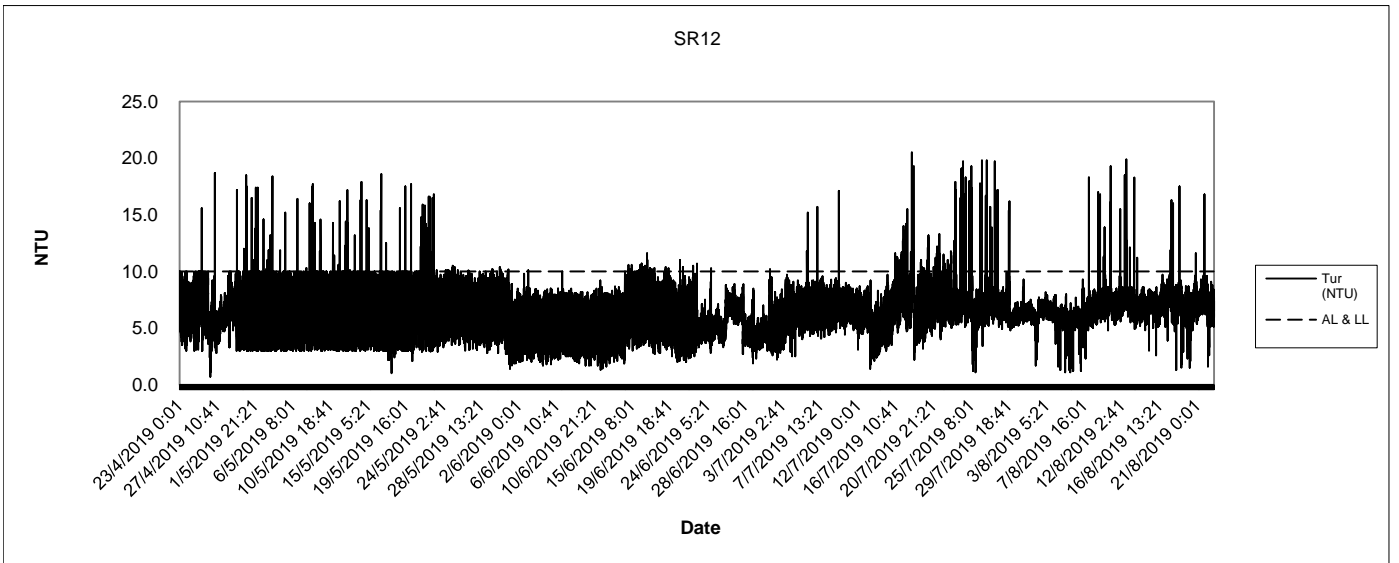
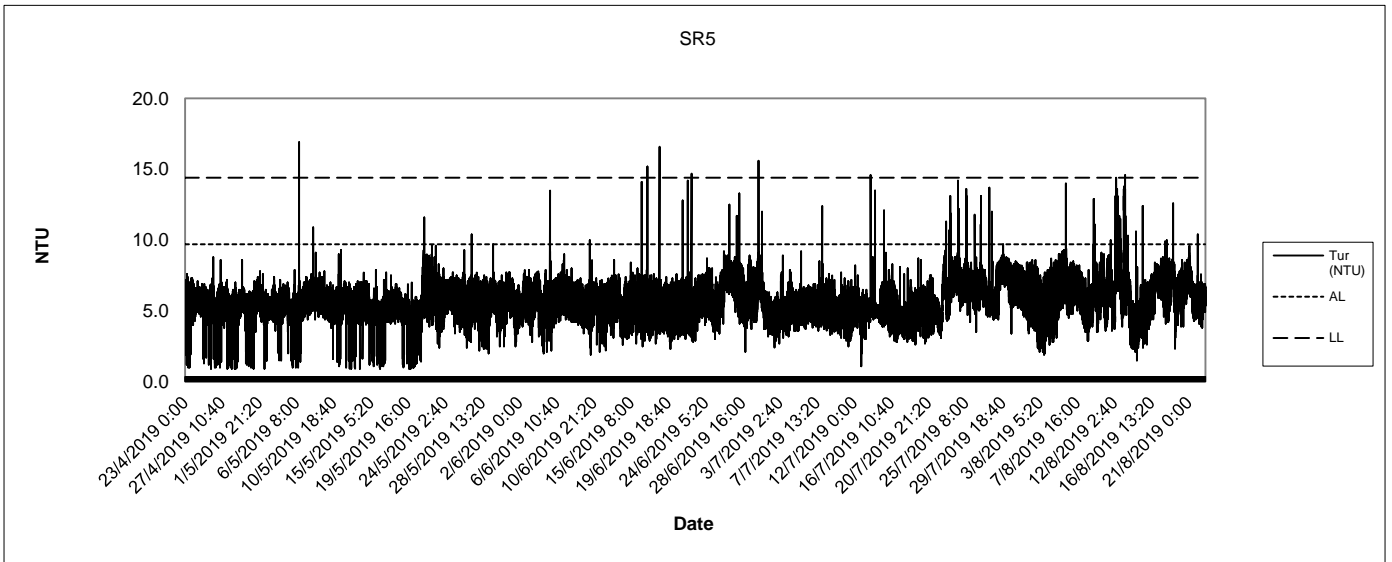
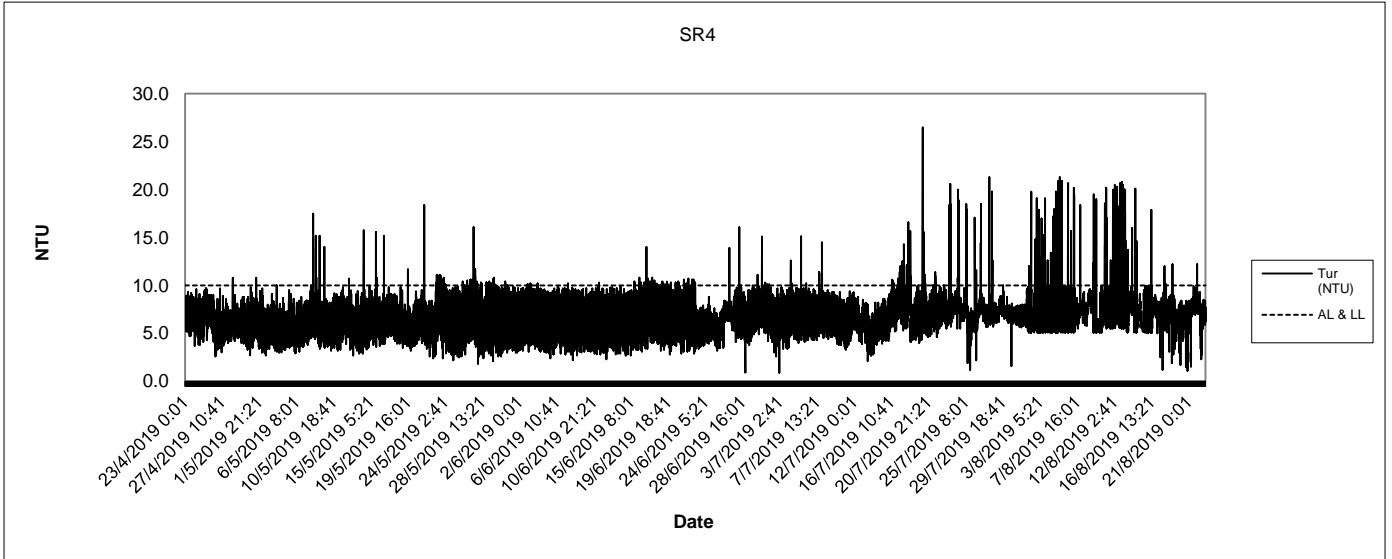
Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)	Station	Timestamp	Temp (°C)	DO (%)	DO (mg/L)	Tur (NTU)
SR13	8/22/2019 0:00	28.81	75.8	5.72	6.4	SR13	8/22/2019 6:00	28.32	75.4	5.68	6.1	SR13	8/22/2019 12:00	29.44	76.6	5.77	5.7	SR13	8/22/2019 18:00	29.51	69.2	5.21	6.6
SR13	8/22/2019 0:05	28.78	76.0	5.74	6.2	SR13	8/22/2019 6:05	28.40	78.7	5.93	5.6	SR13	8/22/2019 12:05	29.51	74.7	5.63	6.1	SR13	8/22/2019 18:05	29.53	70.3	5.29	5.8
SR13	8/22/2019 0:10	28.79	72.5	5.47	6.0	SR13	8/22/2019 6:10	28.35	73.6	5.55	6.0	SR13	8/22/2019 12:10	29.48	76.2	5.74	6.4	SR13	8/22/2019 18:10	29.51	71.2	5.36	5.9
SR13	8/22/2019 0:15	28.82	72.1	5.44	7.3	SR13	8/22/2019 6:15	28.38	75.6	5.70	6.0	SR13	8/22/2019 12:15	29.42	75.6	5.69	6.0	SR13	8/22/2019 18:15	29.45	74.2	5.59	6.8
SR13	8/22/2019 0:20	28.78	73.1	5.52	6.7	SR13	8/22/2019 6:20	28.41	74.0	5.59	6.0	SR13	8/22/2019 12:20	29.40	76.2	5.74	6.1	SR13	8/22/2019 18:20	29.46	75.9	5.72	6.6
SR13	8/22/2019 0:25	28.81	74.9	5.66	6.5	SR13	8/22/2019 6:25	28.37	71.3	5.38	5.8	SR13	8/22/2019 12:25	29.41	77.8	5.86	5.6	SR13	8/22/2019 18:25	29.47	70.5	5.31	5.8
SR13	8/22/2019 0:30	28.73	76.2	5.75	7.2	SR13	8/22/2019 6:30	28.38	75.3	5.67	5.2	SR13	8/22/2019 12:30	29.36	75.0	5.65	5.5	SR13	8/22/2019 18:30	29.53	71.6	5.40	6.4
SR13	8/22/2019 0:35	28.67	73.5	5.54	6.2	SR13	8/22/2019 6:35	28.42	71.7	5.40	5.2	SR13	8/22/2019 12:35	29.40	77.8	5.86	6.5	SR13	8/22/2019 18:35	29.48	72.2	5.44	6.0
SR13	8/22/2019 0:40	28.53	76.1	5.74	6.7	SR13	8/22/2019 6:40	28.47	76.5	5.76	5.1	SR13	8/22/2019 12:40	29.36	75.2	5.67	5.7	SR13	8/22/2019 18:40	29.43	70.0	5.27	6.7
SR13	8/22/2019 0:45	28.55	77.0	5.81	6.2	SR13	8/22/2019 6:45	28.58	73.2	5.52	5.8	SR13	8/22/2019 12:45	29.37	73.7	5.55	6.2	SR13	8/22/2019 18:45	29.51	71.4	5.44	5.6
SR13	8/22/2019 0:50	28.40	76.1	5.74	6.3	SR13	8/22/2019 6:50	28.57	77.1	5.81	6.0	SR13	8/22/2019 12:50	29.38	77.2	5.82	6.2	SR13	8/22/2019 18:50	29.71	72.5	5.52	5.9
SR13	8/22/2019 0:55	28.16	74.2	5.60	6.6	SR13	8/22/2019 6:55	28.61	78.7	5.93	6.1	SR13	8/22/2019 12:55	29.37	76.9	5.80	6.1	SR13	8/22/2019 18:55	29.73	73.3	5.59	6.8
SR13	8/22/2019 1:00	28.14	76.5	5.78	6.9	SR13	8/22/2019 7:00	28.68	78.2	5.89	5.6	SR13	8/22/2019 13:00	29.28	79.5	5.99	6.3	SR13	8/22/2019 19:00	29.85	73.5	5.58	5.8
SR13	8/22/2019 1:05	28.15	74.1	5.59	6.7	SR13	8/22/2019 7:05	28.76	77.1	5.81	5.5	SR13	8/22/2019 13:05	29.14	76.9	5.79	6.2	SR13	8/22/2019 19:05	29.76	72.4	5.51	5.7
SR13	8/22/2019 1:10	28.13	76.2	5.75	6.1	SR13	8/22/2019 7:10	28.72	75.9	5.72	5.0	SR13	8/22/2019 13:10	29.09	75.0	5.65	6.0	SR13	8/22/2019 19:10	29.77	73.1	5.56	5.8
SR13	8/22/2019 1:15	28.12	76.4	5.77	6.8	SR13	8/22/2019 7:15	28.73	76.5	5.76	5.5	SR13	8/22/2019 13:15	28.88	76.7	5.78	6.4	SR13	8/22/2019 19:15	29.73	72.2	5.48	6.2
SR13	8/22/2019 1:20	28.13	75.2	5.68	6.3	SR13	8/22/2019 7:20	28.70	78.5	5.91	6.6	SR13	8/22/2019 13:20	28.86	78.0	5.87	6.5	SR13	8/22/2019 19:20	29.79	72.3	5.51	5.8
SR13	8/22/2019 1:25	28.12	76.4	5.77	7.1	SR13	8/22/2019 7:25	28.77	78.7	5.93	5.6	SR13	8/22/2019 13:25	28.80	76.1	5.73	7.2	SR13	8/22/2019 19:25	29.75	71.6	5.46	6.2
SR13	8/22/2019 1:30	28.13	77.3	5.83	6.2	SR13	8/22/2019 7:30	28.76	77.5	5.84	5.7	SR13	8/22/2019 13:30	28.77	73.8	5.56	5.9	SR13	8/22/2019 19:30	29.71	72.5	5.51	5.6
SR13	8/22/2019 1:35	28.13	74.9	5.65	6.5	SR13	8/22/2019 7:35	28.81	78.5	5.92	5.5	SR13	8/22/2019 13:35	28.76	74.7	5.63	6.7	SR13	8/22/2019 19:35	29.74	73.9	5.64	6.1
SR13	8/22/2019 1:40	28.11	75.3	5.69	6.4	SR13	8/22/2019 7:40	28.83	74.7	5.63	6.1	SR13	8/22/2019 13:40	28.72	74.8	5.63	5.9	SR13	8/22/2019 19:40	29.82	74.1	5.65	5.8
SR13	8/22/2019 1:45	28.08	75.1	5.66	6.2	SR13	8/22/2019 7:45	28.89	77.6	5.85	4.9	SR13	8/22/2019 13:45	28.67	74.8	5.63	6.6	SR13	8/22/2019 19:45	29.75	73.2	5.65	6.0
SR13	8/22/2019 1:50	28.10	75.7	5.71	6.5	SR13	8/22/2019 7:50	28.91	77.8	5.87	4.5	SR13	8/22/2019 13:50	28.62	71.6	5.39	6.1	SR13	8/22/2019 19:50	29.73	71.0	5.41	6.0
SR13	8/22/2019 1:55	28.09	78.5	5.93	6.3	SR13	8/22/2019 7:55	28.94	77.5	5.84	5.3	SR13	8/22/2019 13:55	28.61	73.7	5.56	6.4	SR13	8/22/2019 19:55	29.71	72.8	5.55	6.2
SR13	8/22/2019 2:00	28.07	76.1	5.74	6.4	SR13	8/22/2019 8:00	28.86	78.3	5.90	5.2	SR13	8/22/2019 14:00	28.65	75.8	5.71	6.4	SR13	8/22/2019 20:00	29.84	71.0	5.45	6.1
SR13	8/22/2019 2:05	28.07	76.2	5.75	5.9	SR13	8/22/2019 8:05	28.86	78.7	5.93	5.8	SR13	8/22/2019 14:05	28.69	76.5	5.77	5.9	SR13	8/22/2019 20:05	29.83	72.8	5.55	5.9
SR13	8/22/2019 2:10	28.08	75.0	5.66	7.0	SR13	8/22/2019 8:10	28.85	75.2	5.67	6.0	SR13	8/22/2019 14:10	28.71	73.7	5.55	6.3	SR13	8/22/2019 20:10	29.80	72.9	5.57	5.9
SR13	8/22/2019 2:15	28.07	74.6	5.63	6.3	SR13	8/22/2019 8:15	28.80	77.7	5.65	5.8	SR13	8/22/2019 14:15	28.73	74.2	5.59	6.7	SR13	8/22/2019 20:15	29.89	71.3	5.45	6.1
SR13	8/22/2019 2:20	28.08	74.8	5.64	7.5	SR13	8/22/2019 8:20	28.81	78.7	5.93	5.8	SR13	8/22/2019 14:20	28.74	74.9	5.65	5.7	SR13	8/22/2019 20:20	29.79	73.9	5.65	6.0
SR13	8/22/2019 2:25	28.08	73.4	5.54	6.0	SR13	8/22/2019 8:25	28.85	78.8	5.94	6.6	SR13	8/22/2019 14:25	28.71	74.6	5.62	6.0	SR13	8/22/2019 20:25	29.81	74.6	5.70	5.9
SR13	8/22/2019 2:30	28.08	75.1	5.67	6.7	SR13	8/22/2019 8:30	28.89	78.2	5.89	6.0	SR13	8/22/2019 14:30	28.71	75.4	5.68	6.1	SR13	8/22/2019 20:30	29.81	71.8	5.50	5.9
SR13	8/22/2019 2:35	28.06	75.3	5.68	6.1	SR13	8/22/2019 8:35	28.88	80.0	6.03	6.3	SR13	8/22/2019 14:35	28.73	73.4	5.53	5.9	SR13	8/22/2019 20:35	29.80	73.7	5.63	6.0
SR13	8/22/2019 2:40	28.06	75.3	5.69	6.1	SR13	8/22/2019 8:40	28.88	76.8	5.78	4.5	SR13	8/22/2019 14:40	28.74	72.7	5.48	6.5	SR13	8/22/2019 20:40	29.80	72.5	5.53	5.7
SR13	8/22/2019 2:45	28.05	77.3	5.83	5.1	SR13	8/22/2019 8:45	28.86	79.9	6.03	5.9	SR13	8/22/2019 14:45	28.73	76.3	5.75	5.8	SR13	8/22/2019 20:45	29.78	73.1	5.59	6.2
SR13	8/22/2019 2:50	28.04	77.8	5.87	6.2	SR13	8/22/2019 8:50	28.92	80.5	6.06	5.7	SR13	8/22/2019 14:50	28.75	73.5	5.55	6.9	SR13	8/22/2019 20:50	29.76	74.1	5.67	6.1
SR13	8/22/2019 2:55	28.04	77.9	5.88	6.9	SR13	8/22/2019 8:55	29.01	76.9	5.79	5.9	SR13	8/22/2019 14:55	28.75	74.6	5.62	5.9	SR13	8/22/2019 20:55	29.76	72.1	5.54	5.8
SR13	8/22/2019 3:00	28.07	78.1	5.89	6.6	SR13	8/22/2019 9:00	29.07	75.0	5.65	4.8	SR13	8/22/2019 15:00	28.72	73.7	5.55	6.2	SR13	8/22/2019 21:00	29.80	73.9	5.66	5.9
SR13	8/22/2019 3:05	28.05	79.0	5.96	6.9	SR13	8/22/2019 9:05	29.09	74.8	5.65	5.8	SR13	8/22/2019 15:05	28.74	78.2	5.89	6.1	SR13	8/22/2019 21:05	29.80	73.9	5.67	5.9
SR13	8/22/2019 3:10	28.03	79.5	6.00	7.2	SR13	8/22/2019 9:10	29.09	73.9	5.58	5.5	SR13	8/22/2019 15:10	28.74	70.8	5.34	6.5	SR13	8/22/2019 21:10	29.80	73.6	5.64	5.6
SR13	8/22/2019 3:15	28.04	77.2	5.83	7.1	SR13	8/22/2019 9:15	29.13	71.5	5.40	5.6	SR13	8/22/2019 15:15	28.74	74.0	5.58	6.4	SR13	8/22/2019 21:15	29.81	75.8	5.81	5.5
SR13	8/22/2019 3:20	28.04	77.0	5.81	6.8	SR13	8/22/2019 9:20	29.16	72.7	5.49	6.2	SR13	8/22/2019 15:20	28.79	73.4	5.53	6.5	SR13	8/22/2019 21:20	29.79	75.3	5.79	5.4
SR13	8/22/2019 3:25	28.08	78.2	5.90	6.5	SR13	8/22/2019 9:25	29.22	75.7	5.70	6.0	SR13	8/22/2019 15:25	28.80	74.2	5.59	6.4	SR13	8/22/2019 21:25	29.75	74.1	5.69	5.3
SR13	8/22/2019 3:30	28.08	78.6	5.93	6.1	SR13	8/22/2019 9:30	29.26	74.3	5.61	4.7	SR13	8/22/2019 15:30	28.79	72.7	5.48	6.7	SR13	8/22/2019 21:30	29.70	73.1	5.62	5.3
SR13	8/22/2019 3:35	28.25	79.8	6.03	6.1	SR13	8/22/2019 9:35	29.28	73.5	5.55	5.9	SR13	8/22/2019 15:35	28.79	74.0	5.58	6.5	SR13	8/22/2019 21:35	29.72	74.7	5.75	5.6
SR13	8/22/2019 3:40	28.35	80.2	6.06	6.9	SR13	8/22/2019 9:40	29.31	78.3	5.91	6.7	SR13	8/22/2019 15:40	28.76	75.0	5.67	5.7	SR13	8/22/2019 21:40	29.71	74.4	5.73	5.5
SR13	8/22/2019 3:45	28.37	79.1	5.97	7.0	SR13	8/22/2019 9:45	29.34	77.5	5.85	5.8	SR13	8/22/2019 15:45	29.20	72.4	5.47	6.3	SR13	8/22/2019 21:45	29.69	74.6	5.73	5.7
SR13	8/22/2019 3:50	28.37	80.2	6.05	5.4	SR13	8/22/2019 9:50	29.32	74.5	5.63	6.6	SR13	8/22/2019 15:50	29.14									

24-hr Water Quality Monitoring

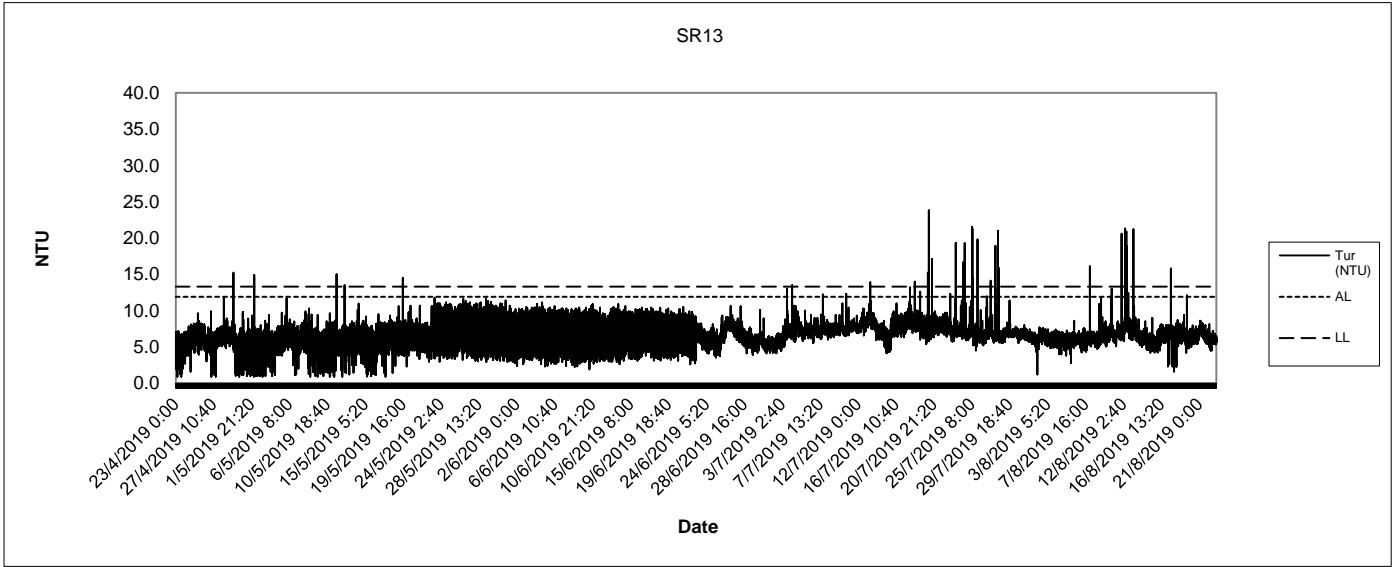
Station	Timestamp	NH ₃ (mg/L)				Station	Timestamp	NH ₃ (mg/L)			
SR4	8/22/2019 0:17	0.27				SR12	8/22/2019 0:17	0.25			
SR4	8/22/2019 0:37	0.28				SR12	8/22/2019 0:37	0.26			
SR4	8/22/2019 0:57	0.27				SR12	8/22/2019 0:57	0.26			
SR4	8/22/2019 1:17	0.28				SR12	8/22/2019 1:17	0.27			
SR4	8/22/2019 1:37	0.26				SR12	8/22/2019 1:37	0.26			
SR4	8/22/2019 1:57	0.28				SR12	8/22/2019 1:57	0.27			
SR4	8/22/2019 2:17	0.26				SR12	8/22/2019 2:17	0.25			
SR4	8/22/2019 2:37	0.26				SR12	8/22/2019 2:37	0.27			
SR4	8/22/2019 2:57	0.28				SR12	8/22/2019 2:57	0.27			
SR4	8/22/2019 3:17	0.28				SR12	8/22/2019 3:17	0.26			
SR4	8/22/2019 3:37	0.28				SR12	8/22/2019 3:37	0.27			
SR4	8/22/2019 3:57	0.26				SR12	8/22/2019 3:57	0.27			
SR4	8/22/2019 4:17	0.28				SR12	8/22/2019 4:17	0.25			
SR4	8/22/2019 4:37	0.26				SR12	8/22/2019 4:37	0.27			
SR4	8/22/2019 4:57	0.28				SR12	8/22/2019 4:57	0.26			
SR4	8/22/2019 5:17	0.27				SR12	8/22/2019 5:17	0.26			
SR4	8/22/2019 5:37	0.28				SR12	8/22/2019 5:37	0.27			
SR4	8/22/2019 5:57	0.26				SR12	8/22/2019 5:57	0.26			
SR4						SR12					
SR4	8/22/2019 6:37	0.27				SR12	8/22/2019 6:37	0.25			
SR4	8/22/2019 6:57	0.26				SR12	8/22/2019 6:57	0.25			
SR4	8/22/2019 7:17	0.28				SR12	8/22/2019 7:17	0.25			
SR4	8/22/2019 7:37	0.27				SR12	8/22/2019 7:37	0.26			
SR4	8/22/2019 7:57	0.26				SR12	8/22/2019 7:57	0.26			
SR4	8/22/2019 8:17	0.27				SR12	8/22/2019 8:17	0.25			
SR4	8/22/2019 8:37	0.27				SR12	8/22/2019 8:37	0.25			
SR4	8/22/2019 8:57	0.27				SR12	8/22/2019 8:57	0.27			
SR4	8/22/2019 9:17	0.27				SR12	8/22/2019 9:17	0.26			
SR4	8/22/2019 9:37	0.28				SR12	8/22/2019 9:37	0.27			
SR4	8/22/2019 9:57	0.28				SR12	8/22/2019 9:57	0.25			
SR4	8/22/2019 10:17	0.26				SR12	8/22/2019 10:17	0.26			
SR4	8/22/2019 10:37	0.28				SR12	8/22/2019 10:37	0.27			
SR4	8/22/2019 10:57	0.28				SR12	8/22/2019 10:57	0.25			
SR4	8/22/2019 11:17	0.26				SR12	8/22/2019 11:17	0.26			
SR4	8/22/2019 11:37	0.27				SR12	8/22/2019 11:37	0.25			
SR4	8/22/2019 11:57	0.26				SR12	8/22/2019 11:57	0.26			
SR4	8/22/2019 12:17	0.28				SR12	8/22/2019 12:17	0.27			
SR4	8/22/2019 12:37	0.28				SR12	8/22/2019 12:37	0.26			
SR4	8/22/2019 12:57	0.27				SR12	8/22/2019 12:57	0.27			
SR4	8/22/2019 13:17	0.26				SR12	8/22/2019 13:17	0.26			
SR4	8/22/2019 13:37	0.27				SR12	8/22/2019 13:37	0.26			
SR4	8/22/2019 13:57	0.26				SR12	8/22/2019 13:57	0.26			
SR4	8/22/2019 14:17	0.27				SR12	8/22/2019 14:17	0.25			
SR4	8/22/2019 14:37	0.25				SR12	8/22/2019 14:37	0.25			
SR4	8/22/2019 14:57	0.25				SR12	8/22/2019 14:57	0.25			
SR4	8/22/2019 15:17	0.27				SR12	8/22/2019 15:17	0.26			
SR4	8/22/2019 15:37	0.25				SR12	8/22/2019 15:37	0.27			
SR4	8/22/2019 15:57	0.26				SR12	8/22/2019 15:57	0.26			
SR4	8/22/2019 16:17	0.25				SR12	8/22/2019 16:17	0.25			
SR4	8/22/2019 16:37	0.27				SR12	8/22/2019 16:37	0.25			
SR4	8/22/2019 16:57	0.27				SR12	8/22/2019 16:57	0.25			
SR4	8/22/2019 17:17	0.27				SR12	8/22/2019 17:17	0.25			
SR4	8/22/2019 17:37	0.27				SR12	8/22/2019 17:37	0.27			
SR4	8/22/2019 17:57	0.26				SR12	8/22/2019 17:57	0.26			
SR4	8/22/2019 18:17	0.27				SR12	8/22/2019 18:17	0.26			
SR4	8/22/2019 18:37	0.25				SR12	8/22/2019 18:37	0.25			
SR4	8/22/2019 18:57	0.26				SR12	8/22/2019 18:57	0.27			
SR4	8/22/2019 19:17	0.26				SR12	8/22/2019 19:17	0.25			
SR4	8/22/2019 19:37	0.26				SR12	8/22/2019 19:37	0.25			
SR4	8/22/2019 19:57	0.27				SR12	8/22/2019 19:57	0.25			
SR4	8/22/2019 20:17	0.27				SR12	8/22/2019 20:17	0.25			
SR4	8/22/2019 20:37	0.27				SR12	8/22/2019 20:37	0.25			
SR4	8/22/2019 20:57	0.26				SR12	8/22/2019 20:57	0.27			
SR4	8/22/2019 21:17	0.25				SR12	8/22/2019 21:17	0.25			
SR4	8/22/2019 21:37	0.26				SR12	8/22/2019 21:37	0.25			
SR4	8/22/2019 21:57	0.26				SR12	8/22/2019 21:57	0.25			
SR4	8/22/2019 22:17	0.25				SR12	8/22/2019 22:17	0.26			
SR4	8/22/2019 22:37	0.27				SR12	8/22/2019 22:37	0.27			
SR4	8/22/2019 22:57	0.26				SR12	8/22/2019 22:57	0.27			
SR4	8/22/2019 23:17	0.25				SR12	8/22/2019 23:17	0.27			
SR4	8/22/2019 23:37	0.25				SR12	8/22/2019 23:37	0.26			
SR4	8/22/2019 23:57	0.26				SR12	8/22/2019 23:57	0.25			

Remark: Fonts with underline: Action Level Exceedance
Fonts in Bold with underline: Limit Level Exceedance
 Automatic Instrument calibration of NH3-N monitor was carried out during 5:57-6:37 at SR4 and SR12.
 SR5 monitoring station was under maintenance during 12:35-13:00.

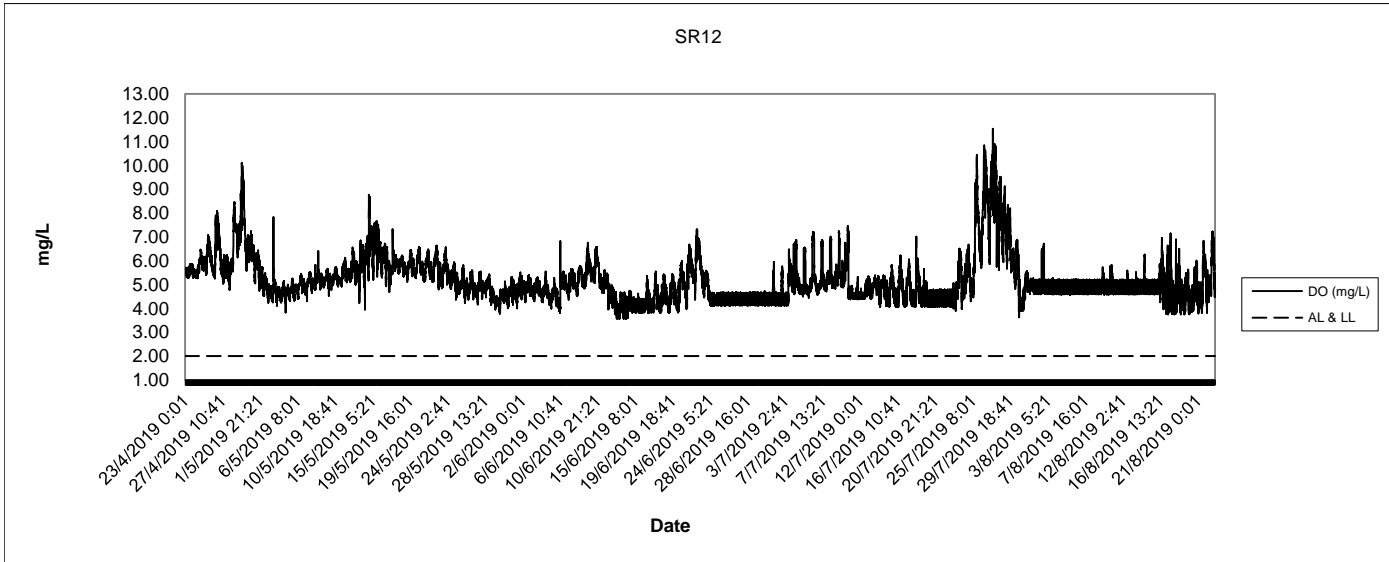
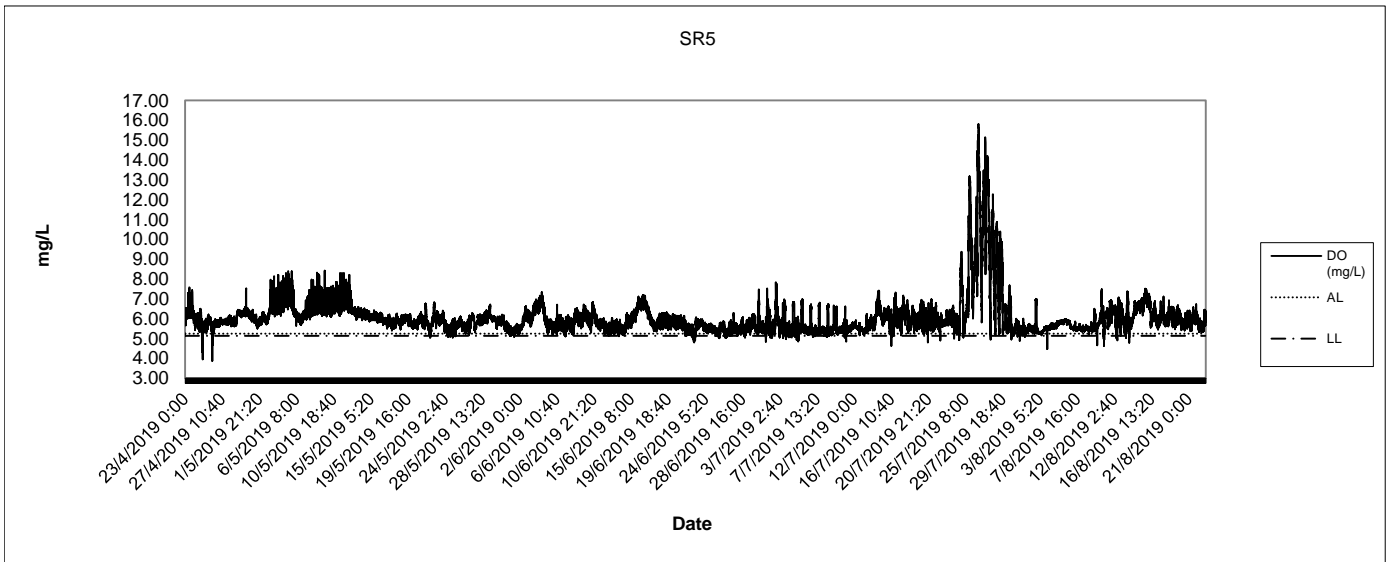
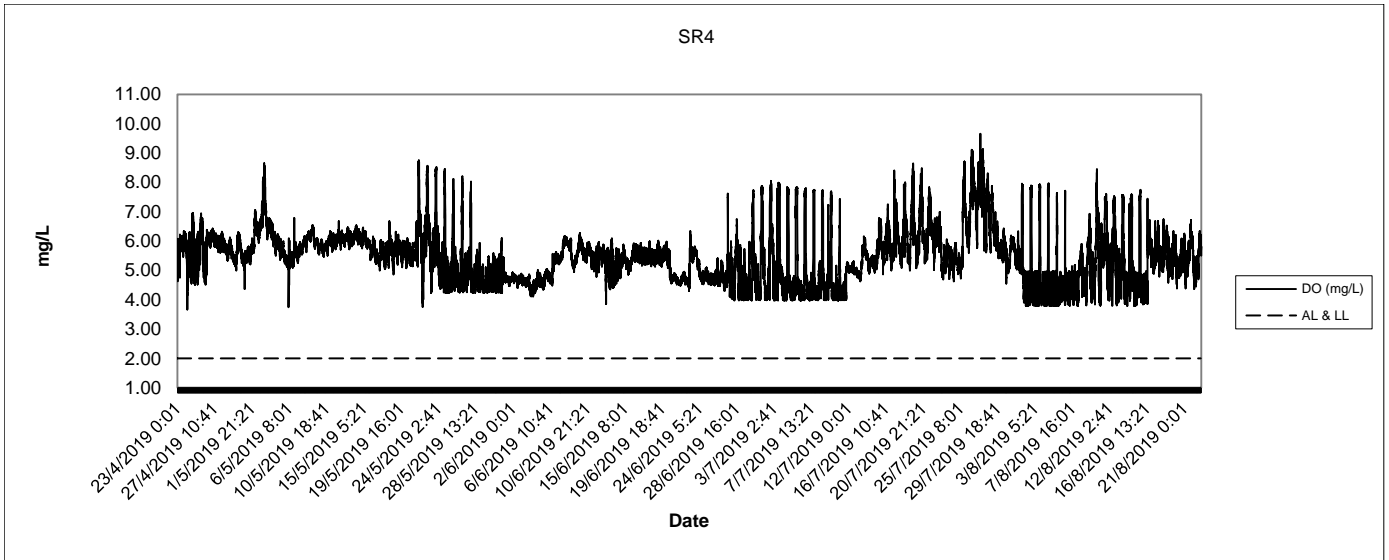
Turbidity 24-hr Water Quality Monitoring



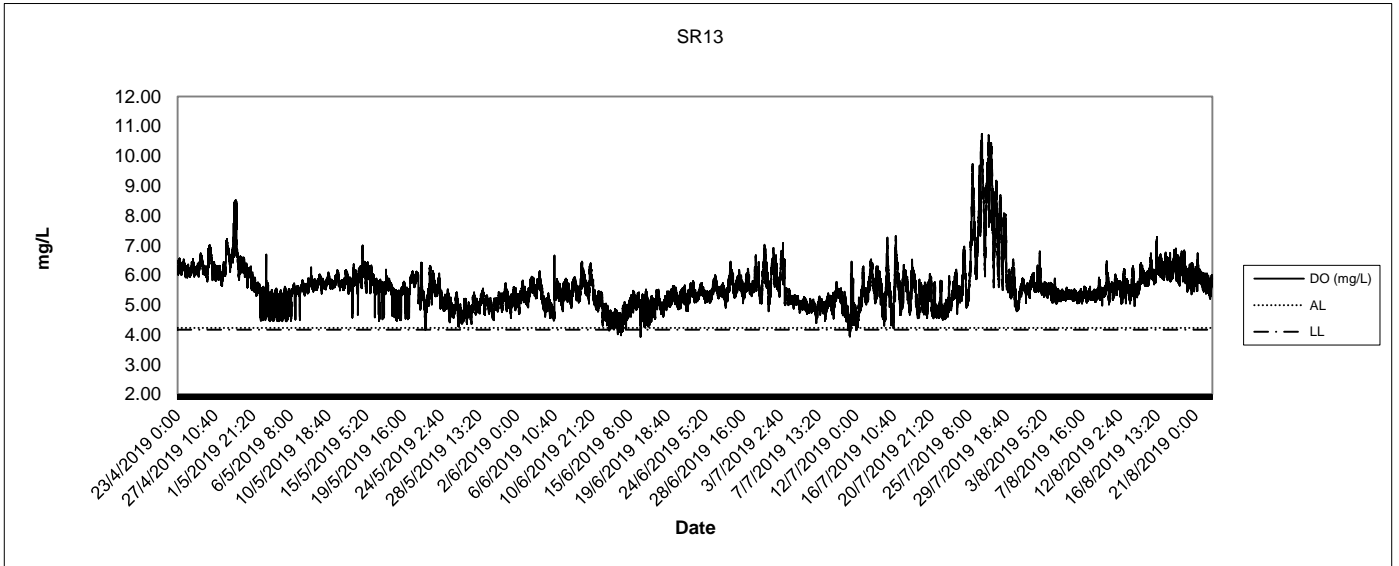
Turbidity 24-hr Water Quality Monitoring



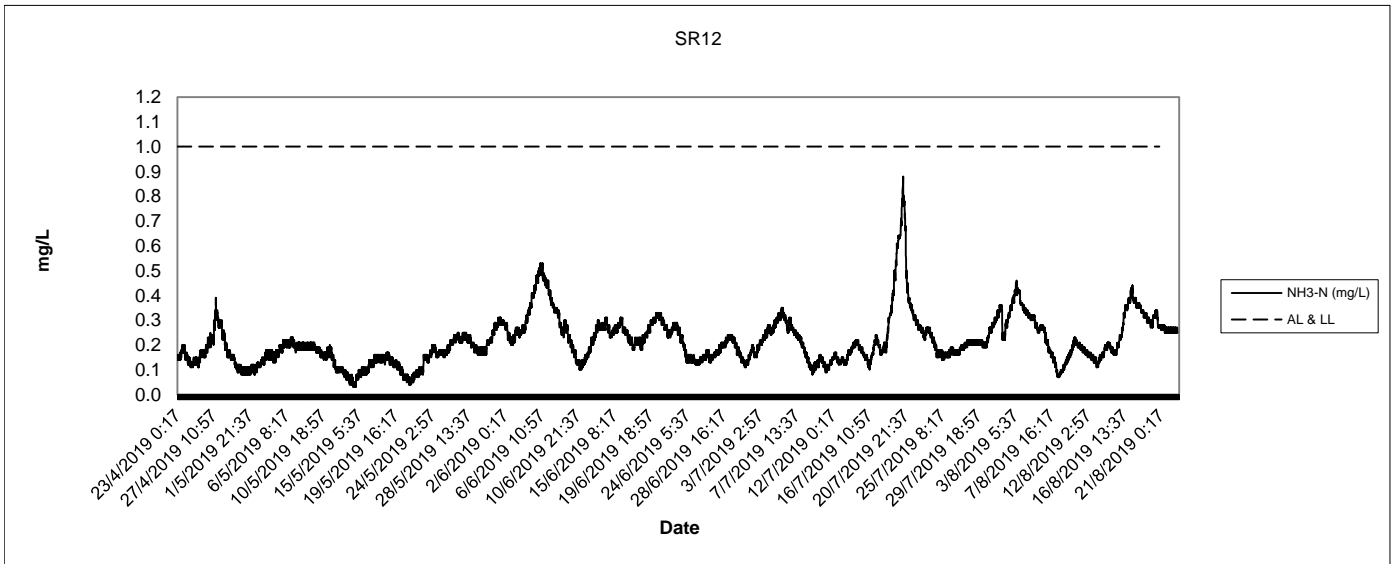
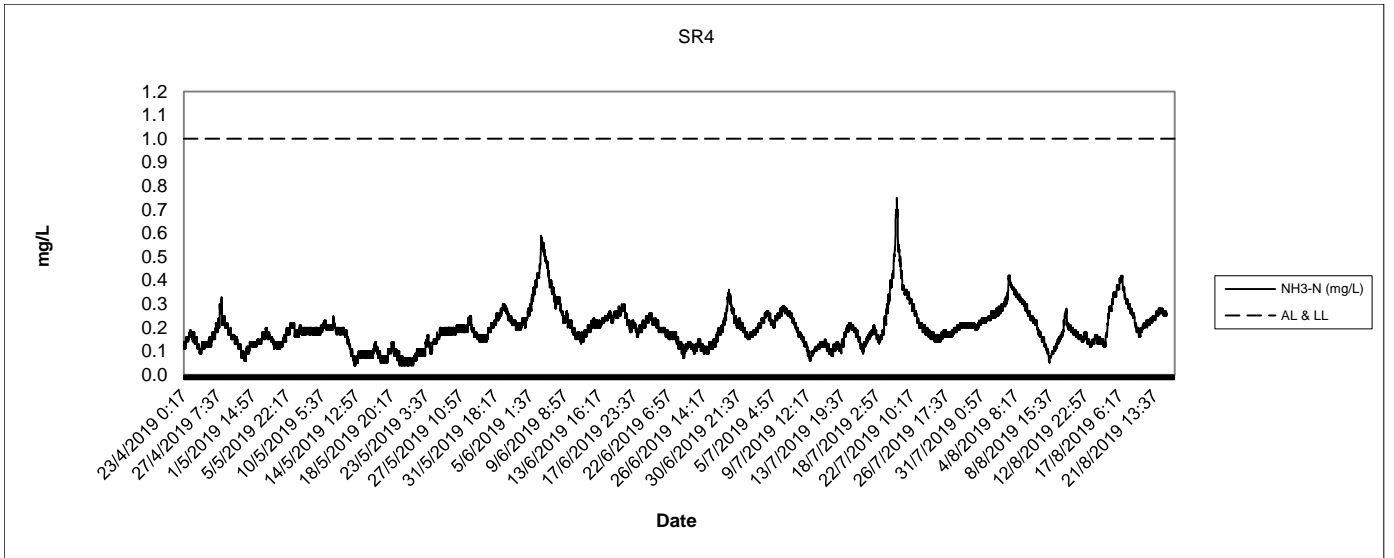
Dissolved Oxygen 24-hr Water Quality Monitoring



Dissolved Oxygen 24-hr Water Quality Monitoring



Ammonia-N 24-hr Water Quality Monitoring



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Report No.: 0394/13/ED/0381A

Appendix H Event and Action Plans

Typical Event and Action Plan for Water Quality for Construction Phase

Event	Action			
	ET Leader	IEC	ER	Contractor
Action Level				
Exceedance for one sample	<ol style="list-style-type: none"> 1. Repeat in-situ measurement to confirm finding; 2. Identify source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC and Contractor; and 6. Repeat measurement on next day of exceedance. 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Discuss with IEC on the proposed mitigation measures; and 2. Make agreement on the mitigation measures to be implemented. 	<ol style="list-style-type: none"> 1. Inform the ER and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET and IEC and propose mitigation measures to IEC and ER; and 6. Implement the agreed mitigation measures.
Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> 1. Repeat in-situ measurement to confirm finding; 2. Identify source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC and Contractor; 6. Ensure mitigation measures are implemented; 7. Prepare to increase the monitoring frequency to daily; and 8. Repeat measurement on next day of exceedance. 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Discuss with IEC on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented; and 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Inform the ER and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET and IEC and propose mitigation measures to IEC and ER within 3 working days; and 6. Implement the agreed mitigation measures.
Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> 1. Repeat in-situ measurement to confirm finding; 2. Identify source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC and Contractor; 6. Ensure mitigation measures are implemented; 7. Prepare to increase the monitoring frequency to daily; and 8. Repeat measurement on next day of exceedance. 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Discuss with IEC on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented; and 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Inform the ER and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET and IEC and propose mitigation measures to IEC and ER within 3 working days; and 6. Implement the agreed mitigation measures.
Limit Level				
Exceedance for one sample	<ol style="list-style-type: none"> 1. Repeat in-situ measurement to confirm finding; 2. Identify source(s) of impact; 3. Inform IEC, Contractor and EPD, if the exceedance is recorded at Fish Culture Zone, AFCD should be informed. If the exceedance is recorded at WSD Flushing Water intakes, WSD should be informed; 4. Check monitoring data, all plant, equipment 	<ol style="list-style-type: none"> 1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and 3. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; and 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; and 4. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Inform the ER and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET and IEC and ER and propose mitigation measures to IEC and ER within 3 working days; and 6. Implement the agreed mitigation measures.

Event	Action			
	ET Leader	IEC	ER	Contractor
	<p>and Contractor's working methods;</p> <p>5. Discuss mitigation measures with IEC, ER and Contractor;</p> <p>6. Ensure mitigation measures are implemented; and</p> <p>7. Increase the monitoring frequency to daily until no exceedance of Limit level.</p>			
Exceedance for two or more consecutive samples	<p>1. Repeat in-situ measurement to confirm finding;</p> <p>2. Identify source(s) of impact;</p> <p>3. Inform IEC, Contractor and EPD, if the exceedance is recorded at Fish Culture Zone, AFCD should be informed. If the exceedance is recorded at WSD Flushing Water intakes, WSD should be informed;</p> <p>4. Check monitoring data, all plant, equipment and Contractor's working methods;</p> <p>5. Discuss mitigation measures with IEC, ER and Contractor;</p> <p>6. Ensure mitigation measures are implemented; and</p> <p>7. Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days.</p>	<p>1. Discuss with ET and Contractor on the mitigation measures;</p> <p>2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; and</p> <p>3. Assess the effectiveness of the implemented mitigation measures.</p>	<p>1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; and</p> <p>2. Request Contractor to critically review the working methods;</p> <p>3. Make agreement on the mitigation measures to be implemented;</p> <p>4. Assess the effectiveness of the implemented mitigation measures; and</p> <p>5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit Level.</p>	<p>1. Inform the ER and confirm notification of the non-compliance in writing;</p> <p>2. Rectify unacceptable practice;</p> <p>3. Check all plant and equipment;</p> <p>4. Consider changes of working methods;</p> <p>5. Discuss with ET and IEC and ER and propose mitigation measures to IEC and ER within 3 working days;</p> <p>6. Implement the agreed mitigation measures; and</p> <p>7. As directed by the ER, to slow down or to stop all or part of the marine work or construction activities.</p>

Event and Action Plan for 24-hour Water Quality Monitoring

Event	Action			
	ET Leader	Contractor	ER	IEC
Action Level				
On Action Level exceedance of turbidity or DO (mg/L) (over a period of 30-minute), or exceedance of ammonia (mg/L) (over a period of 60-minute). Notification is sent to ET, Contractor, ER, EPD, AFCD and WSD automatically via email	<ol style="list-style-type: none"> 1. Check data and determine if the exceedance was due to equipment problem. If so, fix the problem within 1 working day. Continue monitoring 2. Carry out investigation as soon as possible after identification of exceedance. Check monitoring data (including data from regular water quality), all plant, equipment and Contractor's working methods; 3. Report the initial investigation results to the Contractor within 24 hours of identification of exceedance. Advise contractor if exceedance may be due to contractor's construction works. 4. Conduct water quality monitoring at the mariculture/ WSD flushing water intake station with exceedance recorded and gradient stations in vicinity within 18 hours of identification of exceedance if the exceedance may be due to the works. Parameters to monitor include DO (mg/L), turbidity and SS. 5. Report the monitoring data to the Contractor within 48 hours of identification of exceedance. Advise contractor if exceedance is due to contractor's construction works. 6. Discuss mitigation measures with IEC, ER and Contractor within 2 working days of submission of the investigation results. 7. Ensure mitigation measures are implemented; 8. Closely monitor the concerned 24-hr station. 	<ol style="list-style-type: none"> 1. Check all plant and equipment; 2. Consider changes of working methods; 3. Rectify unacceptable practice; 4. Submit the monitoring data and results of the investigation to IEC and ER within 48 hours of the identification of an exceedance Inform EPD, AFCD and WSD of the results; 5. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 2 working days of submission of the investigation results; 6. Implement the agreed mitigation measures within reasonable time scale 	<ol style="list-style-type: none"> 1. Request Contractor to critically review the working methods; 2. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 3. Ensure remedial measures are properly implemented 4. Assess the effectiveness of the implemented mitigation measures 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET 2. Confirm ET assessment if exceedance is due /not due to the works 3. Discuss with ET, ER and Contractor on the mitigation measures 4. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly 5. Assess the effectiveness of the implemented mitigation measures
Limit Level				
On Limit Level exceedance of turbidity or DO (mg/L) (over a period of 30-minute or exceedance of ammonia (mg/L) (over a period of 60-minute). Notification is sent to ET, Contractor, ER, EPD, AFCD and	<ol style="list-style-type: none"> 1. Check data and determine if the exceedance was due to equipment problem. If so, fix the problem within 1 working day. Continue monitoring 2. Carry out investigation as soon as possible after identification of exceedance. Check monitoring data (including data from regular water quality), all plant, equipment and Contractor's working methods; 	<ol style="list-style-type: none"> 1. Check all plant and equipment; 2. Consider changes of working methods; 3. Rectify unacceptable practice; 4. Submit the monitoring data and results of the investigation to IEC and ER within 48 hours of the identification of an exceedance Inform EPD, AFCD and WSD of the results; 5. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 	<ol style="list-style-type: none"> 1. Request Contractor to critically review the working methods; 2. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 3. Ensure remedial measures are properly implemented 4. Assess the effectiveness of the implemented mitigation measures; 5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET 2. Confirm ET assessment if exceedance is due /not due to the works 3. Discuss with ET, ER and Contractor on the mitigation measures 4. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly 5. Assess the effectiveness of the implemented mitigation measures

Event	Action			
	ET Leader	Contractor	ER	IEC
WSD automatically via email	<p>3. Report the initial investigation results to the Contractor within 24 hours of identification of exceedance. Advise contractor if exceedance may be due to contractor's construction works.</p> <p>4. Conduct water quality monitoring at the all monitoring stations within 18 hours of identification of exceedance if the exceedance may be due to the works. Parameters to monitor include DO (mg/L), turbidity and SS.</p> <p>5. Report the monitoring data to the Contractor within 48 hours of identification of exceedance. Advise contractor if exceedance is due to contractor's construction works.</p> <p>6. Discuss mitigation measures with IEC, ER and Contractor within 2 working days of submission of the investigation results.</p> <p>7. Ensure mitigation measures are implemented;</p> <p>8. Closely monitor the concerned 24-hr station.</p>	<p>2 working days of submission of the investigation results;</p> <p>6. Implement the agreed mitigation measures within reasonable time scale;</p> <p>7. As directed by ER, to slow down or stop all or part of the marine work or construction activities.</p>	<p>part of the marine work until no exceedance of Limit Level.</p>	

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Report No.: 0394/13/ED/0381A

Appendix I Details of Notification of Exceedances

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Report No.: 0394/13/ED/0381A

Routine Impact Monitoring

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190723 /IM/SR5					
Project:	CVI/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	23/07/2019					
Time: (hh:mm)	Mid-Flood: 11:31		Mid-Ebb: 13:02			
Monitoring Location:	SR5 - Ma Wan FCZ					
Action Level / Limit Level:	DO (S&M): 5/5 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12 / 19 mg/L	Turbidity: 10.8/15.0 NTU; TIN : 0.45/0.50 _(wet season) or 0.36/0.39 _(dry season) mg/L				
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	DO (S&M): _____ AL / LL Turbidity: _____ AL / LL TIN(Lab): <u>0.73</u> AL / (L)	DO (B): _____ AL / LL TIN(In-situ): <u>0.75</u> AL / (L) TSS : _____ AL / LL	DO (S&M): _____ AL / LL Turbidity: _____ AL / LL TIN(Lab): <u>0.72</u> AL / (L)	DO (B): _____ AL / LL TIN(In-situ): <u>0.74</u> AL / (L) TSS : _____ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input checked="" type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL					
<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: _____ () mg/L Downstream: _____ () mg/L	Upstream: _____ () mg/L Downstream: _____ () mg/L	Upstream: _____ () NTU Downstream: _____ () NTU	Upstream: _____ () mg/L Downstream: _____ () mg/L		
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.				✓	✓
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done. Mid-Flood: DO (S&M): _____ DO (B): _____ Turbidity: _____ TIN: <u>0.75</u> _____ Mid-Ebb: DO (S&M): _____ DO (B): _____ Turbidity: _____ TIN: <u>0.74</u> _____ <input type="checkbox"/> _____ _____ _____ _____					

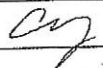
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Email : mcl@fugro.com.hk

MaterialLab

	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 23/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH₃-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH₃-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190725 /IM/SR5				
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel				
Date:	25/07/2019				
Time: (hh:mm)	Mid-Flood: 9:37		Mid-Ebb: 9:03		
Monitoring Location:	SR5 - Ma Wan FCZ				
Action Level / Limit Level:	DO (S&M): 5/5 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12 / 19 mg/L		Turbidity: 10.8/15.0 NTU; TIN : 0.45/0.50(wet season) or 0.36/0.39(dry season)mg/L		
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:		
	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL	TSS : _____ AL / LL
Action taken / to be taken: (tick / fill in as appropriate)	Turbidity: _____ AL / LL		TIN(In-situ): <u>0.69</u> AL / (L)		
	TIN(Lab): <u>0.68</u> AL / (L)		TIN(Lab): <u>0.59</u> AL / (L)		
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	Inspection:				
	<input type="checkbox"/> Silt curtain in proper condition				
	<input checked="" type="checkbox"/> Dredging rate within accepted rate				
	<input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem.				
	<input type="checkbox"/> Others: _____				
Conclusion	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
	Findings / Evidences				
	<input type="checkbox"/> Station at Upstream Location at ME				
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L
Remarks: (tick / fill in as appropriate)	Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L	
	<input checked="" type="checkbox"/> No Dredging Works carried out.				
<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.					
Repeat In-situ measurement was done.					
Mid-Flood: DO (S&M): _____ DO (B): _____ Turbidity: _____					
TIN: <u>0.69</u> _____					
Mid-Ebb: DO (S&M): _____ DO (B): _____ Turbidity: _____					
TIN: <u>0.61</u> _____					
<input type="checkbox"/> _____					

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	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James Lam

Signature:

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colln Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190727 /IM/SR3					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	27/07/2019					
Time: (hh:mm)	Mid-Flood: 13:04		Mid-Ebb: 10:32			
Monitoring Location:	SR3 -Approach, Gazetted Beach					
Action Level / Limit Level:	DO (S&M): 4.68/4.62 mg/L;		NH3-N: 0.21/0.24 mg/L ;			
	DO (B): 4.11/4.04 mg/L;		Turbidity: 10.8/15.0 NTU;			
	TSS : 12/19 mg/L		UIA : 0.021/0.021 mg/L			
Measured Level of exceeded parameters (tick / fill in / circle as appropriate)	Mid-Flood:			Mid-Ebb:		
	UIA (In-situ): 0.027 AL / (L)	UIA (Lab): 0.027 AL / (L)	UIA (In-situ): 0.034 AL / (L)	UIA (Lab): 0.032 AL / (L)		
	Turbidity: AL / LL	NH3-N(In-situ): AL / LL	Turbidity: AL / LL	NH3-N(In-situ): AL / LL		
	NH3-N(Lab): AL / LL	TSS : AL / LL	NH3-N(Lab): AL / LL	TSS : AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	<input type="checkbox"/> Station at Upstream Location at ME	UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ)	NH3-N (Lab)
	<input type="checkbox"/> Upstream Control Station () exceeded AL/LL					
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: () mg/L	Upstream: () mg/L	Upstream: () NTU	Upstream: () mg/L	
		Downstream: () mg/L	Downstream: () mg/L	Downstream: () NTU	Downstream: () mg/L	
	<input checked="" type="checkbox"/> No Dredging Works carried out.					
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.					
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	UIA (In-situ): 0.027	DO (B):	Turbidity:		
		NH3-N:				
	Mid-Ebb:	UIA (In-situ): 0.034	DO (B):	Turbidity:		
		NH3-N:				
	<input type="checkbox"/> _____ _____ _____ _____					

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MaterialLab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

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NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

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- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190727 /IM/SR4																
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel																
Date:	27/07/2019																
Time: (hh:mm)	Mid-Flood: 13:17		Mid-Ebb: 10:15														
Monitoring Location:	SR4 – Tsuen Wan, WSD Flushing Water Intake																
Action Level / Limit Level:	DO (S&M): 2/2 mg/L;	NH3-N: <1/<1 mg/L ;	DO (B): 2/2 mg/L;	Turbidity: <10/<10 NTU;	Total Suspended Solids : <10/<10 mg/L												
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	Mid-Ebb:															
	UIA (In-situ): 0.030 AL / (L)	UIA (Lab): 0.028 AL / (L)	UIA (In-situ): 0.033 AL / (L)	UIA (Lab): 0.030 AL / (L)													
	Turbidity: _____ AL / LL	NH3-N(In-situ): _____ AL / LL	Turbidity: _____ AL / LL	NH3-N(In-situ): _____ AL / LL													
	E.coli : _____ AL / LL	TSS : _____ AL / LL	E.coli : _____ AL / LL	TSS : _____ AL / LL													
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____																
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	<table border="1"> <tr> <td></td> <td>UIA (In-situ):</td> <td>UIA (Lab):</td> <td>Turbidity</td> <td>TSS</td> <td>E.coli</td> </tr> <tr> <td colspan="6" style="text-align: center;">Findings / Evidences</td> </tr> </table>						UIA (In-situ):	UIA (Lab):	Turbidity	TSS	E.coli	Findings / Evidences					
		UIA (In-situ):	UIA (Lab):	Turbidity	TSS	E.coli											
	Findings / Evidences																
	<input type="checkbox"/> Station at Upstream Location at ME																
<input type="checkbox"/> Upstream Control Station () exceeded AL/LL																	
<input type="checkbox"/> No increasing / decreasing (or DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L													
	Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L													
<input checked="" type="checkbox"/> No Dredging Works carried out.																	
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.																
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.																
	Mid-Flood:	UIA (In-situ): 0.030	DO (B): _____	Turbidity: _____													
	Mid-Ebb:	UIA (In-situ): 0.033	DO (B): _____	Turbidity: _____													
	<input type="checkbox"/> _____ _____ _____ _____																

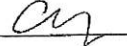
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Materialab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019**Notes:**

- Abbreviation:

AL – Action Level

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DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190727 /IMS/R5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	27/07/2019					
Time: (hh:mm)	Mid-Flood:	12:16	Mid-Ebb:	11:21		
Monitoring Location:	SR5 – Ma Wan FCZ					
Action Level / Limit Level:	DO (S&M): 5/5 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12 / 19 mg/L		Turbidity: 10.8/15.0 NTU; TIN : 0.45/0.50(wet season) or 0.36/0.39(dry season)mg/L			
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	DO (S&M): _____ AL / LL Turbidity: _____ AL / LL TIN(Lab): <u>0.72</u> AL / (L)	DO (B): _____ AL / LL TIN(In-situ): <u>0.74</u> AL / (L) TSS : _____ AL / LL	DO (S&M): _____ AL / LL Turbidity: _____ AL / LL TIN(Lab): <u>0.71</u> AL / (L)	DO (B): _____ AL / LL TIN(In-situ): <u>0.73</u> AL / (L) TSS : _____ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL					
<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream:	() mg/L	Upstream:	() mg/L	Upstream:	() NTU
	Downstream:	() mg/L	Downstream:	() mg/L	Downstream:	() NTU
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.				✓	✓
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done. Mid-Flood: DO (S&M): _____ DO (B): _____ Turbidity: _____ TIN: <u>0.74</u> DO (B): _____ Turbidity: _____ Mid-Ebb: DO (S&M): _____ DO (B): _____ Turbidity: _____ TIN: <u>0.73</u> DO (B): _____ Turbidity: _____ <input type="checkbox"/> _____ _____ _____ _____					

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MaterialLab

	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

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MF – Mid Flood

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NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190727 /IM/SR12					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	27/07/2019					
Time: (hh:mm)	Mid-Flood:	13:42	Mid-Ebb:	9:59		
Monitoring Location:	SR12 – Tsing Yi, WSD Flushing Water Intake					
Action Level / Limit Level:	DO (S&M):	2/2 mg/L;	NH3-N:	<1/<1 mg/L ;		
	DO (B):	2/2 mg/L;	Turbidity:	<10/<10 NTU;		
	Total Suspended Solids :	<10/<10 mg/L	UIA :	0.021/0.021 mg/L		
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	UIA (In-situ): 0.023AL / (L)		UIA (Lab): 0.022AL / (L)	Mid-Ebb:	
		Turbidity:	AL / LL	NH3-N(In-situ): AL / LL	Turbidity:	AL / LL
		NH3-N(Lab):	AL / LL	TSS : AL / LL	NH3-N(Lab):	AL / LL
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ):	NH3 (Lab):
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL					
	<input type="checkbox"/> No increasing / decreasing (or DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L	
	Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L		
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.	✓	✓			
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	UIA (In-situ): 0.023	DO (B): _____	Turbidity: _____		
		NH3-N: _____	DO (B): _____	Turbidity: _____		
	Mid-Ebb:	UIA (In-situ): 0.024	DO (B): _____	Turbidity: _____		
		NH3-N: _____	DO (B): _____	Turbidity: _____		
	<input type="checkbox"/> _____ _____ _____ _____					

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MaterialLab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

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NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190730 /IM/SR3					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	30/07/2019					
Time: (hh:mm)	Mid-Flood: 15:51	Mid-Ebb: 13:16				
Monitoring Location:	SR3 - Approach, Gazetted Beach					
Action Level / Limit Level:	DO (S&M): 4.68/4.62 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12/19 mg/L	NH3-N: 0.21/0.24 mg/L ; Turbidity: 10.8/15.0 NTU; UIA : 0.021/0.021 mg/L				
Measured Level of exceeded parameters (tick / fill in / circle as appropriate)	Mid-Flood:	Mid-Ebb:				
	UIA (In-situ): 0.025 AL / (L) UIA (Lab): 0.024 AL / (L)	UIA (In-situ): 0.022 AL / (L) UIA (Lab): 0.024 AL / (L)	Turbidity: AL / LL	NH3-N(In-situ): AL / LL	TSS : AL / LL	
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Sift curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
	Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	<input type="checkbox"/> Station at Upstream Location at ME	UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ)
<input type="checkbox"/> Upstream Control Station () exceeded AL/LL						
<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF		Upstream: () mg/L Downstream: () mg/L	Upstream: () mg/L Downstream: () mg/L	Upstream: () NTU Downstream: () NTU	Upstream: () mg/L Downstream: () mg/L	
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.	✓	✓			
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood: UIA (In-situ): 0.025 NH3-N: _____	DO (B): _____	Turbidity: _____			
Mid-Ebb: UIA (In-situ): 0.022 NH3-N: _____	DO (B): _____	Turbidity: _____				

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	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James Lam

Signature: *James Lam*

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: *Colin Yung*

Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

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NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

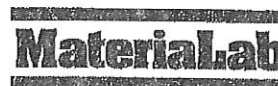
TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190730 /IM/SR4					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	30/07/2019					
Time: (hh:mm)	Mid-Flood: 16:04	Mid-Ebb: 12:59				
Monitoring Location:	SR4 – Tsuen Wan, WSD Flushing Water Intake					
Action Level / Limit Level:	DO (S&M): 2/2 mg/L;	NH3-N: <1/<1 mg/L ;				
	DO (B): 2/2 mg/L;	Turbidity: <10/<10 NTU;				
	Total Suspended Solids : <10/<10 mg/L	UIA : 0.021/0.021 mg/L				
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	Mid-Ebb:				
	UIA (In-situ): 0.028 AL / (L)	UIA (Lab): 0.025 AL / (L)	UIA (In-situ): 0.025 AL / (L)	UIA (Lab): 0.023 AL / (L)		
	Turbidity: _____ AL / LL	NH3-N(In-situ): _____ AL / LL	Turbidity: _____ AL / LL	NH3-N(In-situ): _____ AL / LL		
	E.coll : _____ AL / LL	TSS : _____ AL / LL	E.coll : _____ AL / LL	TSS : _____ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input checked="" type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		UIA (In-situ):	UIA (Lab):	Turbidity	TSS	
					E.coll	
		Findings / Evidences				
	<input type="checkbox"/> Station at Upstream Location at ME					
<input type="checkbox"/> Upstream Control Station () exceeded AL/LL						
<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L		
	Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L		
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.	✓	✓			
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	UIA (In-situ): 0.028	DO (B): _____	Turbidity: _____		
		NH3-N: _____				
	Mid-Ebb:	UIA (In-situ): 0.025	DO (B): _____	Turbidity: _____		
		NH3-N: _____				
	<input type="checkbox"/> _____ _____ _____ _____					

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Materialab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019**Notes:**

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NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

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- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190803 /IM/SR2					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	03/08/2019					
Time: (hh:mm)	Mid-Flood: 09:33	Mid-Ebb: 11:59				
Monitoring Location:	SR2 – Casam, Gazetted Beach					
Action Level / Limit Level:	DO (S&M): 4.68/4.62 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12/19 mg/L	NH3-N: 0.21/0.24 mg/L ; Turbidity: 10.8/15.0 NTU; UIA : 0.021/0.021 mg/L				
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	Mid-Ebb:				
	UIA (In-situ): 0.023 AL / (I)	UIA (Lab): 0.023 AL / (I)	UIA (In-situ): 0.025 AL / (I)	UIA (Lab): 0.025 AL / (I)		
	Turbidity: AL / LL	NH3-N(In-situ): 0.42 AL / (I)	Turbidity: AL / LL	NH3-N(In-situ): 0.41 AL / (I)		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ)	NH3-N (Lab)
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station () exceeded AL/LL					
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: () mg/L Downstream: () mg/L	Upstream: () mg/L Downstream: () mg/L	Upstream: () NTU Downstream: () NTU	Upstream: () mg/L Downstream: () mg/L	
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.	✓	✓	✓	✓	
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood: UIA (In-situ): 0.023 NH3-N: 0.42	DO (B): _____	Turbidity: _____			
Mid-Ebb: UIA (In-situ): 0.025 NH3-N: 0.41	DO (B): _____	Turbidity: _____				
<input type="checkbox"/> _____ _____ _____ _____						

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Materialab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James LamSignature: CyDate (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: ckDate (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

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DO (S&M) – Dissolved Oxygen (Surface & Middle)

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NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190803 /IM/SR3					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	03/08/2019					
Time: (hh:mm)	Mid-Flood: 9:19		Mid-Ebb: 12:15			
Monitoring Location:	SR3 - Approach, Gazetted Beach					
Action Level / Limit Level:	DO (S&M): 4.68/4.62 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12/19 mg/L		NH3-N: 0.21/0.24 mg/L ; Turbidity: 10.8/15.0 NTU; UIA : 0.021/0.021 mg/L			
Measured Level of exceeded parameters (tick / fill in / circle as appropriate)	Mid-Flood:			Mid-Ebb:		
	UIA (In-situ): 0.026 AL / (L)	UIA (Lab): 0.026 AL / (L)	UIA (In-situ): 0.032 AL / (L)	UIA (Lab): 0.032 AL / (L)	NH3-N(In-situ): 0.43 AL / (L)	NH3-N(In-situ): 0.44 AL / (L)
	Turbidity: AL / LL	NH3-N(Lab): 0.43 AL / (L)	TSS : AL / LL	NH3-N(Lab): 0.44 AL / (L)	TSS : AL / LL	TSS : AL / LL
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input checked="" type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	<input type="checkbox"/> Station at Upstream Location at ME	UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ)	NH3-N (Lab)
	<input type="checkbox"/> Upstream Control Station () exceeded AL/LL					
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: () mg/L	Upstream: () mg/L	Upstream: () NTU	Upstream: () mg/L	
	<input checked="" type="checkbox"/> No Dredging Works carried out.	Downstream: () mg/L	Downstream: () mg/L	Downstream: () NTU	Downstream: () mg/L	
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.					
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	UIA (In-situ): 0.026	NH3-N: 0.43	DO (B):	Turbidity:	
	Mid-Ebb:	UIA (In-situ): 0.032	NH3-N: 0.44	DO (B):	Turbidity:	
<input type="checkbox"/> _____ _____ _____ _____						

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MaterialLab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190803 /IM/SR4				
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel				
Date:	03/08/2019				
Time: (hh:mm)	Mid-Flood: 09:07	Mid-Ebb: 12:26			
Monitoring Location:	SR4 - Tsuen Wan, WSD Flushing Water Intake				
Action Level / Limit Level:	DO (S&M): 2/2 mg/L;	NH3-N: <1/<1 mg/L ;			
	DO (B): 2/2 mg/L;	Turbidity: <10/<10 NTU;			
	Total Suspended Solids : <10/<10 mg/L	UIA : 0.021/0.021 mg/L			
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	Mid-Ebb:			
	UIA (In-situ): 0.025 AL / (L)	UIA (Lab): 0.025 AL / (L)	UIA (In-situ): 0.033 AL / (L)	UIA (Lab): 0.033 AL / (L)	
	Turbidity: _____ AL / LL	NH3-N(In-situ): _____ AL / LL	Turbidity: _____ AL / LL	NH3-N(In-situ): _____ AL / LL	
	E.coli : _____ AL / LL	TSS : _____ AL / LL	E.coli : _____ AL / LL	TSS : _____ AL / LL	
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input checked="" type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____				
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		UIA (In-situ):	UIA (Lab):	Turbidity	E.coli
	Findings / Evidences				
	<input type="checkbox"/> Station at Upstream Location at ME				
	<input type="checkbox"/> Upstream Control Station () exceeded AL/LL				
<input type="checkbox"/> No increasing / decreasing (or DO) trend across the Project at MF	Upstream:	Upstream:	Upstream:	Upstream:	
	Downstream:	Downstream:	Downstream:	Downstream:	
<input checked="" type="checkbox"/> No Dredging Works carried out.					
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.	✓	✓		
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.				
	Mid-Flood:	UIA (In-situ): 0.025	DO (B): _____	Turbidity: _____	
		NH3-N: _____	_____	_____	
	Mid-Ebb:	UIA (In-situ): 0.033	DO (B): _____	Turbidity: _____	
	NH3-N: _____	_____	_____		
<input type="checkbox"/> _____ _____ _____ _____					

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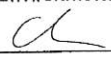
MaterialLab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

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DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

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NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190803 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	03/08/2019					
Time: (hh:mm)	Mid-Flood:	9:46	Mid-Ebb:	11:47		
Monitoring Location:	SR5 – Ma Wan FCZ					
Action Level / Limit Level:	DO (S&M): 5/5 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12 / 19 mg/L	DO (B): _____ AL / LL	Turbidity: 10.8/15.0 NTU; TIN 0.45/0.50 _(wet season) or 0.36/0.39 _(dry season) mg/L	TIN (In-situ): _____ AL / LL	TIN (Lab): _____ AL / LL	
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL	
	Turbidity: _____ AL / LL	TIN(In-situ): <u>0.56</u> AL / (L)	Turbidity: _____ AL / LL	TIN(In-situ): <u>0.55</u> AL / (L)	TSS : _____ AL / LL	
Action taken / to be taken; (tick / fill in as appropriate)	Inspection:					
	<input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL					
<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream:	_____ () mg/L	Upstream:	_____ () mg/L	Upstream:	_____ () NTU
	Downstream:	_____ () mg/L	Downstream:	_____ () mg/L	Downstream:	_____ () NTU
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.				✓	✓
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	DO (S&M): _____ TIN: <u>0.56</u>	DO (B): _____	Turbidity: _____	TIN (In-situ): _____	TIN (Lab): _____
	Mid-Ebb:	DO (S&M): _____ TIN: <u>0.55</u>	DO (B): _____	Turbidity: _____	TIN (In-situ): _____	TIN (Lab): _____
	<input type="checkbox"/> _____ _____ _____ _____					


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Materialab

	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

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NH₃-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH₃-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190803 /IM/SR12				
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel				
Date:	03/08/2019				
Time: (hh:mm)	Mid-Flood: 8:57	Mid-Ebb: 12:37			
Monitoring Location:	SR12 – Tsing Yi, WSD Flushing Water Intake				
Action Level / Limit Level:	DO (S&M): 2/2 mg/L; DO (B): 2/2 mg/L; Total Suspended Solids : <10/<10 mg/L	NH3-N: <1/<1 mg/L ; Turbidity: <10/<10 NTU;	UIA : 0.021/0.021 mg/L		
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:		
	UIA (In-situ): 0.033AL / (L)	UIA (Lab): 0.032AL / (L)	UIA (In-situ): 0.032AL / (L)	UIA (Lab): 0.031AL / (L)	
	Turbidity: _____ AL / LL	NH3-N(In-situ): _____ AL / LL	Turbidity: _____ AL / LL	NH3-N(In-situ): _____ AL / LL	
	NH3-N(Lab): _____ AL / LL	TSS : _____ AL / LL	NH3-N(Lab): _____ AL / LL	TSS : _____ AL / LL	
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input checked="" type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____				
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ): NH3 (Lab):
	Findings / Evidences				
	<input type="checkbox"/> Station at Upstream Location at ME				
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				
<input type="checkbox"/> No increasing / decreasing (or DO) trend across the Project at MF	Upstream: _____ () mg/L Downstream: _____ () mg/L	Upstream: _____ () mg/L Downstream: _____ () mg/L	Upstream: _____ () NTU Downstream: _____ () NTU	Upstream: _____ () mg/L Downstream: _____ () mg/L	
<input checked="" type="checkbox"/> No Dredging Works carried out.					
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.	✓	✓		
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.				
	Mid-Flood:	UIA (In-situ): 0.033	DO (B): _____	Turbidity: _____	_____
	Mid-Ebb:	UIA (In-situ): 0.032	DO (B): _____	Turbidity: _____	_____
		NH3-N: _____	_____	_____	_____
	<input type="checkbox"/> _____ _____ _____ _____				

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	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James Lam

Signature:

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

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NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190806 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	06/08/2019					
Time: (hh:mm)	Mid-Flood: 12:46		Mid-Ebb: 14:02			
Monitoring Location:	SR5 - Ma Wan FCZ					
Action Level / Limit Level:	DO (S&M): 5/5 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12 / 19 mg/L		Turbidity: 10.8/15.0 NTU; TIN : 0.45/0.50(wet season) or 0.36/0.39(dry season)mg/L			
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL		
	Turbidity: _____ AL / LL	TIN(In-situ): <u>0.90</u> AL / (L)	Turbidity: _____ AL / LL	TIN(In-situ): <u>0.85</u> AL / (L)		
	TIN(Lab): <u>0.89</u> AL / (L)	TSS : _____ AL / LL	TIN(Lab): <u>0.85</u> AL / (L)	TSS : _____ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input checked="" type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL					
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: _____ () mg/L Downstream: _____ () mg/L	Upstream: _____ () mg/L Downstream: _____ () mg/L	Upstream: _____ () NTU Downstream: _____ () NTU	Upstream: _____ () mg/L Downstream: _____ () mg/L	
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.					
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	DO (S&M): _____ TIN: <u>0.90</u>	DO (B): _____	Turbidity: _____		
	Mid-Ebb:	DO (S&M): _____ TIN: <u>0.85</u>	DO (B): _____	Turbidity: _____		
	<input type="checkbox"/> _____ _____ _____ _____					

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MaterialLab

	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019**Notes:**

- Abbreviation:

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DO (S&M) – Dissolved Oxygen (Surface & Middle)

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NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

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TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190806 /IM/SR12							
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel							
Date:	06/08/2019							
Time: (hh:mm)	Mid-Flood:	11:57	Mid-Ebb:	14:52				
Monitoring Location:	SR12 - Tsing Yi, WSD Flushing Water Intake							
Action Level / Limit Level:	DO (S&M):	2/2 mg/L;	NH3-N:	<1/<1 mg/L ;				
	DO (B):	2/2 mg/L;	Turbidity:	<10/<10 NTU;				
	Total Suspended Solids :	<10/<10 mg/L	UIA :	0.021/0.021 mg/L				
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	Mid-Ebb:						
	UIA (In-situ):	0.028 AL / (L)	UIA (Lab):	0.026 AL / (L)	UIA (In-situ):	0.026 AL / (L)	UIA (Lab):	0.026 AL / (L)
	Turbidity:	AL / LL	NH3-N(In-situ):	AL / LL	Turbidity:	AL / LL	NH3-N(In-situ):	AL / LL
	NH3-N(Lab):	AL / LL	TSS :	AL / LL	NH3-N(Lab):	AL / LL	TSS :	AL / LL
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____							
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	UIA (In-situ):		UIA (Lab):		Turbidity	NH3-N (In-situ):	NH3 (Lab):	
	Findings / Evidences							
	<input type="checkbox"/> Station at Upstream Location at ME							
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL							
<input type="checkbox"/> No increasing / decreasing (or DO) trend across the Project at MF	Upstream:	() mg/L	Upstream:	() mg/L	Upstream:	() NTU	Upstream:	() mg/L
	Downstream:	() mg/L	Downstream:	() mg/L	Downstream:	() NTU	Downstream:	() mg/L
<input checked="" type="checkbox"/> No Dredging Works carried out.								
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.		✓	✓				
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.							
	Mid-Flood:	UIA (In-situ):	0.028	DO (B):	_____	Turbidity:	_____	
	Mid-Ebb:	UIA (In-situ):	0.026	DO (B):	_____	Turbidity:	_____	
		NH3-N:	_____		_____		_____	
		NH3-N:	_____		_____		_____	
	<input type="checkbox"/> _____ _____ _____ _____							

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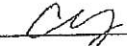
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MaterialLab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James Lam

Signature: 

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: 

Date (dd/mm/yy): 03/09/2019

Notes:

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DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190808 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	08/08/2019					
Time: (hh:mm)	Mid-Flood: 9:12		Mid-Ebb: 9:42			
Monitoring Location:	SR5 – Ma Wan FCZ					
Action Level / Limit Level:	DO (S&M): 5/5 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12 / 19 mg/L		Turbidity: 10.8/15.0 NTU; TIN : 0.45/0.50(wet season) or 0.36/0.39(dry season)mg/L			
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL		
	Turbidity: _____ AL / LL	TIN(In-situ): <u>0.78</u> AL / (L)	Turbidity: _____ AL / LL	TIN(In-situ): <u>0.74</u> AL / (L)		
	TIN(Lab): <u>0.78</u> AL / (L)	TSS : _____ AL / LL	TIN(Lab): <u>0.72</u> AL / (L)	TSS : _____ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input checked="" type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL.					
<input type="checkbox"/> No Increasing / decreasing (for DO) trend across the Project at MF	Upstream:	Upstream:	Upstream:	Upstream:		
	Downstream:	Downstream:	Downstream:	Downstream:		
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.				✓	✓
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done. Mid-Flood: DO (S&M): _____ DO (B): _____ Turbidity: _____ TIN: <u>0.78</u> : _____ Mid-Ebb: DO (S&M): _____ DO (B): _____ Turbidity: _____ TIN: <u>0.74</u> : _____ <input type="checkbox"/> _____ _____ _____ _____					

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Materialab

	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH₃-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH₃-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190810 /IM/SR3					
Project:	CVI/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	10/08/2019					
Time: (hh:mm)	Mid-Flood: 14:00		Mid-Ebb: 10:40			
Monitoring Location:	SR3 -Approach, Gazetted Beach					
Action Level / Limit Level:	DO (S&M): 4.68/4.62 mg/L;	NH3-N: 0.21/0.24 mg/L ;				
	DO (B): 4.11/4.04 mg/L;	Turbidity: 10.8/15.0 NTU;				
	TSS : 12/19 mg/L	UIA : 0.021/0.021 mg/L				
Measured Level of exceeded parameters (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	UIA (In-situ): _____ AL / LL	UIA (Lab): _____ AL / LL	UIA (In-situ): 0.022 AL / LL	UIA (Lab): 0.022 AL / LL		
	Turbidity: _____ AL / LL	NH3-N(In-situ): 0.24 AL / LL	Turbidity: _____ AL / LL	NH3-N(In-situ): 0.24 AL / LL		
	NH3-N(Lab): 0.24 AL / LL	TSS : _____ AL / LL	NH3-N(Lab): 0.24 AL / LL	TSS : _____ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	<input type="checkbox"/> Station at Upstream Location at ME	UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ)	NH3-N (Lab)
	<input type="checkbox"/> Upstream Control Station () exceeded AL/LL					
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L	
		Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L	
	<input checked="" type="checkbox"/> No Dredging Works carried out.					
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.					
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	UIA (In-situ): _____	DO (B): _____	Turbidity: _____		
		NH3-N: 0.24				
	Mid-Ebb:	UIA (In-situ): 0.022	DO (B): _____	Turbidity: _____		
	NH3-N: 0.24					
<input type="checkbox"/> _____ _____ _____ _____						

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MaterialLab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

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MF – Mid Flood

NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190810 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	10/08/2019					
Time: (hh:mm)	Mid-Flood: 13:02		Mid-Ebb: 11:39			
Monitoring Location:	SR5 – Ma Wan FCZ					
Action Level / Limit Level:	DO (S&M): 5/5 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12 / 19 mg/L		Turbidity: 10.8/15.0 NTU; TIN 0.45/0.50 _(wet season) or 0.36/0.39 _(dry season) mg/L			
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL	Turbidity: _____ AL / LL	
	Turbidity: _____ AL / LL	TIN(In-situ): <u>0.90</u> AL / <input checked="" type="checkbox"/> LL	Turbidity: _____ AL / LL	TIN(In-situ): <u>0.79</u> AL / <input checked="" type="checkbox"/> LL	TIN(Lab): _____ AL / LL	
	TIN(Lab): <u>0.87</u> AL / <input checked="" type="checkbox"/> LL	TSS : _____ AL / LL	TIN(Lab): <u>0.79</u> AL / <input checked="" type="checkbox"/> LL	TSS : _____ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input checked="" type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	
					TIN (Lab)	
		Findings / Evidences				
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL					
<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L		
	Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L		
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.			✓	✓	
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done. Mid-Flood: DO (S&M): _____ DO (B): _____ Turbidity: _____ TIN: <u>0.90</u> _____ Mid-Ebb: DO (S&M): _____ DO (B): _____ Turbidity: _____ TIN: <u>0.79</u> _____ <input type="checkbox"/> _____ _____ _____ _____					

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	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019**Notes:**

- Abbreviation:

AL – Action Level

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- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

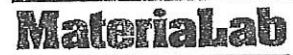
Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190813 /IM/SR5																																													
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel																																													
Date:	13/08/2019																																													
Time: (hh:mm)	Mid-Flood:	15:39	Mid-Ebb:	14:29																																										
Monitoring Location:	SR5 – Ma Wan FCZ																																													
Action Level / Limit Level:	DO (S&M): 5/5 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12 / 19 mg/L	Turbidity: 10.8/15.0 NTU; TIN : 0.45/0.50 (wet season) or 0.36/0.39 (dry season) mg/L																																												
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	DO (S&M): _____ AL / LL Turbidity: _____ AL / LL TIN(Lab): 1.47 AL / (L)	Mid-Ebb:	DO (S&M): _____ AL / LL Turbidity: _____ AL / LL TIN(Lab): 1.52 AL / (L)	DO (B): _____ AL / LL TIN(In-situ): 1.52 AL / (L) TSS : _____ AL / LL																																									
	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____																																													
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____																																													
	<table border="1"> <thead> <tr> <th></th> <th>DO(S&M)</th> <th>DO(B)</th> <th>Turbidity</th> <th>TIN (In-situ)</th> <th>TIN (Lab)</th> </tr> </thead> <tbody> <tr> <td align="center" colspan="6">Findings / Evidences</td> </tr> <tr> <td><input type="checkbox"/> Station at Upstream Location at ME</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2"><input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF</td> <td>Upstream:</td> <td>Upstream:</td> <td>Upstream:</td> <td>Upstream:</td> <td></td> </tr> <tr> <td>Downstream:</td> <td>Downstream:</td> <td>Downstream:</td> <td>Downstream:</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> No Dredging Works carried out.</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)	Findings / Evidences						<input type="checkbox"/> Station at Upstream Location at ME						<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL						<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream:	Upstream:	Upstream:	Upstream:		Downstream:	Downstream:	Downstream:	Downstream:		<input checked="" type="checkbox"/> No Dredging Works carried out.					
		DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)																																								
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Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.																																													
	Mid-Flood:	DO (S&M): _____ TIN: 1.52	DO (B): _____	Turbidity: _____																																										
	Mid-Ebb:	DO (S&M): _____ TIN: 1.55	DO (B): _____	Turbidity: _____																																										

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	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James Lam

Signature: *cy*

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: *cl*

Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

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NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

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TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

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TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190815 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and Its Approach Channel					
Date:	15/08/2019					
Time: (hh:mm)	Mid-Flood: 8:19		Mid-Ebb: 8:58			
Monitoring Location:	SR5 - Ma Wan FCZ					
Action Level / Limit Level:	DO (S&M): 5/5 mg/L;	DO (B): 4.11/4.04 mg/L;	Turbidity: 10.8/15.0 NTU;	TIN: 0.45/0.50 (wet season) or 0.36/0.39 (dry season) mg/L	TSS: 12 / 19 mg/L	
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL	DO (S&M): _____ AL / LL	DO (B): _____ AL / LL	TSS: _____ AL / LL	
	Turbidity: _____ AL / LL	TIN (In-situ): <u>0.79</u> AL / (L)	Turbidity: _____ AL / LL	TIN (In-situ): <u>0.78</u> AL / (L)	TIN (Lab): _____ AL / LL	
	TIN (Lab): <u>0.78</u> AL / (L)	TSS: _____ AL / LL	TIN (Lab): <u>0.77</u> AL / (L)	TSS: _____ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input type="checkbox"/> Silt curtain in proper condition <input checked="" type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL					
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L	
	Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L		
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.				✓	✓
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	DO (S&M): _____	DO (B): _____	Turbidity: _____	TIN: <u>0.79</u>	TSS: _____
	Mid-Ebb:	DO (S&M): _____	DO (B): _____	Turbidity: _____	TIN: <u>0.78</u>	TSS: _____
	<input type="checkbox"/> _____ _____ _____ _____					

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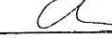
MaterialLab

	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH₃-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH₃-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

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- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190817 /IM/SR2					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and Its Approach Channel					
Date:	17/08/2019					
Time: (hh:mm)	Mid-Flood: 9:07	Mid-Ebb: 10:46				
Monitoring Location:	SR2 – Casam, Gazetted Beach					
Action Level / Limit Level:	DO (S&M): 4.68/4.62 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12/19 mg/L	NH3-N: 0.21/0.24 mg/L ; Turbidity: 10.8/15.0 NTU; UIA : 0.021/0.021 mg/L				
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	Mid-Ebb:				
	UIA (In-situ): 0.040 AL / (L)	UIA (Lab): 0.038 AL / (L)	UIA (In-situ): 0.042 AL / (L)	UIA (Lab): 0.042 AL / (L)		
	Turbidity: _____ AL / LL	NH3-N(In-situ): 0.43 AL / (L)	Turbidity: _____ AL / LL	NH3-N(In-situ): 0.44 AL / (L)		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ) NH3-N (Lab)	
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station () exceeded AL/LL					
<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream:	Upstream:	Upstream:	Upstream:		
	Downstream:	Downstream:	Downstream:	Downstream:		
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.	✓	✓	✓	✓	
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	UIA (In-situ): 0.040 NH3-N: 0.43	DO (B): _____	Turbidity: _____		
	Mid-Ebb:	UIA (In-situ): 0.042 NH3-N: 0.44	DO (B): _____	Turbidity: _____		

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MaterialLab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190817 /IM/SR3					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	17/08/2019					
Time: (hh:mm)	Mid-Flood: 8:34		Mid-Ebb: 11:29			
Monitoring Location:	SR3 - Approach, Gazetted Beach					
Action Level / Limit Level:	DO (S&M): 4.68/4.62 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12/19 mg/L		NH3-N: 0.21/0.24 mg/L ; Turbidity: 10.8/15.0 NTU; UIA : 0.021/0.021 mg/L			
Measured Level of exceeded parameters (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	UIA (In-situ): 0.040 AL / (L)	UIA (Lab): 0.039 AL / (L)	UIA (In-situ): 0.042 AL / (L)	UIA (Lab): 0.042 AL / (L)	NH3-N(In-situ): 0.41 AL / (L)	
	Turbidity: _____ AL / LL	NH3-N(In-situ): 0.44 AL / (L)	Turbidity: _____ AL / LL	NH3-N(Lab): 0.41 AL / (L)	TSS : _____ AL / LL	
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input type="checkbox"/> Silt curtain in proper condition <input checked="" type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	<input type="checkbox"/> Station at Upstream Location at ME	UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ)	NH3-N (Lab)
	<input type="checkbox"/> Upstream Control Station () exceeded AL/LL					
	<input type="checkbox"/> No Increasing / decreasing (for DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L	
	<input checked="" type="checkbox"/> No Dredging Works carried out.	Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L	
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.					
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	UIA (In-situ): 0.040	NH3-N: 0.44	DO (B): _____	Turbidity: _____	
Mid-Ebb:	UIA (In-situ): 0.042	NH3-N: 0.41	DO (B): _____	Turbidity: _____		

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	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James Lam

Signature: *JL*

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: *CY*

Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:
- AL – Action Level
- DO (B) – Dissolved Oxygen (Bottom)
- DO (S&M) – Dissolved Oxygen (Surface & Middle)
- LL – Limit Level
- ME – Mid Ebb
- MF – Mid Flood
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- NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)
- TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)
- TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)
- TSS – Total Suspended Solids
- Wet Season: April to October; Dry Season: November to March


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MaterialLab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

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NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190817 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	17/08/2019					
Time: (hh:mm)	Mid-Flood: 9:26	Mid-Ebb: 10:23				
Monitoring Location:	SR5 – Ma Wan FCZ					
Action Level / Limit Level:	DO (S&M): 5/5 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12 / 19 mg/L	Turbidity: 10.8/15.0 NTU; TIN : 0.45/0.50(wet season) or 0.36/0.39(dry season)mg/L				
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	Mid-Ebb:				
	DO (S&M): ___ AL / LL Turbidity: ___ AL / LL TIN(Lab): 0.78 AL / (L)	DO (B): ___ AL / LL TIN(in-situ): 0.80 AL / (L) TSS : ___ AL / LL	DO (S&M): ___ AL / LL Turbidity: ___ AL / LL TIN(Lab): 0.76 AL / (L)	DO (B): ___ AL / LL TIN(in-situ): 0.76 AL / (L) TSS : ___ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	
		Findings / Evidences				
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station (station) exceeded AL/LL					
<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream:	Upstream:	Upstream:	Upstream:		
	Downstream:	Downstream:	Downstream:	Downstream:		
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.			✓	✓	
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done. Mid-Flood: DO (S&M): _____ DO (B): _____ Turbidity: _____ TIN: 0.80 _____ Mid-Ebb: DO (S&M): _____ DO (B): _____ Turbidity: _____ TIN: 0.76 _____ <input type="checkbox"/> _____ _____ _____ _____					


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MaterialLab

	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH₃-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH₃-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190817 /IM/SR12					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	17/08/2019					
Time: (hh:mm)	Mid-Flood: 8:07	Mid-Ebb: 11:52				
Monitoring Location:	SR12 - Tsing Yi, WSD Flushing Water Intake					
Action Level / Limit Level:	DO (S&M): 2/2 mg/L;	NH3-N: <1/<1 mg/L ;				
	DO (B): 2/2 mg/L;	Turbidity: <10/<10 NTU;				
	Total Suspended Solids : <10/<10 mg/L	UIA : 0.021/0.021 mg/L				
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	Mid-Ebb:				
	UIA (In-situ): 0.034 AL / (L)	UIA (Lab): 0.035 AL / (L)	UIA (In-situ): 0.039 AL / (L)	UIA (Lab): 0.038 AL / (L)		
	Turbidity: _____ AL / LL	NH3-N(In-situ): _____ AL / LL	Turbidity: _____ AL / LL	NH3-N(In-situ): _____ AL / LL		
	NH3-N(Lab): _____ AL / LL	TSS : _____ AL / LL	NH3-N(Lab): _____ AL / LL	TSS : _____ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ): NH3 (Lab):	
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL					
	<input type="checkbox"/> No Increasing / decreasing (or DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L	
	Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L		
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.	✓	✓			
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood: UIA (In-situ): 0.034	DO (B): _____	Turbidity: _____			
	NH3-N: _____	DO (B): _____	Turbidity: _____			
	Mid-Ebb: UIA (In-situ): 0.039	DO (B): _____	Turbidity: _____			
	NH3-N: _____	DO (B): _____	Turbidity: _____			
	<input type="checkbox"/> _____ _____ _____ _____					

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Materialab

	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James LamSignature: Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190820 /IM/SR2							
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel							
Date:	20/08/2019							
Time: (hh:mm)	Mid-Flood:	12:44	Mid-Ebb:	11:12				
Monitoring Location:	SR2 – Casam, Gazetted Beach							
Action Level / Limit Level:	DO (S&M):	4.68/4.62 mg/L;	NH3-N:	0.21/0.24 mg/L ;				
	DO (B):	4.11/4.04 mg/L;	Turbidity:	10.8/15.0 NTU;				
	TSS :	12/19 mg/L	:	/ mg/L				
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	Mid-Ebb:						
	DO (S&M):	AL / LL	DO (B):	AL / LL	DO (S&M):	AL / LL	DO (B):	AL / LL
	Turbidity:	AL / LL	NH3-N(In-situ):	0.23 AL / LL	Turbidity:	AL / LL	NH3-N(In-situ):	0.23 AL / LL
	NH3-N(Lab):	0.23 AL / LL	:	AL / LL	NH3-N(Lab):	0.22 AL / LL	:	AL / LL
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____							
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		DO(S&M)	DO(B)	Turbidity	NH3-N (In-situ)	NH3-N (Lab)		
	Findings / Evidences							
	<input type="checkbox"/> Station at Upstream Location at ME							
	<input type="checkbox"/> Upstream Control Station () exceeded AL/LL							
<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream:	() mg/L	Upstream:	() mg/L	Upstream:	() NTU	Upstream:	() mg/L
	Downstream:	() mg/L	Downstream:	() mg/L	Downstream:	() NTU	Downstream:	() mg/L
<input checked="" type="checkbox"/> No Dredging Works carried out.								
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.							
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.							
	Mid-Flood:	DO (S&M):	_____	DO (B):	_____	Turbidity:	_____	_____
		NH3-N:	0.23	:	_____	:	_____	_____
	Mid-Ebb:	DO (S&M):	_____	DO (B):	_____	Turbidity:	_____	_____
	NH3-N:	0.23	:	_____	:	_____	_____	
<input type="checkbox"/> _____								

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	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James Lam

Signature:

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190820 /IM/SR3					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	20/08/2019					
Time: (hh:mm)	Mid-Flood: 13:13		Mid-Ebb: 10:40			
Monitoring Location:	SR3 -Approach, Gazetted Beach					
Action Level / Limit Level:	DO (S&M): 4.68/4.62 mg/L; DO (B): 4.11/4.04 mg/L; TSS : 12/19 mg/L		NH3-N: 0.21/0.24 mg/L ; Turbidity: 10.8/15.0 NTU; : / mg/L			
Measured Level of exceeded parameters (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	DO (S&M): AL / LL	DO (B): AL / LL	DO (S&M): AL / LL	DO (B): AL / LL		
	Turbidity: AL / LL	NH3-N(In-situ): 0.23 AL / LL	Turbidity: AL / LL	NH3-N(In-situ): 0.23 AL / LL		
	NH3-N(Lab): 0.24 AL / LL	TSS : AL / LL	NH3-N(Lab): 0.23 AL / LL	TSS : AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	<input type="checkbox"/> Station at Upstream Location at ME	DO(S&M)	DO(B)	Turbidity	NH3-N (In-situ)	NH3-N (Lab)
	<input type="checkbox"/> Upstream Control Station () exceeded AL/LL					
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: () mg/L	Upstream: () mg/L	Upstream: () NTU	Upstream: () mg/L	
	<input checked="" type="checkbox"/> No Dredging Works carried out.	Downstream: () mg/L	Downstream: () mg/L	Downstream: () NTU	Downstream: () mg/L	
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.					
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	DO (S&M):	DO (B):	Turbidity:		
	NH3-N:	0.23				
	Mid-Ebb:	DO (S&M):	DO (B):	Turbidity:		
	NH3-N:	0.23				

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	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James Lam

Signature:

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

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TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

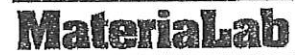
Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190820 /IM/SR5				
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel				
Date:	20/08/2019				
Time: (hh:mm)	Mid-Flood: 12:21		Mid-Ebb: 11:38		
Monitoring Location:	SR5 – Ma Wan FCZ				
Action Level / Limit Level:	DO (S&M): 5/5 mg/L;	DO (B): 4.11/4.04 mg/L;	Turbidity: 10.8/15.0 NTU;	TIN 0.45/0.50(wet season) or 0.36/0.39(dry season)mg/L	
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:		
	DO (S&M): AL / LL	DO (B): AL / LL	DO (S&M): AL / LL	DO (B): AL / LL	TIN(In-situ): 0.60AL / LL
Action taken / to be taken: (tick / fill in as appropriate)	Turbidity: AL / LL	TIN(In-situ): 0.63AL / LL	Turbidity: AL / LL	TIN(In-situ): 0.60AL / LL	
	TIN(Lab): 0.63AL / LL	TSS : AL / LL	TIN(Lab): 0.59AL / LL	TSS : AL / LL	
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	Inspection:				
	<input type="checkbox"/> Silt curtain in proper condition				
	<input type="checkbox"/> Dredging rate within accepted rate				
	<input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem.				
	<input type="checkbox"/> Others: _____				
Conclusion	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
	Findings / Evidences				
	<input type="checkbox"/> Station at Upstream Location at ME				
	<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: () mg/L	Upstream: () mg/L	Upstream: () NTU	Upstream: () mg/L
Remarks: (tick / fill in as appropriate)	Downstream: () mg/L	Downstream: () mg/L	Downstream: () NTU	Downstream: () mg/L	
	<input checked="" type="checkbox"/> No Dredging Works carried out.				
Remarks: (tick / fill in as appropriate)	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.			✓	✓
	Repeat In-situ measurement was done.				
Remarks: (tick / fill in as appropriate)	Mid-Flood: DO (S&M): _____	DO (B): _____	Turbidity: _____		
	TIN: 0.63	_____	_____		
Remarks: (tick / fill in as appropriate)	Mid-Ebb: DO (S&M): _____	DO (B): _____	Turbidity: _____		
	TIN: 0.60	_____	_____		
Remarks: (tick / fill in as appropriate)	<input type="checkbox"/> _____				

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	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James Lam

Signature:

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:
- AL – Action Level
- DO (B) – Dissolved Oxygen (Bottom)
- DO (S&M) – Dissolved Oxygen (Surface & Middle)
- LL – Limit Level
- ME – Mid Ebb
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- NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)
- NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)
- TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)
- TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)
- TSS – Total Suspended Solids
- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190820 /IM/SR12																																								
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel																																								
Date:	20/08/2019																																								
Time: (hh:mm)	Mid-Flood:	13:58	Mid-Ebb:	10:11																																					
Monitoring Location:	SR12 – Tsing Yi, WSD Flushing Water Intake																																								
Action Level / Limit Level:	DO (S&M):	2/2 mg/L;	NH3-N:	<1/<1 mg/L;																																					
	DO (B):	2/2 mg/L;	Turbidity:	<10/<10 NTU;																																					
	Total Suspended Solids :	<10/<10 mg/L	UIA :	0.021/0.021 mg/L																																					
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:			Mid-Ebb:																																					
	UIA (In-situ):	0.023AL / (L)	UIA (Lab):	0.023AL / (L)	UIA (In-situ): 0.023AL / (L) UIA (Lab): 0.023AL / (L)																																				
	Turbidity:	AL / LL	NH3-N(In-situ):	AL / LL	Turbidity: AL / LL NH3-N(In-situ): AL / LL																																				
	NH3-N(Lab):	AL / LL	TSS :	AL / LL	NH3-N(Lab): AL / LL TSS : AL / LL																																				
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____																																								
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	<table border="1"> <thead> <tr> <th></th> <th>UIA (In-situ):</th> <th>UIA (Lab):</th> <th>Turbidity</th> <th>NH3-N (In-situ):</th> <th>NH3 (Lab):</th> </tr> </thead> <tbody> <tr> <td align="center" colspan="6">Findings / Evidences</td> </tr> <tr> <td><input type="checkbox"/> Station at Upstream Location at ME</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> No increasing / decreasing (or DO) trend across the Project at MF</td> <td>Upstream: _____ ()mg/L Downstream: _____ ()mg/L</td> <td>Upstream: _____ ()mg/L Downstream: _____ ()mg/L</td> <td>Upstream: _____ ()NTU Downstream: _____ ()NTU</td> <td>Upstream: _____ ()mg/L Downstream: _____ ()mg/L</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> No Dredging Works carried out.</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ):	NH3 (Lab):	Findings / Evidences						<input type="checkbox"/> Station at Upstream Location at ME						<input type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL						<input type="checkbox"/> No increasing / decreasing (or DO) trend across the Project at MF	Upstream: _____ ()mg/L Downstream: _____ ()mg/L	Upstream: _____ ()mg/L Downstream: _____ ()mg/L	Upstream: _____ ()NTU Downstream: _____ ()NTU	Upstream: _____ ()mg/L Downstream: _____ ()mg/L		<input checked="" type="checkbox"/> No Dredging Works carried out.					
		UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ):	NH3 (Lab):																																			
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<input checked="" type="checkbox"/> No Dredging Works carried out.																																									
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related. <table border="1"> <tr> <td></td> <td align="center">✓</td> <td align="center">✓</td> <td></td> <td></td> <td></td> </tr> </table>						✓	✓																																	
	✓	✓																																							
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.																																								
	Mid-Flood:	UIA (In-situ):	0.023	DO (B):	_____																																				
		NH3-N:	_____	Turbidity:	_____																																				
	Mid-Ebb:	UIA (In-situ):	0.023	DO (B):	_____																																				
		NH3-N:	_____	Turbidity:	_____																																				
	<input type="checkbox"/> _____ _____ _____ _____																																								

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	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James Lam

Signature:

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

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TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190822 /IM/SR2					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	22/08/2019					
Time: (hh:mm)	Mid-Flood:	12:16	Mid-Ebb:	14:05		
Monitoring Location:	SR2 – Casam, Gazetted Beach					
Action Level / Limit Level:	DO (S&M):	4.68/4.62 mg/L;	NH3-N:	0.21/0.24 mg/L ;		
	DO (B):	4.11/4.04 mg/L;	Turbidity:	10.8/15.0 NTU;		
	TSS :	12/19 mg/L.	:	/ mg/L		
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	DO (S&M):	AL / LL	DO (B):	AL / LL	DO (S&M):	AL / LL
	Turbidity:	AL / LL	NH3-N(In-situ):	0.24 AL / LL	Turbidity:	AL / LL
	NH3-N(Lab):	0.23 AL / LL	:	AL / LL	NH3-N(Lab):	0.22 AL / LL
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		DO(S&M)	DO(B)	Turbidity	NH3-N (In-situ)	NH3-N (Lab)
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station () exceeded AL/LL					
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: () mg/L	Upstream: () mg/L	Upstream: () NTU	Upstream: () mg/L	
	Downstream: () mg/L	Downstream: () mg/L	Downstream: () NTU	Downstream: () mg/L		
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.				✓	✓
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	DO (S&M):	DO (B):	Turbidity:		
		NH3-N: 0.24	:	:		
Mid-Ebb:	DO (S&M):	DO (B):	Turbidity:			
		NH3-N: 0.22	:	:		
	<input type="checkbox"/> _____ _____ _____ _____					

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	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James Lam

Signature:

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

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NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

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TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190822 /IM/SR3					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	22/08/2019					
Time: (hh:mm)	Mid-Flood: 11:40		Mid-Ebb: 14:40			
Monitoring Location:	SR3 -Approach, Gazetted Beach					
Action Level / Limit Level:	DO (S&M): 4.68/4.62 mg/L;	NH3-N: 0.21/0.24 mg/L ;				
	DO (B): 4.11/4.04 mg/L;	Turbidity: 10.8/15.0 NTU;				
	TSS : 12/19 mg/L	UIA : 0.021/0.021 mg/L				
Measured Level of exceeded parameters (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	UIA (In-situ): _____ AL / LL	UIA (Lab): _____ AL / LL	UIA (In-situ): 0.022 AL / (L)	UIA (Lab): 0.022 AL / (L)		
	Turbidity: _____ AL / LL	NH3-N(In-situ): 0.22 (A) / LL	Turbidity: _____ AL / LL	NH3-N(In-situ): 0.22 (A) / LL		
	NH3-N(Lab): 0.23 (A) / LL	TSS : _____ AL / LL	NH3-N(Lab): 0.22 (A) / LL	TSS : _____ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	<input type="checkbox"/> Station at Upstream Location at ME	UIA (In-situ):	UIA (Lab):	Turbidity	NH3-N (In-situ)	NH3-N (Lab)
	<input type="checkbox"/> Upstream Control Station () exceeded AL/LL					
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L	
		Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L	
	<input checked="" type="checkbox"/> No Dredging Works carried out.					
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.					
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	UIA (In-situ): _____	DO (B): _____	Turbidity: _____		
		NH3-N: 0.22				
	Mid-Ebb:	UIA (In-situ): 0.022	DO (B): _____	Turbidity: _____		
		NH3-N: 0.22				
	<input type="checkbox"/> _____ _____ _____ _____ _____					

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	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James Lam

Signature:

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 03/09/2019

Notes:

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190822 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	22/08/2019					
Time: (hh:mm)	Mid-Flood:	12:34	Mid-Ebb:	13:44		
Monitoring Location:	SR5 – Ma Wan FCZ					
Action Level / Limit Level:	DO (S&M):	5/5 mg/L;	Turbidity:	10.8/15.0 NTU;		
	DO (B):	4.11/4.04 mg/L;	TIN	0.45/0.50 _(wet season) or 0.36/0.39 _(dry season) mg/L		
	TSS :	12 / 19 mg/L	:	/ / mg/L		
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	DO (S&M):	AL / LL	DO (B):	AL / LL	DO (S&M):	AL / LL
	Turbidity:	AL / LL	TIN(In-situ):	0.67 AL / (L)	Turbidity:	AL / LL
	TIN(Lab):	0.67 AL / (L)	TSS :	AL / LL	TIN(Lab):	0.66 AL / (L)
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)		DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input type="checkbox"/> Station at Upstream Location at ME					
	<input type="checkbox"/> Upstream Control Station (station or gradient) exceeded AL/LL					
	<input type="checkbox"/> No increasing / decreasing (for DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L	
	Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L		
<input checked="" type="checkbox"/> No Dredging Works carried out.						
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.			✓	✓	
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	DO (S&M):	DO (B):	Turbidity:		
		TIN:				
	Mid-Ebb:	DO (S&M):	DO (B):	Turbidity:		
	TIN:					
	<input type="checkbox"/> _____ _____ _____ _____ _____					

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	DO(S&M)	DO(B)	Turbidity	TIN (In-situ)	TIN (Lab)
Others					

Prepared by: James Lam

Signature:

Date (dd/mm/yyyy): 03/09/2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 03/09/2019

Notes:

- Abbreviation:

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**Interim Notification of Environmental Quality Limits Exceedances
Impact Water Quality Monitoring**

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20190822 /IM/SR12					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	22/08/2019					
Time: (hh:mm)	Mid-Flood:	11:16	Mid-Ebb:	15:07		
Monitoring Location:	SR12 – Tsing Yi, WSD Flushing Water Intake					
Action Level / Limit Level:	DO (S&M):	2/2 mg/L;	NH3-N:	<1/<1 mg/L ;		
	DO (B):	2/2 mg/L;	Turbidity:	<10/<10 NTU;		
	Total Suspended Solids :	<10/<10 mg/L	UIA :	0.021/0.021 mg/L		
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:			Mid-Ebb:		
	UIA (In-situ):	0.023AL / (L)	UIA (Lab):	0.026AL / (L)	UIA (In-situ):	0.024AL / (L)
	Turbidity:	AL / LL	NH3-N(In-situ):	AL / LL	Turbidity:	AL / LL
	NH3-N(Lab):	AL / LL	TSS :	AL / LL	NH3-N(Lab):	AL / LL
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input type="checkbox"/> Silt curtain in proper condition <input type="checkbox"/> Dredging rate within accepted rate <input checked="" type="checkbox"/> Monitoring equipment is checked and confirmed without problem. <input type="checkbox"/> Others: _____					
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	UIA (In-situ):					
	UIA (Lab):					
	Turbidity					
	NH3-N (In-situ):					
	NH3 (Lab):					
Findings / Evidences						
<input type="checkbox"/>	Station at Upstream Location at ME					
<input type="checkbox"/>	Upstream Control Station (or gradient station) exceeded AL/LL					
<input type="checkbox"/>	No increasing / decreasing (for DO) trend across the Project at MF	Upstream: _____ () mg/L	Upstream: _____ () mg/L	Upstream: _____ () NTU	Upstream: _____ () mg/L	
<input type="checkbox"/>	No Dredging Works carried out.	Downstream: _____ () mg/L	Downstream: _____ () mg/L	Downstream: _____ () NTU	Downstream: _____ () mg/L	
<input checked="" type="checkbox"/>	Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.	✓	✓			
Conclusion						
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.					
	Mid-Flood:	UIA (In-situ):	0.023	DO (B):	_____	
		NH3-N:	_____		_____	
	Mid-Ebb:	UIA (In-situ):	0.024	DO (B):	_____	
		NH3-N:	_____		_____	
<input type="checkbox"/>	_____					
<input type="checkbox"/>	_____					
<input type="checkbox"/>	_____					
<input type="checkbox"/>	_____					

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	DO(S&M)	DO(B)	Turbidity	NH3-N	
Others					

Prepared by: James Lam

Signature:

Date (dd/mm/yyyy): 03 / 09 / 2019

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 03 / 09 / 2019

Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&M) – Dissolved Oxygen (Surface & Middle)

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH3-N (In-situ) – Ammoniacal Nitrogen (In-situ results)

NH3-N (Lab) – Ammoniacal Nitrogen (Laboratory results)

TIN (In-situ) – Total Inorganic Nitrogen (In-situ results)

TIN (Lab) – Total Inorganic Nitrogen (Laboratory results)

TSS – Total Suspended Solids

- Wet Season: April to October; Dry Season: November to March

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Appendix J Environmental Mitigation Implementation Schedule

EIA Ref	EM&A Ref	No.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to Address	Who to implement the measure	Location of the measure	When to implement the measure?	Implementation Status
		A	Water Quality					
3.8	2.9		<u>Use of Silt Screens</u>	Minimize the effect of potential increase in SS levels at the seawater intakes	Contractor	WSD8, WSD9 and EMSD1	Construction Phase	
	A1	Silt Screens shall be installed at the flushing water intakes WSRs WSD1, WSD8, WSD9 and EMSD1 to minimise the effect of potential increase in SS levels at the seawater intakes.	Implemented					
3.8	2.9		<u>Use of Silt Curtains</u>	Minimize the release of suspended soil from the dredging area	Contractor	Construction Work Sites	Construction Phase	
	A2	To minimize the potential SS impact from dredging, deployment of silt curtains around the grab dredgers is recommended; and Before commencement of dredging works, the holder of the Environmental Permit shall submit detailed proposal of the design and arrangement of the frame type silt curtain to EPD for approval.	NA – No dredging was carried out					
3.10	2.9	A3	Water Quality Monitoring Program	Perform water quality monitoring at sensitive receivers during construction phase	ET	Monitoring Locations as stated in Table 2.1 of the EM&A Manual	Construction Phase	
			Water quality monitoring shall be carried out in accordance with Section 2 of the Environmental Monitoring and Audit (EM&A) Manual. Event and Action Plan (EAP) for water quality shall be followed in case of any exceedance in action and limit level.					Implemented
3.8 (EP Ref 3)	-		Dredging Operation	Minimize potential adverse effect as a result of dredging activities	Contractor	Construction Work Sites	Construction Phase	
	A4	Only two types of dredgers are allowed for this Project: (a) grab dredger with closed grab, and (b) cutter suction dredger spud pole grab dredger.	NA – No dredging was carried out					
	A5	The speed of any construction vessels shall not exceed 10 knots when passing through the area of the Project.	NA – No dredging was carried out					
	A6	No more than three two grab dredgers with closed grab (or one cutter suction dredger with two closed grab dredgers) shall be operated within the Project Area at any one time for the Project.	NA – No dredging was carried out					
	A7	Only one closed grab dredger or one cutter suction dredger shall be operated in Zone 2B and during which no other closed grab dredger shall be allowed in other zones within the Project Area.	NA – No dredging was carried out					
	A8	No more than one grab dredger with closed grab (or one cutter suction dredger) shall be operated within each of the five main zones at any one time for the Project in which the cutter suction dredger shall only be operated in Zones 2 and 4 with maximum dredging rate of 700 m ³ in 30 minutes in any given hour (max. 8,400 m ³ /day, based on a 12-hour operation per day).	NA – No dredging was carried out					
	A9	The maximum dredging rate for closed grab dredger at Rambler Channel – Zones 1 to 2 (subzones Z1A, Z1B, Z2A, Z2B and Z2C) shall follow the Dredging Plan for the Hotspot, as shown in EP-426/2011/A.	NA – No dredging was carried out					
	A10	The maximum dredging rate for closed grab dredger at Rambler Channel – Zones 3 to 4 (subzones Z3A to Z4B) shall not exceed 1,600 m ³ per day during dry season or 3,440 m ³ per day during wet season as shown in EP-426/2011/A.	NA – No dredging was carried out					
	A11	The maximum dredging rate for closed grab dredger at Rambler Channel –	NA – No					

EIA Ref	EM& A Ref	No.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to Address	Who to implement the measure	Location of the measure	When to implement the measure?	Implementation Status
			Zones 5 to 6 (subzones Z5A, Z5B and Z6A) shall not exceed 4,000 m ³ per day during both dry and wet seasons as shown in EP-426/2011/A.					dredging was carried out
		A12	The maximum dredging rate for closed grab dredger at Rambler Channel – Zones 5 to 8 (subzones Z5C, Z6B, Z6C, Z6D, Z7 and Z8) shall not exceed 4,000 m ³ per day during both dry and wet seasons as shown in EP-426/2011/A.					NA – No dredging was carried out
		A13	The maximum dredging rate for closed grab dredger at Northern Fairway – Zones 9 to 12 shall not exceed 4,000 m ³ per day during both dry and wet seasons as shown in EP-426/2011/A.					NA – No dredging was carried out
		A14	The maximum dredging rate for closed grab dredger at Western Fairway – Zone 13A shall not exceed 4,000 m ³ per day during both dry and wet seasons as shown in EP-426/2011/A.					NA – No dredging was carried out
		A15	The maximum dredging rate for closed grab dredger at Western Fairway – Zone 13B shall not exceed 4,000 m ³ per day during both dry and wet seasons as shown in EP-426/2011/A.					NA – No dredging was carried out
		A16	The dredging pump of cutter suction dredger shall be operated during cutting to reduce the sediment loss to water body.					NA-no CSD employed
		A17	Project dredging works within Zone 1 to 6 (including sub-zones) of the Container Basin shall not be carried out at the same time with Terminal Operator's maintenance dredging activities.					NA-No Terminal Operator's maintenance dredging carried out
		A18	Cutter suction dredger is only to be deployed for the removal of harder material during daytime only (07:00 to 19:00) in Zone 2 (including subzones) of the Container Basin.					NA-no CSD employed
		A19	In case of rainstorm warning in effect during dredging works, the dredged material on barge shall be covered properly before transportation to disposal site.					NA – No dredging was carried out
		A20	In case of exceedance of SS and NH ₃ -N at the Tsing Yi WSD flushing intake due to dredging operation is evidenced, the Contractor shall propose mitigation measures not limited to reducing dredging rate. If exceedance persists, the Contractor shall propose not to undertake dredging operation in close proximity to the Tsing Yi flushing water intake during flood tide. The Contractor shall liaise with the ETL, IEC, ER, EPD and WSD for the proposed mitigation measures.					NA-no exceedance due to dredging operation
		A21	If further mitigation measures are required due to continuous exceedance of SS and NH ₃ -N, consideration shall then be given to dredge only on the state of the tide which would avoid migration of SS towards the WSD and EMSD intakes.					NA-no exceedance due to dredging operation
		A22	Dredging sub-zone Z2B where high NH ₃ -N in sediment is found shall be isolated with dredging works to be carried out towards the end of construction programme.					Implemented
		A23	Administrative control in terms of dredging rate adjustment in controlling the release of contaminants shall be employed as mitigation measures.					NA – No dredging was carried out
		A24	Field trials shall be carried out to propose the most effective dredging					Implemented

EIA Ref	EM& A Ref	No.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to Address	Who to implement the measure	Location of the measure	When to implement the measure?	Implementation Status
			process and rate to control the release of ammoniacal nitrogen and UIA into the water column and achieve compliance at the WSD1 seawater intake (NH ₃ -N) and at the beaches for UIA. Capital dredging works in dredging sub-zone Z2B (Figure 1.2h refers) should not therefore be carried out until the proposed method and rate are confirmed.					
		A25	Detailed dredging plan shall be prepared providing details of individual dredging subzones and dredging rate taking into account of the field trial results.					Implemented
3.8	-		Other Good Site Practices for Dredging	Minimize potential adverse effect as a result of dredging activities	Contractor	Construction Work Sites	Construction Phase	
		A26	All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash.					Implemented
		A27	The speed of all Contractor's vessels should be controlled within the works area to prevent propeller wash from stirring up the seabed sediments.					Implemented
		A28	All barges / dredgers used should be fitted with tight fitting seals to their bottom openings to prevent leakage of material.					Implemented
		A29	Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site or dumping grounds.					Implemented
		A30	No overflow of dredged mud should be allowed. Barges or hopper should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation.					Implemented
		B	Waste Management					
			<u>Good Site Practices</u>	Minimize potential adverse effect arising from the handling of dredged material	Contractor	Construction Work Sites (General)	Construction Phase	
4.5	3.3	B1	Obtain the profile of different sediment categories and careful planning of sediment removal.					Implemented
		B2	Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site.					Implemented
		B3	Training of site personnel in proper waste management and chemical handling procedures.					Implemented
		B4	Provision of sufficient waste disposal points and regular collection of waste.					Implemented
		B5	Well planned delivery programme for offsite disposal such that adverse environmental impact from transporting sediment material is not anticipated.					Implemented
		B6	Use well maintained PME on site.					Implemented
			<u>General Refuse</u>	Minimize the adverse effect arising from the handling of site general refuse	Contractor	Construction Work Sites (General)	Construction Phase	
4.5	3.3	B7	General refuse should be stored in enclosed bins. A reputable waste collector should be employed by the contractor to remove general refuse from the site.					Implemented
			<u>Chemical Waste</u>	Minimize the adverse effect arising from the handling of site chemical waste	Contractor	Construction Work Site	Construction Phase	
4.5	3.3	B8	If chemical wastes are produced at the construction site, the Contractor shall be required to register with the EPD as a chemical waste producer and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers					Implemented

EIA Ref	EM& A Ref	No.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to Address	Who to implement the measure	Location of the measure	When to implement the measure?	Implementation Status
			compatible with the chemical wastes shall be used, and incompatible chemicals should be stored separately. Appropriate labels shall be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall use a licensed collector to transport and dispose of the chemical wastes, to either the approved Chemical Waste Treatment Centre, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.					
4.5	3.3		Marine Dredged Sediment	Control of transportation and disposal of dredged material in a manner to minimize potential impacts on water quality	Contractor	Construction Work Site	Construction Phase	
		B9	Control of transportation and disposal of dredged material in a manner to minimize potential impacts on water quality.					Implemented
		B10	Bottom opening of barges will be fitted with tight fitting seals to prevent leakage of material. Excess material shall be cleaned from the decks and exposed fittings of barges and dredgers before the vessel is moved.					Implemented
		B11	Monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by the EPD.					Implemented
		B12	Barges or hopper barges shall not be filled to a level that would cause the overflow of materials or sediment laden water during loading or transportation.					Implemented
		B13	Sediment Quality Report shall be prepared and submit to EPD under DASO.					Implemented
		B14	If disposal of Type 3 sediment is identified, agreement with EPD shall be reached regarding the treatment of sediment before disposal.					NA – no type 3 material disposed
		B15	Project works shall not be carried out before obtaining confirmation from MFC on disposal option.					Implemented
		B16	Follow strictly all conditions stipulated in the dumping permit.					Implemented
		C	Marine Ecology	Review and assess the potential adverse effect on marine ecology	Contractor	Construction Work Sites	Construction Phase	
5.7	4.1	C1	Water quality monitoring results shall be reviewed from time to time to assess if there were any impact to marine ecology due to dredging operation.					Implemented
		D	Fisheries	Review and assess the potential adverse effect on fisheries	Contractor	Construction Work Sites	Construction Phase	
6.7	5.1	D1	Water quality monitoring results shall be reviewed from time to time to assess if there were any impact to fisheries due to dredging operation.					Implemented
		E	Hazard to Life		Contractor	Construction Work Sites (General)	Construction Phase	
7.8.2	6.2	E1	Sound communication channel shall be established with the oil companies, Marine Department, and Fire Services Department for effective notification and emergency evacuation in case of accidents.					Implemented
		E2	Proper safety and emergency training shall be given to the relevant operation staff at the dredging site. Emergency plans and procedures should be prepared and drills should be performed periodically.					Implemented
		F	Landscape Visual and Glare	Minimize landscape and visual impacts during construction	Contractor	Construction activities' area	Throughout design, construction	
8.9	7.2	F1	Visa shields to the lights of dredgers shall be provided.					Implemented
Table		F2	The light source shall not point directly to any VSRs.					Implemented

EIA Ref	EM& A Ref	No.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to Address	Who to implement the measure	Location of the measure	When to implement the measure?	Implementation Status
8-3 & 8-6		F3	Lights shall be switched off if they are not in use.	phase			phase	Implemented
		G	Cultural Heritage					
9.5	8		<u>Monitoring Brief</u>	Minimize potential marine archaeological impact during dredging activities	Contractor	Locations of the 20 unidentified sonar contacts and masked areas	During Construction works	
		G1	A monitoring brief shall be conducted during the dredging. It shall only be required during dredging at the locations of the 20 unidentified sonar contacts and masked areas and does not need to cover all of the dredging activities. Dredging staff should be briefed about the possibility of locating archaeological objects and a marine archaeologist shall be available to monitor the dredged spoil and provide advice. If material indicative of archaeological remains is retrieved, the AMO should be contacted as soon as possible.					NA- no archaeological deposit was found during reporting period.
		H	Noise					
10.8	9		<u>Good Site Practices</u>	Control and minimize the generation of undue noise nuisance	Contractor	Construction Work Sites (Along the alignment of dredging)	Construction Phase	
		H1	Only well-maintained plant shall be operated on-site and plant should be serviced regularly during the construction program.					Implemented
		H2	Machines and plant that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum.					Implemented
		H3	Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from nearby NSRs.					Implemented
		H4	If dredging is to be carried out during restricted hours, work locations close to NSRs shall be avoided.					Implemented
		I	Construction Dust					
11.7	10		<u>Dust Control</u>	Good site practice to control dust and odour impact to the nearby sensitive receivers	Contractor	Construction Work Sites (General)	Construction Phase	
		I1	Requirements of the Air Pollution Control (Construction Dust) Regulation, where relevant, shall be adhered to during the construction period.					Implemented
			<u>Odour</u>		Contractor	Construction Work Sites (General)	Construction Phase	
		I2	To minimize potential odour emissions, if dredged sediment is anticipated to be placed on barge for more than a day the load shall be properly covered as far as practicable to minimise the exposed area and potential odour.	NA-no work in such condition				
		I3	If dredged sediment is found to be malodorous it shall be removed from site as soon as possible within one hour after the barge being filled up.					NA-no work in such condition

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Appendix K Waste Generation in Reporting Period

Name of Department : Civil Engineering and Development Department
 Contract No. : CV/2013/04

Monthly Summary Waste Flow Table for 2019 (year)

Year	Actual Quantities of Inert C&D Materials Generated Monthly					Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Broken Concrete (see Note 3)	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Metals	Paper/cardboard packaging	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse
	(in '000 m ³)	(in '000 m ³)	(in '000 m ³)	(in '000 m ³)	(in '000 m ³)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 m ³)
2019										
Jan	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
Feb	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
Mar	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
Apr	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
May	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
Jun	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
Jul	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
Aug	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
Sep										
Oct										
Nov										
Dec										
Total	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil

Notes:

- (1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.
- (3) Broken concrete for recycling into aggregates

Monthly Summary of Sediment Disposal (2019)

Marine Sediment Type	Type 1 – Open Sea Disposal	Type 2 – Confined Marine Disposal	Type 3 – Special Treatment / Disposal
Month	Quantity (m ³)	Quantity (m ³)	Quantity (m ³)
2014			
Jan-Dec	549,430	99,660	nil
2015			
Jan-Dec	938,560	372,370	nil
2016			
Jan-Dec	195,860	153,250	1,260
2017			
Jan-Dec	1,850	28,550	nil
2018			
Jan-Dec	nil	nil	nil
2019			
January	nil	nil	nil
February	nil	nil	nil
March	nil	600	nil
April	nil	nil	nil
May	nil	nil	nil
June	nil	nil	nil
July	nil	nil	nil
August	nil	nil	nil
Total	1,685,700	654,130	1,260

Yearly Summary Waste Flow Table

Year	Estimated Annual Quantities of Inert C&D Materials (in '000m ³)										Estimated Annual of C&D Wastes									
	Total Quantity Generated		Broken Concrete (see Note 3)		Reused in the Contract		Reused in other Projects		Disposed as Public Fill		Metals		Paper/cardboard packaging		Plastics (see Note 2)		Chemical Waste		Others, e.g. general refuse	
	(a)		(b)		(c)		(d)		(a-b-c-d)		(in '000 kg)		(in '000 kg)		(in '000 kg)		(in '000 kg)		(in '000 m ³)	
	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.
2013	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.003	0.01
2014	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.2	0.16
2015	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	13	14.4	0.2	0.12
2016	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	17	Nil	0.2	0.12
2017	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	10	Nil	0.15	0.12
2018	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020																				
2021																				
Grand Total	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	40	14.4	0.753	0.53

Notes:

- (1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
- (3) Broken concrete for recycling into aggregates.

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Appendix L Weather Conditions for the Reporting Month

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Date	Air Temperature			Mean Relative Humidity (%)	Total Rainfall (mm)
	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)		
July 2019					
23	32.7	29.5	27.2	80	Trace
24	33.1	30	28.4	81	Trace
25	32.6	30.1	28.3	79	1
26	33.5	30.7	28.8	76	Trace
27	33.3	30.6	29	76	0
28	32.3	29.6	28	80	0.5
29	31.4	28.8	27.4	82	1
30	31.5	28.9	26.7	82	12.8
31	28.1	26.2	24.5	91	121.1
August 2019					
1	27.6	26.4	24.9	94	98.3
2	28.5	27	25.4	91	8.2
3	27.5	26.7	25.3	91	28.4
4	30.2	27.9	26.9	83	Trace
5	34.5	29.7	26.5	77	0
6	32.2	29.8	28.7	78	Trace
7	33.6	30.1	28	70	0
8	33.5	30.4	27.7	74	0
9	35.1	31.3	28.1	75	0
10	33.2	30.6	29.4	83	0
11	32.7	30.4	29.2	82	1.1
12	34	30.8	29.2	80	0.4
13	33.3	30.8	28.8	79	9.2
14	33.4	30	25.2	80	54.4
15	32.4	30	26.5	79	5.6
16	32	30	27.6	81	1.1
17	30.1	28	25.9	87	42.2
18	31.6	27.8	25	86	19
19	31.8	28.8	26.8	83	0.1
20	31.7	29.1	28	79	Trace
21	32.8	29.5	27.6	74	0
22	33	29.7	27.5	77	0

Source: Hong Kong Observatory

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Rainstorm Warning Signals

Color	Start Time		End Time		Duration hh mm
	hh mm	dd/mon/yyyy	hh mm	dd/mon/yyyy	
Amber	11:55	31-Jul-19	14:35	31-Jul-19	02 40
Amber	17:30	31-Jul-19	20:00	31-Jul-19	02 30
Red	20:00	31-Jul-19	21:30	31-Jul-19	01 30
Amber	7:25	1-Aug-19	21:00	1-Aug-19	13 35
Amber	3:25	2-Aug-19	4:40	2-Aug-19	01 15
Amber	4:45	14-Aug-19	6:10	14-Aug-19	01 25
Amber	11:15	17-Aug-19	12:30	17-Aug-19	01 15

Source: Hong Kong Observatory

Thunderstorm Warning

Start Time		End Time		Duration hh mm
hh mm	dd/mon/yyyy	hh mm	dd/mon/yyyy	
4:20	23-Jul-19	7:35	23-Jul-19	03 15
7:15	28-Jul-19	11:00	28-Jul-19	03 45
13:30	28-Jul-19	16:00	28-Jul-19	02 30
5:00	29-Jul-19	10:30	29-Jul-19	05 30
14:20	29-Jul-19	15:00	29-Jul-19	00 40
17:25	29-Jul-19	18:30	29-Jul-19	01 05
5:25	30-Jul-19	11:15	30-Jul-19	05 50
19:25	30-Jul-19	20:30	30-Jul-19	01 05
21:25	30-Jul-19	2:00	31-Jul-19	04 35
3:45	31-Jul-19	15:00	31-Jul-19	11 15
18:45	31-Jul-19	22:45	31-Jul-19	04 00
6:15	1-Aug-19	5:30	2-Aug-19	23 15
6:25	2-Aug-19	9:30	2-Aug-19	03 05
6:30	3-Aug-19	9:45	3-Aug-19	03 15
12:45	6-Aug-19	14:45	6-Aug-19	02 00
20:50	8-Aug-19	23:00	8-Aug-19	02 10
1:55	10-Aug-19	5:00	10-Aug-19	03 05
16:45	10-Aug-19	18:25	10-Aug-19	01 40
3:10	11-Aug-19	5:15	11-Aug-19	02 05
4:20	12-Aug-19	6:30	12-Aug-19	02 10

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Report No.: 0394/13/ED/0381A

Start Time		End Time		Duration hh mm
hh mm	dd/mon/yyyy	hh mm	dd/mon/yyyy	
13:15	12-Aug-19	14:30	12-Aug-19	01 15
15:50	12-Aug-19	19:00	12-Aug-19	03 10
4:15	14-Aug-19	6:15	14-Aug-19	02 00
18:00	14-Aug-19	19:15	14-Aug-19	01 15
6:38	15-Aug-19	7:30	15-Aug-19	00 52
14:30	15-Aug-19	15:50	15-Aug-19	01 20
3:25	16-Aug-19	6:45	16-Aug-19	03 20
11:25	16-Aug-19	17:30	16-Aug-19	06 05
19:10	16-Aug-19	20:15	16-Aug-19	01 05
21:10	16-Aug-19	1:00	17-Aug-19	03 50
5:35	17-Aug-19	14:00	17-Aug-19	08 25
14:50	17-Aug-19	17:00	17-Aug-19	02 10
11:05	18-Aug-19	18:30	18-Aug-19	07 25
12:45	19-Aug-19	13:45	19-Aug-19	01 00

Source: Hong Kong Observatory

Tropical Cyclone Warning Signals

Intensity	Name	Signal	Start Time		End Time		Duration hh mm
			hh mm	dd/mon/yyyy	hh mm	dd/mon/yyyy	
Tropical Storm	WIPHA	1	15:40	30-Jul-19	21:15	30-Jul-19	05 35
Tropical Storm	WIPHA	3	21:15	30-Jul-19	13:40	31-Jul-19	16 25
Tropical Storm	WIPHA	8 NE	13:40	31-Jul-19	23:40	31-Jul-19	10 00
Tropical Storm	WIPHA	3	23:40	31-Jul-19	19:20	1-Aug-19	19 40
Tropical Storm	WIPHA	1	19:20	1-Aug-19	8:40	2-Aug-19	13 20

Source: Hong Kong Observatory

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Report No.: 0394/13/ED/0381A

Appendix M

Proposal of Scale down for the Water Quality Monitoring Stations during High Spots Removal at Sub-zone Z2B1, Z2B2 and Z2C1

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Proposal of Scale down for the Water Quality Monitoring Stations during High Spots Removal at Sub-zone Z2B1, Z2B2 and Z2C1

Client : China International Water & Electric Corporation

Project: Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel – CV/2013/04

Report No.: 0394/13/ED/0370G

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FIGURES

- Figure 1** Predicted High Spots Location and Expected Volume
Figure 2 Locations of Water Quality Monitoring Stations

ANNEX

- Annex A** Statistical Analysis of Reviewed Impact Monitoring Stations



1. INTRODUCTION

- 1.1 In order to provide sufficient depth of container basin and approach channel to Kwai Tsing Container Terminal (KTCT) for the safe navigation of Ultra Large Container Ships (ULCS), Environmental Permit (EP) No. EP-426/2011/A, was approved to commission the dredging works of approximately 4.0 million cubic metres of sediment from the seabed of Kwai Tsing Container Basin, as well as portions of Northern Fairway and Western Fairway (hereafter referred to as the "Project"). The project proponent was the Civil Engineering & Development Department, HKSAR (CEDD). China International Water & Electric Corporation Limited (CIWE) was appointed as the main Contractor for the aforesaid dredging works under CEDD Contract No. CV/2013/04 (hereafter referred to as the "Contract")
- 1.2 The dredging works was commenced on 23 April 2014. All dredging works under this Contract of the construction phase, included removal of hard materials in sub-zones Z2B1, Z2B2, Z2C1, Z2A1, Z2A2, Z2A3 and Z4A and the dredging works in Hotspot area and its buffer area in sub-zones Z2B1 and Z2B2 was substantially completed on 21 November 2017. The environmental monitoring and audit (EM&A) works of this Project was carried out in accordance with the EM&A Manual requirements in the Environmental Permit (EP) No. EP-426/2011/A, EM&A Manual (AEIAR-156/2010) and EM&A TIN (EPD Letter Ref: (34) in Ax(1) to EP2/N3/C/57Pt.7)). A final EM&A report was prepared in December 2017 and the EM&A programme for the Construction Phase was substantially completed in December 2017.
- 1.3 However, according to the Contractor, a hydrographic survey was conducted by the Marine Department during late 2017 and early 2018. The survey result showed that approximately 5200 m³ (in-situ volume) of high spots was discovered at Z2B1, Z2B2 and Z2C1. There may also be some other high spots discovered in "Portion B" (i.e. sub-zones Z5A, Z5B, Z5C, Z6A, Z6B, Z6C, Z6D, Z7 and Z8 stated in the EP-426/2011/A), which the location area and the volumes are still under review. Due to the aforementioned defect, CEDD appointed CIWE to resume the dredging programme for this Contract. This proposal covers construction phase dredging works for high spots removal in Portion A only.

2. PURPOSE OF THIS PROPOSAL

- 2.1 According to the Contractor, the scale of the upcoming dredging works of high spots at Z2B1, Z2B2 and Z2C1 will be approximately 5200 m³ (in-situ volume) in total, which is far below than the dredging scale which was mentioned in the EP, in which daily maximum dredging rate is 400 m³/ day, 950 m³/ day and 850 m³/ day at Z2B1, Z2B2 and Z2C1 respectively in dry season and 800 m³/ day, 1450 m³/ day and 1550 m³/ day respectively in wet season. In addition, based on the survey conducted in the approved EIA report and the previous survey done by the Contractor, the profile of sediment will be expected to be consisted of hard material, i.e. hard alluvium and rock, as such the formation rate of the sediment plume will be expected lower than the EIA prediction.
- 2.2 In accordance with Section 2.1.4 of the EM&A Manual, ET Leader shall propose updated monitoring locations and seek approval from the IEC and EPD in any case that the status and locations of water sensitive receivers and the marine activities may change. Based on the above reasons, Fugro Technical Services Limited (FTS) is appointed to propose a further reduction of some of the water quality monitoring stations after



resuming the marine construction works at Z2B1, Z2B2 and Z2C1 for this Contract. The predicted high spots locations and its expected volume are given in **Figure 1**.

2.3 This proposal will cover the prediction of water quality impact after resuming the marine construction works at Z2B1, Z2B2 and Z2C1 for this Contract, the proposed water quality monitoring programme, includes the changes of water monitoring stations and the rationales for the changes.

3. METHODOLOGY OF REVIEW

3.1 As aforementioned dredging works of high spots are only carried out at Subzones at Z2B1, Z2B2 and Z2C1. Sensitive receivers with farther distance from Z2B1, Z2B2 and Z2C1 would be expected to have less Project impact. With such assumption, the impact on SR2 and SR3 will be reviewed in this proposal. Though SR5 (Ma Wan, Fish Culture Zone) is the farthest existing sensitive receiver from Z2B1, Z2B2 and Z2C1, it will not be covered in this review study. The detailed information of the reviewed impact monitoring stations is summarized in **Table 3.1**. The locations of the reviewed impact monitoring stations are shown in **Figure 2**.

Table 3.1 Locations of Reviewed Impact Monitoring Stations

Water Monitoring Station		Easting	Northing
SR2	Casam, Gazetted Beach	825723.225	825334.784
SR3	Approach, Gazetted Beach	826960.152	825260.726

3.2 The review of this proposal is based on comparison of the past data in routine impact water quality monitoring which dredging works were involved at Z2B1, Z2B2 and Z2C1 (including the monitoring data of dredging works in Hotspot area and its buffer area, i.e. Sub-zones Z2B1 and Z2B2 stated in the EP-426/2011/A) (hereinafter referred to as “Data with Dredging”) with those data that no dredging works were carried out at any zones under the Project (hereinafter referred to as “Data with No Dredging”). Dates of monitoring data used for analysis are shown in **Table 3.2**. Data including dissolved oxygen (surface & middle) (DO (S&M)), dissolved oxygen (bottom) (DO (B)), turbidity, total suspended solids (SS), ammoniacal nitrogen (NH3-N) (In-situ) and (Lab), unionized ammonia (UIA) (In-situ) and (Lab) in SR2 and SR3 were compared separately in two seasons: dry season and wet season.

Table 3.2 Period of Monitoring Data Used for Analysis

Mode of Monitoring Data	Impact Station for Analysis	Parameter for Analysis	Season^	Dates of Data Used for Analysis	No. of Date of Data
#With Dredging	SR2 & SR3	DO (S&M), DO (B), Turbidity, SS, NH3-N (In-situ), NH3-N (Lab), UIA (In-situ), UIA (Lab)	Dry	2015: 21 Nov, 24 Dec 2016: 9 Jan 2017: 25 Feb, 4 Nov, 21 Nov	6



Mode of Monitoring Data	Impact Station for Analysis	Parameter for Analysis	Season [^]	Dates of Data Used for Analysis	No. of Date of Data
			Wet	2015: 2 Jun, 3 Sep, 12 Sep, 26 Sep, 6 Oct 2016: 16 Apr, 4 Jun, 18 Jun, 2 Jul, 9 Jul, 12 Jul 2017: 20 Apr, 29 Apr, 6 May, 11 May, 25 May, 15 Jun, 17 Jun, 29 Jun, 1 Jul, 11 Jul, 18 Jul, 20 Jul, 1 Aug, 3 Aug, 10 Aug, 7 Sep, 21 Sep, 23 Sep, 28 Sep, 12 Oct, 19 Oct, 21 Oct, 26 Oct, 28 Oct, 31 Oct	36
			Dry	2015: 26 Dec, 29 Dec, 31 Dec 2016: 12 Jan, 14 Jan, 26 Mar, 29 Mar, 24 Dec, 27 Dec, 31 Dec 2017: 3 Jan, 7 Jan, 10 Jan, 14 Jan, 17 Jan, 19 Jan, 21 Jan, 23 Jan, 25 Jan, 27 Jan, 31 Jan, 2 Feb, 4 Feb, 7 Feb, 9 Feb, 11 Feb, 14 Feb, 16 Feb, 18 Feb, 21 Feb, 23 Feb, 28 Feb, 2 Mar, 4 Mar, 7 Mar, 9 Mar, 11 Mar, 14 Mar, 16 Mar, 18 Mar, 21 Mar, 23 Mar, 25 Mar, 28 Mar, 30 Mar, 2 Nov, 7 Nov, 9 Nov, 11 Nov, 14 Nov, 16 Nov, 18 Nov	52
With No Dredging	SR2 & SR3	DO (S&M), DO (B), Turbidity, SS, NH3-N (In-situ), NH3-N (Lab), UIA (In-situ), UIA (Lab)	Wet	2015: 4 Jun, 11 Jun, 14 Jul, 16 Jul, 18 Jul, 25 Jul, 1 Sep 2016: 2 Apr, 14 Apr, 3 May, 7 May, 2 Jun, 14 Jul, 16 Jul, 19 Jul, 21 Jul, 23 Jul, 26 Jul, 28 Jul, 30 Jul, 4 Aug, 6 Aug, 9 Aug, 11 Aug, 13 Aug, 16 Aug, 20 Aug 2017: 1 Apr, 4 Apr, 6 Apr, 8 Apr, 11 Apr, 13 Apr, 18 Apr, 22 Apr, 25 Apr, 27 Apr, 2 May, 4 May, 9 May, 13 May, 16 May, 18 May, 20 May, 23 May, 27 May, 30 May, 1 Jun, 3 Jun, 6 Jun, 8 Jun, 10 Jun, 20 Jun, 22 Jun, 24 Jun, 27 Jun, 4 Jul, 6 Jul, 8 Jul, 15 Jul, 18 Jul, 20 Jul, 22 Jul, 25 Jul, 27 Jul, 29 Jul, 5 Aug, 15 Aug, 17 Aug, 19 Aug, 22 Aug, 24 Aug, 26 Aug, 29 Aug, 31 Aug, 2 Sep, 5 Sep, 9 Sep, 12 Sep, 14 Sep, 16 Sep, 19 Sep, 30 Sep, 3 Oct, 5 Oct, 7 Oct, 14 Oct, 17 Oct, 24 Oct,	89

Remark:

[#] Data with dredging refer to monitoring data which dredging works were involved at Z2B1, Z2B2 and Z2C1;

[^] In accordance with the definition in EP-426/2011/A, Wet Seasons refer to April to October, Dry Seasons refer to November to March.

3.3 The average value of DO (S&M) and DO (B), turbidity, SS, NH3-N (In-situ) and (Lab), UIA (In-situ) and (Lab) are compared. To assess the impact of dredging involved at Z2B1, Z2B2 and Z2C1, average value of “Data with Dredging” which greater than (or smaller than for DO) those “Data with No Dredging”, are further analysed by using Statistical Software “Pro UCL” (Version 4.0). Goodness-of-fit Test is used to test the



normality of the dataset. T-test or Wilcoxon-Mann-Whitney (WMW) Test is used to compare whether there is a significant difference between the “Data with Dredging” and “Data with No Dredging”. Details of statistical analysis setting are shown in Table 3.3 below:

Table 3.3 Details of Statistical Analysis

	Analysis Test Methods			
	Goodness-of-fit Test		T-test (for dataset fits normal distribution)	Wilcoxon-Mann-Whitney (WMW) Test (for dataset does not fit normal distribution)
	Shapiro Wilk Test (for sample size ≤ 50)	Lilliefors Test (for sample size > 50)		
Test purpose	To test whether the dataset fits a normal distribution and to determine whether T-test (parametric) or Wilcoxon-Mann-Whitney Test (non-parametric) is used	To test whether the dataset fits a normal distribution and to determine whether T-test (parametric) or Wilcoxon-Mann-Whitney Test (non-parametric) is used	To compare whether there is a significant difference between the “Data with Dredging” and “Data with No Dredging”	To compare whether there is a significant difference between the “Data with Dredging” and “Data with No Dredging”
Variables	For parameters with sample size ≤ 50	For parameters with sample size > 50	For parameters that fit normal distribution	For parameters that do not fit normal distribution
Cases	Data with Dredging & Data with No Dredging	Data with Dredging & Data with No Dredging	Data with Dredging vs Data with No Dredging	Data with Dredging vs Data with No Dredging
Confidence coefficient	95%	95%	95%	95%
Null hypothesis (H ₀)	Data are not normally distributed	Data are normally distributed	Mean/Median of “Data with Dredging” less than or equal to Mean/Median of “Data with No Dredging”	Mean/Median of “Data with Dredging” less than or equal to Mean/Median of “Data with No Dredging”
Output results	Shapiro Wilk Test Statistic	Lilliefors Test Statistic	P-Value	P-Value
Conclusion	Reject H ₀ : - If Shapiro Wilk Test Statistic > Shapiro Wilk Critical Value (i.e. Dataset fits normal distribution if H ₀ is rejected)	Reject H ₀ : - If Lilliefors Test Statistic > Lilliefors Critical Value (i.e. Dataset fits normal distribution if H ₀ is not rejected)	Reject H ₀ : - If P-Value < 0.05 (i.e. Impact is significant if H ₀ is rejected)	Reject H ₀ : - If P-Value < 0.05 (i.e. Impact is significant if H ₀ is rejected)



4. RESULTS OF ANALYSIS

4.1 Results of comparison of the historical data in routine impact water quality monitoring which dredging works were involved at Z2B1, Z2B2 and Z2C1 with those data that no dredging works carried out are summarized in **Table 4.1 to Table 4.10**. Detailed results of statistical analysis are presented in **Annex A**.

Table 4.1 Data Comparison between Dredging and No Dredging (DO (S&M))

Monitoring Station	Tide Mode	Average DO (S&M) mg/L					
		Dry Season			Wet Season		
		No Dredging Work	*With Dredging Works	*Impact significant (p<0.05)	No Dredging Work	*With Dredging Works	*Impact significant (p<0.05)
SR2	Mid-Flood	6.95	6.71	No	6.00	5.83	No
	Mid-Ebb	6.97	6.69	No	5.98	5.79	No
SR3	Mid-Flood	6.89	6.64	No	6.05	5.86	No
	Mid-Ebb	6.90	6.57	No	5.99	5.80	No

Remark:

Data with dredging refer to monitoring data which dredging works were involved at Z2B1, Z2B2 and Z2C1;

*Statistical analysis was only conducted for average value of data with dredging is smaller than those data with no dredging. "No" significant impact refers to p>0.05 from the statistical analysis results.

Table 4.2 Data Comparison between Dredging and No Dredging (DO (B))

Monitoring Station	Tide Mode	Average DO (B) mg/L					
		Dry Season			Wet Season		
		No Dredging Work	*With Dredging Works	*Impact significant (p<0.05)	No Dredging Work	*With Dredging Works	*Impact significant (p<0.05)
SR2	Mid-Flood	6.86	6.55	No	5.71	5.55	No
	Mid-Ebb	6.88	6.54	No	5.69	5.51	No
SR3	Mid-Flood	6.83	6.47	No	5.71	5.57	No
	Mid-Ebb	6.81	6.44	No	5.69	5.55	No

Remark:

Data with dredging refer to monitoring data which dredging works were involved at Z2B1, Z2B2 and Z2C1;

*Statistical analysis was only conducted for average value of data with dredging is smaller than those data with no dredging. "No" significant impact refers to p>0.05 from the statistical analysis results.



Table 4.3 Data Comparison between Dredging and No Dredging (Turbidity)

Monitoring Station	Tide Mode	Average Turbidity NTU					
		Dry Season			Wet Season		
		No Dredging Work	#With Dredging Works	*Impact significant (p<0.05)	No Dredging Work	#With Dredging Works	*Impact significant (p<0.05)
SR2	Mid-Flood	1.9	2.8	No	2.4	3.0	No
	Mid-Ebb	1.8	3.0	No	2.3	2.9	No
SR3	Mid-Flood	2.1	3.0	No	2.5	3.0	No
	Mid-Ebb	2.0	3.0	No	2.4	2.9	No

Remark:

Data with dredging refer to monitoring data which dredging works were involved at Z2B1, Z2B2 and Z2C1;

*Statistical analysis was only conducted for average value of data with dredging is greater than those data with no dredging. "No" significant impact refers to p>0.05 from the statistical analysis results.

Table 4.4 Data Comparison between Dredging and No Dredging (SS)

Monitoring Station	Tide Mode	Average SS mg/L					
		Dry Season			Wet Season		
		No Dredging Work	#With Dredging Works	*Impact significant (p<0.05)	No Dredging Work	#With Dredging Works	*Impact significant (p<0.05)
SR2	Mid-Flood	5.4	5.0	NA	4.5	4.6	No
	Mid-Ebb	5.4	5.6	No	4.6	4.3	NA
SR3	Mid-Flood	6.3	5.3	NA	4.6	5.1	No
	Mid-Ebb	6.1	6.5	No	4.6	5.0	No

Remark:

Data with dredging refer to monitoring data which dredging works were involved at Z2B1, Z2B2 and Z2C1;

* Statistical analysis was only conducted for average value of data with dredging is greater than those data with no dredging. "NA" refers to Not Applicable, meaning the average value of data with dredging is smaller or equal to those data with no dredging. "No" significant impact refers to p>0.05 from the statistical analysis results.

Table 4.5 Data Comparison between Dredging and No Dredging (NH3-N (In-situ))

Monitoring Station	Tide Mode	Average NH3-N (In-situ) mg/L					
		Dry Season			Wet Season		
		No Dredging Work	#With Dredging Works	*Impact significant (p<0.05)	No Dredging Work	#With Dredging Works	*Impact significant (p<0.05)
SR2	Mid-Flood	0.13	0.09	NA	0.08	0.07	NA
	Mid-Ebb	0.13	0.09	NA	0.08	0.06	NA
SR3	Mid-Flood	0.14	0.09	NA	0.09	0.07	NA
	Mid-Ebb	0.14	0.11	NA	0.09	0.08	NA

Remark:

Data with dredging refer to monitoring data which dredging works were involved at Z2B1, Z2B2 and Z2C1;

* Statistical analysis was only conducted for average value of data with dredging is greater than those data with no dredging. "NA" refers to Not Applicable, meaning the average value of data with dredging is smaller or equal to those data with no dredging.



Table 4.6 Data Comparison between Dredging and No Dredging (NH3-N (Lab))

Monitoring Station	Tide Mode	Average NH3-N (Lab) mg/L					
		Dry Season			Wet Season		
		No Dredging Work	*With Dredging Works	*Impact significant (p<0.05)	No Dredging Work	*With Dredging Works	*Impact significant (p<0.05)
SR2	Mid-Flood	0.13	0.09	NA	0.08	0.06	NA
	Mid-Ebb	0.13	0.09	NA	0.08	0.06	NA
SR3	Mid-Flood	0.14	0.10	NA	0.08	0.07	NA
	Mid-Ebb	0.14	0.11	NA	0.08	0.08	NA

Remark:

Data with dredging refer to monitoring data which dredging works were involved at Z2B1, Z2B2 and Z2C1;

* Statistical analysis was only conducted for average value of data with dredging is greater than those data with no dredging. NA" refers to Not Applicable, meaning the average value of data with dredging is smaller or equal to those data with no dredging.

Table 4.7 Data Comparison between Dredging and No Dredging (UIA (In-situ))

Monitoring Station	Tide Mode	Average UIA (In-situ) mg/L					
		Dry Season			Wet Season		
		No Dredging Work	*With Dredging Works	*Impact significant (p<0.05)	No Dredging Work	*With Dredging Works	*Impact significant (p<0.05)
SR2	Mid-Flood	0.006	0.004	NA	0.003	0.003	NA
	Mid-Ebb	0.006	0.003	NA	0.004	0.003	NA
SR3	Mid-Flood	0.006	0.004	NA	0.004	0.003	NA
	Mid-Ebb	0.006	0.004	NA	0.004	0.003	NA

Remark:

Data with dredging refer to monitoring data which dredging works were involved at Z2B1, Z2B2 and Z2C1;

* Statistical analysis was only conducted for average value of data with dredging is greater than those data with no dredging. NA" refers to Not Applicable, meaning the average value of data with dredging is smaller or equal to those data with no dredging.

Table 4.8 Data Comparison between Dredging and No Dredging (UIA (Lab))

Monitoring Station	Tide Mode	Average UIA (Lab) mg/L					
		Dry Season			Wet Season		
		No Dredging Work	*With Dredging Works	*Impact significant (p<0.05)	No Dredging Work	*With Dredging Works	*Impact significant (p<0.05)
SR2	Mid-Flood	0.006	0.003	NA	0.003	0.002	NA
	Mid-Ebb	0.006	0.004	NA	0.003	0.002	NA
SR3	Mid-Flood	0.006	0.004	NA	0.004	0.002	NA
	Mid-Ebb	0.006	0.004	NA	0.004	0.003	NA

Remark:

Data with dredging refer to monitoring data which dredging works were involved at Z2B1, Z2B2 and Z2C1;

* Statistical analysis was only conducted for average value of data with dredging is greater than those data with no dredging. NA" refers to Not Applicable, meaning the average value of data with dredging is smaller or equal to those data with no dredging.

- 4.2 Base on the results of data comparison, no deterioration of NH3-N (in-situ) and (Lab), UIA (in-situ) and (Lab) were found at SR2 and SR3 due to the dredging works involved at Z2B1, Z2B2 and Z2C1.
- 4.3 Results of data comparison shown that during dredging works were involved at Z2B1, Z2B2 and Z2C1, DO (S&M) and DO (B) were slightly smaller at SR2 and SR3; while turbidity at SR2 and SR3 and some of the SS at SR2 and SR3 were slightly higher, than those with no dredging works were carried out. However, base on the statistical analysis



of SR2 and SR3, no significant impact (i.e. $p > 0.05$) was shown due to the dredging works involved at Z2B1, Z2B2 and Z2C1.

4.4 Based on the analysis of the results, it is concluded that no project impact was found in SR2 and SR3 during dredging at Z2B1, Z2B2 and Z2C1 (including the dredging works in Hotspot area and its buffer area, i.e. Sub-zones Z2B1 and Z2B2 stated in the EP-426/2011/A). Therefore, SR2 and SR3 are proposed to be removed during dredging works for high spots removal at Z2B1, Z2B2 and Z2C1 only.

5. PROPOSED WATER QUALITY MONITORING PROGRAMME

5.1 The proposed remaining water quality monitoring stations for routine water monitoring and 24-hours water quality monitoring are presented in **Table 5.1** and **Table 5.2**. The locations of the remaining water quality monitoring stations are illustrated **Figure 2**.

Table 5.1 Proposed Water Quality Monitoring Stations for Routine Water Quality Monitoring

Water Monitoring Station		Easting	Northing
SR4	Tsuen Wan, WSD Flushing Water Intake	829270.482	825382.994
SR5	Ma Wan, Fish Culture Zone	823758.839	823575.934
SR12	Tsing Yi, WSD Flushing Water Intake	829599.152	823262.269
SR13	EMSD Cooling Water Intake for Kwai Chung Hospital	831397.450	822002.433
G2	Gradient Station	825979.792	824683.158
C1A	Control Station	820626.195	822834.323
C2A	Control Station	830423.070	819431.722

Table 5.2 Proposed Water Quality Monitoring Stations for 24-hours Water Quality Monitoring

Water Monitoring Station		Easting	Northing
SR4	Tsuen Wan, WSD Flushing Water Intake	829270.482	825382.994
SR5	Ma Wan, Fish Culture Zone	823758.839	823575.934
SR12	Tsing Yi, WSD Flushing Water Intake	829599.152	823262.269
SR13	EMSD Cooling Water Intake for Kwai Chung Hospital	831397.450	822002.433

5.2 The monitoring parameters and frequency for both in-situ measurement and laboratory analysis for the remaining monitoring stations will be kept as the same as the previous programme. The monitoring parameters and frequency for both in-situ measurement and laboratory analysis for the remaining monitoring stations are summarized in **Table 5.3**. Parameters for each remaining monitoring station are specified in **Table 5.4**.



Table 5.3 Monitoring Parameters and Frequency

Parameters	Monitoring Frequency
In-situ Measurement Turbidity (in NTU), pH, Dissolved Oxygen (in mg/L and %), Temperature (in °C), Salinity (in ppt), ¹ Ammonia-N (in mg/L-N and UIA); ² TIN: Ammonia-N (in mg/L), Nitrite (in mg/L), Nitrate (in mg/L)	3 days per week, at mid-flood and mid-ebb tides (except detergent which shall be taken one day per month, at mid-flood and mid-ebb)
Laboratory Analysis ¹ Ammonia-N (in mg/L-N and UIA), Suspended Solids (SS), ² BOD ₅ , ² <i>E.coli</i> , ² Synthetic Detergent; ² TIN: Ammonia-N (in mg/L), Nitrite (in mg/L), Nitrate (in mg/L)	36 hours interval was allowed between subsequent sets of measurement.

Notes:

- Ammonia measurements and samples were taken at SR4, SR12, C1A and C2A only;
 UIA: In-situ unionized ammonia was calculated from in-situ measurement of NH₃-N, temperature, pH and salinity; Laboratory determined unionized ammonia was calculated from analysed NH₃-N from water samples and in-situ measurement of temperature, pH and salinity;
- Total Inorganic Nitrogen (TIN) measurements and samples were taken at SR5, G2, C1A, C2A only; and
- BOD₅, *E.coli* and Synthetic Detergent samples were taken at SR4, SR12, C1A, C2A only.

Table 5.4 Water Quality Monitoring Parameters

ID	In-situ Measurement							Laboratory Analysis					
	pH	Temperature	Salinity	Turbidity	Dissolved Oxygen / Dissolved Oxygen%	NH ₃ -N / UIA	TIN (NH ₃ -N, NO ₂ & NO ₃)	Suspended Solids	BOD ₅	<i>E. coli</i>	NH ₃ -N / UIA	Synthetic Detergent	TIN (NH ₃ -N, NO ₂ & NO ₃)
SR4	○	○	○	○	○	○	○	○	○	○	○	○	○
SR5	○	○	○	○	○	○	○	○	○	○	○	○	○
SR12	○	○	○	○	○	○	○	○	○	○	○	○	○
SR13	○	○	○	○	○	○	○	○	○	○	○	○	○
G2	○	○	○	○	○	○	○	○	○	○	○	○	○
C1A	○	○	○	○	○	○	○	○	○	○	○	○	○
C2A	○	○	○	○	○	○	○	○	○	○	○	○	○

Notes:

- UIA: In-situ unionized ammonia was calculated from in-situ measurement of NH₃-N, temperature, pH and salinity; laboratory determined unionized ammonia was calculated from analysed NH₃-N from water samples taken and in-situ measurement of temperature, pH and salinity.



- 5.3 24-hours water quality monitoring at SR4 (Tsuen Wan, WSD Flushing Water Intake), SR5 (Ma Wan, Fish Culture Zone), SR12 (Tsing Yi WSD Flushing Water Intake) and SR13 (EMSD Cooling Water Intake for Kwai Chung Hospital) will be kept as the same as the previous programme, in which dissolved oxygen, temperature and turbidity data are taken at 5 minutes interval, while ammonia data are analyzed at every 20 minutes.

6. OTHERS EM&A REQUIREMENT

- 6.1 Others EM&A requirement included environmental site inspection and audit, event and plan, and all necessary mitigation measures as specified in the EP and EM&A Manual should also be implemented during upcoming construction works.

7. THE EM&A PROGRAMME AFTER COMPLETION OF HIGH SPOTS DREDGING AT Z2B1, Z2B2 AND Z2C1

- 7.1 As mentioned in Section 1.3 of this proposal, there may also be some other high spots discovered in "Portion B" (i.e. sub-zones Z5A, Z5B, Z5C, Z6A, Z6B, Z6C, Z6D, Z7 and Z8 stated in the EP-426/2011/A). Since they are not covered in the previous proposal, further review shall be required if high spots dredging is needed for those area, otherwise the full set of water quality monitoring shall be adopted as stipulated in the Section 2.1.6 and Section 2.1.10 of the EM&A manual except for SR1 which had been verified on site that the flushing water intake point did not exist as referred to the previous proposal.
- 7.2 The post-construction monitoring has to be re-conducted in accordance with Section 2.1.7 of the EM&A manual after all the works of this Contract are certified to be completed.

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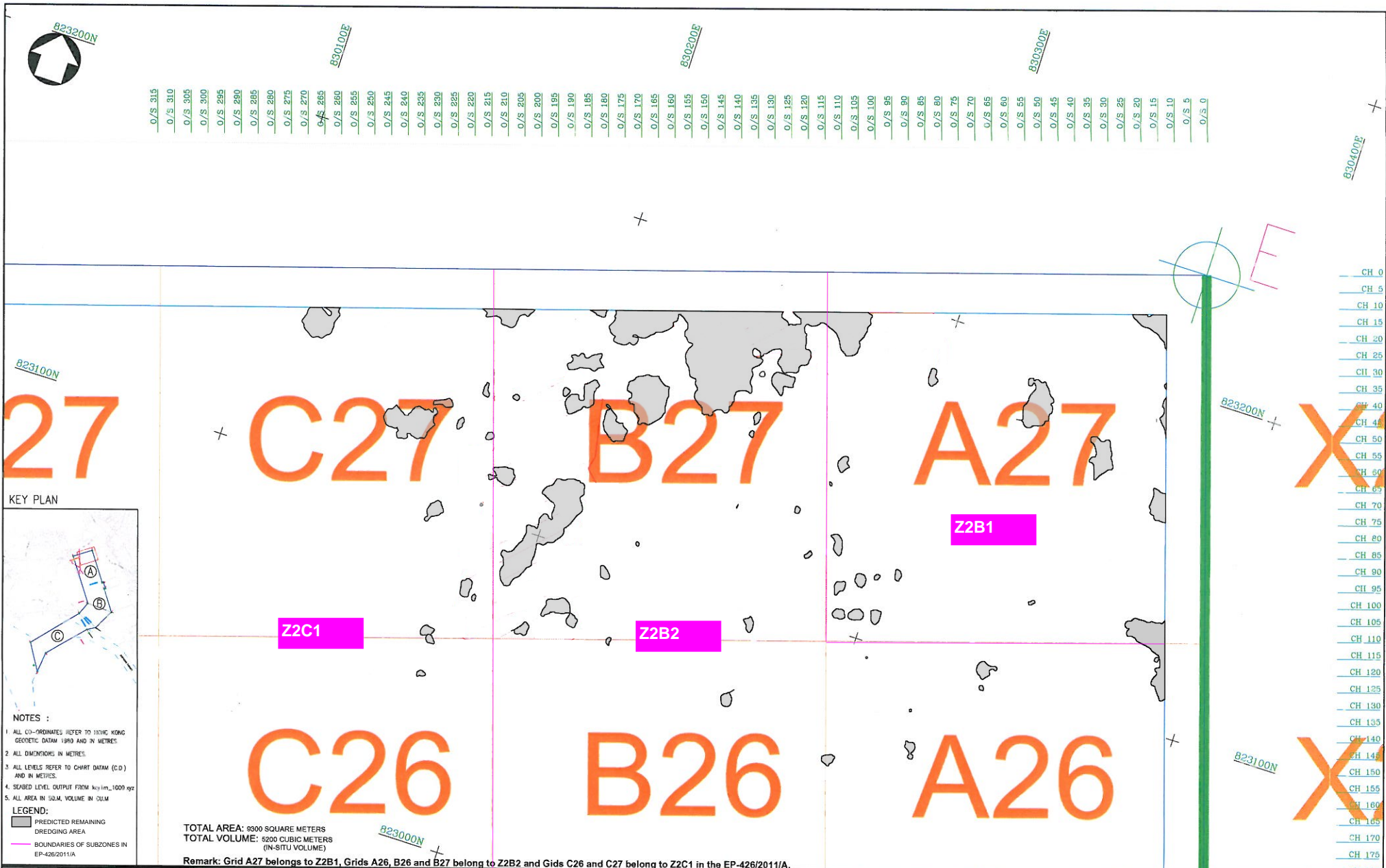
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Figure 1

Predicted High Spots Location and Expected Volume



CH 0
CH 5
CH 10
CH 15
CH 20
CH 25
CH 30
CH 35
CH 40
CH 45
CH 50
CH 55
CH 60
CH 65
CH 70
CH 75
CH 80
CH 85
CH 90
CH 95
CH 100
CH 105
CH 110
CH 115
CH 120
CH 125
CH 130
CH 135
CH 140
CH 145
CH 150
CH 155
CH 160
CH 165
CH 170
CH 175
CH 180

823100N

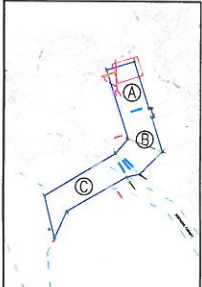
27

C27

B27

A27

KEY PLAN



- NOTES :
1. ALL CO-ORDINATES REFER TO HONG KONG GEODETIC DATUM 1980 AND IN METRES.
 2. ALL DIMENSIONS IN METRES.
 3. ALL LEVELS REFER TO CHART DATUM (C.D.) AND IN METRES.
 4. SEALED LEVEL OUTPUT FROM KEY PLAN 1:600 BY 2
 5. ALL AREA IN SQ.M, VOLUME IN CU.M
- LEGEND:
- PREDICTED REMAINING DREDGING AREA
 - BOUNDARIES OF SUBZONES IN EP-426/2011/A

Z2C1

Z2B2

Z2B1

C26

B26

A26

TOTAL AREA: 9300 SQUARE METERS
TOTAL VOLUME: 6200 CUBIC METERS (IN-SITU VOLUME)

Remark: Grid A27 belongs to Z2B1, Grids A26, B26 and B27 belong to Z2B2 and Grids C26 and C27 belong to Z2C1 in the EP-426/2011/A.

CLIENT CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT	CONTRACT TITLE: CONTRACT NO. CV/2013/04 DREDGING WORKS IN KWAI TSING CONTAINER BASIN AND ITS APPROACH CHANNEL	SCALE	1 : 500 (A1)	CAD REF	GV-2013-04_position A_APC26,27_20180227_001.dwg	A/C APPR
		SURVEY DATE:		A/C DWG NO		Sheet 1 of 1
CONTRACTOR 中國水利電力對外公司 CHINA INTERNATIONAL WATER & ELECTRIC CORP. 中國水利二機集團公司	SKETCH TITLE: DIFF. BETWEEN CURRENT SEALED LEVEL AND -17.1mCD (HIGH SPOTS AREA & VOLUME)	DRAWN			SKETCH NO	REV
		CHECKED				

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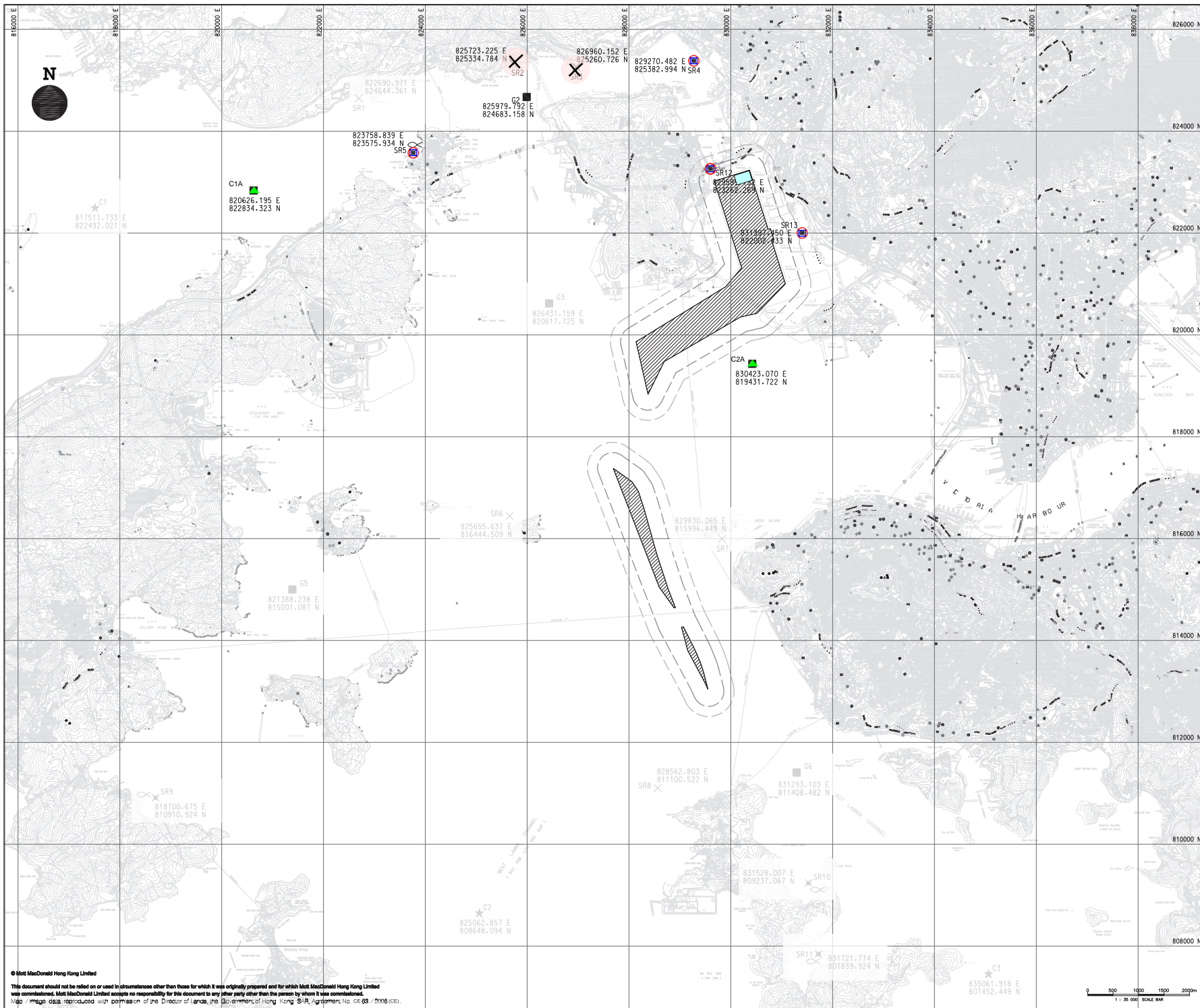
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Figure 2

Locations of Water Quality Monitoring Stations



NOTES:
 1. ALL COORDINATES ARE IN HONG KONG METRIC GRID (1980).
 2. THE CONTRACTOR SHALL REFER TO RELEVANT SECTION(S) AND APPENDICES OF THE PARTICULAR SPECIFICATION REGARDING THE WATER QUALITY MONITORING.

- LEGEND:
-  SITE BOUNDARY UNDER EP-426/2011A
 -  CURRENT SCOPE OF DREDGING WORK BOUNDARY
 -  REMAINING MONITORING STATION
 -  REMAINING 24 HOUR MONITORING STATION
 -  REMAINING CONTROL STATION
 -  REMAINING GRADIENT STATION
 -  PROPOSED REMOVED MONITORING STATION

Client
 THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Project
 CONTRACT NO. : CV/2013/04
 DREDGING WORKS IN KWAI TSING CONTAINER BASIN AND ITS APPROACH CHANNEL

Title
 PROVISIONAL LOCATION OF WATER QUALITY MONITORING STATIONS

Scale at A1	Status	Rev
1:35000	TEN	2

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Figure 2 - Location of Water Quality Monitoring Stations

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Annex A

Statistical Analysis of Reviewed Impact Monitoring Stations

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Dissolved Oxygen (Surface & Middle)

SR2 - Dry Season DO (S and M) at Mid-Flood (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(S&M) mg/L	Date	DO(S&M) mg/L	Date	DO(S&M) mg/L
26-Dec-2015	7.04	11-Nov-2017	6.33	21-Nov-2015	6.22
29-Dec-2015	7.01	14-Nov-2017	6.12	24-Dec-2015	6.85
31-Dec-2015	7.10	16-Nov-2017	6.02	9-Jan-2016	7.33
12-Jan-2016	7.37	18-Nov-2017	6.02	25-Feb-2017	7.55
14-Jan-2016	7.93			4-Nov-2017	6.08
26-Mar-2016	7.39			21-Nov-2017	6.24
29-Mar-2016	7.51				
24-Dec-2016	7.42				
27-Dec-2016	7.17				
31-Dec-2016	7.51				
3-Jan-2017	7.76				
7-Jan-2017	7.33				
10-Jan-2017	7.34				
14-Jan-2017	6.14				
17-Jan-2017	6.69				
19-Jan-2017	6.65				
21-Jan-2017	6.33				
23-Jan-2017	6.71				
25-Jan-2017	6.55				
27-Jan-2017	6.51				
31-Jan-2017	6.75				
2-Feb-2017	6.80				
4-Feb-2017	6.71				
7-Feb-2017	7.02				
9-Feb-2017	7.09				
11-Feb-2017	7.42				
14-Feb-2017	7.30				
16-Feb-2017	7.33				
18-Feb-2017	7.40				
21-Feb-2017	7.45				
23-Feb-2017	7.58				
28-Feb-2017	7.49				
2-Mar-2017	7.71				
4-Mar-2017	7.37				
7-Mar-2017	7.00				
9-Mar-2017	7.36				
11-Mar-2017	6.93				
14-Mar-2017	6.87				
16-Mar-2017	6.89				
18-Mar-2017	6.94				
21-Mar-2017	7.07				
23-Mar-2017	6.72				
25-Mar-2017	6.83				
28-Mar-2017	6.91				
30-Mar-2017	6.58				
2-Nov-2017	6.17				
7-Nov-2017	5.96				
9-Nov-2017	6.00				

SR2 - Dry Season DO (S and M) at Mid-Flood (mg/L)

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	48	Number of Distinct Observations	6
Minimum	5.96	Minimum	6.08
Maximum	7.925	Maximum	7.553
Mean of Raw Data	6.951	Mean of Raw Data	6.71
Standard Deviation of Raw Data	0.506	Standard Deviation of Raw Data	0.628
Kstar	177.7	Kstar	69.66
Mean of Log Transformed Data	1.936	Mean of Log Transformed Data	1.9
Standard Deviation of Log Transformed Data	0.074	Standard Deviation of Log Transformed Data	0.0926
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.983	Correlation Coefficient R	0.947
Approximate Shapiro Wilk Test Statistic	0.95	Shapiro Wilk Test Statistic	0.872
Approximate Shapiro Wilk P Value	4.90E-02	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.12	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.276
		Lilliefors Critical (0.95) Value	0.362
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	6	52		
Number of Distinct Observations	6	48		
Minimum	6.08	5.96		
Maximum	7.553	7.925		
Mean	6.71	6.951		
Median	6.543	7.004		
SD	0.628	0.506		
SE of Mean	0.256	0.0701		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	56	-1.079	1.673	0.857
Satterthwaite (Unequal Variance)	5.8	-0.906	1.943	0.8
Pooled SD 0.518				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR2 - Wet Season DO (S and M) at Mid-Flood (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(S&M) mg/L	Date	DO(S&M) mg/L	Date	DO(S&M) mg/L
4-Jun-2015	4.85	3-Jun-2017	6.41	2-Jun-2015	6.63
11-Jun-2015	5.83	6-Jun-2017	7.67	3-Sep-2015	4.84
14-Jul-2015	5.91	8-Jun-2017	7.75	12-Sep-2015	6.74
16-Jul-2015	5.48	10-Jun-2017	6.58	26-Sep-2015	6.45
18-Jul-2015	4.70	20-Jun-2017	5.79	6-Oct-2015	6.12
25-Jul-2015	5.87	22-Jun-2017	5.55	16-Apr-2016	6.84
1-Sep-2015	4.70	24-Jun-2017	5.37	4-Jun-2016	7.25
2-Apr-2016	9.88	27-Jun-2017	5.41	18-Jun-2016	6.03
14-Apr-2016	6.98	4-Jul-2017	6.28	2-Jul-2016	7.14
3-May-2016	7.45	6-Jul-2017	6.78	9-Jul-2016	4.79
7-May-2016	6.24	8-Jul-2017	6.48	12-Jul-2016	4.37
2-Jun-2016	7.75	15-Jul-2017	6.18	20-Apr-2017	7.31
14-Jul-2016	5.05	18-Jul-2017	6.17	29-Apr-2017	5.91
16-Jul-2016	5.93	20-Jul-2017	6.43	6-May-2017	6.09
19-Jul-2016	7.92	22-Jul-2017	6.28	11-May-2017	5.84
21-Jul-2016	5.36	25-Jul-2017	6.47	25-May-2017	5.72
23-Jul-2016	4.15	27-Jul-2017	4.72	15-Jun-2017	5.12
26-Jul-2016	4.99	29-Jul-2017	4.41	17-Jun-2017	4.92
28-Jul-2016	7.36	5-Aug-2017	4.93	29-Jun-2017	5.38
30-Jul-2016	8.94	15-Aug-2017	5.30	1-Jul-2017	5.68
4-Aug-2016	4.27	17-Aug-2017	6.89	11-Jul-2017	5.34
6-Aug-2016	4.30	19-Aug-2017	6.90	18-Jul-2017	6.17
9-Aug-2016	5.25	22-Aug-2017	5.49	20-Jul-2017	6.43
11-Aug-2016	4.69	24-Aug-2017	6.90	1-Aug-2017	5.39
13-Aug-2016	5.34	26-Aug-2017	4.98	3-Aug-2017	5.50
16-Aug-2016	5.57	29-Aug-2017	5.90	10-Aug-2017	4.73
20-Aug-2016	4.69	31-Aug-2017	6.53	7-Sep-2017	4.93
1-Apr-2017	7.06	2-Sep-2017	7.14	21-Sep-2017	4.86
4-Apr-2017	6.87	5-Sep-2017	5.65	23-Sep-2017	6.91
6-Apr-2017	7.88	9-Sep-2017	4.91	28-Sep-2017	5.82
8-Apr-2017	6.84	12-Sep-2017	4.70	12-Oct-2017	5.84
11-Apr-2017	6.66	14-Sep-2017	5.31	19-Oct-2017	5.56
13-Apr-2017	6.49	16-Sep-2017	5.88	21-Oct-2017	5.49
18-Apr-2017	7.09	19-Sep-2017	5.73	26-Oct-2017	5.84
22-Apr-2017	6.77	30-Sep-2017	6.00	28-Oct-2017	5.84
25-Apr-2017	5.81	3-Oct-2017	6.27	31-Oct-2017	5.96
27-Apr-2017	5.60	5-Oct-2017	4.84		
2-May-2017	6.02	7-Oct-2017	5.15		
4-May-2017	5.71	14-Oct-2017	5.70		
9-May-2017	6.49	17-Oct-2017	5.87		
13-May-2017	6.49	24-Oct-2017	5.54		
16-May-2017	5.69				
18-May-2017	6.20				
20-May-2017	5.96				
23-May-2017	5.39				
27-May-2017	5.42				
30-May-2017	5.35				
1-Jun-2017	6.03				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	87	Number of Distinct Observations	34
Minimum	4.15	Minimum	4.365
Maximum	9.88	Maximum	7.305
Mean of Raw Data	6.004	Mean of Raw Data	5.825
Standard Deviation of Raw Data	1.029	Standard Deviation of Raw Data	0.758
Kstar	35.03	Kstar	55.77
Mean of Log Transformed Data	1.779	Mean of Log Transformed Data	1.754
Standard Deviation of Log Transformed Data	0.166	Standard Deviation of Log Transformed Data	0.13
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.978	Correlation Coefficient R	0.99
Approximate Shapiro Wilk Test Statistic	0.958	Shapiro Wilk Test Statistic	0.968
Approximate Shapiro Wilk P Value	2.46E-02	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.0741	Approximate Shapiro Wilk P Value	4.64E-01
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.0758
		Lilliefors Critical (0.95) Value	0.148
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	36	89		
Number of Distinct Observations	34	87		
Minimum	4.365	4.15		
Maximum	7.305	9.88		
Mean	5.825	6.004		
Median	5.835	5.88		
SD	0.758	1.029		
SE of Mean	0.126	0.109		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	123	-0.942	1.657	0.826
Satterthwaite (Unequal Variance)	87.4	-1.071	1.663	0.856
Pooled SD 0.960				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR2 - Dry Season DO (S and M) at Mid-Ebb (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(S&M) mg/L	Date	DO(S&M) mg/L	Date	DO(S&M) mg/L
26-Dec-2015	6.98	11-Nov-2017	6.33	21-Nov-2015	6.17
29-Dec-2015	7.04	14-Nov-2017	6.05	24-Dec-2015	6.68
31-Dec-2015	6.96	16-Nov-2017	6.05	9-Jan-2016	7.39
12-Jan-2016	7.61	18-Nov-2017	5.90	25-Feb-2017	7.53
14-Jan-2016	7.89			4-Nov-2017	6.15
26-Mar-2016	7.10			21-Nov-2017	6.20
29-Mar-2016	7.66				
24-Dec-2016	7.41				
27-Dec-2016	7.11				
31-Dec-2016	7.56				
3-Jan-2017	7.69				
7-Jan-2017	7.35				
10-Jan-2017	7.37				
14-Jan-2017	6.24				
17-Jan-2017	6.79				
19-Jan-2017	6.57				
21-Jan-2017	6.63				
23-Jan-2017	6.72				
25-Jan-2017	6.74				
27-Jan-2017	6.83				
31-Jan-2017	6.76				
2-Feb-2017	6.79				
4-Feb-2017	6.80				
7-Feb-2017	6.90				
9-Feb-2017	7.08				
11-Feb-2017	7.26				
14-Feb-2017	7.28				
16-Feb-2017	7.33				
18-Feb-2017	7.41				
21-Feb-2017	7.46				
23-Feb-2017	7.59				
28-Feb-2017	7.40				
2-Mar-2017	7.69				
4-Mar-2017	7.38				
7-Mar-2017	6.72				
9-Mar-2017	7.54				
11-Mar-2017	6.94				
14-Mar-2017	6.83				
16-Mar-2017	6.89				
18-Mar-2017	6.91				
21-Mar-2017	7.94				
23-Mar-2017	6.50				
25-Mar-2017	6.86				
28-Mar-2017	6.91				
30-Mar-2017	6.64				
2-Nov-2017	6.19				
7-Nov-2017	5.98				
9-Nov-2017	6.01				

SR2 - Dry Season DO (S and M) at Mid-Ebb (mg/L)

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	50	Number of Distinct Observations	6
Minimum	5.903	Minimum	6.145
Maximum	7.935	Maximum	7.533
Mean of Raw Data	6.971	Mean of Raw Data	6.685
Standard Deviation of Raw Data	0.518	Standard Deviation of Raw Data	0.634
Kstar	170.7	Kstar	68.32
Mean of Log Transformed Data	1.939	Mean of Log Transformed Data	1.896
Standard Deviation of Log Transformed Data	0.0755	Standard Deviation of Log Transformed Data	0.0933
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.987	Correlation Coefficient R	0.916
Approximate Shapiro Wilk Test Statistic	0.958	Shapiro Wilk Test Statistic	0.81
Approximate Shapiro Wilk P Value	1.13E-01	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.0836	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.28
		Lilliefors Critical (0.95) Value	0.362
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	6	52		
Number of Distinct Observations	6	50		
Minimum	6.145	5.903		
Maximum	7.533	7.935		
Mean	6.685	6.971		
Median	6.435	6.921		
SD	0.634	0.518		
SE of Mean	0.259	0.0718		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	56	-1.253	1.673	0.892
Satterthwaite (Unequal Variance)	5.8	-1.064	1.943	0.835
Pooled SD 0.529				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR2 - Wet Season DO (S and M) at Mid-Ebb (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(S&M) mg/L	Date	DO(S&M) mg/L	Date	DO(S&M) mg/L
4-Jun-2015	4.70	3-Jun-2017	6.49	2-Jun-2015	6.65
11-Jun-2015	5.04	6-Jun-2017	7.47	3-Sep-2015	5.11
14-Jul-2015	5.92	8-Jun-2017	6.44	12-Sep-2015	6.57
16-Jul-2015	5.37	10-Jun-2017	7.69	26-Sep-2015	6.39
18-Jul-2015	4.90	20-Jun-2017	5.87	6-Oct-2015	6.19
25-Jul-2015	5.77	22-Jun-2017	5.49	16-Apr-2016	6.77
1-Sep-2015	4.70	24-Jun-2017	5.34	4-Jun-2016	7.42
2-Apr-2016	10.38	27-Jun-2017	5.43	18-Jun-2016	6.03
14-Apr-2016	6.73	4-Jul-2017	6.28	2-Jul-2016	6.34
3-May-2016	7.31	6-Jul-2017	6.06	9-Jul-2016	4.51
7-May-2016	6.28	8-Jul-2017	6.49	12-Jul-2016	4.37
2-Jun-2016	7.27	15-Jul-2017	6.18	20-Apr-2017	7.29
14-Jul-2016	5.17	18-Jul-2017	6.25	29-Apr-2017	5.91
16-Jul-2016	5.93	20-Jul-2017	6.49	6-May-2017	5.97
19-Jul-2016	7.55	22-Jul-2017	6.19	11-May-2017	5.80
21-Jul-2016	5.36	25-Jul-2017	6.34	25-May-2017	5.72
23-Jul-2016	5.41	27-Jul-2017	4.69	15-Jun-2017	5.02
26-Jul-2016	6.66	29-Jul-2017	4.18	17-Jun-2017	4.89
28-Jul-2016	6.64	5-Aug-2017	5.02	29-Jun-2017	5.14
30-Jul-2016	7.77	15-Aug-2017	4.86	1-Jul-2017	5.81
4-Aug-2016	4.56	17-Aug-2017	6.91	11-Jul-2017	5.29
6-Aug-2016	4.44	19-Aug-2017	6.88	18-Jul-2017	6.25
9-Aug-2016	4.70	22-Aug-2017	5.62	20-Jul-2017	6.49
11-Aug-2016	4.68	24-Aug-2017	6.90	1-Aug-2017	5.43
13-Aug-2016	5.32	26-Aug-2017	5.11	3-Aug-2017	5.63
16-Aug-2016	5.55	29-Aug-2017	5.86	10-Aug-2017	4.72
20-Aug-2016	4.71	31-Aug-2017	6.01	7-Sep-2017	4.82
1-Apr-2017	7.10	2-Sep-2017	6.98	21-Sep-2017	4.84
4-Apr-2017	6.94	5-Sep-2017	5.64	23-Sep-2017	6.89
6-Apr-2017	7.89	9-Sep-2017	4.82	28-Sep-2017	5.70
8-Apr-2017	6.89	12-Sep-2017	4.71	12-Oct-2017	5.77
11-Apr-2017	7.31	14-Sep-2017	5.37	19-Oct-2017	5.56
13-Apr-2017	6.51	16-Sep-2017	5.90	21-Oct-2017	5.52
18-Apr-2017	7.10	19-Sep-2017	5.77	26-Oct-2017	5.87
22-Apr-2017	6.80	30-Sep-2017	6.08	28-Oct-2017	5.92
25-Apr-2017	5.86	3-Oct-2017	6.24	31-Oct-2017	5.95
27-Apr-2017	5.59	5-Oct-2017	4.81		
2-May-2017	6.16	7-Oct-2017	4.84		
4-May-2017	5.72	14-Oct-2017	5.69		
9-May-2017	6.50	17-Oct-2017	5.79		
13-May-2017	6.99	24-Oct-2017	5.55		
16-May-2017	5.27				
18-May-2017	6.16				
20-May-2017	6.37				
23-May-2017	5.39				
27-May-2017	5.44				
30-May-2017	5.27				
1-Jun-2017	5.92				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	88	Number of Distinct Observations	36
Minimum	4.175	Minimum	4.365
Maximum	10.38	Maximum	7.415
Mean of Raw Data	5.984	Mean of Raw Data	5.792
Standard Deviation of Raw Data	0.992	Standard Deviation of Raw Data	0.749
Kstar	37.75	Kstar	56.07
Mean of Log Transformed Data	1.776	Mean of Log Transformed Data	1.748
Standard Deviation of Log Transformed Data	0.16	Standard Deviation of Log Transformed Data	0.13
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.968	Correlation Coefficient R	0.995
Approximate Shapiro Wilk Test Statistic	0.95	Shapiro Wilk Test Statistic	0.981
Approximate Shapiro Wilk P Value	5.21E-03	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.0629	Approximate Shapiro Wilk P Value	8.25E-01
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.0725
		Lilliefors Critical (0.95) Value	0.148
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	36	89		
Number of Distinct Observations	36	88		
Minimum	4.365	4.175		
Maximum	7.415	10.38		
Mean	5.792	5.984		
Median	5.8	5.9		
SD	0.749	0.992		
SE of Mean	0.125	0.105		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	123	-1.046	1.657	0.851
Satterthwaite (Unequal Variance)	85.3	-1.177	1.663	0.879
Pooled SD 0.929				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR3 - Dry Season DO (S and M) at Mid-Flood (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(S&M) mg/L	Date	DO(S&M) mg/L	Date	DO(S&M) mg/L
26-Dec-2015	6.94	11-Nov-2017	6.39	21-Nov-2015	6.36
29-Dec-2015	6.87	14-Nov-2017	6.05	24-Dec-2015	6.86
31-Dec-2015	6.81	16-Nov-2017	5.98	9-Jan-2016	7.16
12-Jan-2016	7.40	18-Nov-2017	6.27	25-Feb-2017	7.25
14-Jan-2016	7.65			4-Nov-2017	6.03
26-Mar-2016	7.45			21-Nov-2017	6.17
29-Mar-2016	7.52				
24-Dec-2016	7.26				
27-Dec-2016	7.14				
31-Dec-2016	7.45				
3-Jan-2017	7.88				
7-Jan-2017	7.36				
10-Jan-2017	7.48				
14-Jan-2017	6.04				
17-Jan-2017	6.64				
19-Jan-2017	6.38				
21-Jan-2017	6.11				
23-Jan-2017	6.25				
25-Jan-2017	6.80				
27-Jan-2017	6.63				
31-Jan-2017	6.63				
2-Feb-2017	6.71				
4-Feb-2017	6.75				
7-Feb-2017	6.91				
9-Feb-2017	6.82				
11-Feb-2017	7.31				
14-Feb-2017	7.19				
16-Feb-2017	7.20				
18-Feb-2017	7.30				
21-Feb-2017	7.28				
23-Feb-2017	7.64				
28-Feb-2017	7.53				
2-Mar-2017	7.48				
4-Mar-2017	7.28				
7-Mar-2017	7.02				
9-Mar-2017	7.14				
11-Mar-2017	6.76				
14-Mar-2017	6.85				
16-Mar-2017	6.76				
18-Mar-2017	6.88				
21-Mar-2017	7.12				
23-Mar-2017	6.72				
25-Mar-2017	6.97				
28-Mar-2017	6.83				
30-Mar-2017	6.79				
2-Nov-2017	6.18				
7-Nov-2017	5.80				
9-Nov-2017	5.90				

SR3 - Dry Season DO (S and M) at Mid-Flood (mg/L)

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	51	Number of Distinct Observations	6
Minimum	5.795	Minimum	6.025
Maximum	7.875	Maximum	7.255
Mean of Raw Data	6.893	Mean of Raw Data	6.636
Standard Deviation of Raw Data	0.507	Standard Deviation of Raw Data	0.525
Kstar	173.7	Kstar	96.09
Mean of Log Transformed Data	1.928	Mean of Log Transformed Data	1.89
Standard Deviation of Log Transformed Data	0.0749	Standard Deviation of Log Transformed Data	0.0791
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.986	Correlation Coefficient R	0.963
Approximate Shapiro Wilk Test Statistic	0.959	Shapiro Wilk Test Statistic	0.9
Approximate Shapiro Wilk P Value	1.32E-01	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.089	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.204
		Lilliefors Critical (0.95) Value	0.362
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	6	52		
Number of Distinct Observations	6	51		
Minimum	6.025	5.795		
Maximum	7.255	7.875		
Mean	6.636	6.893		
Median	6.608	6.875		
SD	0.525	0.507		
SE of Mean	0.214	0.0703		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	56	-1.171	1.673	0.877
Satterthwaite (Unequal Variance)	6.1	-1.139	1.943	0.851
Pooled SD 0.509				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR3 - Wet Season DO (S and M) at Mid-Flood (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(S&M) mg/L	Date	DO(S&M) mg/L	Date	DO(S&M) mg/L
4-Jun-2015	4.97	3-Jun-2017	6.41	2-Jun-2015	6.63
11-Jun-2015	5.93	6-Jun-2017	7.56	3-Sep-2015	4.82
14-Jul-2015	8.47	8-Jun-2017	7.66	12-Sep-2015	6.66
16-Jul-2015	5.41	10-Jun-2017	6.76	26-Sep-2015	6.45
18-Jul-2015	5.01	20-Jun-2017	5.76	6-Oct-2015	6.28
25-Jul-2015	6.02	22-Jun-2017	6.17	16-Apr-2016	6.89
1-Sep-2015	4.70	24-Jun-2017	5.42	4-Jun-2016	7.13
2-Apr-2016	9.60	27-Jun-2017	5.76	18-Jun-2016	5.87
14-Apr-2016	6.77	4-Jul-2017	6.07	2-Jul-2016	6.00
3-May-2016	7.26	6-Jul-2017	5.85	9-Jul-2016	5.07
7-May-2016	6.28	8-Jul-2017	5.94	12-Jul-2016	4.83
2-Jun-2016	7.76	15-Jul-2017	6.72	20-Apr-2017	7.82
14-Jul-2016	5.04	18-Jul-2017	5.96	29-Apr-2017	5.87
16-Jul-2016	6.41	20-Jul-2017	6.50	6-May-2017	5.98
19-Jul-2016	7.52	22-Jul-2017	6.76	11-May-2017	5.84
21-Jul-2016	5.07	25-Jul-2017	6.44	25-May-2017	5.79
23-Jul-2016	4.83	27-Jul-2017	4.69	15-Jun-2017	5.30
26-Jul-2016	5.34	29-Jul-2017	4.42	17-Jun-2017	5.24
28-Jul-2016	7.28	5-Aug-2017	4.78	29-Jun-2017	5.55
30-Jul-2016	8.69	15-Aug-2017	5.61	1-Jul-2017	6.35
4-Aug-2016	4.46	17-Aug-2017	6.81	11-Jul-2017	5.83
6-Aug-2016	4.57	19-Aug-2017	7.12	18-Jul-2017	5.96
9-Aug-2016	5.34	22-Aug-2017	5.67	20-Jul-2017	6.50
11-Aug-2016	4.73	24-Aug-2017	6.82	1-Aug-2017	5.62
13-Aug-2016	5.45	26-Aug-2017	5.06	3-Aug-2017	5.77
16-Aug-2016	5.43	29-Aug-2017	5.70	10-Aug-2017	4.68
20-Aug-2016	4.69	31-Aug-2017	5.92	7-Sep-2017	5.02
1-Apr-2017	7.13	2-Sep-2017	6.66	21-Sep-2017	4.86
4-Apr-2017	6.79	5-Sep-2017	5.67	23-Sep-2017	6.82
6-Apr-2017	7.93	9-Sep-2017	5.02	28-Sep-2017	5.76
8-Apr-2017	6.88	12-Sep-2017	4.80	12-Oct-2017	5.66
11-Apr-2017	7.08	14-Sep-2017	5.33	19-Oct-2017	5.54
13-Apr-2017	6.39	16-Sep-2017	5.63	21-Oct-2017	5.37
18-Apr-2017	7.17	19-Sep-2017	5.91	26-Oct-2017	5.54
22-Apr-2017	6.97	30-Sep-2017	5.93	28-Oct-2017	5.90
25-Apr-2017	5.78	3-Oct-2017	6.21	31-Oct-2017	5.82
27-Apr-2017	5.78	5-Oct-2017	5.06		
2-May-2017	6.27	7-Oct-2017	5.04		
4-May-2017	5.28	14-Oct-2017	5.67		
9-May-2017	6.59	17-Oct-2017	5.75		
13-May-2017	6.02	24-Oct-2017	5.49		
16-May-2017	5.72				
18-May-2017	6.26				
20-May-2017	5.72				
23-May-2017	6.07				
27-May-2017	5.59				
30-May-2017	5.36				
1-Jun-2017	6.23				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	88	Number of Distinct Observations	36
Minimum	4.42	Minimum	4.68
Maximum	9.595	Maximum	7.82
Mean of Raw Data	6.049	Mean of Raw Data	5.86
Standard Deviation of Raw Data	0.996	Standard Deviation of Raw Data	0.7
Kstar	38.12	Kstar	67.8
Mean of Log Transformed Data	1.787	Mean of Log Transformed Data	1.761
Standard Deviation of Log Transformed Data	0.159	Standard Deviation of Log Transformed Data	0.118
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.977	Correlation Coefficient R	0.982
Approximate Shapiro Wilk Test Statistic	0.951	Shapiro Wilk Test Statistic	0.964
Approximate Shapiro Wilk P Value	6.71E-03	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.0883	Approximate Shapiro Wilk P Value	3.55E-01
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.143
		Lilliefors Critical (0.95) Value	0.148
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	36	89		
Number of Distinct Observations	36	88		
Minimum	4.68	4.42		
Maximum	7.82	9.595		
Mean	5.86	6.049		
Median	5.823	5.915		
SD	0.7	0.996		
SE of Mean	0.117	0.106		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	123	-1.039	1.657	0.85
Satterthwaite (Unequal Variance)	91.4	-1.202	1.662	0.884
Pooled SD 0.921				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR3 - Dry Season DO (S and M) at Mid-Ebb (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(S&M) mg/L	Date	DO(S&M) mg/L	Date	DO(S&M) mg/L
26-Dec-2015	7.00	11-Nov-2017	6.40	21-Nov-2015	6.06
29-Dec-2015	7.01	14-Nov-2017	6.16	24-Dec-2015	6.87
31-Dec-2015	6.71	16-Nov-2017	6.01	9-Jan-2016	7.36
12-Jan-2016	7.35	18-Nov-2017	6.08	25-Feb-2017	7.26
14-Jan-2016	8.03			4-Nov-2017	6.08
26-Mar-2016	7.38			21-Nov-2017	5.81
29-Mar-2016	7.72				
24-Dec-2016	7.28				
27-Dec-2016	7.08				
31-Dec-2016	7.51				
3-Jan-2017	7.84				
7-Jan-2017	7.38				
10-Jan-2017	7.33				
14-Jan-2017	6.30				
17-Jan-2017	6.81				
19-Jan-2017	6.37				
21-Jan-2017	6.25				
23-Jan-2017	6.23				
25-Jan-2017	6.48				
27-Jan-2017	6.60				
31-Jan-2017	6.44				
2-Feb-2017	6.47				
4-Feb-2017	6.67				
7-Feb-2017	6.89				
9-Feb-2017	6.79				
11-Feb-2017	7.37				
14-Feb-2017	7.11				
16-Feb-2017	7.20				
18-Feb-2017	7.30				
21-Feb-2017	7.29				
23-Feb-2017	7.67				
28-Feb-2017	7.68				
2-Mar-2017	7.52				
4-Mar-2017	7.27				
7-Mar-2017	6.71				
9-Mar-2017	7.17				
11-Mar-2017	6.75				
14-Mar-2017	7.03				
16-Mar-2017	6.87				
18-Mar-2017	6.86				
21-Mar-2017	7.02				
23-Mar-2017	6.71				
25-Mar-2017	6.95				
28-Mar-2017	6.95				
30-Mar-2017	6.78				
2-Nov-2017	6.23				
7-Nov-2017	5.80				
9-Nov-2017	5.91				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	50	Number of Distinct Observations	6
Minimum	5.795	Minimum	5.805
Maximum	8.025	Maximum	7.36
Mean of Raw Data	6.896	Mean of Raw Data	6.57
Standard Deviation of Raw Data	0.525	Standard Deviation of Raw Data	0.674
Kstar	164.4	Kstar	57.18
Mean of Log Transformed Data	1.928	Mean of Log Transformed Data	1.878
Standard Deviation of Log Transformed Data	0.0767	Standard Deviation of Log Transformed Data	0.103
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.996	Correlation Coefficient R	0.947
Approximate Shapiro Wilk Test Statistic	0.98	Shapiro Wilk Test Statistic	0.869
Approximate Shapiro Wilk P Value	7.27E-01	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.0698	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.266
		Lilliefors Critical (0.95) Value	0.362
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	6	52		
Number of Distinct Observations	6	50		
Minimum	5.805	5.795		
Maximum	7.36	8.025		
Mean	6.57	6.896		
Median	6.473	6.915		
SD	0.674	0.525		
SE of Mean	0.275	0.0727		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	56	-1.399	1.673	0.916
Satterthwaite (Unequal Variance)	5.7	-1.143	1.943	0.851
Pooled SD 0.540				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR3 - Wet Season DO (S and M) at Mid-Ebb (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(S&M) mg/L	Date	DO(S&M) mg/L	Date	DO(S&M) mg/L
4-Jun-2015	5.12	3-Jun-2017	6.46	2-Jun-2015	6.39
11-Jun-2015	5.93	6-Jun-2017	7.37	3-Sep-2015	4.76
14-Jul-2015	5.91	8-Jun-2017	7.65	12-Sep-2015	6.55
16-Jul-2015	5.48	10-Jun-2017	7.64	26-Sep-2015	6.34
18-Jul-2015	4.72	20-Jun-2017	5.67	6-Oct-2015	6.26
25-Jul-2015	6.08	22-Jun-2017	5.62	16-Apr-2016	6.75
1-Sep-2015	4.69	24-Jun-2017	5.42	4-Jun-2016	7.55
2-Apr-2016	9.80	27-Jun-2017	5.44	18-Jun-2016	5.88
14-Apr-2016	6.79	4-Jul-2017	6.01	2-Jul-2016	5.92
3-May-2016	6.84	6-Jul-2017	6.03	9-Jul-2016	5.05
7-May-2016	6.28	8-Jul-2017	5.86	12-Jul-2016	4.62
2-Jun-2016	6.90	15-Jul-2017	6.73	20-Apr-2017	7.81
14-Jul-2016	4.93	18-Jul-2017	6.29	29-Apr-2017	5.83
16-Jul-2016	6.41	20-Jul-2017	6.06	6-May-2017	5.94
19-Jul-2016	7.59	22-Jul-2017	6.90	11-May-2017	5.80
21-Jul-2016	5.43	25-Jul-2017	6.39	25-May-2017	5.75
23-Jul-2016	5.44	27-Jul-2017	4.72	15-Jun-2017	4.69
26-Jul-2016	5.64	29-Jul-2017	4.26	17-Jun-2017	4.78
28-Jul-2016	6.66	5-Aug-2017	4.83	29-Jun-2017	5.24
30-Jul-2016	7.63	15-Aug-2017	5.57	1-Jul-2017	6.33
4-Aug-2016	4.73	17-Aug-2017	6.82	11-Jul-2017	5.53
6-Aug-2016	4.06	19-Aug-2017	7.31	18-Jul-2017	6.29
9-Aug-2016	5.11	22-Aug-2017	5.80	20-Jul-2017	6.06
11-Aug-2016	4.82	24-Aug-2017	6.82	1-Aug-2017	5.32
13-Aug-2016	5.25	26-Aug-2017	5.20	3-Aug-2017	5.86
16-Aug-2016	5.21	29-Aug-2017	5.50	10-Aug-2017	4.69
20-Aug-2016	4.70	31-Aug-2017	5.93	7-Sep-2017	4.89
1-Apr-2017	7.02	2-Sep-2017	6.69	21-Sep-2017	4.81
4-Apr-2017	6.98	5-Sep-2017	5.66	23-Sep-2017	6.81
6-Apr-2017	7.98	9-Sep-2017	4.93	28-Sep-2017	5.74
8-Apr-2017	6.90	12-Sep-2017	4.70	12-Oct-2017	5.74
11-Apr-2017	7.10	14-Sep-2017	5.37	19-Oct-2017	5.61
13-Apr-2017	6.41	16-Sep-2017	5.60	21-Oct-2017	5.37
18-Apr-2017	7.13	19-Sep-2017	5.60	26-Oct-2017	5.54
22-Apr-2017	6.98	30-Sep-2017	5.95	28-Oct-2017	6.00
25-Apr-2017	5.87	3-Oct-2017	6.22	31-Oct-2017	6.15
27-Apr-2017	5.76	5-Oct-2017	4.74		
2-May-2017	6.24	7-Oct-2017	5.00		
4-May-2017	5.87	14-Oct-2017	5.66		
9-May-2017	6.37	17-Oct-2017	5.75		
13-May-2017	6.99	24-Oct-2017	5.48		
16-May-2017	5.52				
18-May-2017	6.17				
20-May-2017	5.84				
23-May-2017	5.53				
27-May-2017	5.50				
30-May-2017	5.44				
1-Jun-2017	6.20				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	87	Number of Distinct Observations	35
Minimum	4.058	Minimum	4.62
Maximum	9.8	Maximum	7.805
Mean of Raw Data	5.994	Mean of Raw Data	5.795
Standard Deviation of Raw Data	0.95	Standard Deviation of Raw Data	0.765
Kstar	40.61	Kstar	55.27
Mean of Log Transformed Data	1.779	Mean of Log Transformed Data	1.749
Standard Deviation of Log Transformed Data	0.155	Standard Deviation of Log Transformed Data	0.13
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.977	Correlation Coefficient R	0.978
Approximate Shapiro Wilk Test Statistic	0.965	Shapiro Wilk Test Statistic	0.951
Approximate Shapiro Wilk P Value	7.39E-02	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.0802	Approximate Shapiro Wilk P Value	1.44E-01
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.0799
		Lilliefors Critical (0.95) Value	0.148
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	36	89		
Number of Distinct Observations	35	87		
Minimum	4.62	4.058		
Maximum	7.805	9.8		
Mean	5.795	5.994		
Median	5.814	5.865		
SD	0.765	0.95		
SE of Mean	0.128	0.101		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	123	-1.117	1.657	0.867
Satterthwaite (Unequal Variance)	79.9	-1.224	1.664	0.888
Pooled SD 0.901				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

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Dissolved Oxygen (Bottom)

SR2 - Dry Season DO (B) at Mid-Flood (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(B) mg/L	Date	DO(B) mg/L	Date	DO(B) mg/L
26-Dec-2015	6.73	11-Nov-2017	6.32	21-Nov-2015	5.86
29-Dec-2015	6.80	14-Nov-2017	6.02	24-Dec-2015	6.61
31-Dec-2015	6.95	16-Nov-2017	5.98	9-Jan-2016	7.19
12-Jan-2016	7.30	18-Nov-2017	5.53	25-Feb-2017	7.45
14-Jan-2016	7.74			4-Nov-2017	6.08
26-Mar-2016	6.99			21-Nov-2017	6.13
29-Mar-2016	7.31				
24-Dec-2016	7.40				
27-Dec-2016	7.15				
31-Dec-2016	7.41				
3-Jan-2017	7.72				
7-Jan-2017	7.35				
10-Jan-2017	7.36				
14-Jan-2017	6.13				
17-Jan-2017	6.76				
19-Jan-2017	6.57				
21-Jan-2017	6.30				
23-Jan-2017	6.55				
25-Jan-2017	6.54				
27-Jan-2017	6.31				
31-Jan-2017	6.63				
2-Feb-2017	6.58				
4-Feb-2017	6.69				
7-Feb-2017	6.80				
9-Feb-2017	6.86				
11-Feb-2017	7.14				
14-Feb-2017	7.21				
16-Feb-2017	7.28				
18-Feb-2017	7.29				
21-Feb-2017	7.46				
23-Feb-2017	7.51				
28-Feb-2017	7.37				
2-Mar-2017	7.71				
4-Mar-2017	7.36				
7-Mar-2017	6.93				
9-Mar-2017	7.45				
11-Mar-2017	6.87				
14-Mar-2017	6.81				
16-Mar-2017	6.81				
18-Mar-2017	6.86				
21-Mar-2017	6.93				
23-Mar-2017	6.75				
25-Mar-2017	6.83				
28-Mar-2017	6.79				
30-Mar-2017	6.65				
2-Nov-2017	6.14				
7-Nov-2017	5.97				
9-Nov-2017	5.99				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	52	Number of Distinct Observations	6
Minimum	5.53	Minimum	5.86
Maximum	7.735	Maximum	7.45
Mean of Raw Data	6.861	Mean of Raw Data	6.553
Standard Deviation of Raw Data	0.512	Standard Deviation of Raw Data	0.648
Kstar	168.3	Kstar	62.54
Mean of Log Transformed Data	1.923	Mean of Log Transformed Data	1.876
Standard Deviation of Log Transformed Data	0.0762	Standard Deviation of Log Transformed Data	0.0977
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.985	Correlation Coefficient R	0.96
Approximate Shapiro Wilk Test Statistic	0.96	Shapiro Wilk Test Statistic	0.902
Approximate Shapiro Wilk P Value	1.47E-01	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.0984	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.245
		Lilliefors Critical (0.95) Value	0.362
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	6	52		
Number of Distinct Observations	6	52		
Minimum	5.86	5.53		
Maximum	7.45	7.735		
Mean	6.553	6.861		
Median	6.368	6.84		
SD	0.648	0.512		
SE of Mean	0.265	0.071		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	56	-1.362	1.673	0.911
Satterthwaite (Unequal Variance)	5.7	-1.126	1.943	0.847
Pooled SD 0.525				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR2 - Wet Season DO (B) at Mid-Flood (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(B) mg/L	Date	DO(B) mg/L	Date	DO(B) mg/L
4-Jun-2015	4.16	3-Jun-2017	6.32	2-Jun-2015	6.36
11-Jun-2015	5.58	6-Jun-2017	7.89	3-Sep-2015	4.21
14-Jul-2015	5.80	8-Jun-2017	7.83	12-Sep-2015	6.68
16-Jul-2015	5.14	10-Jun-2017	6.52	26-Sep-2015	6.39
18-Jul-2015	4.16	20-Jun-2017	5.63	6-Oct-2015	5.77
25-Jul-2015	5.48	22-Jun-2017	5.51	16-Apr-2016	6.72
1-Sep-2015	4.21	24-Jun-2017	5.20	4-Jun-2016	7.24
2-Apr-2016	8.64	27-Jun-2017	5.09	18-Jun-2016	5.90
14-Apr-2016	6.79	4-Jul-2017	6.24	2-Jul-2016	7.07
3-May-2016	7.45	6-Jul-2017	5.00	9-Jul-2016	4.32
7-May-2016	6.25	8-Jul-2017	6.69	12-Jul-2016	3.53
2-Jun-2016	7.60	15-Jul-2017	6.20	20-Apr-2017	6.94
14-Jul-2016	4.16	18-Jul-2017	6.34	29-Apr-2017	5.76
16-Jul-2016	5.89	20-Jul-2017	6.25	6-May-2017	5.91
19-Jul-2016	7.71	22-Jul-2017	6.20	11-May-2017	5.60
21-Jul-2016	3.96	25-Jul-2017	6.31	25-May-2017	5.65
23-Jul-2016	3.60	27-Jul-2017	4.15	15-Jun-2017	4.28
26-Jul-2016	3.54	29-Jul-2017	3.73	17-Jun-2017	4.74
28-Jul-2016	6.80	5-Aug-2017	4.43	29-Jun-2017	5.07
30-Jul-2016	8.10	15-Aug-2017	4.20	1-Jul-2017	4.66
4-Aug-2016	4.19	17-Aug-2017	6.96	11-Jul-2017	5.22
6-Aug-2016	3.96	19-Aug-2017	6.68	18-Jul-2017	6.34
9-Aug-2016	4.27	22-Aug-2017	5.25	20-Jul-2017	6.25
11-Aug-2016	4.18	24-Aug-2017	6.64	1-Aug-2017	5.22
13-Aug-2016	4.19	26-Aug-2017	4.51	3-Aug-2017	4.78
16-Aug-2016	5.49	29-Aug-2017	5.28	10-Aug-2017	4.16
20-Aug-2016	4.34	31-Aug-2017	5.55	7-Sep-2017	4.73
1-Apr-2017	7.10	2-Sep-2017	7.29	21-Sep-2017	4.74
4-Apr-2017	6.81	5-Sep-2017	5.59	23-Sep-2017	6.66
6-Apr-2017	7.82	9-Sep-2017	4.59	28-Sep-2017	5.11
8-Apr-2017	6.90	12-Sep-2017	4.28	12-Oct-2017	5.32
11-Apr-2017	6.59	14-Sep-2017	5.05	19-Oct-2017	5.55
13-Apr-2017	6.44	16-Sep-2017	5.89	21-Oct-2017	5.61
18-Apr-2017	7.02	19-Sep-2017	5.32	26-Oct-2017	5.69
22-Apr-2017	6.76	30-Sep-2017	5.71	28-Oct-2017	5.71
25-Apr-2017	5.65	3-Oct-2017	6.25	31-Oct-2017	5.98
27-Apr-2017	5.44	5-Oct-2017	4.56		
2-May-2017	5.77	7-Oct-2017	4.97		
4-May-2017	5.69	14-Oct-2017	5.66		
9-May-2017	6.44	17-Oct-2017	5.82		
13-May-2017	6.70	24-Oct-2017	5.51		
16-May-2017	5.29				
18-May-2017	6.38				
20-May-2017	5.80				
23-May-2017	5.35				
27-May-2017	5.34				
30-May-2017	5.05				
1-Jun-2017	5.68				

SR2 - Wet Season DO (B) at Mid-Flood (mg/L)

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	83	Number of Distinct Observations	35
Minimum	3.54	Minimum	3.53
Maximum	8.64	Maximum	7.24
Mean of Raw Data	5.714	Mean of Raw Data	5.55
Standard Deviation of Raw Data	1.159	Standard Deviation of Raw Data	0.911
Kstar	23.32	Kstar	33.62
Mean of Log Transformed Data	1.722	Mean of Log Transformed Data	1.7
Standard Deviation of Log Transformed Data	0.207	Standard Deviation of Log Transformed Data	0.17
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.991	Correlation Coefficient R	0.994
Approximate Shapiro Wilk Test Statistic	0.966	Shapiro Wilk Test Statistic	0.978
Approximate Shapiro Wilk P Value	9.24E-02	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.0739	Approximate Shapiro Wilk P Value	7.61E-01
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.0835
		Lilliefors Critical (0.95) Value	0.148
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	36	89		
Number of Distinct Observations	35	83		
Minimum	3.53	3.54		
Maximum	7.24	8.64		
Mean	5.55	5.714		
Median	5.629	5.655		
SD	0.911	1.159		
SE of Mean	0.152	0.123		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	123	-0.759	1.657	0.775
Satterthwaite (Unequal Variance)	81.9	-0.84	1.664	0.798
Pooled SD 1.094				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR2 - Dry Season DO (B) at Mid-Ebb (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(B) mg/L	Date	DO(B) mg/L	Date	DO(B) mg/L
26-Dec-2015	6.69	11-Nov-2017	6.32	21-Nov-2015	6.02
29-Dec-2015	6.90	14-Nov-2017	6.00	24-Dec-2015	6.34
31-Dec-2015	6.80	16-Nov-2017	5.94	9-Jan-2016	7.23
12-Jan-2016	7.52	18-Nov-2017	5.47	25-Feb-2017	7.46
14-Jan-2016	7.77			4-Nov-2017	6.08
26-Mar-2016	7.21			21-Nov-2017	6.10
29-Mar-2016	7.39				
24-Dec-2016	7.44				
27-Dec-2016	7.08				
31-Dec-2016	7.46				
3-Jan-2017	7.67				
7-Jan-2017	7.36				
10-Jan-2017	7.35				
14-Jan-2017	6.23				
17-Jan-2017	6.66				
19-Jan-2017	6.43				
21-Jan-2017	6.50				
23-Jan-2017	6.60				
25-Jan-2017	6.58				
27-Jan-2017	6.78				
31-Jan-2017	6.60				
2-Feb-2017	6.60				
4-Feb-2017	6.73				
7-Feb-2017	6.74				
9-Feb-2017	6.86				
11-Feb-2017	7.16				
14-Feb-2017	7.20				
16-Feb-2017	7.27				
18-Feb-2017	7.29				
21-Feb-2017	7.42				
23-Feb-2017	7.50				
28-Feb-2017	7.35				
2-Mar-2017	7.73				
4-Mar-2017	7.46				
7-Mar-2017	6.76				
9-Mar-2017	7.70				
11-Mar-2017	6.89				
14-Mar-2017	6.79				
16-Mar-2017	6.83				
18-Mar-2017	6.86				
21-Mar-2017	6.92				
23-Mar-2017	6.74				
25-Mar-2017	6.85				
28-Mar-2017	6.78				
30-Mar-2017	6.72				
2-Nov-2017	6.14				
7-Nov-2017	5.98				
9-Nov-2017	5.99				

SR2 - Dry Season DO (B) at Mid-Ebb (mg/L)

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	48	Number of Distinct Observations	6
Minimum	5.465	Minimum	6.02
Maximum	7.765	Maximum	7.455
Mean of Raw Data	6.882	Mean of Raw Data	6.537
Standard Deviation of Raw Data	0.522	Standard Deviation of Raw Data	0.638
Kstar	162.5	Kstar	65.41
Mean of Log Transformed Data	1.926	Mean of Log Transformed Data	1.874
Standard Deviation of Log Transformed Data	0.0775	Standard Deviation of Log Transformed Data	0.0951
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.984	Correlation Coefficient R	0.9
Approximate Shapiro Wilk Test Statistic	0.96	Shapiro Wilk Test Statistic	0.789
Approximate Shapiro Wilk P Value	1.37E-01	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.089	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.288
		Lilliefors Critical (0.95) Value	0.362
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	6	52		
Number of Distinct Observations	6	48		
Minimum	6.02	5.465		
Maximum	7.455	7.765		
Mean	6.537	6.882		
Median	6.218	6.835		
SD	0.638	0.522		
SE of Mean	0.26	0.0724		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	56	-1.503	1.673	0.931
Satterthwaite (Unequal Variance)	5.8	-1.279	1.943	0.875
Pooled SD 0.534				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR2 - Wet Season DO (B) at Mid-Ebb (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(B) mg/L	Date	DO(B) mg/L	Date	DO(B) mg/L
4-Jun-2015	4.17	3-Jun-2017	6.39	2-Jun-2015	6.41
11-Jun-2015	4.75	6-Jun-2017	7.62	3-Sep-2015	4.17
14-Jul-2015	5.83	8-Jun-2017	7.89	12-Sep-2015	6.49
16-Jul-2015	5.20	10-Jun-2017	7.60	26-Sep-2015	6.37
18-Jul-2015	4.24	20-Jun-2017	5.64	6-Oct-2015	5.98
25-Jul-2015	5.03	22-Jun-2017	5.34	16-Apr-2016	6.75
1-Sep-2015	4.23	24-Jun-2017	5.19	4-Jun-2016	7.32
2-Apr-2016	8.51	27-Jun-2017	5.12	18-Jun-2016	5.81
14-Apr-2016	6.77	4-Jul-2017	6.25	2-Jul-2016	6.14
3-May-2016	6.90	6-Jul-2017	5.20	9-Jul-2016	3.76
7-May-2016	6.18	8-Jul-2017	6.72	12-Jul-2016	3.77
2-Jun-2016	7.02	15-Jul-2017	6.16	20-Apr-2017	6.95
14-Jul-2016	4.60	18-Jul-2017	6.26	29-Apr-2017	5.78
16-Jul-2016	5.85	20-Jul-2017	6.32	6-May-2017	5.72
19-Jul-2016	7.12	22-Jul-2017	6.04	11-May-2017	5.58
21-Jul-2016	3.95	25-Jul-2017	6.26	25-May-2017	5.66
23-Jul-2016	3.60	27-Jul-2017	4.17	15-Jun-2017	4.29
26-Jul-2016	3.79	29-Jul-2017	3.71	17-Jun-2017	4.20
28-Jul-2016	6.12	5-Aug-2017	4.39	29-Jun-2017	4.95
30-Jul-2016	7.73	15-Aug-2017	4.15	1-Jul-2017	4.64
4-Aug-2016	4.36	17-Aug-2017	6.66	11-Jul-2017	5.22
6-Aug-2016	3.95	19-Aug-2017	6.65	18-Jul-2017	6.26
9-Aug-2016	4.40	22-Aug-2017	5.17	20-Jul-2017	6.32
11-Aug-2016	4.16	24-Aug-2017	6.65	1-Aug-2017	5.22
13-Aug-2016	4.15	26-Aug-2017	4.81	3-Aug-2017	4.95
16-Aug-2016	5.30	29-Aug-2017	5.35	10-Aug-2017	4.15
20-Aug-2016	4.37	31-Aug-2017	5.95	7-Sep-2017	4.72
1-Apr-2017	7.07	2-Sep-2017	6.81	21-Sep-2017	4.77
4-Apr-2017	6.81	5-Sep-2017	5.60	23-Sep-2017	6.65
6-Apr-2017	7.84	9-Sep-2017	4.42	28-Sep-2017	5.26
8-Apr-2017	6.85	12-Sep-2017	4.22	12-Oct-2017	5.32
11-Apr-2017	7.20	14-Sep-2017	5.18	19-Oct-2017	5.55
13-Apr-2017	6.60	16-Sep-2017	5.84	21-Oct-2017	5.60
18-Apr-2017	7.01	19-Sep-2017	5.71	26-Oct-2017	5.66
22-Apr-2017	6.77	30-Sep-2017	5.74	28-Oct-2017	5.88
25-Apr-2017	5.68	3-Oct-2017	6.25	31-Oct-2017	5.99
27-Apr-2017	5.43	5-Oct-2017	4.57		
2-May-2017	5.92	7-Oct-2017	4.54		
4-May-2017	5.69	14-Oct-2017	5.60		
9-May-2017	6.45	17-Oct-2017	5.78		
13-May-2017	6.89	24-Oct-2017	5.51		
16-May-2017	5.20				
18-May-2017	5.90				
20-May-2017	6.20				
23-May-2017	5.35				
27-May-2017	5.36				
30-May-2017	5.20				
1-Jun-2017	5.74				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	79	Number of Distinct Observations	33
Minimum	3.6	Minimum	3.76
Maximum	8.51	Maximum	7.32
Mean of Raw Data	5.693	Mean of Raw Data	5.505
Standard Deviation of Raw Data	1.117	Standard Deviation of Raw Data	0.909
Kstar	24.87	Kstar	32.95
Mean of Log Transformed Data	1.72	Mean of Log Transformed Data	1.692
Standard Deviation of Log Transformed Data	0.201	Standard Deviation of Log Transformed Data	0.172
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.992	Correlation Coefficient R	0.992
Approximate Shapiro Wilk Test Statistic	0.967	Shapiro Wilk Test Statistic	0.972
Approximate Shapiro Wilk P Value	1.14E-01	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.076	Approximate Shapiro Wilk P Value	5.81E-01
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.101
		Lilliefors Critical (0.95) Value	0.148
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	36	89		
Number of Distinct Observations	33	79		
Minimum	3.76	3.6		
Maximum	7.32	8.51		
Mean	5.505	5.693		
Median	5.625	5.71		
SD	0.909	1.117		
SE of Mean	0.151	0.118		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	123	-0.897	1.657	0.814
Satterthwaite (Unequal Variance)	79.1	-0.978	1.664	0.834
Pooled SD 1.062				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR3 - Dry Season DO (B) at Mid-Flood (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(B) mg/L	Date	DO(B) mg/L	Date	DO(B) mg/L
26-Dec-2015	6.62	11-Nov-2017	6.37	21-Nov-2015	6.04
29-Dec-2015	6.79	14-Nov-2017	6.05	24-Dec-2015	6.48
31-Dec-2015	6.77	16-Nov-2017	5.96	9-Jan-2016	7.05
12-Jan-2016	7.24	18-Nov-2017	6.04	25-Feb-2017	7.13
14-Jan-2016	7.62			4-Nov-2017	6.07
26-Mar-2016	7.03			21-Nov-2017	6.04
29-Mar-2016	7.31				
24-Dec-2016	7.28				
27-Dec-2016	7.10				
31-Dec-2016	7.36				
3-Jan-2017	7.80				
7-Jan-2017	7.38				
10-Jan-2017	7.46				
14-Jan-2017	6.92				
17-Jan-2017	6.70				
19-Jan-2017	6.32				
21-Jan-2017	6.13				
23-Jan-2017	6.16				
25-Jan-2017	6.69				
27-Jan-2017	6.52				
31-Jan-2017	6.52				
2-Feb-2017	6.55				
4-Feb-2017	6.67				
7-Feb-2017	6.75				
9-Feb-2017	6.68				
11-Feb-2017	7.05				
14-Feb-2017	7.10				
16-Feb-2017	7.11				
18-Feb-2017	7.17				
21-Feb-2017	7.24				
23-Feb-2017	7.64				
28-Feb-2017	7.37				
2-Mar-2017	7.43				
4-Mar-2017	7.24				
7-Mar-2017	6.93				
9-Mar-2017	7.23				
11-Mar-2017	6.67				
14-Mar-2017	6.73				
16-Mar-2017	6.76				
18-Mar-2017	6.82				
21-Mar-2017	7.04				
23-Mar-2017	6.67				
25-Mar-2017	6.91				
28-Mar-2017	6.76				
30-Mar-2017	6.83				
2-Nov-2017	6.14				
7-Nov-2017	5.80				
9-Nov-2017	5.82				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	48	Number of Distinct Observations	5
Minimum	5.795	Minimum	6.04
Maximum	7.8	Maximum	7.125
Mean of Raw Data	6.83	Mean of Raw Data	6.468
Standard Deviation of Raw Data	0.483	Standard Deviation of Raw Data	0.509
Kstar	188.4	Kstar	98.79
Mean of Log Transformed Data	1.919	Mean of Log Transformed Data	1.864
Standard Deviation of Log Transformed Data	0.0718	Standard Deviation of Log Transformed Data	0.0777
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.99	Correlation Coefficient R	0.911
Approximate Shapiro Wilk Test Statistic	0.967	Shapiro Wilk Test Statistic	0.799
Approximate Shapiro Wilk P Value	2.69E-01	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.101	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.283
		Lilliefors Critical (0.95) Value	0.362
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	6	52		
Number of Distinct Observations	5	48		
Minimum	6.04	5.795		
Maximum	7.125	7.8		
Mean	6.468	6.83		
Median	6.275	6.803		
SD	0.509	0.483		
SE of Mean	0.208	0.067		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	56	-1.729	1.673	0.955
Satterthwaite (Unequal Variance)	6.1	-1.658	1.943	0.926
Pooled SD 0.485				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR3 - Wet Season DO (B) at Mid-Flood (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(B) mg/L	Date	DO(B) mg/L	Date	DO(B) mg/L
4-Jun-2015	4.15	3-Jun-2017	6.36	2-Jun-2015	6.59
11-Jun-2015	5.70	6-Jun-2017	7.33	3-Sep-2015	4.53
14-Jul-2015	5.85	8-Jun-2017	7.60	12-Sep-2015	6.64
16-Jul-2015	5.18	10-Jun-2017	6.04	26-Sep-2015	6.41
18-Jul-2015	4.18	20-Jun-2017	5.58	6-Oct-2015	6.07
25-Jul-2015	5.07	22-Jun-2017	6.05	16-Apr-2016	6.77
1-Sep-2015	4.34	24-Jun-2017	5.34	4-Jun-2016	7.02
2-Apr-2016	8.36	27-Jun-2017	5.15	18-Jun-2016	5.62
14-Apr-2016	6.61	4-Jul-2017	6.00	2-Jul-2016	6.47
3-May-2016	7.21	6-Jul-2017	5.62	9-Jul-2016	4.15
7-May-2016	6.15	8-Jul-2017	5.73	12-Jul-2016	3.26
2-Jun-2016	7.61	15-Jul-2017	6.72	20-Apr-2017	7.55
14-Jul-2016	4.12	18-Jul-2017	5.75	29-Apr-2017	5.77
16-Jul-2016	6.08	20-Jul-2017	6.35	6-May-2017	5.78
19-Jul-2016	7.21	22-Jul-2017	6.22	11-May-2017	5.60
21-Jul-2016	3.67	25-Jul-2017	6.19	25-May-2017	5.71
23-Jul-2016	3.69	27-Jul-2017	4.18	15-Jun-2017	4.61
26-Jul-2016	4.45	29-Jul-2017	4.03	17-Jun-2017	4.74
28-Jul-2016	6.59	5-Aug-2017	4.23	29-Jun-2017	4.88
30-Jul-2016	8.11	15-Aug-2017	4.82	1-Jul-2017	5.86
4-Aug-2016	4.16	17-Aug-2017	6.82	11-Jul-2017	4.62
6-Aug-2016	4.03	19-Aug-2017	6.81	18-Jul-2017	5.75
9-Aug-2016	4.57	22-Aug-2017	5.17	20-Jul-2017	6.35
11-Aug-2016	4.21	24-Aug-2017	6.71	1-Aug-2017	5.51
13-Aug-2016	4.30	26-Aug-2017	4.52	3-Aug-2017	4.92
16-Aug-2016	5.35	29-Aug-2017	5.31	10-Aug-2017	4.27
20-Aug-2016	4.32	31-Aug-2017	5.52	7-Sep-2017	4.63
1-Apr-2017	7.16	2-Sep-2017	6.50	21-Sep-2017	4.60
4-Apr-2017	6.73	5-Sep-2017	5.53	23-Sep-2017	6.72
6-Apr-2017	7.91	9-Sep-2017	4.83	28-Sep-2017	5.64
8-Apr-2017	6.82	12-Sep-2017	4.31	12-Oct-2017	5.52
11-Apr-2017	6.99	14-Sep-2017	5.27	19-Oct-2017	5.50
13-Apr-2017	6.39	16-Sep-2017	5.62	21-Oct-2017	5.42
18-Apr-2017	7.14	19-Sep-2017	5.43	26-Oct-2017	5.45
22-Apr-2017	6.97	30-Sep-2017	5.14	28-Oct-2017	5.80
25-Apr-2017	5.67	3-Oct-2017	6.13	31-Oct-2017	5.85
27-Apr-2017	5.30	5-Oct-2017	4.54		
2-May-2017	5.87	7-Oct-2017	4.90		
4-May-2017	5.33	14-Oct-2017	5.63		
9-May-2017	6.57	17-Oct-2017	5.75		
13-May-2017	6.77	24-Oct-2017	5.46		
16-May-2017	5.46				
18-May-2017	6.36				
20-May-2017	5.74				
23-May-2017	5.95				
27-May-2017	5.25				
30-May-2017	5.33				
1-Jun-2017	6.17				

SR3 - Wet Season DO (B) at Mid-Flood (mg/L)

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	84	Number of Distinct Observations	36
Minimum	3.67	Minimum	3.26
Maximum	8.36	Maximum	7.55
Mean of Raw Data	5.71	Mean of Raw Data	5.569
Standard Deviation of Raw Data	1.081	Standard Deviation of Raw Data	0.912
Kstar	26.85	Kstar	33.19
Mean of Log Transformed Data	1.724	Mean of Log Transformed Data	1.703
Standard Deviation of Log Transformed Data	0.193	Standard Deviation of Log Transformed Data	0.172
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.993	Correlation Coefficient R	0.988
Approximate Shapiro Wilk Test Statistic	0.968	Shapiro Wilk Test Statistic	0.979
Approximate Shapiro Wilk P Value	1.24E-01	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.0677	Approximate Shapiro Wilk P Value	7.76E-01
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.127
		Lilliefors Critical (0.95) Value	0.148
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	36	89		
Number of Distinct Observations	36	84		
Minimum	3.26	3.67		
Maximum	7.55	8.36		
Mean	5.569	5.71		
Median	5.628	5.67		
SD	0.912	1.081		
SE of Mean	0.152	0.115		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	123	-0.687	1.657	0.753
Satterthwaite (Unequal Variance)	76.2	-0.738	1.665	0.769
Pooled SD 1.035				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR3 - Dry Season DO (B) at Mid-Ebb (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(B) mg/L	Date	DO(B) mg/L	Date	DO(B) mg/L
26-Dec-2015	6.59	11-Nov-2017	6.39	21-Nov-2015	5.99
29-Dec-2015	6.89	14-Nov-2017	6.07	24-Dec-2015	6.55
31-Dec-2015	6.49	16-Nov-2017	5.97	9-Jan-2016	7.15
12-Jan-2016	7.35	18-Nov-2017	5.59	25-Feb-2017	7.12
14-Jan-2016	7.86			4-Nov-2017	6.08
26-Mar-2016	7.70			21-Nov-2017	5.76
29-Mar-2016	7.44				
24-Dec-2016	7.27				
27-Dec-2016	7.01				
31-Dec-2016	7.37				
3-Jan-2017	7.78				
7-Jan-2017	7.35				
10-Jan-2017	7.34				
14-Jan-2017	6.11				
17-Jan-2017	6.51				
19-Jan-2017	6.23				
21-Jan-2017	6.22				
23-Jan-2017	6.29				
25-Jan-2017	6.39				
27-Jan-2017	6.69				
31-Jan-2017	6.52				
2-Feb-2017	6.25				
4-Feb-2017	6.72				
7-Feb-2017	6.66				
9-Feb-2017	6.62				
11-Feb-2017	7.06				
14-Feb-2017	7.11				
16-Feb-2017	7.12				
18-Feb-2017	7.13				
21-Feb-2017	7.26				
23-Feb-2017	7.64				
28-Feb-2017	7.46				
2-Mar-2017	7.48				
4-Mar-2017	7.24				
7-Mar-2017	6.67				
9-Mar-2017	7.24				
11-Mar-2017	6.69				
14-Mar-2017	6.91				
16-Mar-2017	6.85				
18-Mar-2017	6.83				
21-Mar-2017	6.85				
23-Mar-2017	6.58				
25-Mar-2017	6.87				
28-Mar-2017	6.87				
30-Mar-2017	6.81				
2-Nov-2017	6.25				
7-Nov-2017	5.81				
9-Nov-2017	5.81				

SR3 - Dry Season DO (B) at Mid-Ebb (mg/L)

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	49	Number of Distinct Observations	6
Minimum	5.585	Minimum	5.755
Maximum	7.855	Maximum	7.15
Mean of Raw Data	6.809	Mean of Raw Data	6.441
Standard Deviation of Raw Data	0.54	Standard Deviation of Raw Data	0.597
Kstar	150.9	Kstar	70.63
Mean of Log Transformed Data	1.915	Mean of Log Transformed Data	1.859
Standard Deviation of Log Transformed Data	0.0802	Standard Deviation of Log Transformed Data	0.0921
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.996	Correlation Coefficient R	0.955
Approximate Shapiro Wilk Test Statistic	0.979	Shapiro Wilk Test Statistic	0.885
Approximate Shapiro Wilk P Value	6.67E-01	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.0734	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.227
		Lilliefors Critical (0.95) Value	0.362
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	6	52		
Number of Distinct Observations	6	49		
Minimum	5.755	5.585		
Maximum	7.15	7.855		
Mean	6.441	6.809		
Median	6.315	6.835		
SD	0.597	0.54		
SE of Mean	0.244	0.0748		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	56	-1.568	1.673	0.939
Satterthwaite (Unequal Variance)	6	-1.446	1.943	0.901
Pooled SD 0.545				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR3 - Wet Season DO (B) at Mid-Ebb (mg/L)

No Dredging Work				With Dredging Works	
Date	DO(B) mg/L	Date	DO(B) mg/L	Date	DO(B) mg/L
4-Jun-2015	4.28	3-Jun-2017	6.37	2-Jun-2015	6.34
11-Jun-2015	5.12	6-Jun-2017	7.29	3-Sep-2015	4.52
14-Jul-2015	5.81	8-Jun-2017	7.61	12-Sep-2015	6.45
16-Jul-2015	5.23	10-Jun-2017	7.60	26-Sep-2015	6.30
18-Jul-2015	4.19	20-Jun-2017	5.49	6-Oct-2015	6.15
25-Jul-2015	5.55	22-Jun-2017	5.43	16-Apr-2016	6.60
1-Sep-2015	4.31	24-Jun-2017	5.35	4-Jun-2016	7.07
2-Apr-2016	8.57	27-Jun-2017	5.41	18-Jun-2016	5.65
14-Apr-2016	6.74	4-Jul-2017	5.97	2-Jul-2016	5.68
3-May-2016	6.69	6-Jul-2017	5.85	9-Jul-2016	4.35
7-May-2016	6.17	8-Jul-2017	5.69	12-Jul-2016	3.56
2-Jun-2016	6.73	15-Jul-2017	6.73	20-Apr-2017	7.56
14-Jul-2016	4.35	18-Jul-2017	6.15	29-Apr-2017	5.74
16-Jul-2016	6.10	20-Jul-2017	6.08	6-May-2017	5.81
19-Jul-2016	7.32	22-Jul-2017	6.65	11-May-2017	5.58
21-Jul-2016	4.01	25-Jul-2017	6.27	25-May-2017	5.64
23-Jul-2016	3.79	27-Jul-2017	4.15	15-Jun-2017	4.13
26-Jul-2016	4.14	29-Jul-2017	3.95	17-Jun-2017	4.19
28-Jul-2016	6.00	5-Aug-2017	4.19	29-Jun-2017	4.83
30-Jul-2016	7.05	15-Aug-2017	4.36	1-Jul-2017	5.99
4-Aug-2016	4.48	17-Aug-2017	6.72	11-Jul-2017	4.78
6-Aug-2016	3.90	19-Aug-2017	7.17	18-Jul-2017	6.15
9-Aug-2016	4.33	22-Aug-2017	5.13	20-Jul-2017	6.08
11-Aug-2016	4.32	24-Aug-2017	6.69	1-Aug-2017	5.30
13-Aug-2016	4.45	26-Aug-2017	4.90	3-Aug-2017	5.51
16-Aug-2016	4.97	29-Aug-2017	5.30	10-Aug-2017	4.28
20-Aug-2016	4.44	31-Aug-2017	5.56	7-Sep-2017	4.63
1-Apr-2017	6.91	2-Sep-2017	6.56	21-Sep-2017	4.58
4-Apr-2017	6.88	5-Sep-2017	5.56	23-Sep-2017	6.69
6-Apr-2017	7.96	9-Sep-2017	4.82	28-Sep-2017	5.68
8-Apr-2017	6.83	12-Sep-2017	4.25	12-Oct-2017	5.35
11-Apr-2017	6.97	14-Sep-2017	5.28	19-Oct-2017	5.58
13-Apr-2017	6.44	16-Sep-2017	5.68	21-Oct-2017	5.42
18-Apr-2017	7.14	19-Sep-2017	5.58	26-Oct-2017	5.45
22-Apr-2017	7.03	30-Sep-2017	4.67	28-Oct-2017	5.92
25-Apr-2017	5.68	3-Oct-2017	6.14	31-Oct-2017	6.16
27-Apr-2017	5.49	5-Oct-2017	4.45		
2-May-2017	5.78	7-Oct-2017	4.82		
4-May-2017	5.90	14-Oct-2017	5.63		
9-May-2017	6.14	17-Oct-2017	5.72		
13-May-2017	6.88	24-Oct-2017	5.48		
16-May-2017	5.03				
18-May-2017	5.82				
20-May-2017	5.77				
23-May-2017	5.41				
27-May-2017	5.32				
30-May-2017	5.40				
1-Jun-2017	5.87				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	83	Number of Distinct Observations	34
Minimum	3.79	Minimum	3.56
Maximum	8.57	Maximum	7.56
Mean of Raw Data	5.687	Mean of Raw Data	5.545
Standard Deviation of Raw Data	1.063	Standard Deviation of Raw Data	0.888
Kstar	27.71	Kstar	35.14
Mean of Log Transformed Data	1.721	Mean of Log Transformed Data	1.7
Standard Deviation of Log Transformed Data	0.19	Standard Deviation of Log Transformed Data	0.167
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.99	Correlation Coefficient R	0.989
Approximate Shapiro Wilk Test Statistic	0.965	Shapiro Wilk Test Statistic	0.978
Approximate Shapiro Wilk P Value	7.83E-02	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.0855	Approximate Shapiro Wilk P Value	7.64E-01
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.114
		Lilliefors Critical (0.95) Value	0.148
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	36	89		
Number of Distinct Observations	34	83		
Minimum	3.56	3.79		
Maximum	7.56	8.57		
Mean	5.545	5.687		
Median	5.643	5.675		
SD	0.888	1.063		
SE of Mean	0.148	0.113		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	123	-0.71	1.657	0.761
Satterthwaite (Unequal Variance)	77.1	-0.767	1.665	0.777
Pooled SD 1.016				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

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Turbidity

SR2 - Dry Season Turbidity at Mid-Flood (NTU)

No Dredging Work				With Dredging Works	
Date	Turbidity NTU	Date	Turbidity NTU	Date	Turbidity NTU
26-Dec-2015	2.9	11-Nov-2017	3.4	21-Nov-2015	1.6
29-Dec-2015	2.7	14-Nov-2017	6.1	24-Dec-2015	2.3
31-Dec-2015	1.7	16-Nov-2017	4.6	9-Jan-2016	0.5
12-Jan-2016	0.7	18-Nov-2017	3.8	25-Feb-2017	2.1
14-Jan-2016	0.5			4-Nov-2017	5.4
26-Mar-2016	2.0			21-Nov-2017	4.7
29-Mar-2016	1.5				
24-Dec-2016	0.8				
27-Dec-2016	1.6				
31-Dec-2016	2.0				
3-Jan-2017	2.2				
7-Jan-2017	1.7				
10-Jan-2017	1.7				
14-Jan-2017	4.1				
17-Jan-2017	3.0				
19-Jan-2017	1.4				
21-Jan-2017	1.0				
23-Jan-2017	1.3				
25-Jan-2017	1.8				
27-Jan-2017	3.1				
31-Jan-2017	3.1				
2-Feb-2017	3.3				
4-Feb-2017	2.0				
7-Feb-2017	1.6				
9-Feb-2017	2.4				
11-Feb-2017	3.1				
14-Feb-2017	2.4				
16-Feb-2017	1.2				
18-Feb-2017	0.7				
21-Feb-2017	0.9				
23-Feb-2017	0.7				
28-Feb-2017	0.3				
2-Mar-2017	1.9				
4-Mar-2017	0.8				
7-Mar-2017	0.8				
9-Mar-2017	1.0				
11-Mar-2017	0.3				
14-Mar-2017	0.7				
16-Mar-2017	0.4				
18-Mar-2017	1.1				
21-Mar-2017	0.7				
23-Mar-2017	0.1				
25-Mar-2017	0.3				
28-Mar-2017	1.3				
30-Mar-2017	0.5				
2-Nov-2017	5.3				
7-Nov-2017	2.0				
9-Nov-2017	2.1				

SR2 - Dry Season Turbidity at Mid-Flood (NTU)

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	51	Number of Distinct Observations	6
Minimum	0.1	Minimum	0.467
Maximum	6.117	Maximum	5.433
Mean of Raw Data	1.854	Mean of Raw Data	2.767
Standard Deviation of Raw Data	1.328	Standard Deviation of Raw Data	1.902
Kstar	1.788	Kstar	1.136
Mean of Log Transformed Data	0.329	Mean of Log Transformed Data	0.754
Standard Deviation of Log Transformed Data	0.843	Standard Deviation of Log Transformed Data	0.882
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.954	Correlation Coefficient R	0.964
Approximate Shapiro Wilk Test Statistic	0.907	Shapiro Wilk Test Statistic	0.921
Approximate Shapiro Wilk P Value	4.26E-04	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.119	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.257
		Lilliefors Critical (0.95) Value	0.362
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	6	52		
Number of Distinct Observations	6	51		
Minimum	0.467	0.1		
Maximum	5.433	6.117		
Mean	2.767	1.854		
Median	2.208	1.633		
SD	1.902	1.328		
SE of Mean	0.777	0.184		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	56	1.524	1.673	0.067
Satterthwaite (Unequal Variance)	5.6	1.143	1.943	0.15
Pooled SD 1.389				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR2 - Wet Season Turbidity at Mid-Flood (NTU)

No Dredging Work				With Dredging Works	
Date	Turbidity NTU	Date	Turbidity NTU	Date	Turbidity NTU
4-Jun-2015	2.4	3-Jun-2017	0.4	2-Jun-2015	3.9
11-Jun-2015	0.4	6-Jun-2017	1.6	3-Sep-2015	2.0
14-Jul-2015	2.7	8-Jun-2017	1.5	12-Sep-2015	4.6
16-Jul-2015	4.6	10-Jun-2017	0.8	26-Sep-2015	4.2
18-Jul-2015	3.0	20-Jun-2017	1.7	6-Oct-2015	2.4
25-Jul-2015	2.3	22-Jun-2017	1.3	16-Apr-2016	0.6
1-Sep-2015	5.1	24-Jun-2017	1.1	4-Jun-2016	0.8
2-Apr-2016	1.0	27-Jun-2017	1.4	18-Jun-2016	1.7
14-Apr-2016	0.9	4-Jul-2017	0.5	2-Jul-2016	0.5
3-May-2016	1.3	6-Jul-2017	0.6	9-Jul-2016	2.4
7-May-2016	4.5	8-Jul-2017	1.3	12-Jul-2016	1.0
2-Jun-2016	0.4	15-Jul-2017	1.6	20-Apr-2017	0.8
14-Jul-2016	0.7	18-Jul-2017	1.1	29-Apr-2017	2.8
16-Jul-2016	3.3	20-Jul-2017	1.0	6-May-2017	1.5
19-Jul-2016	3.2	22-Jul-2017	2.2	11-May-2017	1.4
21-Jul-2016	1.5	25-Jul-2017	1.3	25-May-2017	2.8
23-Jul-2016	0.8	27-Jul-2017	3.4	15-Jun-2017	2.3
26-Jul-2016	1.3	29-Jul-2017	3.1	17-Jun-2017	0.8
28-Jul-2016	1.0	5-Aug-2017	1.2	29-Jun-2017	1.2
30-Jul-2016	4.0	15-Aug-2017	1.5	1-Jul-2017	2.0
4-Aug-2016	3.5	17-Aug-2017	0.7	11-Jul-2017	1.0
6-Aug-2016	1.2	19-Aug-2017	1.1	18-Jul-2017	1.1
9-Aug-2016	1.4	22-Aug-2017	1.8	20-Jul-2017	1.0
11-Aug-2016	1.9	24-Aug-2017	0.7	1-Aug-2017	1.5
13-Aug-2016	0.9	26-Aug-2017	1.3	3-Aug-2017	2.1
16-Aug-2016	2.8	29-Aug-2017	10.1	10-Aug-2017	0.4
20-Aug-2016	1.4	31-Aug-2017	1.6	7-Sep-2017	9.0
1-Apr-2017	0.8	2-Sep-2017	8.5	21-Sep-2017	10.3
4-Apr-2017	0.6	5-Sep-2017	12.4	23-Sep-2017	0.7
6-Apr-2017	0.4	9-Sep-2017	9.9	28-Sep-2017	9.7
8-Apr-2017	1.0	12-Sep-2017	5.9	12-Oct-2017	9.0
11-Apr-2017	1.2	14-Sep-2017	7.3	19-Oct-2017	10.5
13-Apr-2017	1.7	16-Sep-2017	1.8	21-Oct-2017	4.0
18-Apr-2017	1.2	19-Sep-2017	10.2	26-Oct-2017	1.9
22-Apr-2017	0.9	30-Sep-2017	8.5	28-Oct-2017	2.5
25-Apr-2017	4.6	3-Oct-2017	1.2	31-Oct-2017	2.0
27-Apr-2017	3.9	5-Oct-2017	1.4		
2-May-2017	2.4	7-Oct-2017	4.1		
4-May-2017	2.5	14-Oct-2017	7.0		
9-May-2017	1.6	17-Oct-2017	1.3		
13-May-2017	2.6	24-Oct-2017	2.0		
16-May-2017	0.4				
18-May-2017	0.5				
20-May-2017	0.5				
23-May-2017	0.7				
27-May-2017	0.8				
30-May-2017	0.6				
1-Jun-2017	1.2				

SR2 - Wet Season Turbidity at Mid-Flood (NTU)

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	81	Number of Distinct Observations	34
Minimum	0.367	Minimum	0.433
Maximum	12.43	Maximum	10.48
Mean of Raw Data	2.409	Mean of Raw Data	2.96
Standard Deviation of Raw Data	2.508	Standard Deviation of Raw Data	2.959
Kstar	1.4	Kstar	1.312
Mean of Log Transformed Data	0.494	Mean of Log Transformed Data	0.691
Standard Deviation of Log Transformed Data	0.846	Standard Deviation of Log Transformed Data	0.88
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.843	Correlation Coefficient R	0.856
Approximate Shapiro Wilk Test Statistic	0.713	Shapiro Wilk Test Statistic	0.724
Approximate Shapiro Wilk P Value	0.00E+00	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.234	Approximate Shapiro Wilk P Value	4.19E-08
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.267
		Lilliefors Critical (0.95) Value	0.148
Data not Normal at (0.05) Significance Level		Data not Normal at (0.05) Significance Level	

Wilcoxon-Mann-Whitney Site vs Background Comparison Test for Full Data Sets without NDs		
User Selected Options		
Full Precision	OFF	
Confidence Coefficient	95%	
Substantial Difference	0%	
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)	
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median	
Area of Concern Data: With Dredging Works		
Background Data: No Dredging Work		
Raw Statistics		
	Site	Background
Number of Valid Observations	36	89
Number of Distinct Observations	34	81
Minimum	0.433	0.367
Maximum	10.48	12.43
Mean	2.96	2.409
Median	1.994	1.433
SD	2.959	2.508
SE of Mean	0.493	0.266
Wilcoxon-Mann-Whitney (WMW) Test		
H0: Mean/Median of Site or AOC <= Mean/Median of Background		
Site Rank Sum W-Stat	2486	
WMW Test U-Stat	1.183	
WMW Critical Value (0.050)	1.645	
P-Value	0.118	
Conclusion with Alpha = 0.05		
Do Not Reject H0, Conclude Site <= Background		
P-Value >= alpha (0.05)		

SR2 - Dry Season Turbidity at Mid-Ebb (NTU)

No Dredging Work				With Dredging Works	
Date	Turbidity NTU	Date	Turbidity NTU	Date	Turbidity NTU
26-Dec-2015	3.6	11-Nov-2017	3.4	21-Nov-2015	2.2
29-Dec-2015	1.3	14-Nov-2017	5.7	24-Dec-2015	2.1
31-Dec-2015	1.2	16-Nov-2017	4.5	9-Jan-2016	0.2
12-Jan-2016	0.3	18-Nov-2017	5.1	25-Feb-2017	2.1
14-Jan-2016	0.3			4-Nov-2017	6.6
26-Mar-2016	2.1			21-Nov-2017	5.1
29-Mar-2016	1.3				
24-Dec-2016	0.8				
27-Dec-2016	1.9				
31-Dec-2016	2.3				
3-Jan-2017	2.5				
7-Jan-2017	1.8				
10-Jan-2017	1.6				
14-Jan-2017	3.0				
17-Jan-2017	2.6				
19-Jan-2017	1.9				
21-Jan-2017	1.0				
23-Jan-2017	1.4				
25-Jan-2017	1.4				
27-Jan-2017	2.0				
31-Jan-2017	3.2				
2-Feb-2017	3.3				
4-Feb-2017	1.8				
7-Feb-2017	1.4				
9-Feb-2017	2.3				
11-Feb-2017	2.6				
14-Feb-2017	2.4				
16-Feb-2017	1.2				
18-Feb-2017	0.7				
21-Feb-2017	0.6				
23-Feb-2017	0.7				
28-Feb-2017	0.4				
2-Mar-2017	2.0				
4-Mar-2017	0.9				
7-Mar-2017	0.9				
9-Mar-2017	0.9				
11-Mar-2017	0.4				
14-Mar-2017	0.8				
16-Mar-2017	0.5				
18-Mar-2017	0.6				
21-Mar-2017	0.9				
23-Mar-2017	0.3				
25-Mar-2017	0.5				
28-Mar-2017	1.4				
30-Mar-2017	0.6				
2-Nov-2017	5.8				
7-Nov-2017	2.0				
9-Nov-2017	2.1				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	49	Number of Distinct Observations	6
Minimum	0.267	Minimum	0.233
Maximum	5.8	Maximum	6.567
Mean of Raw Data	1.81	Mean of Raw Data	3.044
Standard Deviation of Raw Data	1.347	Standard Deviation of Raw Data	2.324
Kstar	1.873	Kstar	0.818
Mean of Log Transformed Data	0.319	Mean of Log Transformed Data	0.719
Standard Deviation of Log Transformed Data	0.779	Standard Deviation of Log Transformed Data	1.176
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.936	Correlation Coefficient R	0.947
Approximate Shapiro Wilk Test Statistic	0.867	Shapiro Wilk Test Statistic	0.9
Approximate Shapiro Wilk P Value	4.46E-06	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.129	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.309
		Lilliefors Critical (0.95) Value	0.362
Data not Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

Wilcoxon-Mann-Whitney Site vs Background Comparison Test for Full Data Sets without NDs		
User Selected Options		
Full Precision	OFF	
Confidence Coefficient	95%	
Substantial Difference	0%	
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)	
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median	
Area of Concern Data: With Dredging Works		
Background Data: No Dredging Work		
Raw Statistics		
	Site	Background
Number of Valid Observations	6	52
Number of Distinct Observations	6	49
Minimum	0.233	0.267
Maximum	6.567	5.8
Mean	3.044	1.81
Median	2.167	1.417
SD	2.324	1.347
SE of Mean	0.949	0.187
Wilcoxon-Mann-Whitney (WMW) Test		
H0: Mean/Median of Site or AOC <= Mean/Median of Background		
Site Rank Sum W-Stat	231	
WMW Test U-Stat	1.366	
WMW Critical Value (0.050)	1.645	
P-Value	0.086	
Conclusion with Alpha = 0.05		
Do Not Reject H0, Conclude Site <= Background		
P-Value >= alpha (0.05)		

SR2 - Wet Season Turbidity at Mid-Ebb (NTU)

No Dredging Work				With Dredging Works	
Date	Turbidity NTU	Date	Turbidity NTU	Date	Turbidity NTU
4-Jun-2015	0.9	3-Jun-2017	0.4	2-Jun-2015	4.1
11-Jun-2015	0.8	6-Jun-2017	1.4	3-Sep-2015	1.1
14-Jul-2015	3.6	8-Jun-2017	1.6	12-Sep-2015	4.6
16-Jul-2015	3.6	10-Jun-2017	0.3	26-Sep-2015	3.7
18-Jul-2015	2.3	20-Jun-2017	1.4	6-Oct-2015	2.8
25-Jul-2015	2.9	22-Jun-2017	1.3	16-Apr-2016	0.7
1-Sep-2015	4.2	24-Jun-2017	1.0	4-Jun-2016	1.0
2-Apr-2016	0.6	27-Jun-2017	1.2	18-Jun-2016	2.3
14-Apr-2016	0.9	4-Jul-2017	0.5	2-Jul-2016	0.7
3-May-2016	0.9	6-Jul-2017	0.7	9-Jul-2016	2.4
7-May-2016	5.5	8-Jul-2017	1.4	12-Jul-2016	0.6
2-Jun-2016	0.2	15-Jul-2017	1.6	20-Apr-2017	0.7
14-Jul-2016	0.8	18-Jul-2017	2.1	29-Apr-2017	2.9
16-Jul-2016	4.0	20-Jul-2017	0.9	6-May-2017	1.3
19-Jul-2016	3.4	22-Jul-2017	2.0	11-May-2017	1.5
21-Jul-2016	1.4	25-Jul-2017	0.9	25-May-2017	2.8
23-Jul-2016	0.3	27-Jul-2017	3.7	15-Jun-2017	2.4
26-Jul-2016	0.8	29-Jul-2017	2.6	17-Jun-2017	0.5
28-Jul-2016	1.6	5-Aug-2017	1.3	29-Jun-2017	1.3
30-Jul-2016	1.7	15-Aug-2017	1.4	1-Jul-2017	2.0
4-Aug-2016	5.3	17-Aug-2017	0.7	11-Jul-2017	0.9
6-Aug-2016	0.8	19-Aug-2017	1.0	18-Jul-2017	2.1
9-Aug-2016	1.6	22-Aug-2017	1.8	20-Jul-2017	0.9
11-Aug-2016	2.9	24-Aug-2017	0.7	1-Aug-2017	1.3
13-Aug-2016	0.4	26-Aug-2017	1.6	3-Aug-2017	2.1
16-Aug-2016	2.3	29-Aug-2017	10.2	10-Aug-2017	0.4
20-Aug-2016	1.5	31-Aug-2017	1.3	7-Sep-2017	9.3
1-Apr-2017	0.7	2-Sep-2017	8.2	21-Sep-2017	10.2
4-Apr-2017	0.9	5-Sep-2017	12.3	23-Sep-2017	0.7
6-Apr-2017	0.3	9-Sep-2017	10.4	28-Sep-2017	9.2
8-Apr-2017	0.8	12-Sep-2017	5.9	12-Oct-2017	9.1
11-Apr-2017	0.8	14-Sep-2017	7.3	19-Oct-2017	10.4
13-Apr-2017	2.1	16-Sep-2017	1.8	21-Oct-2017	4.0
18-Apr-2017	1.4	19-Sep-2017	10.1	26-Oct-2017	1.9
22-Apr-2017	1.2	30-Sep-2017	8.4	28-Oct-2017	2.0
25-Apr-2017	4.5	3-Oct-2017	1.2	31-Oct-2017	2.0
27-Apr-2017	3.7	5-Oct-2017	0.7		
2-May-2017	1.8	7-Oct-2017	4.3		
4-May-2017	1.1	14-Oct-2017	7.1		
9-May-2017	1.8	17-Oct-2017	0.9		
13-May-2017	1.4	24-Oct-2017	2.0		
16-May-2017	0.7				
18-May-2017	0.5				
20-May-2017	0.8				
23-May-2017	0.7				
27-May-2017	0.9				
30-May-2017	1.5				
1-Jun-2017	1.2				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	77	Number of Distinct Observations	35
Minimum	0.2	Minimum	0.417
Maximum	12.28	Maximum	10.37
Mean of Raw Data	2.347	Mean of Raw Data	2.939
Standard Deviation of Raw Data	2.543	Standard Deviation of Raw Data	2.926
Kstar	1.292	Kstar	1.297
Mean of Log Transformed Data	0.432	Mean of Log Transformed Data	0.678
Standard Deviation of Log Transformed Data	0.89	Standard Deviation of Log Transformed Data	0.891
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.839	Correlation Coefficient R	0.859
Approximate Shapiro Wilk Test Statistic	0.706	Shapiro Wilk Test Statistic	0.73
Approximate Shapiro Wilk P Value	0.00E+00	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.263	Approximate Shapiro Wilk P Value	5.69E-08
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.258
		Lilliefors Critical (0.95) Value	0.148
Data not Normal at (0.05) Significance Level		Data not Normal at (0.05) Significance Level	

Wilcoxon-Mann-Whitney Site vs Background Comparison Test for Full Data Sets without NDs		
User Selected Options		
Full Precision	OFF	
Confidence Coefficient	95%	
Substantial Difference	0%	
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)	
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median	
Area of Concern Data: With Dredging Works		
Background Data: No Dredging Work		
Raw Statistics		
	Site	Background
Number of Valid Observations	36	89
Number of Distinct Observations	35	77
Minimum	0.417	0.2
Maximum	10.37	12.28
Mean	2.939	2.347
Median	2.041	1.417
SD	2.926	2.543
SE of Mean	0.488	0.27
Wilcoxon-Mann-Whitney (WMW) Test		
H0: Mean/Median of Site or AOC <= Mean/Median of Background		
Site Rank Sum W-Stat	2531	
WMW Test U-Stat	1.431	
WMW Critical Value (0.050)	1.645	
P-Value	0.0762	
Conclusion with Alpha = 0.05		
Do Not Reject H0, Conclude Site <= Background		
P-Value >= alpha (0.05)		

SR3 - Dry Season Turbidity at Mid-Flood (NTU)

No Dredging Work				With Dredging Works	
Date	Turbidity NTU	Date	Turbidity NTU	Date	Turbidity NTU
26-Dec-2015	3.2	11-Nov-2017	3.8	21-Nov-2015	1.6
29-Dec-2015	2.2	14-Nov-2017	5.3	24-Dec-2015	2.2
31-Dec-2015	1.6	16-Nov-2017	4.7	9-Jan-2016	0.4
12-Jan-2016	0.5	18-Nov-2017	2.8	25-Feb-2017	2.9
14-Jan-2016	0.5			4-Nov-2017	4.5
26-Mar-2016	2.8			21-Nov-2017	6.2
29-Mar-2016	1.1				
24-Dec-2016	1.1				
27-Dec-2016	1.4				
31-Dec-2016	1.4				
3-Jan-2017	2.6				
7-Jan-2017	1.7				
10-Jan-2017	1.2				
14-Jan-2017	3.4				
17-Jan-2017	2.0				
19-Jan-2017	1.8				
21-Jan-2017	1.3				
23-Jan-2017	1.8				
25-Jan-2017	1.8				
27-Jan-2017	3.2				
31-Jan-2017	3.3				
2-Feb-2017	3.7				
4-Feb-2017	2.7				
7-Feb-2017	2.2				
9-Feb-2017	3.4				
11-Feb-2017	5.2				
14-Feb-2017	4.0				
16-Feb-2017	1.9				
18-Feb-2017	1.1				
21-Feb-2017	0.7				
23-Feb-2017	0.5				
28-Feb-2017	2.9				
2-Mar-2017	2.2				
4-Mar-2017	0.9				
7-Mar-2017	0.8				
9-Mar-2017	0.8				
11-Mar-2017	0.9				
14-Mar-2017	1.6				
16-Mar-2017	1.7				
18-Mar-2017	0.3				
21-Mar-2017	1.2				
23-Mar-2017	0.3				
25-Mar-2017	1.0				
28-Mar-2017	2.1				
30-Mar-2017	0.6				
2-Nov-2017	6.6				
7-Nov-2017	1.8				
9-Nov-2017	1.7				

SR3 - Dry Season Turbidity at Mid-Flood (NTU)

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	49	Number of Distinct Observations	6
Minimum	0.317	Minimum	0.4
Maximum	6.583	Maximum	6.183
Mean of Raw Data	2.098	Mean of Raw Data	2.972
Standard Deviation of Raw Data	1.386	Standard Deviation of Raw Data	2.081
Kstar	2.261	Kstar	1.03
Mean of Log Transformed Data	0.517	Mean of Log Transformed Data	0.793
Standard Deviation of Log Transformed Data	0.71	Standard Deviation of Log Transformed Data	0.965
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.954	Correlation Coefficient R	0.986
Approximate Shapiro Wilk Test Statistic	0.907	Shapiro Wilk Test Statistic	0.971
Approximate Shapiro Wilk P Value	3.91E-04	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.144	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.177
		Lilliefors Critical (0.95) Value	0.362
Data not Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

Wilcoxon-Mann-Whitney Site vs Background Comparison Test for Full Data Sets without NDs		
User Selected Options		
Full Precision	OFF	
Confidence Coefficient	95%	
Substantial Difference	0%	
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)	
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median	
Area of Concern Data: With Dredging Works		
Background Data: No Dredging Work		
Raw Statistics		
	Site	Background
Number of Valid Observations	6	52
Number of Distinct Observations	6	49
Minimum	0.4	0.317
Maximum	6.183	6.583
Mean	2.972	2.098
Median	2.558	1.767
SD	2.081	1.386
SE of Mean	0.85	0.192
Wilcoxon-Mann-Whitney (WMW) Test		
H0: Mean/Median of Site or AOC <= Mean/Median of Background		
Site Rank Sum W-Stat	218	
WMW Test U-Stat	1.034	
WMW Critical Value (0.050)	1.645	
P-Value	0.151	
Conclusion with Alpha = 0.05		
Do Not Reject H0, Conclude Site <= Background		
P-Value >= alpha (0.05)		

SR3 - Wet Season Turbidity at Mid-Flood (NTU)

No Dredging Work				With Dredging Works	
Date	Turbidity NTU	Date	Turbidity NTU	Date	Turbidity NTU
4-Jun-2015	2.0	3-Jun-2017	0.3	2-Jun-2015	3.3
11-Jun-2015	0.1	6-Jun-2017	1.4	3-Sep-2015	1.5
14-Jul-2015	2.2	8-Jun-2017	1.5	12-Sep-2015	3.4
16-Jul-2015	3.2	10-Jun-2017	0.6	26-Sep-2015	3.2
18-Jul-2015	3.8	20-Jun-2017	1.7	6-Oct-2015	3.6
25-Jul-2015	3.4	22-Jun-2017	2.0	16-Apr-2016	2.6
1-Sep-2015	2.0	24-Jun-2017	1.6	4-Jun-2016	1.3
2-Apr-2016	1.0	27-Jun-2017	3.8	18-Jun-2016	2.3
14-Apr-2016	2.4	4-Jul-2017	0.6	2-Jul-2016	1.2
3-May-2016	2.4	6-Jul-2017	1.5	9-Jul-2016	2.0
7-May-2016	4.9	8-Jul-2017	1.8	12-Jul-2016	1.3
2-Jun-2016	0.5	15-Jul-2017	1.5	20-Apr-2017	1.1
14-Jul-2016	0.7	18-Jul-2017	0.3	29-Apr-2017	2.6
16-Jul-2016	2.4	20-Jul-2017	0.6	6-May-2017	1.2
19-Jul-2016	3.5	22-Jul-2017	1.1	11-May-2017	1.4
21-Jul-2016	2.0	25-Jul-2017	1.2	25-May-2017	2.6
23-Jul-2016	1.3	27-Jul-2017	3.3	15-Jun-2017	1.9
26-Jul-2016	1.0	29-Jul-2017	3.0	17-Jun-2017	0.7
28-Jul-2016	2.0	5-Aug-2017	1.4	29-Jun-2017	2.0
30-Jul-2016	3.9	15-Aug-2017	2.0	1-Jul-2017	0.7
4-Aug-2016	1.9	17-Aug-2017	1.2	11-Jul-2017	0.6
6-Aug-2016	1.3	19-Aug-2017	3.0	18-Jul-2017	0.3
9-Aug-2016	1.9	22-Aug-2017	2.5	20-Jul-2017	0.6
11-Aug-2016	3.5	24-Aug-2017	1.4	1-Aug-2017	1.6
13-Aug-2016	0.7	26-Aug-2017	1.7	3-Aug-2017	2.1
16-Aug-2016	3.3	29-Aug-2017	10.6	10-Aug-2017	1.6
20-Aug-2016	1.1	31-Aug-2017	1.3	7-Sep-2017	10.1
1-Apr-2017	1.4	2-Sep-2017	9.3	21-Sep-2017	12.4
4-Apr-2017	0.6	5-Sep-2017	11.9	23-Sep-2017	1.4
6-Apr-2017	0.5	9-Sep-2017	9.0	28-Sep-2017	8.0
8-Apr-2017	0.6	12-Sep-2017	9.4	12-Oct-2017	8.6
11-Apr-2017	0.7	14-Sep-2017	7.9	19-Oct-2017	8.5
13-Apr-2017	2.1	16-Sep-2017	2.6	21-Oct-2017	4.7
18-Apr-2017	1.7	19-Sep-2017	7.9	26-Oct-2017	2.0
22-Apr-2017	1.9	30-Sep-2017	8.1	28-Oct-2017	2.1
25-Apr-2017	4.4	3-Oct-2017	1.6	31-Oct-2017	2.2
27-Apr-2017	3.1	5-Oct-2017	0.8		
2-May-2017	1.9	7-Oct-2017	3.7		
4-May-2017	0.5	14-Oct-2017	6.5		
9-May-2017	1.4	17-Oct-2017	1.2		
13-May-2017	0.9	24-Oct-2017	2.3		
16-May-2017	0.2				
18-May-2017	0.8				
20-May-2017	0.5				
23-May-2017	0.5				
27-May-2017	0.8				
30-May-2017	1.7				
1-Jun-2017	0.8				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	73	Number of Distinct Observations	34
Minimum	0.133	Minimum	0.3
Maximum	11.85	Maximum	12.42
Mean of Raw Data	2.472	Mean of Raw Data	2.96
Standard Deviation of Raw Data	2.467	Standard Deviation of Raw Data	2.892
Kstar	1.372	Kstar	1.448
Mean of Log Transformed Data	0.511	Mean of Log Transformed Data	0.732
Standard Deviation of Log Transformed Data	0.905	Standard Deviation of Log Transformed Data	0.835
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.858	Correlation Coefficient R	0.849
Approximate Shapiro Wilk Test Statistic	0.737	Shapiro Wilk Test Statistic	0.726
Approximate Shapiro Wilk P Value	0.00E+00	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.223	Approximate Shapiro Wilk P Value	4.63E-08
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.267
		Lilliefors Critical (0.95) Value	0.148
Data not Normal at (0.05) Significance Level		Data not Normal at (0.05) Significance Level	

Wilcoxon-Mann-Whitney Site vs Background Comparison Test for Full Data Sets without NDs		
User Selected Options		
Full Precision	OFF	
Confidence Coefficient	95%	
Substantial Difference	0%	
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)	
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median	
Area of Concern Data: With Dredging Works		
Background Data: No Dredging Work		
Raw Statistics		
	Site	Background
Number of Valid Observations	36	89
Number of Distinct Observations	34	73
Minimum	0.3	0.133
Maximum	12.42	11.85
Mean	2.96	2.472
Median	1.975	1.7
SD	2.892	2.467
SE of Mean	0.482	0.262
Wilcoxon-Mann-Whitney (WMW) Test		
H0: Mean/Median of Site or AOC <= Mean/Median of Background		
Site Rank Sum W-Stat	2481	
WMW Test U-Stat	1.156	
WMW Critical Value (0.050)	1.645	
P-Value	0.124	
Conclusion with Alpha = 0.05		
Do Not Reject H0, Conclude Site <= Background		
P-Value >= alpha (0.05)		

SR3 - Dry Season Turbidity at Mid-Ebb (NTU)

No Dredging Work				With Dredging Works	
Date	Turbidity NTU	Date	Turbidity NTU	Date	Turbidity NTU
26-Dec-2015	4.1	11-Nov-2017	3.8	21-Nov-2015	1.4
29-Dec-2015	2.0	14-Nov-2017	5.2	24-Dec-2015	2.1
31-Dec-2015	1.6	16-Nov-2017	4.7	9-Jan-2016	0.9
12-Jan-2016	0.6	18-Nov-2017	4.4	25-Feb-2017	2.6
14-Jan-2016	0.5			4-Nov-2017	5.3
26-Mar-2016	2.3			21-Nov-2017	5.7
29-Mar-2016	0.9				
24-Dec-2016	1.1				
27-Dec-2016	2.4				
31-Dec-2016	2.4				
3-Jan-2017	2.5				
7-Jan-2017	1.7				
10-Jan-2017	1.8				
14-Jan-2017	2.4				
17-Jan-2017	3.0				
19-Jan-2017	3.2				
21-Jan-2017	1.6				
23-Jan-2017	1.7				
25-Jan-2017	1.9				
27-Jan-2017	2.2				
31-Jan-2017	3.4				
2-Feb-2017	4.5				
4-Feb-2017	3.0				
7-Feb-2017	1.7				
9-Feb-2017	3.4				
11-Feb-2017	5.0				
14-Feb-2017	2.9				
16-Feb-2017	2.0				
18-Feb-2017	1.0				
21-Feb-2017	0.8				
23-Feb-2017	0.5				
28-Feb-2017	1.0				
2-Mar-2017	2.5				
4-Mar-2017	0.9				
7-Mar-2017	1.0				
9-Mar-2017	0.7				
11-Mar-2017	1.0				
14-Mar-2017	0.3				
16-Mar-2017	0.5				
18-Mar-2017	0.4				
21-Mar-2017	0.8				
23-Mar-2017	0.2				
25-Mar-2017	0.9				
28-Mar-2017	0.6				
30-Mar-2017	0.8				
2-Nov-2017	2.4				
7-Nov-2017	2.1				
9-Nov-2017	2.2				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	50	Number of Distinct Observations	6
Minimum	0.233	Minimum	0.933
Maximum	5.15	Maximum	5.667
Mean of Raw Data	2.003	Mean of Raw Data	2.986
Standard Deviation of Raw Data	1.329	Standard Deviation of Raw Data	2.002
Kstar	1.983	Kstar	1.416
Mean of Log Transformed Data	0.437	Mean of Log Transformed Data	0.89
Standard Deviation of Log Transformed Data	0.783	Standard Deviation of Log Transformed Data	0.716
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.966	Correlation Coefficient R	0.944
Approximate Shapiro Wilk Test Statistic	0.915	Shapiro Wilk Test Statistic	0.868
Approximate Shapiro Wilk P Value	9.90E-04	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.144	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.243
		Lilliefors Critical (0.95) Value	0.362
Data not Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

Wilcoxon-Mann-Whitney Site vs Background Comparison Test for Full Data Sets without NDs		
User Selected Options		
Full Precision	OFF	
Confidence Coefficient	95%	
Substantial Difference	0%	
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)	
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median	
Area of Concern Data: With Dredging Works		
Background Data: No Dredging Work		
Raw Statistics		
	Site	Background
Number of Valid Observations	6	52
Number of Distinct Observations	6	50
Minimum	0.933	0.233
Maximum	5.667	5.15
Mean	2.986	2.003
Median	2.333	1.817
SD	2.002	1.329
SE of Mean	0.817	0.184
Wilcoxon-Mann-Whitney (WMW) Test		
H0: Mean/Median of Site or AOC <= Mean/Median of Background		
Site Rank Sum W-Stat	226.5	
WMW Test U-Stat	1.251	
WMW Critical Value (0.050)	1.645	
P-Value	0.105	
Conclusion with Alpha = 0.05		
Do Not Reject H0, Conclude Site <= Background		
P-Value >= alpha (0.05)		

SR3 - Wet Season Turbidity at Mid-Ebb (NTU)

No Dredging Work				With Dredging Works	
Date	Turbidity NTU	Date	Turbidity NTU	Date	Turbidity NTU
4-Jun-2015	1.2	3-Jun-2017	0.2	2-Jun-2015	3.1
11-Jun-2015	0.7	6-Jun-2017	1.6	3-Sep-2015	1.5
14-Jul-2015	2.4	8-Jun-2017	1.6	12-Sep-2015	2.9
16-Jul-2015	4.0	10-Jun-2017	0.5	26-Sep-2015	5.2
18-Jul-2015	2.9	20-Jun-2017	2.1	6-Oct-2015	1.8
25-Jul-2015	2.8	22-Jun-2017	1.7	16-Apr-2016	0.6
1-Sep-2015	7.1	24-Jun-2017	1.5	4-Jun-2016	0.8
2-Apr-2016	0.8	27-Jun-2017	1.2	18-Jun-2016	2.8
14-Apr-2016	1.8	4-Jul-2017	0.5	2-Jul-2016	0.5
3-May-2016	1.0	6-Jul-2017	1.4	9-Jul-2016	1.8
7-May-2016	5.6	8-Jul-2017	1.6	12-Jul-2016	1.1
2-Jun-2016	0.2	15-Jul-2017	1.6	20-Apr-2017	1.1
14-Jul-2016	0.5	18-Jul-2017	0.2	29-Apr-2017	2.6
16-Jul-2016	3.4	20-Jul-2017	0.9	6-May-2017	1.0
19-Jul-2016	2.7	22-Jul-2017	1.2	11-May-2017	1.5
21-Jul-2016	1.0	25-Jul-2017	0.7	25-May-2017	2.2
23-Jul-2016	1.4	27-Jul-2017	3.5	15-Jun-2017	2.8
26-Jul-2016	1.3	29-Jul-2017	3.8	17-Jun-2017	0.9
28-Jul-2016	0.8	5-Aug-2017	1.5	29-Jun-2017	2.2
30-Jul-2016	1.7	15-Aug-2017	1.6	1-Jul-2017	0.8
4-Aug-2016	5.0	17-Aug-2017	1.4	11-Jul-2017	0.7
6-Aug-2016	1.0	19-Aug-2017	1.9	18-Jul-2017	0.2
9-Aug-2016	1.4	22-Aug-2017	2.6	20-Jul-2017	0.9
11-Aug-2016	1.7	24-Aug-2017	1.2	1-Aug-2017	1.3
13-Aug-2016	0.4	26-Aug-2017	2.0	3-Aug-2017	1.2
16-Aug-2016	1.2	29-Aug-2017	10.6	10-Aug-2017	0.7
20-Aug-2016	2.1	31-Aug-2017	1.6	7-Sep-2017	10.6
1-Apr-2017	1.0	2-Sep-2017	9.1	21-Sep-2017	12.7
4-Apr-2017	0.7	5-Sep-2017	11.8	23-Sep-2017	1.2
6-Apr-2017	0.4	9-Sep-2017	9.3	28-Sep-2017	6.4
8-Apr-2017	0.5	12-Sep-2017	9.0	12-Oct-2017	8.3
11-Apr-2017	0.6	14-Sep-2017	7.9	19-Oct-2017	13.8
13-Apr-2017	1.6	16-Sep-2017	2.5	21-Oct-2017	4.8
18-Apr-2017	1.5	19-Sep-2017	10.5	26-Oct-2017	2.0
22-Apr-2017	1.4	30-Sep-2017	6.2	28-Oct-2017	1.5
25-Apr-2017	4.3	3-Oct-2017	1.4	31-Oct-2017	1.5
27-Apr-2017	3.3	5-Oct-2017	1.0		
2-May-2017	2.2	7-Oct-2017	3.5		
4-May-2017	0.4	14-Oct-2017	6.9		
9-May-2017	1.4	17-Oct-2017	1.5		
13-May-2017	0.7	24-Oct-2017	2.0		
16-May-2017	1.6				
18-May-2017	0.6				
20-May-2017	0.4				
23-May-2017	0.2				
27-May-2017	0.5				
30-May-2017	2.0				
1-Jun-2017	1.2				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	73	Number of Distinct Observations	35
Minimum	0.2	Minimum	0.2
Maximum	11.75	Maximum	13.77
Mean of Raw Data	2.413	Mean of Raw Data	2.916
Standard Deviation of Raw Data	2.587	Standard Deviation of Raw Data	3.38
Kstar	1.245	Kstar	1.117
Mean of Log Transformed Data	0.442	Mean of Log Transformed Data	0.598
Standard Deviation of Log Transformed Data	0.939	Standard Deviation of Log Transformed Data	0.951
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.845	Correlation Coefficient R	0.826
Approximate Shapiro Wilk Test Statistic	0.711	Shapiro Wilk Test Statistic	0.686
Approximate Shapiro Wilk P Value	0.00E+00	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.257	Approximate Shapiro Wilk P Value	5.37E-09
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.28
		Lilliefors Critical (0.95) Value	0.148
Data not Normal at (0.05) Significance Level		Data not Normal at (0.05) Significance Level	

Wilcoxon-Mann-Whitney Site vs Background Comparison Test for Full Data Sets without NDs			
User Selected Options			
Full Precision	OFF		
Confidence Coefficient	95%		
Substantial Difference	0%		
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)		
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median		
Area of Concern Data: With Dredging Works			
Background Data: No Dredging Work			
Raw Statistics			
	Site	Background	
Number of Valid Observations	36	89	
Number of Distinct Observations	35	73	
Minimum	0.2	0.2	
Maximum	13.77	11.75	
Mean	2.916	2.413	
Median	1.538	1.517	
SD	3.38	2.587	
SE of Mean	0.563	0.274	
Wilcoxon-Mann-Whitney (WMW) Test			
H0: Mean/Median of Site or AOC <= Mean/Median of Background			
Site Rank Sum W-Stat	2377		
WMW Test U-Stat	0.592		
WMW Critical Value (0.050)	1.645		
P-Value	0.277		
Conclusion with Alpha = 0.05			
Do Not Reject H0, Conclude Site <= Background			
P-Value >= alpha (0.05)			

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Total Suspended Solids

SR2 - Wet Season SS at Mid-Flood (mg/L)

No Dredging Work				With Dredging Works	
Date	SS mg/L	Date	SS mg/L	Date	SS mg/L
4-Jun-2015	1.8	3-Jun-2017	2.3	2-Jun-2015	5.3
11-Jun-2015	2.7	6-Jun-2017	2.2	3-Sep-2015	6.8
14-Jul-2015	2.7	8-Jun-2017	3.2	12-Sep-2015	9.0
16-Jul-2015	5.2	10-Jun-2017	4.8	26-Sep-2015	9.7
18-Jul-2015	3.8	20-Jun-2017	3.5	6-Oct-2015	3.5
25-Jul-2015	1.7	22-Jun-2017	2.7	16-Apr-2016	1.2
1-Sep-2015	5.2	24-Jun-2017	5.3	4-Jun-2016	4.0
2-Apr-2016	5.7	27-Jun-2017	6.3	18-Jun-2016	2.7
14-Apr-2016	3.3	4-Jul-2017	3.7	2-Jul-2016	3.7
3-May-2016	3.8	6-Jul-2017	2.8	9-Jul-2016	2.0
7-May-2016	9.0	8-Jul-2017	4.5	12-Jul-2016	5.0
2-Jun-2016	3.0	15-Jul-2017	3.3	20-Apr-2017	2.2
14-Jul-2016	3.0	18-Jul-2017	2.8	29-Apr-2017	7.0
16-Jul-2016	3.5	20-Jul-2017	4.8	6-May-2017	4.7
19-Jul-2016	5.7	22-Jul-2017	2.2	11-May-2017	3.0
21-Jul-2016	5.5	25-Jul-2017	3.3	25-May-2017	1.0
23-Jul-2016	5.7	27-Jul-2017	6.3	15-Jun-2017	2.0
26-Jul-2016	6.3	29-Jul-2017	4.5	17-Jun-2017	1.7
28-Jul-2016	3.5	5-Aug-2017	4.5	29-Jun-2017	6.8
30-Jul-2016	6.0	15-Aug-2017	4.3	1-Jul-2017	3.3
4-Aug-2016	1.5	17-Aug-2017	2.2	11-Jul-2017	4.3
6-Aug-2016	5.8	19-Aug-2017	6.2	18-Jul-2017	2.8
9-Aug-2016	2.8	22-Aug-2017	6.8	20-Jul-2017	4.8
11-Aug-2016	2.7	24-Aug-2017	9.2	1-Aug-2017	5.2
13-Aug-2016	2.5	26-Aug-2017	5.0	3-Aug-2017	3.0
16-Aug-2016	5.2	29-Aug-2017	5.8	10-Aug-2017	3.8
20-Aug-2016	2.0	31-Aug-2017	1.7	7-Sep-2017	5.3
1-Apr-2017	3.8	2-Sep-2017	3.3	21-Sep-2017	6.0
4-Apr-2017	6.8	5-Sep-2017	7.7	23-Sep-2017	3.8
6-Apr-2017	4.2	9-Sep-2017	6.7	28-Sep-2017	5.8
8-Apr-2017	5.8	12-Sep-2017	4.7	12-Oct-2017	4.5
11-Apr-2017	2.3	14-Sep-2017	1.3	19-Oct-2017	9.8
13-Apr-2017	5.3	16-Sep-2017	4.2	21-Oct-2017	7.7
18-Apr-2017	5.2	19-Sep-2017	8.8	26-Oct-2017	3.5
22-Apr-2017	3.7	30-Sep-2017	4.8	28-Oct-2017	5.3
25-Apr-2017	10.3	3-Oct-2017	4.5	31-Oct-2017	3.5
27-Apr-2017	10.3	5-Oct-2017	5.8		
2-May-2017	2.8	7-Oct-2017	6.5		
4-May-2017	2.2	14-Oct-2017	8.3		
9-May-2017	3.7	17-Oct-2017	10.3		
13-May-2017	5.5	24-Oct-2017	9.2		
16-May-2017	1.2				
18-May-2017	6.3				
20-May-2017	3.2				
23-May-2017	3.3				
27-May-2017	1.0				
30-May-2017	2.0				
1-Jun-2017	3.0				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	41	Number of Distinct Observations	28
Minimum	1	Minimum	1
Maximum	10.33	Maximum	9.833
Mean of Raw Data	4.517	Mean of Raw Data	4.551
Standard Deviation of Raw Data	2.2	Standard Deviation of Raw Data	2.24
Kstar	4.122	Kstar	3.691
Mean of Log Transformed Data	1.386	Mean of Log Transformed Data	1.385
Standard Deviation of Log Transformed Data	0.513	Standard Deviation of Log Transformed Data	0.545
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.972	Correlation Coefficient R	0.978
Approximate Shapiro Wilk Test Statistic	0.928	Shapiro Wilk Test Statistic	0.947
Approximate Shapiro Wilk P Value	5.30E-05	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.105	Approximate Shapiro Wilk P Value	1.09E-01
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.113
		Lilliefors Critical (0.95) Value	0.148
Data not Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

Wilcoxon-Mann-Whitney Site vs Background Comparison Test for Full Data Sets without NDs		
User Selected Options		
Full Precision	OFF	
Confidence Coefficient	95%	
Substantial Difference	0%	
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)	
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median	
Area of Concern Data: With Dredging Works		
Background Data: No Dredging Work		
Raw Statistics		
	Site	Background
Number of Valid Observations	36	89
Number of Distinct Observations	28	41
Minimum	1	1
Maximum	9.833	10.33
Mean	4.551	4.517
Median	4.167	4.167
SD	2.24	2.2
SE of Mean	0.373	0.233
Wilcoxon-Mann-Whitney (WMW) Test		
H0: Mean/Median of Site or AOC <= Mean/Median of Background		
Site Rank Sum W-Stat	2294	
WMW Test U-Stat	0.139	
WMW Critical Value (0.050)	1.645	
P-Value	0.445	
Conclusion with Alpha = 0.05		
Do Not Reject H0, Conclude Site <= Background		
P-Value >= alpha (0.05)		

SR2 - Dry Season SS at Mid-Ebb (mg/L)

No Dredging Work				With Dredging Works	
Date	SS mg/L	Date	SS mg/L	Date	SS mg/L
26-Dec-2015	3.5	11-Nov-2017	9.2	21-Nov-2015	5.5
29-Dec-2015	5.5	14-Nov-2017	8.0	24-Dec-2015	5.0
31-Dec-2015	6.2	16-Nov-2017	10.2	9-Jan-2016	1.8
12-Jan-2016	5.3	18-Nov-2017	5.3	25-Feb-2017	6.5
14-Jan-2016	3.3			4-Nov-2017	8.7
26-Mar-2016	3.7			21-Nov-2017	6.2
29-Mar-2016	3.2				
24-Dec-2016	3.7				
27-Dec-2016	4.5				
31-Dec-2016	6.7				
3-Jan-2017	10.3				
7-Jan-2017	7.7				
10-Jan-2017	5.2				
14-Jan-2017	4.7				
17-Jan-2017	6.8				
19-Jan-2017	6.3				
21-Jan-2017	5.0				
23-Jan-2017	5.3				
25-Jan-2017	6.7				
27-Jan-2017	6.0				
31-Jan-2017	9.2				
2-Feb-2017	4.5				
4-Feb-2017	4.3				
7-Feb-2017	6.2				
9-Feb-2017	7.3				
11-Feb-2017	3.5				
14-Feb-2017	7.5				
16-Feb-2017	5.0				
18-Feb-2017	1.2				
21-Feb-2017	1.7				
23-Feb-2017	2.2				
28-Feb-2017	3.2				
2-Mar-2017	4.2				
4-Mar-2017	3.2				
7-Mar-2017	6.8				
9-Mar-2017	3.3				
11-Mar-2017	3.7				
14-Mar-2017	6.3				
16-Mar-2017	3.7				
18-Mar-2017	4.8				
21-Mar-2017	2.2				
23-Mar-2017	3.0				
25-Mar-2017	6.3				
28-Mar-2017	5.0				
30-Mar-2017	8.3				
2-Nov-2017	4.0				
7-Nov-2017	11.0				
9-Nov-2017	8.5				

SR2 - Dry Season SS at Mid-Ebb (mg/L)

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	33	Number of Distinct Observations	6
Minimum	1.167	Minimum	1.833
Maximum	11	Maximum	8.667
Mean of Raw Data	5.426	Mean of Raw Data	5.611
Standard Deviation of Raw Data	2.281	Standard Deviation of Raw Data	2.24
Kstar	5.072	Kstar	2.788
Mean of Log Transformed Data	1.595	Mean of Log Transformed Data	1.628
Standard Deviation of Log Transformed Data	0.465	Standard Deviation of Log Transformed Data	0.535
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.987	Correlation Coefficient R	0.961
Approximate Shapiro Wilk Test Statistic	0.963	Shapiro Wilk Test Statistic	0.947
Approximate Shapiro Wilk P Value	2.01E-01	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.0932	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.226
		Lilliefors Critical (0.95) Value	0.362
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	6	52		
Number of Distinct Observations	6	33		
Minimum	1.833	1.167		
Maximum	8.667	11		
Mean	5.611	5.426		
Median	5.833	5.083		
SD	2.24	2.281		
SE of Mean	0.915	0.316		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	56	0.188	1.673	0.426
Satterthwaite (Unequal Variance)	6.3	0.191	1.943	0.427
Pooled SD 2.278				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR3 - Wet Season SS at Mid-Flood (mg/L)

No Dredging Work				With Dredging Works	
Date	SS mg/L	Date	SS mg/L	Date	SS mg/L
4-Jun-2015	1.3	3-Jun-2017	3.5	2-Jun-2015	4.0
11-Jun-2015	2.3	6-Jun-2017	3.2	3-Sep-2015	5.0
14-Jul-2015	3.3	8-Jun-2017	3.0	12-Sep-2015	7.5
16-Jul-2015	4.3	10-Jun-2017	6.2	26-Sep-2015	6.5
18-Jul-2015	3.7	20-Jun-2017	3.2	6-Oct-2015	5.5
25-Jul-2015	2.0	22-Jun-2017	2.8	16-Apr-2016	1.5
1-Sep-2015	4.5	24-Jun-2017	7.2	4-Jun-2016	4.7
2-Apr-2016	4.7	27-Jun-2017	6.5	18-Jun-2016	3.0
14-Apr-2016	3.7	4-Jul-2017	3.0	2-Jul-2016	4.2
3-May-2016	3.8	6-Jul-2017	3.7	9-Jul-2016	2.5
7-May-2016	12.3	8-Jul-2017	4.8	12-Jul-2016	3.3
2-Jun-2016	3.8	15-Jul-2017	3.2	20-Apr-2017	2.0
14-Jul-2016	2.3	18-Jul-2017	3.0	29-Apr-2017	7.2
16-Jul-2016	3.7	20-Jul-2017	8.8	6-May-2017	4.8
19-Jul-2016	6.0	22-Jul-2017	3.3	11-May-2017	3.0
21-Jul-2016	7.7	25-Jul-2017	3.8	25-May-2017	1.3
23-Jul-2016	4.2	27-Jul-2017	5.0	15-Jun-2017	3.0
26-Jul-2016	6.2	29-Jul-2017	4.3	17-Jun-2017	2.3
28-Jul-2016	4.5	5-Aug-2017	4.3	29-Jun-2017	8.8
30-Jul-2016	6.7	15-Aug-2017	4.8	1-Jul-2017	3.2
4-Aug-2016	1.5	17-Aug-2017	3.0	11-Jul-2017	3.7
6-Aug-2016	5.0	19-Aug-2017	4.3	18-Jul-2017	3.0
9-Aug-2016	3.5	22-Aug-2017	7.5	20-Jul-2017	8.8
11-Aug-2016	2.2	24-Aug-2017	10.3	1-Aug-2017	7.0
13-Aug-2016	2.0	26-Aug-2017	6.0	3-Aug-2017	4.3
16-Aug-2016	5.5	29-Aug-2017	6.8	10-Aug-2017	3.7
20-Aug-2016	2.5	31-Aug-2017	2.8	7-Sep-2017	16.3
1-Apr-2017	6.2	2-Sep-2017	4.7	21-Sep-2017	8.5
4-Apr-2017	9.0	5-Sep-2017	8.7	23-Sep-2017	4.2
6-Apr-2017	3.8	9-Sep-2017	3.7	28-Sep-2017	3.5
8-Apr-2017	4.8	12-Sep-2017	1.5	12-Oct-2017	5.5
11-Apr-2017	1.5	14-Sep-2017	1.3	19-Oct-2017	7.7
13-Apr-2017	5.3	16-Sep-2017	4.5	21-Oct-2017	9.3
18-Apr-2017	4.5	19-Sep-2017	6.8	26-Oct-2017	5.0
22-Apr-2017	4.0	30-Sep-2017	3.2	28-Oct-2017	4.5
25-Apr-2017	7.8	3-Oct-2017	7.3	31-Oct-2017	5.0
27-Apr-2017	6.2	5-Oct-2017	4.8		
2-May-2017	4.3	7-Oct-2017	6.8		
4-May-2017	2.8	14-Oct-2017	7.0		
9-May-2017	4.5	17-Oct-2017	12.7		
13-May-2017	5.0	24-Oct-2017	7.3		
16-May-2017	1.3				
18-May-2017	3.3				
20-May-2017	4.8				
23-May-2017	3.0				
27-May-2017	1.7				
30-May-2017	2.8				
1-Jun-2017	2.8				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	40	Number of Distinct Observations	27
Minimum	1.333	Minimum	1.333
Maximum	12.67	Maximum	16.33
Mean of Raw Data	4.625	Mean of Raw Data	5.093
Standard Deviation of Raw Data	2.288	Standard Deviation of Raw Data	2.891
Kstar	4.26	Kstar	3.517
Mean of Log Transformed Data	1.414	Mean of Log Transformed Data	1.491
Standard Deviation of Log Transformed Data	0.499	Standard Deviation of Log Transformed Data	0.531
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.958	Correlation Coefficient R	0.918
Approximate Shapiro Wilk Test Statistic	0.913	Shapiro Wilk Test Statistic	0.86
Approximate Shapiro Wilk P Value	1.75E-06	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.143	Approximate Shapiro Wilk P Value	1.91E-04
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.179
		Lilliefors Critical (0.95) Value	0.148
Data not Normal at (0.05) Significance Level		Data not Normal at (0.05) Significance Level	

Wilcoxon-Mann-Whitney Site vs Background Comparison Test for Full Data Sets without NDs		
User Selected Options		
Full Precision	OFF	
Confidence Coefficient	95%	
Substantial Difference	0%	
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)	
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median	
Area of Concern Data: With Dredging Works		
Background Data: No Dredging Work		
Raw Statistics		
	Site	Background
Number of Valid Observations	36	89
Number of Distinct Observations	27	40
Minimum	1.333	1.333
Maximum	16.33	12.67
Mean	5.093	4.625
Median	4.417	4.333
SD	2.891	2.288
SE of Mean	0.482	0.243
Wilcoxon-Mann-Whitney (WMW) Test		
H0: Mean/Median of Site or AOC <= Mean/Median of Background		
Site Rank Sum W-Stat	2401	
WMW Test U-Stat	0.722	
WMW Critical Value (0.050)	1.645	
P-Value	0.235	
Conclusion with Alpha = 0.05		
Do Not Reject H0, Conclude Site <= Background		
P-Value >= alpha (0.05)		

SR3 - Dry Season SS at Mid-Ebb (mg/L)

No Dredging Work				With Dredging Works	
Date	SS mg/L	Date	SS mg/L	Date	SS mg/L
26-Dec-2015	4.8	11-Nov-2017	6.2	21-Nov-2015	3.6
29-Dec-2015	3.5	14-Nov-2017	7.7	24-Dec-2015	6.2
31-Dec-2015	7.8	16-Nov-2017	8.3	9-Jan-2016	2.2
12-Jan-2016	3.8	18-Nov-2017	7.7	25-Feb-2017	10.5
14-Jan-2016	3.7			4-Nov-2017	9.5
26-Mar-2016	3.5			21-Nov-2017	7.2
29-Mar-2016	2.2				
24-Dec-2016	4.8				
27-Dec-2016	5.5				
31-Dec-2016	7.3				
3-Jan-2017	9.0				
7-Jan-2017	5.3				
10-Jan-2017	7.0				
14-Jan-2017	7.8				
17-Jan-2017	10.2				
19-Jan-2017	8.5				
21-Jan-2017	4.2				
23-Jan-2017	7.5				
25-Jan-2017	7.8				
27-Jan-2017	6.0				
31-Jan-2017	11.3				
2-Feb-2017	6.5				
4-Feb-2017	6.2				
7-Feb-2017	6.3				
9-Feb-2017	10.0				
11-Feb-2017	6.8				
14-Feb-2017	8.5				
16-Feb-2017	5.2				
18-Feb-2017	1.2				
21-Feb-2017	3.3				
23-Feb-2017	5.0				
28-Feb-2017	2.8				
2-Mar-2017	7.0				
4-Mar-2017	5.5				
7-Mar-2017	8.7				
9-Mar-2017	4.2				
11-Mar-2017	4.8				
14-Mar-2017	7.2				
16-Mar-2017	5.5				
18-Mar-2017	4.7				
21-Mar-2017	1.7				
23-Mar-2017	2.7				
25-Mar-2017	6.0				
28-Mar-2017	4.3				
30-Mar-2017	4.5				
2-Nov-2017	4.2				
7-Nov-2017	11.3				
9-Nov-2017	11.3				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	52	Number of Valid Observations	6
Number of Distinct Observations	36	Number of Distinct Observations	6
Minimum	1.167	Minimum	2.167
Maximum	11.33	Maximum	10.5
Mean of Raw Data	6.093	Mean of Raw Data	6.517
Standard Deviation of Raw Data	2.458	Standard Deviation of Raw Data	3.248
Kstar	5.106	Kstar	2.064
Mean of Log Transformed Data	1.712	Mean of Log Transformed Data	1.741
Standard Deviation of Log Transformed Data	0.473	Standard Deviation of Log Transformed Data	0.607
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.993	Correlation Coefficient R	0.987
Approximate Shapiro Wilk Test Statistic	0.972	Shapiro Wilk Test Statistic	0.956
Approximate Shapiro Wilk P Value	4.24E-01	Shapiro Wilk Critical (0.95) Value	0.788
Lilliefors Test Statistic	0.0761	Approximate Shapiro Wilk P Value	N/A
Lilliefors Critical (0.95) Value	0.123	Lilliefors Test Statistic	0.154
		Lilliefors Critical (0.95) Value	0.362
Data appear Normal at (0.05) Significance Level		Data appear Normal at (0.05) Significance Level	

t-Test Site vs Background Comparison for Full Data Sets without NDs				
User Selected Options				
Full Precision	OFF			
Confidence Coefficient	95%			
Substantial Difference	0%			
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)			
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median			
Area of Concern Data: With Dredging Works				
Background Data: No Dredging Work				
Raw Statistics				
	Site	Background		
Number of Valid Observations	6	52		
Number of Distinct Observations	6	36		
Minimum	2.167	1.167		
Maximum	10.5	11.33		
Mean	6.517	6.093		
Median	6.667	6		
SD	3.248	2.458		
SE of Mean	1.326	0.341		
Site vs Background Two-Sample t-Test				
H0: Mu of Site - Mu of Background <= 0				
Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	56	0.387	1.673	0.35
Satterthwaite (Unequal Variance)	5.7	0.31	1.943	0.384
Pooled SD 2.538				
Conclusion with Alpha = 0.050				
* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background				
* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background				

SR3 - Wet Season SS at Mid-Ebb (mg/L)

No Dredging Work				With Dredging Works	
Date	SS mg/L	Date	SS mg/L	Date	SS mg/L
4-Jun-2015	1.7	3-Jun-2017	3.3	2-Jun-2015	5.3
11-Jun-2015	1.2	6-Jun-2017	2.8	3-Sep-2015	5.3
14-Jul-2015	3.5	8-Jun-2017	2.8	12-Sep-2015	6.8
16-Jul-2015	3.5	10-Jun-2017	5.8	26-Sep-2015	7.2
18-Jul-2015	5.2	20-Jun-2017	2.8	6-Oct-2015	5.7
25-Jul-2015	2.2	22-Jun-2017	3.7	16-Apr-2016	1.2
1-Sep-2015	6.7	24-Jun-2017	3.3	4-Jun-2016	7.8
2-Apr-2016	4.0	27-Jun-2017	6.0	18-Jun-2016	3.5
14-Apr-2016	7.5	4-Jul-2017	3.8	2-Jul-2016	3.8
3-May-2016	5.5	6-Jul-2017	2.5	9-Jul-2016	2.0
7-May-2016	9.5	8-Jul-2017	3.3	12-Jul-2016	5.3
2-Jun-2016	2.8	15-Jul-2017	3.3	20-Apr-2017	3.3
14-Jul-2016	3.5	18-Jul-2017	1.0	29-Apr-2017	8.0
16-Jul-2016	3.3	20-Jul-2017	4.5	6-May-2017	3.7
19-Jul-2016	6.7	22-Jul-2017	3.3	11-May-2017	2.7
21-Jul-2016	6.0	25-Jul-2017	4.5	25-May-2017	3.7
23-Jul-2016	5.7	27-Jul-2017	6.7	15-Jun-2017	3.2
26-Jul-2016	8.8	29-Jul-2017	3.5	17-Jun-2017	2.8
28-Jul-2016	3.5	5-Aug-2017	3.8	29-Jun-2017	2.7
30-Jul-2016	4.8	15-Aug-2017	5.2	1-Jul-2017	2.3
4-Aug-2016	2.2	17-Aug-2017	1.3	11-Jul-2017	4.2
6-Aug-2016	4.2	19-Aug-2017	3.5	18-Jul-2017	1.0
9-Aug-2016	2.8	22-Aug-2017	4.8	20-Jul-2017	4.5
11-Aug-2016	2.7	24-Aug-2017	5.7	1-Aug-2017	4.7
13-Aug-2016	2.2	26-Aug-2017	5.8	3-Aug-2017	5.3
16-Aug-2016	4.7	29-Aug-2017	5.2	10-Aug-2017	4.3
20-Aug-2016	2.0	31-Aug-2017	4.0	7-Sep-2017	5.2
1-Apr-2017	6.3	2-Sep-2017	2.7	21-Sep-2017	5.7
4-Apr-2017	3.8	5-Sep-2017	8.7	23-Sep-2017	4.3
6-Apr-2017	5.8	9-Sep-2017	8.3	28-Sep-2017	4.3
8-Apr-2017	3.7	12-Sep-2017	3.3	12-Oct-2017	6.3
11-Apr-2017	3.2	14-Sep-2017	1.7	19-Oct-2017	17.0
13-Apr-2017	5.0	16-Sep-2017	6.3	21-Oct-2017	8.8
18-Apr-2017	5.5	19-Sep-2017	7.0	26-Oct-2017	4.7
22-Apr-2017	4.5	30-Sep-2017	3.8	28-Oct-2017	7.0
25-Apr-2017	14.3	3-Oct-2017	6.2	31-Oct-2017	6.0
27-Apr-2017	6.0	5-Oct-2017	6.3		
2-May-2017	5.7	7-Oct-2017	9.5		
4-May-2017	2.3	14-Oct-2017	8.7		
9-May-2017	5.2	17-Oct-2017	13.8		
13-May-2017	6.3	24-Oct-2017	8.0		
16-May-2017	1.0				
18-May-2017	4.8				
20-May-2017	2.2				
23-May-2017	4.3				
27-May-2017	1.5				
30-May-2017	1.0				
1-Jun-2017	2.8				

No Dredging Work		With Dredging Works	
Raw Statistics		Raw Statistics	
Number of Valid Observations	89	Number of Valid Observations	36
Number of Distinct Observations	40	Number of Distinct Observations	27
Minimum	1	Minimum	1
Maximum	14.33	Maximum	17
Mean of Raw Data	4.633	Mean of Raw Data	4.991
Standard Deviation of Raw Data	2.484	Standard Deviation of Raw Data	2.778
Kstar	3.598	Kstar	3.615
Mean of Log Transformed Data	1.393	Mean of Log Transformed Data	1.475
Standard Deviation of Log Transformed Data	0.553	Standard Deviation of Log Transformed Data	0.54
Normal Distribution Test Results		Normal Distribution Test Results	
Correlation Coefficient R	0.95	Correlation Coefficient R	0.894
Approximate Shapiro Wilk Test Statistic	0.904	Shapiro Wilk Test Statistic	0.828
Approximate Shapiro Wilk P Value	2.23E-07	Shapiro Wilk Critical (0.95) Value	0.935
Lilliefors Test Statistic	0.109	Approximate Shapiro Wilk P Value	2.11E-05
Lilliefors Critical (0.95) Value	0.0939	Lilliefors Test Statistic	0.154
		Lilliefors Critical (0.95) Value	0.148
Data not Normal at (0.05) Significance Level		Data not Normal at (0.05) Significance Level	

Wilcoxon-Mann-Whitney Site vs Background Comparison Test for Full Data Sets without NDs			
User Selected Options			
Full Precision	OFF		
Confidence Coefficient	95%		
Substantial Difference	0%		
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)		
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median		
Area of Concern Data: With Dredging Works			
Background Data: No Dredging Work			
Raw Statistics			
	Site	Background	
Number of Valid Observations	36	89	
Number of Distinct Observations	27	40	
Minimum	1	1	
Maximum	17	14.33	
Mean	4.991	4.633	
Median	4.583	4	
SD	2.778	2.484	
SE of Mean	0.463	0.263	
Wilcoxon-Mann-Whitney (WMW) Test			
H0: Mean/Median of Site or AOC <= Mean/Median of Background			
Site Rank Sum W-Stat	2411		
WMW Test U-Stat	0.774		
WMW Critical Value (0.050)	1.645		
P-Value	0.219		
Conclusion with Alpha = 0.05			
Do Not Reject H0, Conclude Site <= Background			
P-Value >= alpha (0.05)			