

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

**Monthly EM&A Report**

**August 2017**

**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/0362

Project Proponent:

Civil Engineering & Development Department  
101 Princess Margaret Road,  
Homantin,  
Kowloon, Hong Kong.

Prepared by: Wingo So

Reviewed by: Cyrus Lai

Certified by:



---

Colin Yung  
Environmental Team Leader for  
MaterialLab Consultants Limited

Ref.: CEDDWKTBEM00\_0\_0340L.17

12 September 2017  
By Post and Fax (2419 6218)

Mott MacDonald Hong Kong Ltd.  
20/F, AIA Kowloon Tower,  
Landmark East,  
100 How Ming Street,  
Kwun Tong, Kowloon

Attention: Mr Chan T P, Pan, Engineer's Representative

Dear Mr Chan,

**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 2017**

Reference is made to the Environmental Team's submission of the Monthly Environmental Monitoring & Audit Report for August 2017 (ET's Report No. 0394/13/ED/0362A) received by e-mail on 7 September 2017.

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 Environ Hong Kong Limited



Y H Hui  
Independent Environmental Checker

Cc:	MMHK	Mr. C M Howley	2827 1823 (by fax)
	MateriaLab	Mr. Colin Yung	2450 6138 (by fax)
	CIWE	Mr. K.O. Leung and Mr. Lam Wai-hung	2419 6028 (by fax)

Q:\Projects\CEDDWKTBEM00\02 Project Management\02 Corr\CEDDWKTBEM00\_0\_0340L.17.docx

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

**TABLE OF CONTENTS**

<b>1.</b>	<b>INTRODUCTION</b>	<b>5</b>
<b>2.</b>	<b>BASIC PROJECT INFORMATION</b>	<b>7</b>
<b>3.</b>	<b>ROUTINE IMPACT WATER QUALITY MONITORING</b>	<b>11</b>
<b>4.</b>	<b>24-HR WATER QUALITY MONITORING</b>	<b>19</b>
<b>5.</b>	<b>ENVIRONMENTAL SITE INSPECTION AND AUDIT</b>	<b>23</b>
<b>6.</b>	<b>EXCEEDANCE OF THE ENVIRONMENTAL PARAMETERS</b>	<b>24</b>
<b>7.</b>	<b>NON-COMPLIANCE, COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION</b>	<b>25</b>
<b>8.</b>	<b>CONCLUSIONS</b>	<b>26</b>

## MATERIALAB CONSULTANTS LIMITED

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

# Materialab

Report No.: 0394/13/ED/0362

### TABLES:

Table I	Summary of Water Quality Exceedances – Routine Impact Monitoring (In-situ)	1
Table II	Summary of Water Quality Exceedances – Routine Impact Monitoring (Laboratory Analysis)	2
Table III	Summary of the Exceedances Recorded in Reporting Month – 24-hr Monitoring	3
Table 2.1	Key Personnel Contact of the Contract	7
Table 2.2	Detailed Dredging Quantity	8
Table 2.3	Status of Environmental Licenses, Notification and Permits	9
Table 3.1	Laboratory Measurement/Analysis Methods and Reporting Limits	11
Table 3.2	Water Quality Monitoring and Sampling Equipment	12
Table 3.3	Monitoring Parameters and Frequency	13
Table 3.4	Water Quality Monitoring Parameters	14
Table 3.5	Locations of Water Quality Monitoring Stations	15
Table 3.6	Summary of Water Quality Exceedance (In-situ Measurement)	16
Table 3.7	Summary of Water Quality Exceedance (Laboratory Analysis)	16
Table 4.1	24 Hours Water Quality Monitoring Equipment	19
Table 4.2	24-hr Water Quality Monitoring Parameters	20
Table 4.3	Location of Water Quality Monitoring Station	20
Table 4.4	Summary of Water Quality Exceedance (24-hr Monitoring)	21
Table 5.1	Compliance with EP Conditions in the Reporting Month	22
Table 5.2	Waste Quantities of Dredging Works	23
Table 7.1	Environmental Complaints Log	25
Table 7.2	Cumulative Statistics on Complaints	25
Table 7.3	Cumulative Statistics on Successful Prosecutions	25

### FIGURES:

Figure 1	Project General Layout
Figure 2	Locations of Water Quality Monitoring Stations

### APPENDICES:

Appendix A	Project Organization Chart
Appendix B	Construction Programme
Appendix C	Action and Limit Levels
Appendix D	Copies of Calibration Certificates
Appendix E	Schedule of Water Quality Monitoring
Appendix F	Water Quality Monitoring Results and Graphical Presentation – Routine Impact Monitoring
Appendix G	Water Quality Monitoring Results and Graphical Presentation – 24-hr Monitoring
Appendix H	Event and Action Plans
Appendix I	Details of Notification of Exceedances
Appendix J	Environmental Mitigation Implementation Schedule
Appendix K	Waste Generation in Reporting Period
Appendix L	Weather Conditions for the Reporting Month



**EXECUTIVE SUMMARY**

i. This is the Fortieth Monthly Environmental Monitoring Audit (EM&A) Monthly Report – August 2017 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 2017 to 22 August 2017.

ii. Construction Activities for the Reporting Period

During this reporting period, the principal work activities included:

- Preparation Works of Dredging at Portion A / Zone 1A, Zone 2B1 and 2B2 in EP
- Dredging at Portion A / Zone 1A, Zone 2B1 and 2B2 in EP

Note: Hotspot area was completed excepted hard materials and buffer zone was almost completed except known highspot and hard materials

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 DO (S&M), DO (B) 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	0	0	0	0	-	-	0	0
	Limit	1	1	1	1	0	0	0	0	0	0	-	-	2	2
SR3	Action	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	1	1	1	1	0	0	0	0	0	0	-	-	2	2
SR4	Action	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	0	0	-	-	0	0
SR5	Action	0	0	1	0	0	0	-	-	-	-	0	0	1	0
	Limit	4	4	0	0	0	0	-	-	-	-	13	13	17	17
SR12	Action	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	0	0	-	-	0	0
SR13	Action	0	0	0	0	0	0	-	-	-	-	-	-	0	0
	Limit	1	1	0	0	0	0	-	-	-	-	-	-	1	1
Total	Action	0	0	1	0	0	0	0	0	0	0	0	0	1	0
	Limit	7	7	2	2	0	0	0	0	0	0	13	13	44	44

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

Station	Exceedance Level	Suspended Solids		BOD <sub>5</sub>		<i>E. coli</i>		NH <sub>3</sub> -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	-	-	-	-	0	0	0	0	-	-	-	-	0	0
	Limit	0	0	-	-	-	-	0	0	0	0	-	-	-	-	0	0
SR3	Action	0	0	-	-	-	-	0	0	0	0	-	-	-	-	0	0
	Limit	0	0	-	-	-	-	0	0	0	0	-	-	-	-	0	0
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	0	0	0	0	-	-	0	0
SR5	Action	0	0	-	-	-	-	-	-	-	-	-	-	0	0	0	0
	Limit	0	0	-	-	-	-	-	-	-	-	-	-	13	13	13	13
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	0	0	0	0	-	-	0	0
SR13	Action	0	0	-	-	-	-	-	-	0	0	-	-	-	-	0	0
	Limit	0	0	-	-	-	-	-	-	0	0	-	-	-	-	0	0
Total	Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Limit	0	0	0	0	0	0	0	0	0	0	0	0	13	13	26	

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 <sub>3</sub> -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

**iv. Waste Management**

There was marine sediment Type 1 sediment (Open Sea Disposal) disposed to South Cheung Chau Open Sea Sediment Disposal Area and Type 2 sediment (Confined Marine Disposal) disposed to East of Sha Chau Contaminated Mud Pit and a small amount of general refuse were disposed off site in the reporting month.

**v. Non-Compliance, Complaints, Notifications of Summons and Successful Prosecutions**

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

**vi. Site Inspections and Audit**

The Environmental Team conducted 4 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.

**vii. Compliance with Specific EP conditions**

Implementation of contractor's mitigation for dredging work and the associated dredging records were checked. It was concluded that the dredging is conducted orderly in compliance with the EP requirements on site mitigation measures in general.

**viii. 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 1A, Zone 2B1 and 2B2 in EP
- Dredging at Portion A / Zone 1A, Zone 2B1 and 2B2 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.

## **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 Environ Hong Kong Limited (REHK) 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 MaterialLab Consultants Limited (MCL) 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 Fortieth Monthly EM&A Report is prepared by MCL. 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 2017 to 22 August 2017.

### **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,

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

Page 6 of 26

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. Pan Chan	2419 6008	2419 6218
Independent Environmental Checker (REHK)	Independent Environmental Checker	Mr. YH Hui	3465 2888	3465 2899
Contractor (CIW&E)	Site Agent	Mr. KO Leung	2419 6008	2419 6218
	Environmental Officer	Mr. WH Lam	2419 6008	2419 6218
Environmental Team (MCL)	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 1A, Zone 2B1 and 2B2 in EP
- Dredging at Portion A / Zone 1A, Zone 2B1 and 2B2 in EP

Note: Hotspot area was completed excepted hard materials and buffer zone was almost completed except known hotspot and hard materials

Daily dredging quantity in the reporting month is provided in **Table 2.2**.

**Table 2.2 Detailed Dredging Quantity**

Date	Dredged Quantity (in-situ, m <sup>3</sup> )		
	Portion A		
	Zone (Maximum Allowable Daily Dredged Rate)		
23-July-2017	0	0	0
24-July-2017	0	0	0
25-July-2017	0	0	0
26-July-2017	0	0	0
27-July-2017	0	0	0
28-July-2017	0	0	0
29-July-2017	0	0	0
30-July-2017	0	0	0
31-July-2017	0	0	0
01-August-2017	2B2: 769 (1450)	0	0
02-August-2017	2B2: 385 (1450)	0	0
03-August-2017	2B2: 385 (1450)	0	0
04-August-2017	2B2: 769 (1450)	0	0
05-August-2017	0	0	0
06-August-2017	0	0	0
07-August-2017	1A: 385 (900)	0	0
08-August-2017	1A: 385 (900)	0	0
09-August-2017	0	0	0
10-August-2017	2B1: 385 (800)	0	0
11-August-2017	2B1: 385 (800)	0	0
12-August-2017	1A: 385 (900)	0	0
13-August-2017	1A: 385 (900)	0	0
14-August-2017	1A: 385 (900)	0	0
15-August-2017	0	0	0
16-August-2017	0	0	0
17-August-2017	0	0	0
18-August-2017	0	0	0
19-August-2017	0	0	0
20-August-2017	0	0	0
21-August-2017	0	0	0
22-August-2017	0	0	0

Note: Hotspot area was completed excepted hard materials and buffer zone was almost completed except known highspot and hard materials



**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 2.3**.

**Table 2.3 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		
Billing Account for Waste Disposal (Land Vehicle/ Dump Truck)	7018156	5/9/2013	Upon Completion
Billing Account for Waste Disposal (Vessels to Tuen Mun 38 Fill Bank)	7026587	20/2/2017	Extended to 13/11/2017
Construction Noise Permit Portion A (Area A3 and Area A2) 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-RW0246-17	24/5/2017	23/8/2017
Marine Dumping Permit Portion A Type 1 Open Sea Disposal (Dedicated Site)	EP/MD/18-029	1/7/2017	31/7/2017
Type 2 Confined Marine Disposal <i>East of Sha Chau Contaminated Mud Pit (CMP Vd) as directed by management team of CEDD</i>	EP/MD/18-043	1/8/2017	31/8/2017
Marine Dumping Permit Portion A Type 1 Open Sea Disposal <i>An area of South Cheung Chau Open Sea Sediment Disposal Area denoted "KTCB" as shown in the chartlet (Drawing no. MFC/002-KTCB-A-R1)</i>	EP/MD/17-151	30/6/2017	31/10/2017
Waste Producer License	5213-320-C3907-01	27/10/2014	Upon Completion

## 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 1A, Zone 2B1 and 2B2 in EP
- Dredging at Portion A / Zone 1A, Zone 2B1 and 2B2 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.

### 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, BOD<sub>5</sub> & 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 ALS Technichem (HK) Pty Ltd (HOKLAS Reg. No. 066), 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	0.5 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"> <li>HACH DR900, and</li> <li>Nitrate Reagent Set (Cadmium Reduction Method)</li> </ul>	NO <sub>3</sub> : 0.01 to 0.50 mg/L	±0.5%
Ammonia, Nitrite	Photometer	<ul style="list-style-type: none"> <li>Lovibond MD600 Maxi Direct, and</li> <li>Ammonia Reagent Set (Indophenol blue / Salicylate);</li> <li>Nitrite Reagent Set (N-(1-Naphthyl)-ethylenediamine)</li> </ul>	NH <sub>3</sub> -N: 0.02 to 1mg/L; 1 to 50mg/L NO <sub>2</sub> : 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)
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), <sup>1</sup> Ammonia-N (in mg/L-N and UIA); <sup>2</sup> 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 <sup>3</sup> detergent which shall be taken one day per month, at mid-flood and mid-ebb)  36 hours interval was allowed between subsequent sets of measurement.
<u>Laboratory Analysis</u> <sup>1</sup> Ammonia-N (in mg/L-N and UIA), Suspended Solids (SS), <sup>3</sup> BOD <sub>5</sub> , <sup>3</sup> <i>E.coli</i> , <sup>3</sup> Synthetic Detergent; <sup>2</sup> TIN: Ammonia-N (in mg/L), Nitrite (in mg/L), Nitrate (in mg/L)	

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 NH<sub>3</sub>-N, temperature, pH and salinity; Laboratory determined unionized ammonia was calculated from analysed NH<sub>3</sub>-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;
- BOD<sub>5</sub>, *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 <sub>3</sub> -N / UIA	TIN (NH <sub>3</sub> -N, NO <sub>2</sub> & NO <sub>3</sub> )	Suspended Solids	BOD <sub>5</sub>	E. coli	NH <sub>3</sub> -N / UIA	Synthetic Detergent	TIN (NH <sub>3</sub> -N, NO <sub>2</sub> & NO <sub>3</sub> )
SR2	○	○	○	○	○	○		○			○		
SR3	○	○	○	○	○	○		○			○		
SR4	○	○	○	○	○	○		○	○	○	○	○	
SR5	○	○	○	○	○		○	○					○
SR12	○	○	○	○	○	○		○	○	○	○	○	
SR13	○	○	○	○	○			○					
G2	○	○	○	○	○		○	○					○
C1A	○	○	○	○	○	○	○	○	○	○	○	○	○
C2A	○	○	○	○	○	○	○	○	○	○	○	○	○

Note:

1. UIA: In-situ unionized ammonia was calculated from in-situ measurement of NH<sub>3</sub>-N, temperature, pH and salinity; laboratory determined unionized ammonia was calculated from analysed NH<sub>3</sub>-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

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 2016 to 22 August 2017. 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 During the monitoring period, some adverse weather conditions, including Rainstorm Warning signal, Thunderstorm Warning signals 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 are provided in **Appendix L**.

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

**MATERIALAB CONSULTANTS LIMITED**

 Room 723 & 725, 7/F, Block B,  
 Profit Industrial Building,  
 1-15 Kwai Fung Crescent,  
 Kwai Fong, N.T., Hong Kong.

 Tel : (852)-24508238  
 Fax : (852)-24508032  
 Email : mcl@fugro.com.hk


Report No.: 0394/13/ED/0362

Page 16 of 26

**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	0	0	0	0	-	-	0	0
	Limit	1	1	1	1	0	0	0	0	0	0	-	-	2	2
SR3	Action	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	1	1	1	1	0	0	0	0	0	0	-	-	2	2
SR4	Action	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	0	0	-	-	0	0
SR5	Action	0	0	1	0	0	0	-	-	-	-	0	0	1	0
	Limit	4	4	0	0	0	0	-	-	-	-	13	13	17	17
SR12	Action	0	0	0	0	0	0	0	0	0	0	-	-	0	0
	Limit	0	0	0	0	0	0	0	0	0	0	-	-	0	0
SR13	Action	0	0	0	0	0	0	-	-	-	-	-	-	0	0
	Limit	1	1	0	0	0	0	-	-	-	-	-	-	1	1
Total	Action	0	0	1	0	0	0	0	0	0	0	0	0	1	0
	Limit	7	7	2	2	0	0	0	0	0	0	13	13	44	44

**Table 3.7 Summary of Water Quality Exceedance (Laboratory Analysis)**

Station	Exceedance Level	Suspended Solids		BOD <sub>5</sub>		<i>E. coli</i>		NH <sub>3</sub> -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	-	-	-	-	0	0	0	0	-	-	-	-	0	0
	Limit	0	0	-	-	-	-	0	0	0	0	-	-	-	-	0	0
SR3	Action	0	0	-	-	-	-	0	0	0	0	-	-	-	-	0	0
	Limit	0	0	-	-	-	-	0	0	0	0	-	-	-	-	0	0
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	0	0	0	0	-	-	0	0
SR5	Action	0	0	-	-	-	-	-	-	-	-	-	-	0	0	0	0
	Limit	0	0	-	-	-	-	-	-	-	-	-	-	13	13	13	13
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	0	0	0	0	-	-	0	0
SR13	Action	0	0	-	-	-	-	-	-	0	0	-	-	-	-	0	0
	Limit	0	0	-	-	-	-	-	-	0	0	-	-	-	-	0	0
Total	Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0	0	0	0	0	13	13	26	26



---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



---

Report No.: 0394/13/ED/0362

Page 17 of 26

3.7.4 During the reporting period, 14 LL exceedances for DO (S&M), 1 AL and 4 LL exceedances for DO (B), 26 LL exceedances for TIN (in-situ) and 26 LL exceedances for TIN (lab) were recorded.

3.7.5 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.

3.7.6 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**.

Report No.: 0394/13/ED/0362

Page 18 of 26

## 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"> <li>▪Temp: ±0.15°C</li> <li>▪DO: ±0.1mg/L or 1% (whichever greater) for 0-20mg/L; ±15% for 20-50mg/L</li> <li>▪Turb: ±2% or 0.3NTU (whichever greater)</li> </ul>
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	Systema S.p.A. Micromac 1000 Ammonia Reagent Set: OPA	N-NH <sub>3</sub> : 0-2mg/L	N-NH <sub>3</sub> : <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 NH<sub>3</sub>-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 <sub>3</sub> -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 (MaterialLab 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 signals 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

Report No.: 0394/13/ED/0362

Page 21 of 26

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 and red tide occurrences are 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 <sub>3</sub> -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, 4 site inspections were carried out on 27 July 2017, 3, 10 and 17 August 2017.

5.1.2 The Environmental Team conducted 4 site inspections in the reporting period. 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, 10m<sup>3</sup> 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 (a), (d) Measures to Mitigate Water Quality Impact	Complied with EP requirement to maintain daily dredging rate below 4000m <sup>3</sup> for each dredger. No more than two grab dredgers operating within the Project Area. No more than one grab dredger operating within each of the five main zones. Maximum dredging rate maintained within 900 m <sup>3</sup> per day during wet season for Zone 1A, 800 m <sup>3</sup> per day during wet season for Zone 2B1 and 1450 m <sup>3</sup> per day during wet season for Zone 2B2.
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.
EP Condition 2.5 Submission	1 closed grab dredger operated in Zone 1A, Zone 2B1 and 2B2.

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.

Report No.: 0394/13/ED/0362

Page 23 of 26

5.3.3 There was marine sediment Type 1 sediment (Open Sea Disposal) disposed to South Cheung Chau Open Sea Sediment Disposal Area and Type 2 sediment (Confined Marine Disposal) disposed to East of Sha Chau Contaminated Mud Pit and a small amount of 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 2017 to 22 August 2017 (m <sup>3</sup> )	Cumulative to 22 August 2017 (m <sup>3</sup> )	Disposal / Dumping Ground
August 2017	Type 1 – Open Sea Disposal	500	1684850	NA
	Type 2 – Confined Marine Disposal	6000	647280	NA
	Type 3 – Special Treatment / Disposal	0	1260	NA

Note: All the Type 3 (Cat. Hf) sediment dredging and disposal was completed on 18 May 2016

#### 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.

---

## MATERIALAB CONSULTANTS LIMITED

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

Page 24 of 26

### 6. EXCEEDANCE OF THE ENVIRONMENTAL PARAMETERS

- 6.1.1 One (1) Action Level and Seventy (70) 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**.



Report No.: 0394/13/ED/0362

Page 25 of 26

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

7.1.1 No complaint, inspection notice, notification of summons or prosecution was received in this reporting period. 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

---

Report No.: 0394/13/ED/0362

Page 26 of 26

**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. As per the EM&A Manual, water quality impact monitoring was conducted during the dredging works.
- 8.1.2 One (1) Action Level and Seventy (70) Limit Level exceedances were recorded in the routine impact monitoring in the reporting month.
- 8.1.3 No exceedance was recorded in the 24-hr monitoring in the reporting month.
- 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 4 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 No notification of summons and prosecution was received in the reporting month.

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

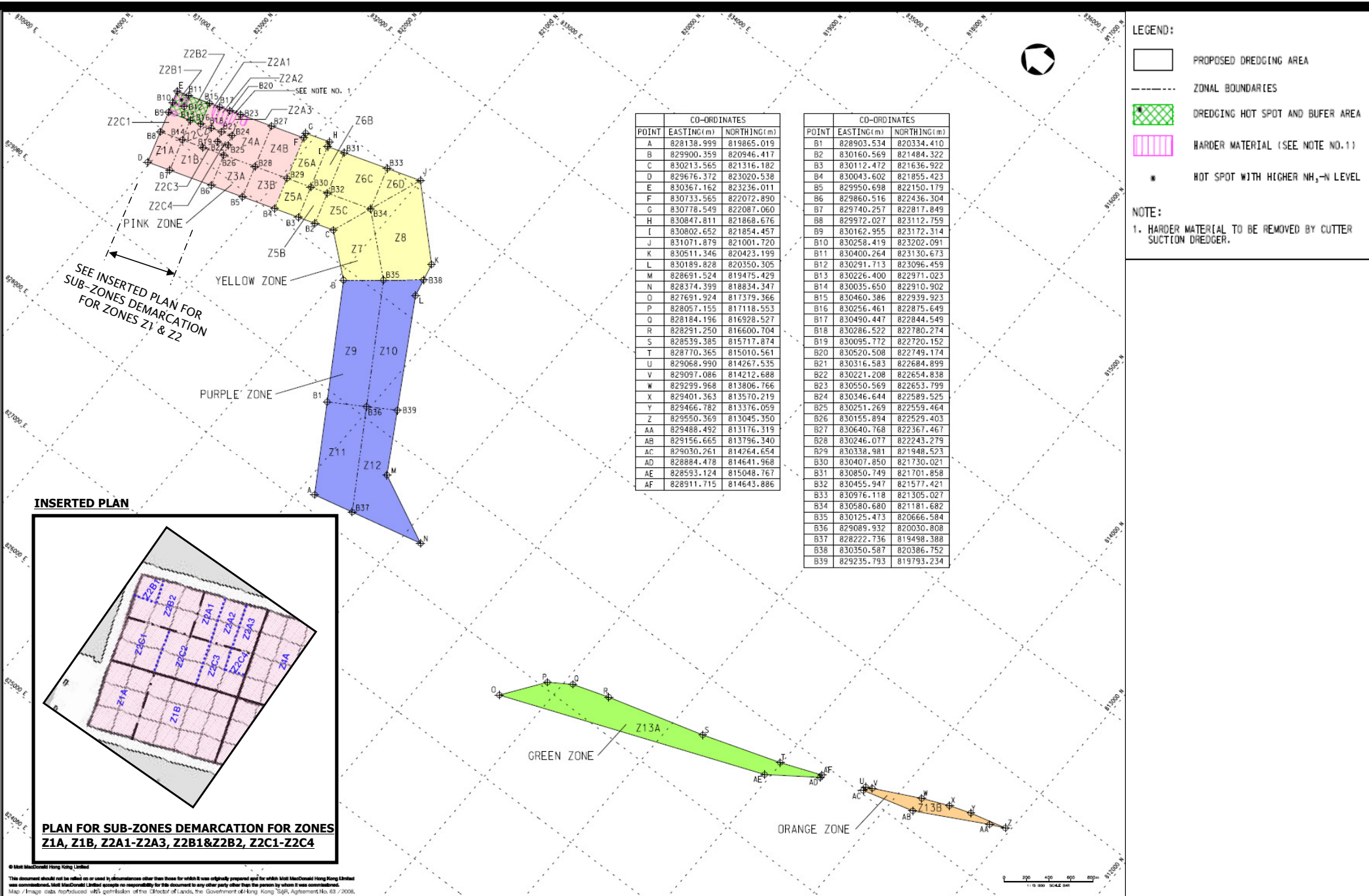
**MaterialLab**

---

Report No.: 0394/13/ED/0362

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



© Mott MacDonald Hong Kong Limited  
 This document should not be relied on or used in circumstances other than those for which it was originally prepared and for which Mott MacDonald Hong Kong Limited was commissioned. Mott MacDonald Limited accepts no responsibility for this document to any other party other than the person by whom it was commissioned.  
 Map / Image data reproduced with permission of the Director of Lands, the Government of Hong Kong SAR, Agreement No. 83 / 2008.

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

---

**MaterialLab**

---

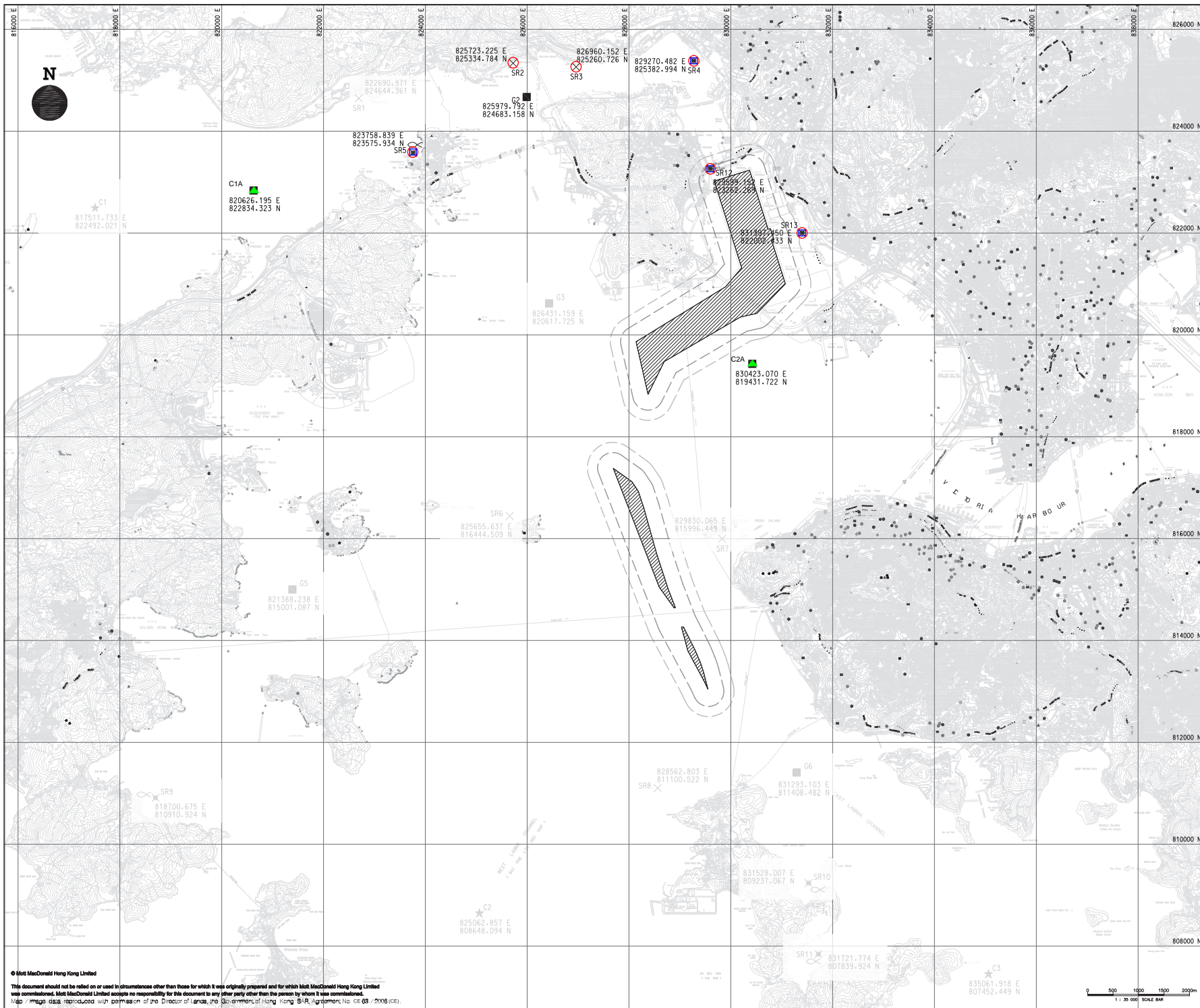
---

Report No.: 0394/13/ED/0362






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

© Mott MacDonald Hong Kong Limited  
 This document should not be relied on or used in circumstances other than those for which it was originally prepared and for which Mott MacDonald Hong Kong Limited was commissioned. Mott MacDonald Limited accepts no responsibility for this document to any other party other than the person by whom it was commissioned.  
 Map / image data reproduced with permission of the Director of Lands, the Government of Hong Kong SAR, Agreement No. CE 68 / 2008 (CE).



Figure 2 - Location of Monitoring Stations

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

---

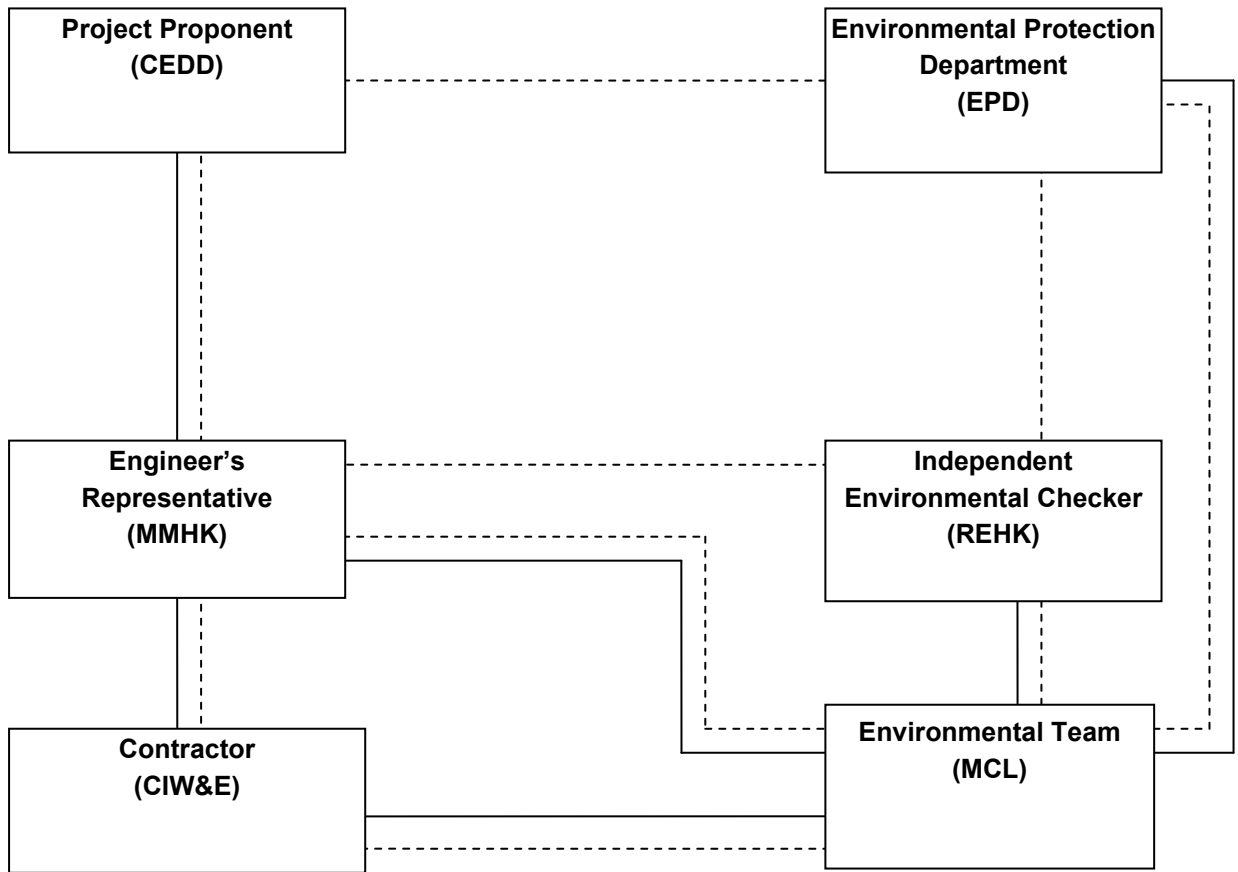
**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

Appendix A  
Project Organization Chart



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



---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

Appendix B  
Construction Programme

The Revised Contract Completion Date is 31 August 2017.

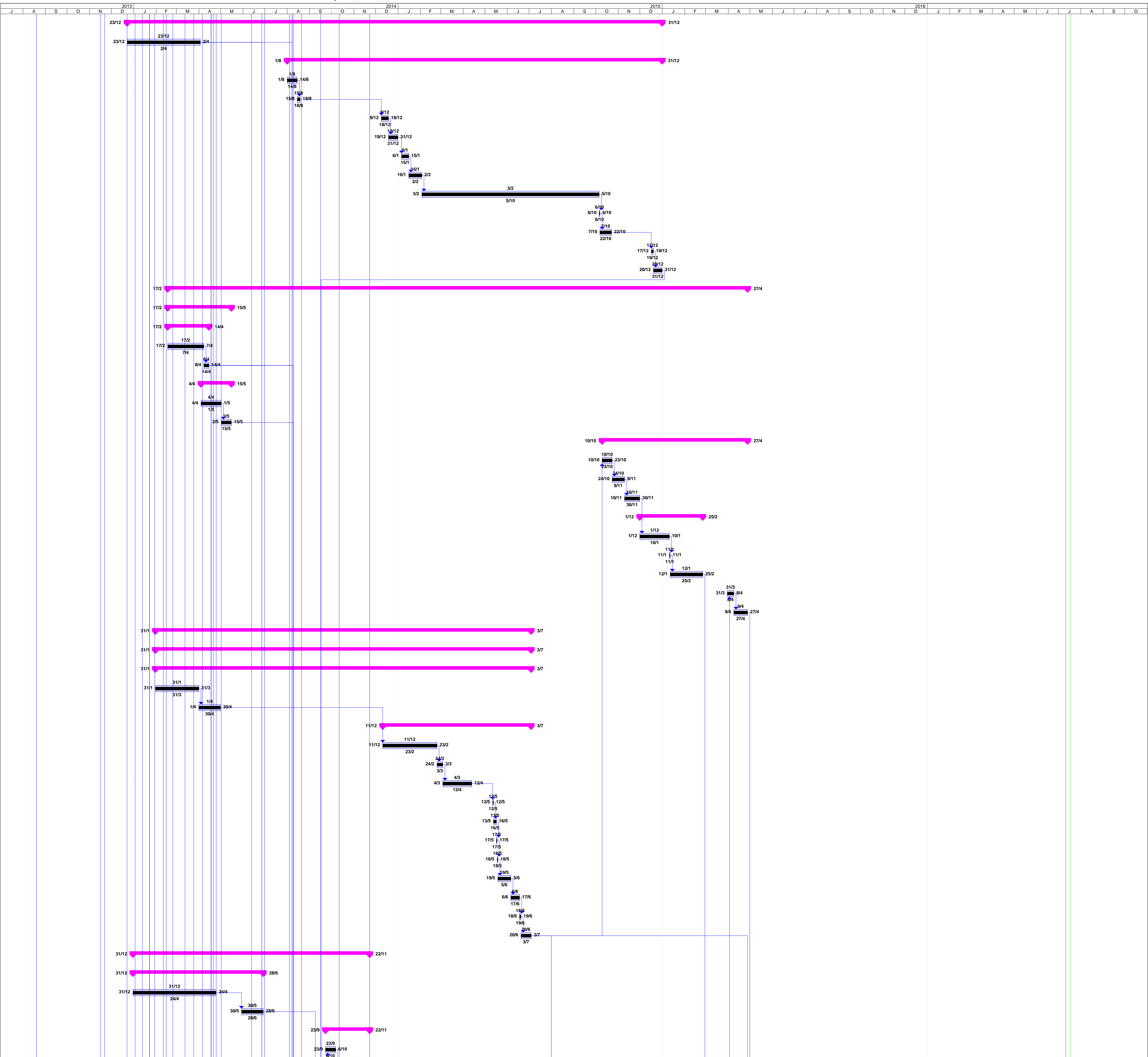
ID	Task Name	Duration	Start	Finish	Predecessors	Successors	Resource Names
1	<b>Contract Period</b>	1470 days	Fri 30/8/13	Thu 7/9/17			
2	<b>Contract Commencement Date</b>	0 days	Fri 30/8/13	Fri 30/8/13		4SS	
3	<b>Extended Contract Completion Date</b>	0 days	Sat 8/7/17	Sat 8/7/17		327FF	
4	<b>Possession of Site</b>				S,31SS,41SS		N
5	<b>Section 1</b>	1470 days	Fri 30/8/13	Thu 7/9/17			
6	<b>Submission</b>	1210 days	Fri 30/8/13	Wed 21/12/16			
7	<b>Routine Monitoring / Temporary Marine Traffic Management</b>	484 days	Fri 30/8/13	Fri 26/12/14			
8	<b>Environmental Management</b>	484 days	Fri 30/8/13	Fri 26/12/14			
9	<b>Baseline monitoring</b>	231 days	Fri 30/8/13	Thu 17/4/14			
10	ETL and relevant site personal	30 days	Fri 30/8/13	Sat 28/9/13		4SS,13	N
11	Lab Test	30 days	Fri 30/8/13	Sat 28/9/13		4SS,13	N
12	<b>Monitoring (Location see Drg No. EM/401)</b>	201 days	Sun 29/9/13	Thu 17/4/14			
13	Plan	93 days	Sun 29/9/13	Mon 30/12/13	10,11	154	N
14	<b>Sediment Report</b>	88 days	Mon 20/1/14	Thu 17/4/14			
15	Preliminary report	19 days	Mon 20/1/14	Fri 7/2/14	158	159	N
16	Final report	27 days	Sat 22/3/14	Thu 17/4/14	159, 205,207,224		N
17	<b>Grab sample (Portions A, B &amp; C)</b>	321 days	Fri 30/8/13	Wed 16/7/14			
18	Grab sample specialist	30 days	Fri 30/8/13	Sat 28/9/13		4SS,19	N
19	Sediment testing and sampling plan	162 days	Sun 29/9/13	Sun 9/3/14	18	162	N
20	<b>Sediment report</b>	105 days	Thu 3/4/14	Wed 16/7/14			
21	Preliminary report	26 days	Thu 3/4/14	Mon 28/4/14	166	167	N
22	Final report	37 days	Tue 10/6/14	Wed 16/7/14	167	209	N
23	<b>Vibro-coring (Portions A, B &amp; C)</b>	159 days	Mon 21/7/14	Fri 26/12/14			
24	Sediment testing and sampling plan	28 days	Mon 21/7/14	Sun 17/8/14		170	N
25	<b>Sediment report</b>	105 days	Sat 13/9/14	Fri 26/12/14			
26	Preliminary report	26 days	Sat 13/9/14	Wed 8/10/14	174	175	N
27	Final report	37 days	Thu 20/11/14	Fri 26/12/14	175, 209FS-139 days		N
28	<b>24 Hours monitoring station and TIN Measuring Device (Location see Drg No. EM/401)</b>	79 days	Mon 25/11/13	Tue 11/2/14			
29	Instrumentation	79 days	Mon 25/11/13	Tue 11/2/14		177	N
30	<b>Survey</b>	179 days	Fri 30/8/13	Mon 24/2/14			
31	Surveyor	35 days	Fri 30/8/13	Thu 3/10/13		4SS,35,38	N
32	Geophysicist	35 days	Sun 3/11/13	Sat 7/12/13		224	N
33	<b>Land Survey (Container Basin &amp; DSD Tsing Yi Plant)</b>	67 days	Tue 26/11/13	Fri 31/1/14			
34	Settlement markers	67 days	Tue 26/11/13	Fri 31/1/14			
35	Method Statement for Installation and Monitoring	24 days	Tue 26/11/13	Thu 19/12/13	31	185	N
36	Initial report	12 days	Mon 20/1/14	Fri 31/1/14	186	187	N
37	<b>Hydrographic Survey (Portions A to E)</b>	144 days	Fri 4/10/13	Mon 24/2/14			
38	Method Statement	36 days	Fri 4/10/13	Fri 8/11/13	31	190	N
39	Initial survey Report	29 days	Mon 27/1/14	Mon 24/2/14	190	191	N
40	<b>Temporary Marine Traffic Management (Portions A to E)</b>	144 days	Fri 30/8/13	Mon 20/1/14			
41	Consultant, Risk Manager and Marine Traffic Engineer	28 days	Fri 30/8/13	Thu 26/9/13		4SS,43	N
42	Independent Checking Engineer (ICE)	25 days	Fri 27/12/13	Mon 20/1/14		196FS-60 days	N
43	Webbase software and Trial Run	50 days	Fri 27/9/13	Fri 15/11/13	41	196	N
44	<b>Dredging Works (Portions A to E)</b>	896 days	Thu 14/11/13	Wed 27/4/16			
45	Independent Checking Engineer (ICE)	21 days	Thu 14/11/13	Wed 4/12/13		51	N
46	<b>Silt screen deployment plan and report (Location see Drg No. EM/401)</b>	77 days	Fri 6/12/13	Thu 20/2/14			
47	Method statement	77 days	Fri 6/12/13	Thu 20/2/14		207,201	N
48	<b>Dredging method statement and silt curtain deployment plan</b>	118 days	Thu 28/1/13	Tue 25/3/14			
49	Method statement for dredging works	104 days	Thu 28/1/13	Tue 11/3/14		224	N
50	<b>Silt curtain deployment plan</b>	118 days	Thu 28/1/13	Tue 25/3/14			
51	Design	70 days	Tue 17/12/13	Mon 24/2/14	45	52FS-89 days	N
52	Deployment plan	118 days	Thu 28/1/13	Tue 25/3/14	51FS-89 days	224	N
53	<b>Dredging Works at Portions A and B</b>	891 days	Tue 19/11/13	Wed 27/4/16			
54	<b>General seabed</b>	891 days	Tue 19/11/13	Wed 27/4/16			
55	Marine Notice approval by Marine Departemnt	247 days	Tue 19/11/13	Wed 23/7/14		207	N



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

\* Subject to availability of working windows  
 \*\* The removal of broken rock material will be carried out biweekly  
 \*\*\* The frequency of interim survey is once a month

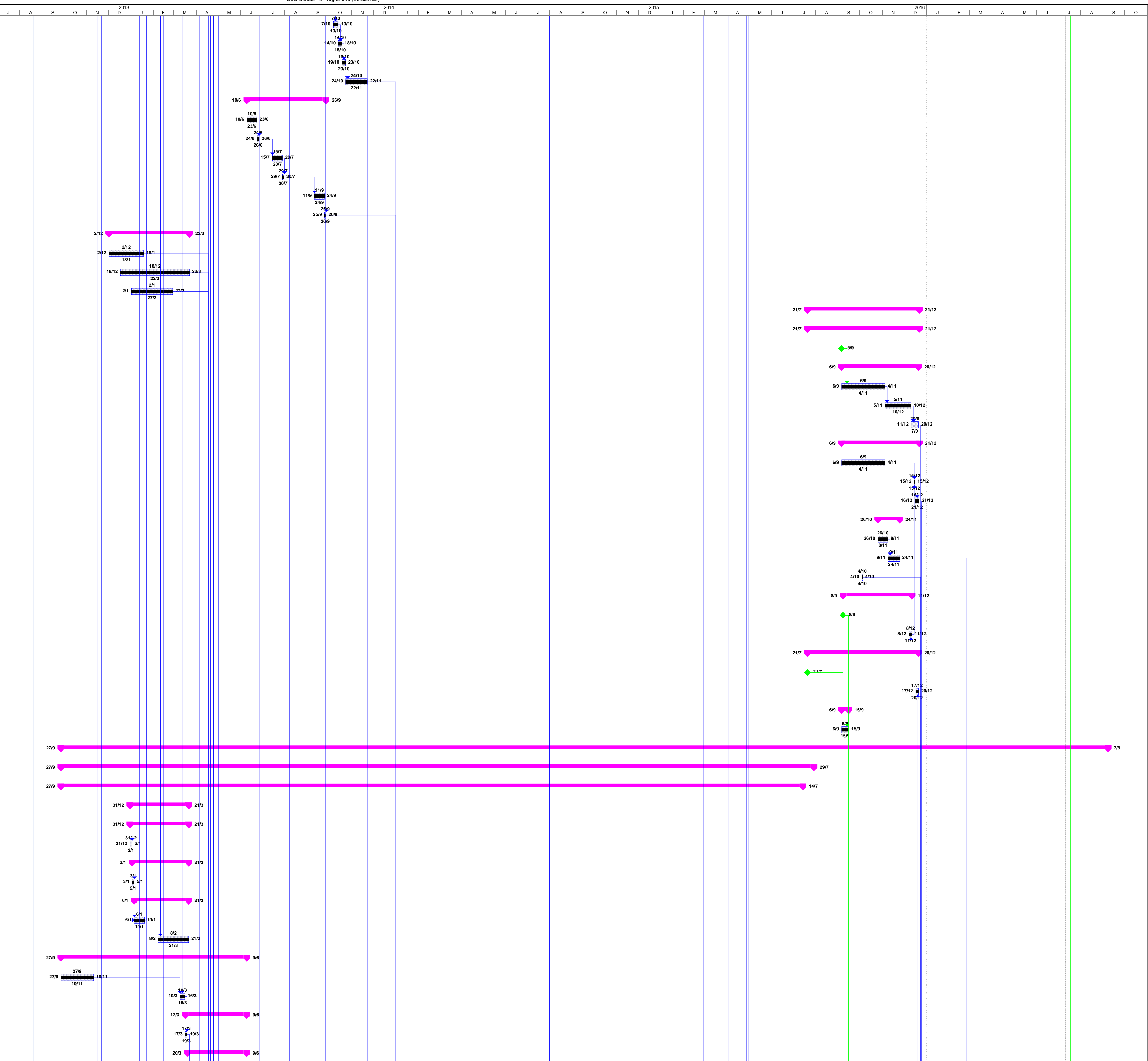
ID	Task Name	Duration	Start	Finish	Predecessors	Successors	Resource Names
56	<b>Noise Permit</b>	<b>739 days</b>	<b>Mon 23/12/13</b>	<b>Thu 31/12/15</b>			
57	General	101 days	Mon 23/12/13	Wed 24/14		205,207	N
58	<b>Portion A from 11pm to 7am next day</b>	<b>518 days</b>	<b>Fri 1/8/14</b>	<b>Thu 31/12/15</b>			
59	Preparation and submission	14 days	Fri 1/8/14	Thu 14/8/14		60	N
60	Rejected by EPD	4 days	Fri 15/8/14	Mon 18/8/14	59	61	N
61	Resubmission	10 days	Tue 9/12/14	Thu 18/12/14	60	62	N
62	Rejected by EPD	13 days	Fri 19/12/14	Wed 31/12/14	61	63	N
63	Resubmission	10 days	Tue 6/1/15	Thu 15/1/15	62	64	N
64	Rejected by EPD	18 days	Fri 16/1/15	Mon 2/2/15	63	65	N
65	Awaiting HIT to release their permit	245 days	Tue 3/2/15	Mon 5/10/15	64	66	N
66	Preparation and submission	1 day	Tue 6/10/15	Tue 6/10/15	65	67	N
67	Rejected by EPD	16 days	Wed 7/10/15	Thu 22/10/15	66	68	N
68	Resubmission	3 days	Thu 17/12/15	Sat 19/12/15	67	69	N
69	Rejected by EPD	12 days	Sun 20/12/15	Thu 31/12/15	68	210	N
70	<b>Dumping Permit</b>	<b>801 days</b>	<b>Mon 17/2/14</b>	<b>Wed 27/4/16</b>			
71	<b>Type 1 and Type 2 Sediment</b>	<b>88 days</b>	<b>Mon 17/2/14</b>	<b>Thu 15/5/14</b>			
72	<b>Type 1 Sediment</b>	<b>57 days</b>	<b>Mon 17/2/14</b>	<b>Mon 14/4/14</b>			
73	Preparation and submission	50 days	Mon 17/2/14	Mon 7/4/14		74	N
74	Approval by EPD	7 days	Tue 8/4/14	Mon 14/4/14	73	205,207,224,209	N
75	<b>Type 2 Sediment</b>	<b>42 days</b>	<b>Fri 4/4/14</b>	<b>Thu 15/5/14</b>			
76	Preparation and submission	28 days	Fri 4/4/14	Thu 1/5/14		77	N
77	Approval by EPD	14 days	Fri 2/5/14	Thu 15/5/14	76	205,209	N
78	<b>Type 3 Sediment</b>	<b>201 days</b>	<b>Sat 10/10/15</b>	<b>Wed 27/4/16</b>			
79	Preparation and submission	14 days	Sat 10/10/15	Fri 23/10/15		80	N
80	Comment by EPD	17 days	Sat 24/10/15	Mon 9/11/15	79	81	N
81	Resubmission	21 days	Tue 10/11/15	Mon 30/11/15	80	83	N
82	<b>Trial dumping operation of Type 2 sediment using geo-containers</b>	<b>87 days</b>	<b>Tue 1/12/15</b>	<b>Thu 25/2/16</b>			
83	Preparation of method statement	41 days	Tue 1/12/15	Sun 10/1/16	81	84	N
84	Application for Marine Dumping Permit	1 day	Mon 11/1/16	Mon 11/1/16	83	85	N
85	Approval by EPD	45 days	Tue 12/1/16	Thu 25/2/16	84	214	N
86	Preparation and submission	9 days	Thu 31/3/16	Fri 8/4/16	214	87	N
87	Approval by EPD	19 days	Sat 9/4/16	Wed 27/4/16	86	215	N
88	<b>Type 3 Cat Hf Sediment (Portion A)</b>	<b>519 days</b>	<b>Fri 31/1/14</b>	<b>Fri 3/7/15</b>			
89	<b>Method statement for disposal</b>	<b>519 days</b>	<b>Fri 31/1/14</b>	<b>Fri 3/7/15</b>			
90	<b>Preparation and submission</b>	<b>519 days</b>	<b>Fri 31/1/14</b>	<b>Fri 3/7/15</b>			
91	Preparation and submission	60 days	Fri 31/1/14	Mon 31/3/14		92	N
92	Approval by Mott	30 days	Tue 1/4/14	Wed 30/4/14	91	94	N
93	<b>Resubmission based on Mott's previous submission to EPD</b>	<b>205 days</b>	<b>Thu 11/12/14</b>	<b>Fri 3/7/15</b>			
94	Preparation and submission	75 days	Thu 11/12/14	Mon 23/2/15	92	95	N
95	Approval by Mott	8 days	Tue 24/2/15	Tue 3/3/15	94	96	N
96	Comment by EPD	40 days	Wed 4/3/15	Sun 12/4/15	95	97	N
97	Mott's instruction to add monitoring stations at disposal ground	1 day	Tue 12/5/15	Tue 12/5/15	96	98	N
98	Resubmission to Mott	4 days	Wed 13/5/15	Sat 16/5/15	97	99	N
99	Approval by Mott	1 day	Sun 17/5/15	Sun 17/5/15	98	100	N
100	Resubmission to EPD	1 day	Mon 18/5/15	Mon 18/5/15	99	101	N
101	Comment by EPD	18 days	Tue 19/5/15	Fri 5/6/15	100	102	N
102	Resubmission to Mott	12 days	Sat 6/6/15	Wed 17/6/15	101	103	N
103	Resubmission to EPD	2 days	Thu 18/6/15	Fri 19/6/15	102	104	N
104	Approved by EPD	14 days	Sat 20/6/15	Fri 3/7/15	103	212,79,215	N
105	<b>Hot Spot (Portion A)</b>	<b>327 days</b>	<b>Tue 31/12/13</b>	<b>Sat 22/1/14</b>			
106	<b>Proposal for field trial at Zone Z2C</b>	<b>180 days</b>	<b>Tue 31/12/13</b>	<b>Sat 28/6/14</b>			
107	Preparation and submission	115 days	Tue 31/12/13	Thu 24/4/14		108	N
108	Approval by Mott	30 days	Fri 30/5/14	Sat 28/6/14	107	217	N
109	<b>Method statement for dredging works at Zone Z2B</b>	<b>61 days</b>	<b>Tue 23/9/14</b>	<b>Sat 22/1/14</b>			
110	Preparation and submission	14 days	Tue 23/9/14	Mon 6/10/14	217	111	N



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

\* Subject to availability of working windows  
 \*\* The removal of broken rock material will be carried out biweekly  
 \*\*\* The frequency of interim survey is once a month

ID	Task Name	Duration	Start	Finish	Predecessors	Successors	Resource Names
111	Approval by Mott	7 days	Tue 7/10/14	Mon 13/10/14	110	112	N
112	Endorsed by ETL	5 days	Tue 14/10/14	Sat 18/10/14	111	113	N
113	Verified by IEC	5 days	Sun 19/10/14	Thu 23/10/14	112	114	N
114	Approval by EPD	30 days	Fri 24/10/14	Sat 22/11/14	113	218	N
115	Method statement for dredging hard material	109 days	Tue 10/6/14	Fri 26/9/14			
116	Preparation and submission	14 days	Tue 10/6/14	Mon 23/6/14		117	N
117	Comment	3 days	Tue 24/6/14	Thu 26/6/14	116	118	N
118	Resubmission	14 days	Tue 15/7/14	Mon 28/7/14	117	119	N
119	Further comment	2 days	Tue 29/7/14	Wed 30/7/14	118	120	N
120	Resubmission	14 days	Thu 11/8/14	Wed 24/9/14	119	121	N
121	Approval by Mott	2 days	Thu 25/9/14	Fri 26/9/14	120	219	N
122	Dredging Works at Portions C, D and E	111 days	Mon 2/12/13	Sat 22/3/14			
123	Marine Notice approval by Marine Departemnt	48 days	Mon 2/12/13	Sat 18/1/14		224	N
124	Noise Permit	95 days	Wed 18/12/13	Sat 22/3/14		224	N
125	Dumping Permit	57 days	Thu 2/1/14	Thu 27/2/14		224	N
126	Remaining Works (Portion A)	154 days	Thu 21/7/16	Wed 21/12/16			
127	Rock excavation works outside berth KC5	154 days	Thu 21/7/16	Wed 21/12/16			
128	Works reviewed and agreed among CEDD and CIWE	0 days	Mon 5/9/16	Mon 5/9/16		130,148	N
129	Method Statement	106 days	Tue 6/9/16	Tue 20/12/16			
130	Preparation and submission	60 days	Tue 6/9/16	Fri 4/11/16		131	N
131	Resubmission	36 days	Sat 5/11/16	Sat 10/12/16		132	N
132	Approval	10 days	Sun 11/12/16	Tue 20/12/16		259	N
133	Marine Department Notice	107 days	Tue 6/9/16	Wed 21/12/16			
134	Preparation and submission	60 days	Tue 6/9/16	Fri 4/11/16		135	N
135	Resubmission	1 day	Thu 15/12/16	Thu 15/12/16	134,143	136	N
136	Approval	6 days	Fri 16/12/16	Wed 21/12/16		259	N
137	Marine Dumping Permit	30 days	Wed 26/10/16	Thu 24/11/16			
138	Preparation and submission	14 days	Wed 26/10/16	Tue 8/11/16		139	N
139	Approval	16 days	Wed 9/11/16	Thu 24/11/16		261	N
140	Pre-meeting with MTL	1 day	Tue 4/10/16	Tue 4/10/16		259	N
141	Drilling Barge	95 days	Thu 8/9/16	Sun 11/12/16			
142	AIP for Drilling Barge	0 days	Thu 8/9/16	Thu 8/9/16		249	N
143	Operating Licence for Drilling Barge	4 days	Thu 8/12/16	Sun 11/12/16		135	N
144	Backhoe Dredger	153 days	Thu 21/7/16	Tue 20/12/16			
145	AIP for Backhoe Dredger	0 days	Thu 21/7/16	Thu 21/7/16		252	N
146	Operating Licence for Backhoe Dredger	4 days	Sat 17/12/16	Tue 20/12/16		253	N
147	Hydraulic Breaker	10 days	Tue 6/9/16	Thu 15/9/16			
148	Purchase Order	10 days	Tue 6/9/16	Thu 15/9/16		255	N
149	Works	1442 days	Fri 27/9/13	Thu 7/9/17			
150	Routine Monitoring / Temporary Marine Traffic Management	1037 days	Fri 27/9/13	Fri 29/7/16			
151	Environmental Management	1022 days	Fri 27/9/13	Thu 14/7/16			
152	Baseline monitoring	81 days	Tue 31/12/13	Fri 21/3/14			
153	Monitoring (Location see Drg No. EM/401)	81 days	Tue 31/12/13	Fri 21/3/14			
154	Mobilization	3 days	Tue 31/12/13	Thu 2/1/14		13, 156,158	1
155	Field works and Lab Test	78 days	Fri 3/1/14	Fri 21/3/14			
156	Field works	3 days	Fri 3/1/14	Sun 5/1/14		154, 158SS+3 days	1
157	Lab test	75 days	Mon 6/1/14	Fri 21/3/14			
158	Chemical test	14 days	Mon 6/1/14	Sun 19/1/14	156SS+3 days,154	15	N
159	Biological test	42 days	Sat 8/2/14	Fri 21/3/14		15	N
160	Grab sample (Portions A, B & C)	256 days	Fri 27/9/13	Mon 9/6/14			
161	Marine Department Notice	45 days	Fri 27/9/13	Sun 10/11/13		162	N
162	Grab sample specialist mobilization	7 days	Mon 10/3/14	Sun 16/3/14		164	2
163	Grab sample (field works) and Lab Test	85 days	Mon 17/3/14	Mon 9/6/14			
164	Field works	3 days	Mon 17/3/14	Wed 19/3/14		166	2
165	Lab test	82 days	Thu 20/3/14	Mon 9/6/14			



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

\* Subject to availability of working windows  
 \*\* The removal of broken rock material will be carried out biweekly  
 \*\*\* The frequency of interim survey is once a month



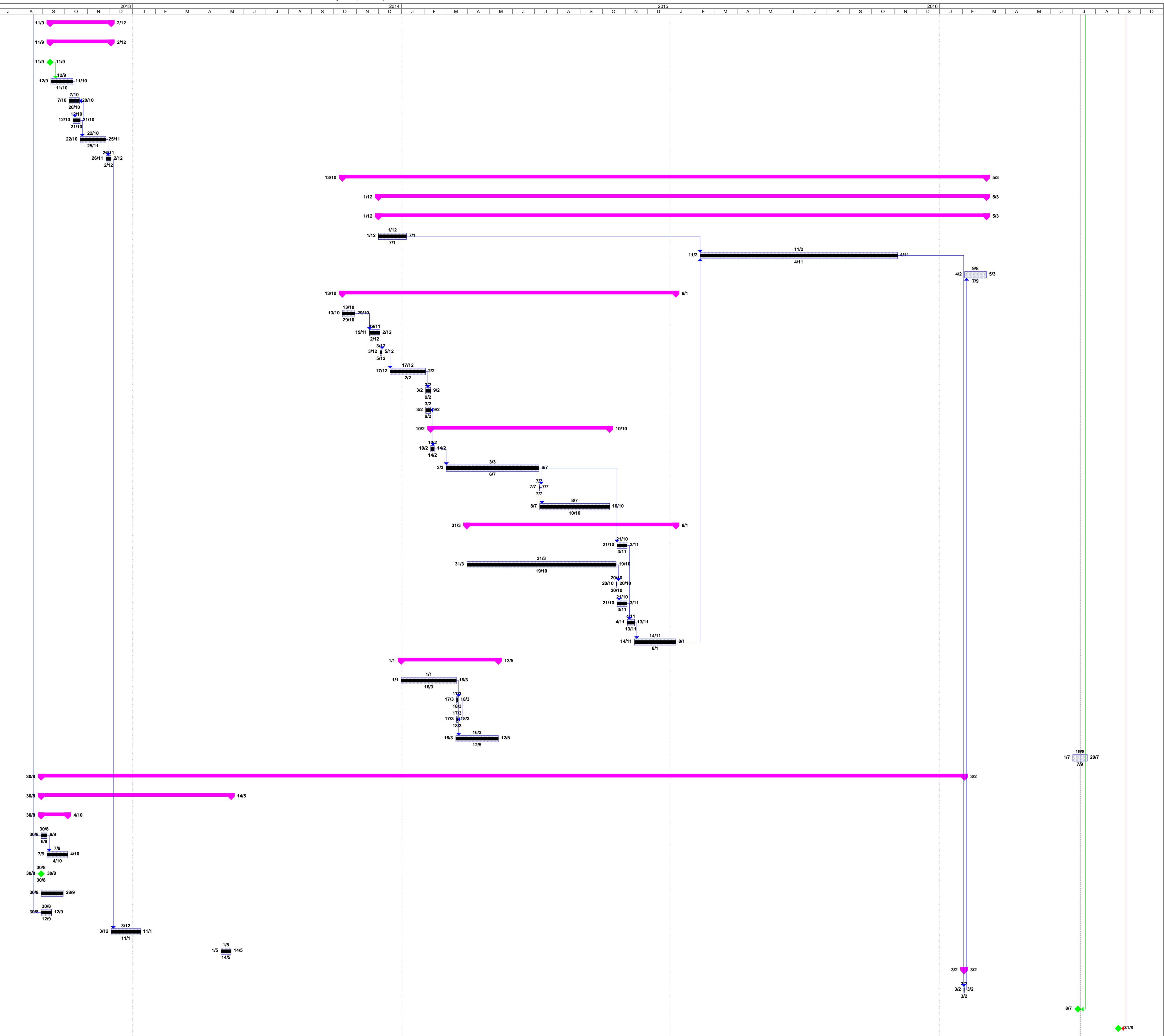


China International Water & Electric Corp. Task Critical Task Milestone Summary

\* Subject to availability of working windows  
 \*\* The removal of broken rock material will be carried out biweekly  
 \*\*\* The frequency of interim survey is once a month



ID	Task Name	Duration	Start	Finish	Predecessors	Successors	Resource Names
276	<b>Preliminaries (Portion F)</b>	83 days	Wed 11/9/13	Mon 2/12/13			
277	<b>Engineer Principal Accommodation</b>	83 days	Wed 11/9/13	Mon 2/12/13			
278	Preparation and submission of location and layout	0 days	Wed 11/9/13	Wed 11/9/13		279	N
279	Approval of location and layout	30 days	Thu 12/9/13	Fri 11/10/13	278	281	N
280	Independent Checking Engineer (ICE)	14 days	Mon 7/10/13	Sun 20/10/13	281FF-1 day		N
281	Preparation of calculation	10 days	Sat 12/10/13	Mon 21/10/13	279	282,280FF-1 day	N
282	Comment and resubmission of calculation	35 days	Tue 22/10/13	Mon 25/11/13	281	283	N
283	Approval of calculation	7 days	Tue 26/11/13	Mon 2/12/13	282	323	N
284	<b>Outfall Modification Works (Location see Drg No. S202)</b>	875 days	Mon 13/10/14	Sun 5/3/17			
285	<b>Method statement for modification works</b>	826 days	Mon 1/12/14	Sun 5/3/17			
286	<b>Preparation and submission</b>	826 days	Mon 1/12/14	Sun 5/3/17			
287	Preparation and submission	38 days	Mon 1/12/14	Wed 7/1/15		288	N
288	Awaiting resolving TMTA constraints	268 days	Thu 11/2/16	Fri 4/11/16	287,308	326	N
289	Further review diving safety zone with MD and HKPA	30 days	Sat 4/2/17	Sun 5/3/17	326		
290	<b>Flow Measurement Survey</b>	453 days	Mon 13/10/14	Fri 8/1/16			
291	Preparation and submission	17 days	Mon 13/10/14	Wed 29/10/14		292	N
292	Resubmission	14 days	Wed 19/11/14	Tue 2/12/14	291	293	N
293	Further comment by Mott	3 days	Wed 3/12/14	Fri 5/12/14	292	294	N
294	Resubmission	48 days	Wed 17/12/14	Mon 2/2/15	293	295	N
295	Approval by Mott	7 days	Tue 3/2/15	Mon 9/2/15	294	296FF	N
296	Approval by DSD	7 days	Tue 3/2/15	Mon 9/2/15	295FF	298	N
297	<b>Flow Survey Measurement report</b>	243 days	Tue 10/2/15	Sat 10/10/15			
298	Analyzing survey data	5 days	Tue 10/2/15	Sat 14/2/15	296	299	N
299	Preparation and submission	126 days	Tue 3/3/15	Mon 6/7/15	298	303,300	N
300	Approval by Mott	1 day	Tue 7/7/15	Tue 7/7/15	299	301	N
301	Approval by DSD	95 days	Wed 8/7/15	Sat 10/10/15	300		N
302	<b>Engineer's Assessment Report on Flow Measurement Survey</b>	284 days	Tue 31/3/15	Fri 8/1/16			
303	Assessment calculations	14 days	Wed 21/10/15	Tue 3/11/15	299	307	N
304	Preparation and submission	203 days	Tue 31/3/15	Mon 19/10/15		305	N
305	Further comment by Mott	1 day	Tue 20/10/15	Tue 20/10/15	304	306	N
306	Resubmission	14 days	Wed 21/10/15	Tue 3/11/15	305	307	N
307	Approval by Mott	10 days	Wed 4/11/15	Fri 13/11/15	306,303	308	N
308	Approval by DSD	56 days	Sat 14/11/15	Fri 8/1/16	307	288	N
309	<b>Video Filming and Dye Test</b>	132 days	Thu 1/1/15	Tue 12/5/15			
310	Preparation and submission	75 days	Thu 1/1/15	Mon 16/3/15		311,313FS-1 day	N
311	Approval by Mott	2 days	Tue 17/3/15	Wed 18/3/15	310	312FF	N
312	Approval by DSD	2 days	Tue 17/3/15	Wed 18/3/15	311FF		N
313	Using digital camera in lieu of CCTV	58 days	Mon 16/3/15	Tue 12/5/15	310FS-1 day		N
314	Deletion of Modification works by the Engineer	20 days	Sat 1/7/17	Thu 20/7/17			N
315	<b>Works</b>	1254 days	Fri 30/8/13	Fri 3/2/17			
316	<b>Preliminaries (Portion F)</b>	258 days	Fri 30/8/13	Wed 14/5/14			
317	<b>Contractor's mobilization</b>	36 days	Fri 30/8/13	Fri 4/10/13			
318	Site clearance	8 days	Fri 30/8/13	Fri 6/9/13		45S,319	10
319	Contractor's site office	28 days	Sat 7/9/13	Fri 4/10/13	318		10
320	Security Guard	0 days	Fri 30/8/13	Fri 30/8/13		45S	11
321	Temporary electricity power supply	30 days	Fri 30/8/13	Sat 28/9/13		45S	10
322	Engineer's Initial Temporary Accommodation	14 days	Fri 30/8/13	Thu 12/9/13		45S	10
323	Engineer's Principal Accommodation	40 days	Tue 3/12/13	Sat 11/1/14	283		12
324	Engineer's Car Park	14 days	Thu 1/5/14	Wed 14/5/14			12
325	<b>Outfall Modification Works (Location see Drg No. S202)</b>	1 day	Fri 3/2/17	Fri 3/2/17			
326	Underwater inspection and underwater filming	1 day	Fri 3/2/17	Fri 3/2/17	288	289	14
327	<b>Extended Contract Completion Date</b>	0 days	Sat 8/7/17	Sat 8/7/17	3FF		
328	<b>Revised Contract Completion Date</b>	0 days	Thu 31/8/17	Thu 31/8/17	272FF		



\* Subject to availability of working windows  
 \*\* The removal of broken rock material will be carried out biweekly  
 \*\*\* The frequency of interim survey is once a month

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

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 <sup>#</sup>	5.43	5.27 <sup>+</sup>	6.7 or 120% <sup>C*</sup>	10.1 or 130% <sup>C^</sup>	12 or 120% <sup>C*</sup>	19 or 130% <sup>C^</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.36	0.39
Gazetted Beach																				
SR2	5.45	5.39 <sup>#</sup>	5.43	5.27 <sup>+</sup>	6.7 or 120% <sup>C*</sup>	10.1 or 130% <sup>C^</sup>	12 or 120% <sup>C*</sup>	19 or 130% <sup>C^</sup>	NA	NA	NA	NA	0.21 or 120% <sup>C*</sup>	0.24 or 130% <sup>C^</sup>	0.021	0.021	NA	NA	NA	NA
SR3																				
EMSD Cooling Water Intake																				
SR13	5.31	5.22 <sup>#</sup>	5.29	5.12 <sup>+</sup>	13.1 or 120% <sup>C*</sup>	15.7 or 130% <sup>C^</sup>	23 or 120% <sup>C*</sup>	38 or 130% <sup>C^</sup>	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, NH<sub>3</sub>-N, SS, BOD<sub>5</sub>, 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 NH<sub>3</sub>-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, NH<sub>3</sub>-N, SS, BOD<sub>5</sub>, 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 NH<sub>3</sub>-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.

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

Appendix D  
Copies of Calibration Certificates

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

Calibration Certificates  
Impact Monitoring

# FUGRO TECHNICAL SERVICES LIMITED

Fugro Development Centre,  
5 Lok Yi Street, Tai Lam,  
Tuen Mun, N.T.,  
Hong Kong.

Tel : +852 2450 8233  
Fax : +852 2450 6138  
E-mail : matlab@fugro.com  
Website : www.fugro.com

# MateriaLab

Report No. : 142626WA170992



Page 1 of 3

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

### Information Supplied by Client

Client : MateriaLab Consultants Limited

Client's address : Rm. 23, 25, 7/F, Profit Industrial Building, No. 1-15,  
Kwai Fung Crescent, Kwai Chung, N.T.

Project : CV/2013/04 – Providing Sufficient Water Depth for  
Kwai Tsing Container Basin and its Approach Channel

Sample description : One YSI 69201V2-M Multi-parameter Water Quality Meter

Client sample ID : Serial No. 14A102908

Test required : Calibration of the YSI 69201V2-M Multi-parameter Water Quality  
Meter

### Laboratory Information

Lab. sample ID : WA170453/1

Date sample received : 29/06/2017

Date of calibration : 30/06/2017

Next calibration date : 29/09/2017

Test method used : In-house comparison method

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

**FUGRO TECHNICAL SERVICES LIMITED**

Fugro Development Centre,  
5 Lok Yi Street, Tai Lam,  
Tuen Mun, N.T.,  
Hong Kong.

Tel : +852 2450 8233  
Fax : +852 2450 6138  
E-mail : matlab@fugro.com  
Website : www.fugro.com



Report No. : 142626WA170992

Page 2 of 3

**Results :****A. pH calibration**

pH reading at 23°C for Q.C. solution(6.86) and at 23°C for Q.C. solution(9.18)		
Theoretical	Measured	Deviation
9.18	9.08	-0.10
6.86	6.93	+0.07

**B. Salinity calibration**

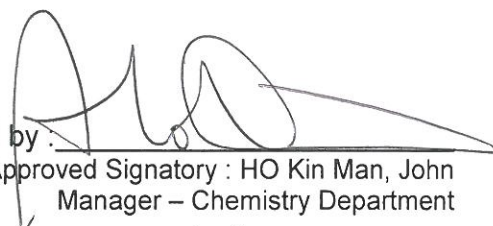
Salinity, ppt			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
10	10.02	+0.02	± 0.5
20	20.08	+0.08	± 1.0
30	30.33	+0.33	± 1.5
40	40.09	+0.09	± 2.0

**C. Dissolved Oxygen calibration**

Trial No.	Dissolved oxygen content, mg/L	
	By Titration	By D.O. meter
1	8.13	8.24
2	8.17	8.26
3	8.21	8.35
Average	8.17	8.28

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

Supervised by : Y. M. Chung

Certified by :   
Approved Signatory : HO Kin Man, John  
Manager – Chemistry Department

Date : 13/7/2017

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

Report No. : 142626WA170992

Page 3 of 3

**Results :**

**D. Temperature calibration**

Thermometer reading, °C	Meter reading, °C
23.4	23.35

**E. Turbidity calibration**

Turbidity, N.T.U.			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
0	0.3	+0.3	± 0.5
4	4.1	+0.1	± 0.6
8	8.5	+0.5	± 0.8
40	41.0	+1.0	± 3.0
80	79.7	-0.3	± 4.0

Supervised by : Y. M. Chung

Certified by :   
Approved Signatory : HO Kin Man, John  
Manager – Chemistry Department

Date : 13/7/2017

\*\* End of Report \*\*

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





**MATERIALAB CONSULTANTS LIMITED**Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk**MaterialLab****Photometer Check Log**

Calibration Date:	14 July 2017		
Parameter:	NH <sub>3</sub> -N		
Check Solution ID:	0.2 mg/L NH <sub>3</sub> -N		
Check Solution Prepared by:	Fugro Technical Services		
Check Solution Concentration (mg/L):	0.2 mg/L		
Equipment (Brand & Model, Equipment No.):	Labind MD600 W-18	Labind MD600 W-20	Labind MD600 W-21
Concentration Reading on Photometer:	0.20 mg/L	0.19 mg/L	0.21 mg/L
Next Calibration Date:	12 August 2017		

Prepared by: AYDate: 14 July 2017Checked by: [Signature]Date: 14 July 2017

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
 5 Lok Yi Street,  
 17 M.S. Castle Peak Road,  
 Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
 Fax : (852)-24508032  
 Email : mcl@fugro.com.hk

**MaterialLab****Photometer Check Log**

Calibration Date:	14 July 2017		
Parameter:	NO <sub>3</sub> -N		
Check Solution ID:	0.4 mg/L NO <sub>3</sub> -N		
Check Solution Prepared by:	Fugro Technical Services		
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:	0.417 mg/L	0.369 mg/L	0.388 mg/L
Next Calibration Date:	12 August 2017		

Prepared by: Date: 14 July 2017Checked by: Date: 14 July 2017

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
 5 Lok Yi Street,  
 17 M.S. Castle Peak Road,  
 Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
 Fax : (852)-24508032  
 Email : mcl@fugro.com.hk

**MaterialLab****Photometer Check Log**

Calibration Date:	12 August 2017		
Parameter:	NO <sub>2</sub> -N		
Check Solution ID:	0.2 mg/L NO <sub>2</sub> -N		
Check Solution Prepared by:	Fugro Technical Services		
Check Solution Concentration (mg/L):	0.2 mg/L		
Equipment (Brand & Model, Equipment No.):	Loiibond MD600 W-16	Loiibond MD600 W-20	Loiibond MD600 W-21
Concentration Reading on Photometer:	0.21	0.19	0.21
Next Calibration Date:	11 September 2017		

Prepared by: AYDate: 12 August 2017Checked by: ↓Date: 12 August 2017

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
 5 Lok Yi Street,  
 17 M.S. Castle Peak Road,  
 Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
 Fax : (852)-24508032  
 Email : mcl@fugro.com.hk

**MaterialLab****Photometer Check Log**

Calibration Date:	12 August 2017		
Parameter:	NH <sub>3</sub> -N		
Check Solution ID:	0.2 mg/L NH <sub>3</sub> -N		
Check Solution Prepared by:	Fugro Technical Services		
Check Solution Concentration (mg/L):	0.2 mg/L		
Equipment (Brand & Model, Equipment No.):	Lovibond MD600 W-18	Lovibond MD600 W-20	Lovibond MD600 W-21
Concentration Reading on Photometer:	0.19 mg/L	0.19 mg/L	0.19 mg/L
Next Calibration Date:	11 September 2017		

Prepared by: AYDate: 12 August 2017Checked by: [Signature]Date: 12 August 2017

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

**MaterialLab****Photometer Check Log**

Calibration Date:	12 August 2017		
Parameter:	NO <sub>3</sub> -N		
Check Solution ID:	0.4 mg/L NO <sub>3</sub> -N		
Check Solution Prepared by:	Fugro Technical Services		
Check Solution Concentration (mg/L):	0.4 mg N/L		
Equipment (Brand & Model, Equipment No.):	HACH DR900 W-09	HACH DR900 N-10	HACH DR900 W-11
Concentration Reading on Photometer:	0.380 mg/L	0.433 mg/L	0.372 mg/L
Next Calibration Date:	11 September 2017		

Prepared by: 

Date: 12 August 2017

Checked by: 

Date: 12 August 2017

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

Calibration Certificate  
24-hr Monitoring

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)



Calibration Certificate  
24-hr Monitoring – SR4



## FUGRO TECHNICAL SERVICES LIMITED

Fugro Development Centre,  
5 Lok Yi Street, Tai Lam,  
Tuen Mun, N.T.,  
Hong Kong.

Tel : +852 2450 8233  
Fax : +852 2450 6138  
E-mail : matlab@fugro.com  
Website : www.fugro.com

# MaterialLab

Report No. : 142626WA170992(3)



Page 1 of 2

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

#### Information Supplied by Client

Client : MaterialLab Consultants Limited

Client's address : Rm. 23, 25, 7/F, Profit Industrial Building, No. 1-15,  
Kwai Fung Crescent, Kwai Chung, N.T.

Project : CV/2013/04 – Providing Sufficient Water Depth for  
Kwai Tsing Container Basin and its Approach Channel

Sample description : One YSI 69201V2-M Multi-parameter Water Quality Meter

Client sample ID : Serial No. 14A102901

Test required : Calibration of the YSI 69201V2-M Multi-parameter Water Quality  
Meter

#### Laboratory Information

Lab. sample ID : WA170992/4

Date sample received : 29/06/2017

Date of calibration : 30/06/2017

Next calibration date : 29/09/2017

Test method used : In-house comparison method

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

**FUGRO TECHNICAL SERVICES LIMITED**

Fugro Development Centre,  
5 Lok Yi Street, Tai Lam,  
Tuen Mun, N.T.,  
Hong Kong.

Tel : +852 2450 8233  
Fax : +852 2450 6138  
E-mail : matlab@fugro.com  
Website : www.fugro.com

# MaterialLab

Report No. : 142626WA170992(3)

Page 2 of 2

**Results :**

**A. Dissolved Oxygen calibration**

Trial No.	Dissolved oxygen content, mg/L	
	By Titration	By D.O. meter
1	8.21	8.40
2	8.17	8.36
3	8.17	8.36
Average	8.18	8.37

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

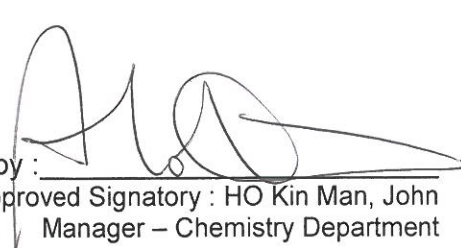
**B. Temperature calibration**

Thermometer reading, °C	Meter reading, °C
23.3	23.20

**C. Turbidity calibration**

Turbidity, N.T.U.			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
0	0.0	0.0	± 0.5
4	4.0	0.0	± 0.6
8	8.2	+0.2	± 0.8
40	40.3	+0.3	± 3.0
80	80.3	+0.3	± 4.0

Supervised by : Y. M. Chung

Certified by :   
Approved Signatory : HO Kin Man, John  
Manager – Chemistry Department

Date : 20/7/2017

**\*\* End of Report \*\***

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

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)



Calibration Certificate  
24-hr Monitoring – SR5

## FUGRO TECHNICAL SERVICES LIMITED

Fugro Development Centre,  
5 Lok Yi Street, Tai Lam,  
Tuen Mun, N.T.,  
Hong Kong.

Tel : +852 2450 8233  
Fax : +852 2450 6138  
E-mail : matlab@fugro.com  
Website : www.fugro.com

# MateriaLab

Report No. : 142626WA170992(2)



Page 1 of 2

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

#### Information Supplied by Client

Client : MateriaLab Consultants Limited

Client's address : Rm. 23, 25, 7/F, Profit Industrial Building, No. 1-15,  
Kwai Fung Crescent, Kwai Chung, N.T.

Project : CV/2013/04 – Providing Sufficient Water Depth for  
Kwai Tsing Container Basin and its Approach Channel

Sample description : One YSI 69201V2-M Multi-parameter Water Quality Meter

Client sample ID : Serial No. 14E101875

Test required : Calibration of the YSI 69201V2-M Multi-parameter Water Quality  
Meter

#### Laboratory Information

Lab. sample ID : WA170992/3

Date sample received : 29/06/2017

Date of calibration : 30/06/2017

Next calibration date : 29/09/2017

Test method used : In-house comparison method

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

Report No. : 142626WA170992(2)

Page 2 of 2

**Results :**

**A. Dissolved Oxygen calibration**

Trial No.	Dissolved oxygen content, mg/L	
	By Titration	By D.O. meter
1	8.13	8.11
2	8.04	8.16
3	8.04	8.08
Average	8.07	8.12

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

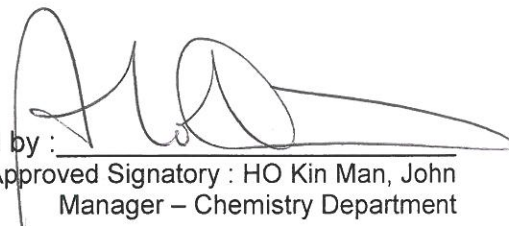
**B. Temperature calibration**

Thermometer reading, °C	Meter reading, °C
23.8	23.52

**C. Turbidity calibration**

Turbidity, N.T.U.			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
0	0.3	+0.3	± 0.5
4	4.4	+0.4	± 0.6
8	8.6	+0.6	± 0.8
40	39.8	-0.2	± 3.0
80	79.6	-0.4	± 4.0

Supervised by : Y. M. Chung

Certified by :   
Approved Signatory : HO Kin Man, John  
Manager – Chemistry Department

Date : 13/7/2017

**\*\* End of Report \*\***

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

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

**MaterialLab**

---

Calibration Certificate  
24-hr Monitoring – SR12



## FUGRO TECHNICAL SERVICES LIMITED

Fugro Development Centre,  
5 Lok Yi Street, Tai Lam,  
Tuen Mun, N.T.,  
Hong Kong.

Tel : +852 2450 8233  
Fax : +852 2450 6138  
E-mail : matlab@fugro.com  
Website : www.fugro.com

# Materialab

Report No. : 142626WA170992(1)



Page 1 of 2

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

#### Information Supplied by Client

Client : Materialab Consultants Limited

Client's address : Rm. 23, 25, 7/F, Profit Industrial Building, No. 1-15,  
Kwai Fung Crescent, Kwai Chung, N.T.

Project : CV/2013/04 – Providing Sufficient Water Depth for  
Kwai Tsing Container Basin and its Approach Channel

Sample description : One YSI 69201V2-M Multi-parameter Water Quality Meter

Client sample ID : Serial No. 14E102239

Test required : Calibration of the YSI 69201V2-M Multi-parameter Water Quality  
Meter

#### Laboratory Information

Lab. sample ID : WA170992/2

Date sample received : 29/06/2017

Date of calibration : 30/06/2017

Next calibration date : 29/09/2017

Test method used : In-house comparison method

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

Report No. : 142626WA170992(1)

Page 2 of 2

**Results :**

**A. Dissolved Oxygen calibration**

Trial No.	Dissolved oxygen content, mg/L	
	By Titration	By D.O. meter
1	8.25	8.42
2	8.25	8.44
3	8.29	8.45
Average	8.26	8.44

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

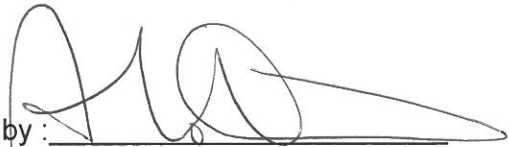
**B. Temperature calibration**

Thermometer reading, °C	Meter reading, °C
22.9	22.68

**C. Turbidity calibration**

Turbidity, N.T.U.			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
0	0.3	+0.3	± 0.5
4	4.4	+0.4	± 0.6
8	8.6	+0.6	± 0.8
40	41.1	+1.1	± 3.0
80	79.8	-0.2	± 4.0

Supervised by : Y. M. Chung

Certified by :   
Approved Signatory : HO Kin Man, John  
Manager – Chemistry Department

Date : 13/7/2017

**\*\* End of Report \*\***

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



---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

**MaterialLab**

---

Calibration Certificate  
24-hr Monitoring – SR13

## FUGRO TECHNICAL SERVICES LIMITED

Fugro Development Centre,  
5 Lok Yi Street, Tai Lam,  
Tuen Mun, N.T.,  
Hong Kong.

Tel : +852 2450 8233  
Fax : +852 2450 6138  
E-mail : matlab@fugro.com  
Website : www.fugro.com

# MaterialLab

Report No. : 142626WA170992(3)



Page 1 of 2

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

#### Information Supplied by Client

Client : MaterialLab Consultants Limited

Client's address : Rm. 23, 25, 7/F, Profit Industrial Building, No. 1-15,  
Kwai Fung Crescent, Kwai Chung, N.T.

Project : CV/2013/04 – Providing Sufficient Water Depth for  
Kwai Tsing Container Basin and its Approach Channel

Sample description : One YSI 69201V2-M Multi-parameter Water Quality Meter

Client sample ID : Serial No. 14A102898

Test required : Calibration of the YSI 69201V2-M Multi-parameter Water Quality  
Meter

#### Laboratory Information

Lab. sample ID : WA170992/4

Date sample received : 29/06/2017

Date of calibration : 30/06/2017

Next calibration date : 29/09/2017

Test method used : In-house comparison method

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

**FUGRO TECHNICAL SERVICES LIMITED**

Fugro Development Centre,  
5 Lok Yi Street, Tai Lam,  
Tuen Mun, N.T.,  
Hong Kong.

Tel : +852 2450 8233  
Fax : +852 2450 6138  
E-mail : matlab@fugro.com  
Website : www.fugro.com

**MaterialLab**

Report No. : 142626WA170992(3)

Page 2 of 2

**Results :****A. Dissolved Oxygen calibration**

Trial No.	Dissolved oxygen content, mg/L	
	By Titration	By D.O. meter
1	7.88	7.81
2	7.79	7.83
3	7.83	7.82
Average	7.83	7.82

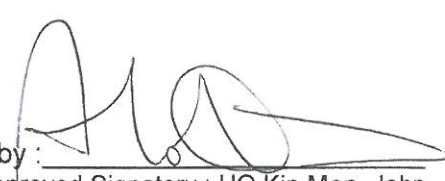
Differences of D.O. Content between Winkler Titration and D.O. meter should be less than 0.4 mg/L

**B. Temperature calibration**

Thermometer reading, °C	Meter reading, °C
24.0	24.1

**C. Turbidity calibration**

Turbidity, N.T.U.			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
0	-0.8	-0.8	± 0.8
4	3.40	-0.60	± 1.0
8	7.20	-0.80	± 1.2
40	39.80	-0.20	± 2.0
80	80.20	+0.20	± 4.0

Supervised by : Y. M. Chung
 Certified by :   
 Approved Signatory : HO Kin Man, John  
 Manager – Chemistry Department
Date : 20/7/2017**\*\* End of Report \*\****Note : This report refers only to the sample(s) tested.*

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

**MaterialLab**

---

Calibration Certificate  
24-hr Monitoring – Micromac 1000





---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

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 2017	24	25 Routine WQM Mid-Flood (7:00) Mid-Ebb (13:47)	26	27 Routine WQM Mid-Flood (8:33) Mid-Ebb (15:12)	28	29 Routine WQM Mid-Flood (10:08) Mid-Ebb (16:33)
30	31	1 August 2017 Routine WQM Mid-Ebb (8:07) Mid-Flood (14:44)	2	3 Routine WQM Mid-Ebb (9:46) Mid-Flood (16:58)	4	5 Routine WQM Mid-Ebb (11:02) Mid-Flood (18:21)
6	7	8 Routine WQM Mid-Flood (6:03) Mid-Ebb (12:45)	9	10 Routine WQM Mid-Flood (7:29) Mid-Ebb (13:58)	11	12 Routine WQM Mid-Flood (8:58) Mid-Ebb (15:16)
13	14	15 Routine WQM Mid-Flood (12:22) Mid-Ebb (18:02)	16	17 Routine WQM Mid-Ebb (8:26) Mid-Flood (15:19)	18	19 Routine WQM Mid-Ebb (10:24) Mid-Flood (17:31)
20	21	22 Routine WQM Mid-Flood (6:05) Mid-Ebb (12:44)				

**Remarks**

1. Actual monitoring will be subjected to change due to any safety concern or adverse weather condition.
2. According to the approved proposal (0394\_13\_ED\_03321), starting from 23 January 2017, routine impact water quality monitoring locations are SR2, SR3, SR4, SR5, SR12, SR13, G2, C1A and C2A.



Water Quality Monitoring Schedule (Next Reporting Period)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
			23 August 2017	24 Routine WQM Mid-Flood (7:36) Mid-Ebb (14:05)	25	26 Routine WQM Mid-Flood (9:01) Mid-Ebb (15:18)
27	28	29 Routine WQM Mid-Flood (12:13) Mid-Ebb (17:54)	30	31 Routine WQM Mid-Ebb (8:09) Mid-Flood (15:52)	1 September 2017	2 Routine WQM Mid-Ebb (9:49) Mid-Flood (17:22)
3	4	5 Routine WQM Mid-Ebb (11:42) Mid-Flood (18:37)	6	7 Routine WQM Mid-Flood (6:35) Mid-Ebb (12:58)	8	9 Routine WQM Mid-Flood (8:05) Mid-Ebb (14:17)
10	11	12 Routine WQM Mid-Flood (10:54) Mid-Ebb (16:43)	13	14 Routine WQM Mid-Ebb (6:49) Mid-Flood (13:59)	15	16 Routine WQM Mid-Ebb (9:17) Mid-Flood (16:33)
17	18	19 Routine WQM Mid-Ebb (11:44) Mid-Flood (18:17)	20	21 Routine WQM Mid-Flood (6:43) Mid-Ebb (13:04)	22	

**Remarks**

- Actual monitoring will be subjected to change due to any safety concern or adverse weather condition.
- According to the approved proposal (0394\_13\_ED\_0332I), starting from 23 January 2017, routine impact water quality monitoring locations are SR2, SR3, SR4, SR5, SR12, SR13, G2, C1A and C2A.

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

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 Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	S	1	1	7.83																									
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	S	1	2	7.83	7.83	20.14	20.15	27.96	27.97	89.2	89.5	89.4	6.49	6.52	6.51														
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	S	1	3																										
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	M	14	1	7.85	7.85	19.96	20.02	27.97	27.95	87.8	87.7	87.7	6.41	6.40	6.41														
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	M	14	2	7.84																									
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	M	14	3																										
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	B	27	1	7.85	7.85	20.06	20.07	27.95	27.95	86.2	86.0	86.1	6.34	6.32	6.33														
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	B	27	2	7.85																									
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	B	27	3																										
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	S	1	1	7.70	7.70	22.81	22.82	28.02	28.01	86.3	86.5	86.4	6.32	6.33	6.33														
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	S	1	2	7.70																									
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	S	1	3																										
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	M	6.5	1	7.71	7.71	22.63	22.63	28.01	28.02	85.9	85.4	85.7	6.28	6.25	6.27														
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	M	6.5	2	7.70																									
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	M	6.5	3																										
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	B	12	1	7.73	7.72	22.67	22.67	27.98	27.98	84.8	84.6	84.7	6.12	6.10	6.11														
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	B	12	2	7.71																									
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	B	12	3																										
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	B	12	3																										
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	S	1	1	7.83	7.84	23.18	23.20	27.91	27.92	86.2	86.0	86.1	6.26	6.25	6.26														
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	S	1	2	7.85																									
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	S	1	3																										
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	M	6	1	7.85	7.85	23.14	23.18	27.92	27.92	85.4	85.3	85.4	6.22	6.21	6.22														
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	M	6	2	7.84																									
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	M	6	3																										
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	B	11	1	7.85	7.85	23.24	23.25	27.90	27.90	83.8	83.6	83.7	6.12	6.10	6.11														
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	B	11	2	7.85																									
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	B	11	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	S	1	1	7.89	7.89	23.46	23.49	27.94	27.95	90.4	90.2	90.3	6.57	6.55	6.56														
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	S	1	2	7.88																									
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	S	1	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	M	4.5	1	7.88	7.88	23.54	23.52	27.94	27.94	88.1	88.4	88.3	6.37	6.39	6.38														
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	M	4.5	2	7.87																									
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	M	4.5	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	1	7.88	7.88	23.58	23.60	27.95	27.95	87.4	87.6	87.5	6.30	6.31	6.31														
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	2	7.87																									
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3																										
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45																														



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 <sub>5</sub> (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	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	S	1	1	4	4	0.10 0.11	0.11	0.12	0.004 0.004	0.004	0.005	0.10 0.11	0.78 0.79	0.09 0.09	0.97 0.99	0.98	42 46	44	82	NA	NA	NA	<1	1	1												
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	S	1	2	4																0.13	0.13	0.005	0.005	0.13		0.75	0.09	0.97	50	53	NA	NA	NA	<1	1		
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	M	14	1	3																0.12	0.12	0.005	0.005	0.12		0.78	0.09	0.99	57	53	NA	NA	NA	<1	1		
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	M	14	2	4																0.12	0.12	0.005	0.005	0.13		0.75	0.09	0.97	260	234	NA	NA	NA	<1	1		
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	B	27	1	4	4	0.12 0.11	0.12	0.005 0.005	0.005	0.005	0.11 0.11	0.77 0.78	0.09 0.09	0.97 0.98	0.98	210	234	82	NA	NA	NA	<1	1	1													
C1A	25/7/2017	Mid-Flood	Fine	Moderate	9:35	28	B	27	2	4															0.98	0.98	0.029	0.029	0.98		0.37	0.04	1.39	560	534	NA	NA	NA	1	2			
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	S	1	1	5															0.98	0.98	0.029	0.029	0.98		0.38	0.04	1.40	510	534	NA	NA	NA	2	2			
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	S	1	3	3															0.99	0.99	0.031	0.031	0.99		0.38	0.04	1.41	300	263	NA	NA	NA	<1	1			
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	M	6.5	1	6	6	1.06 0.99	1.03	1.03	0.031 0.029	0.030	0.031	1.06 0.99	0.38 0.38	0.04 0.04	1.48 1.41	1.43	1.45	359	NA	NA	NA	<1	1	1													
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	M	6.5	2	5															1.00	1.00	0.034	0.034	1.00		0.37	0.04	1.41	230	263	NA	NA	NA	<1	1			
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	B	12	1	9															1.11	1.11	0.033	0.033	1.11		0.38	0.04	1.53	310	329	NA	NA	NA	<1	1			
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	B	12	2	11															1.08	1.10	0.033	0.033	1.08		0.37	0.04	1.49	350	329	NA	NA	NA	<1	1			
C2A	25/7/2017	Mid-Flood	Fine	Moderate	6:40	13	B	12	3	3	1.13	1.13	0.033	0.033	1.13	0.37	0.04	1.54																									
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	S	1	1	6	5	NA	NA	NA	NA	NA	NA	0.10 0.10	0.56 0.56	0.06 0.06	0.72 0.72	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA												
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	S	1	2	4																0.11	0.11	0.004	0.004	0.11		0.56	0.06	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	M	6	1	7																0.11	0.11	0.004	0.004	0.11		0.58	0.05	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	M	6	2	5																0.11	0.11	0.004	0.004	0.11		0.57	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	M	6	3	3	0.10	0.10	0.004	0.004	0.10	0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA																
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	B	11	1	7	6	NA	NA	NA	NA	NA	NA	0.13 0.12	0.57 0.57	0.06 0.06	0.76 0.76	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA												
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	B	11	2	5																0.12	0.12	0.004	0.004	0.12		0.58	0.06	0.76	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	B	11	3	3																0.10	0.10	0.004	0.004	0.10		0.58	0.06	0.76	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	25/7/2017	Mid-Flood	Fine	Moderate	8:30	12	B	11	3	3																0.11	0.11	0.004	0.004	0.11		0.58	0.06	0.76	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	S	1	1	3	4	0.10 0.11	0.11	0.10	0.004 0.005	0.005	0.004	NA NA	NA NA	NA NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	S	1	2	5															0.10	0.10	0.004	0.004	0.10		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	M	4.5	1	3															0.10	0.10	0.004	0.004	0.10		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	M	4.5	2	3															0.10	0.10	0.004	0.004	0.10		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	1	3	3	0.11	0.11	0.10	0.005 0.004	0.004	0.004	NA NA	NA NA	NA NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	2	3															0.10	0.10	0.005	0.005	0.10		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3	3															0.10	0.10	0.005	0.005	0.10		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	25/7/2017	Mid-Flood	Fine	Moderate	8:45	9	B	8	3	3															0.10	0.10	0.005	0.005	0.10		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	25/7/2017	Mid-Flood	Fine	Moderate	8:10	8	S	1	1	4	5	0.12 0.12	0.12	0.12	0.005 0.005	0.005	0.005	NA NA	NA NA	NA NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
SR3	25/7/2017	Mid-Flood	Fine	Moderate	8:10	8	S	1	2	5															0.12	0.12	0.005	0.005	0.12		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	25/7/2017	Mid-Flood	Fine	Moderate	8:10	8	S	1	3	3															0.12	0.12	0.005	0.005	0.12		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	25/7/2017	Mid-Flood	Fine	Moderate	8:10	8	M	4	1	4															0.13	0.13	0.006	0.006	0.13		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	25/7/2017	Mid-Flood	Fine	Moderate	8:10	8	M	4	2	3	4	0.13	0.13	0.12	0.006 0.006	0.006	0.006	NA NA	NA NA	NA NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
SR3	25/7/2017	Mid-Flood	Fine	Moderate	8:10	8	M	4	3	3															0.11	0.11	0.005	0.005	0.11		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	25/7/2017	Mid-Flood	Fine	Moderate	8:10	8	B	7	1	3															0.13	0.13	0.006	0.006	0.13		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	25/7/2017	Mid-Flood	Fine	Moderate	8:10	8	B	7	2	4															0.13	0.12	0.006	0.006	0.13		0.58	0.06	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	25/7/2017	Mid-Flood	Fine	Moderate	8:10	8	B	7	3	3	0.13	0.12	0.006	0.006	0.13	0.58	0.06	0.74	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 <sub>5</sub> (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	25/7/2017	Mid-Flood	Fine	Moderate	7:45	4	S	1	1	4	5	0.16	0.14	0.15	0.006	0.005	0.005	NA	NA	NA	NA	NA	NA	540	600	569	470	NA	NA	NA	<1	<1	1	1																							
SR4	25/7/2017	Mid-Flood	Fine	Moderate	7:45	4	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							
SR4	25/7/2017	Mid-Flood	Fine	Moderate	7:45	4	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							
SR4	25/7/2017	Mid-Flood	Fine	Moderate	7:45	4	M	1	1	1	NA	4	NA	0.14	NA	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																								
SR4	25/7/2017	Mid-Flood	Fine	Moderate	7:45	4	M	2	2	2																								0.12	0.13	0.004	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	25/7/2017	Mid-Flood	Fine	Moderate	7:45	4	B	3	3	3																								0.14	0.13	0.004	0.005	NA	NA	NA	NA	NA	NA	NA	NA	360	420	389	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	25/7/2017	Mid-Flood	Fine	Moderate	9:10	11	S	1	1	4	3	NA	NA	NA	NA	NA	NA	0.12	0.70	0.07	0.89	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																							
SR5	25/7/2017	Mid-Flood	Fine	Moderate	9:10	11	S	1	2	2																									NA	NA	NA	NA	NA	NA	0.10	0.70	0.08	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	25/7/2017	Mid-Flood	Fine	Moderate	9:10	11	S	1	3	3																									NA	NA	NA	NA	NA	NA	0.10	0.69	0.08	0.87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	25/7/2017	Mid-Flood	Fine	Moderate	9:10	11	M	5.5	1	3	3	4	NA	NA	NA	NA	NA	0.11	0.70	0.08	0.89	0.89	0.89	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																							
SR5	25/7/2017	Mid-Flood	Fine	Moderate	9:10	11	M	5.5	2	3																									NA	NA	NA	NA	NA	NA	0.11	0.68	0.08	0.87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	25/7/2017	Mid-Flood	Fine	Moderate	9:10	11	M	5.5	3	3																									NA	NA	NA	NA	NA	NA	0.13	0.71	0.07	0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	25/7/2017	Mid-Flood	Fine	Moderate	9:10	11	B	10	1	8	7	NA	NA	NA	NA	NA	NA	0.10	0.70	0.08	0.88	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																							
SR5	25/7/2017	Mid-Flood	Fine	Moderate	9:10	11	B	10	2	6																									NA	NA	NA	NA	NA	NA	0.11	0.70	0.08	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	25/7/2017	Mid-Flood	Fine	Moderate	9:10	11	B	10	3	3																									NA	NA	NA	NA	NA	NA	0.11	0.70	0.08	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	25/7/2017	Mid-Flood	Fine	Moderate	7:20	15	S	1	1	5	5	0.16	0.16	0.16	0.005	0.005	0.005	NA	NA	NA	NA	NA	NA	740	660	699	486	NA	NA	NA	1	1	1	1																							
SR12	25/7/2017	Mid-Flood	Fine	Moderate	7:20	15	S	1	2	4																		0.14	0.15	0.16	0.004	0.005	0.005		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR12	25/7/2017	Mid-Flood	Fine	Moderate	7:20	15	M	7.5	1	6																		0.16	0.15	0.16	0.004	0.005	0.005		NA	NA	NA	NA	NA	NA	310	260	284	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR12	25/7/2017	Mid-Flood	Fine	Moderate	7:20	15	M	7.5	3	3	6	0.16	0.17	0.17	0.005	0.006	0.006	NA	NA	NA	NA	NA	NA	610	550	579	NA	NA	NA	NA	NA	NA	NA	NA																							
SR12	25/7/2017	Mid-Flood	Fine	Moderate	7:20	15	B	14	1	7																									0.16	0.17	0.17	0.005	0.006	0.006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	25/7/2017	Mid-Flood	Fine	Moderate	7:20	15	B	14	3	3																									0.18	0.17	0.17	0.006	0.006	0.006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	25/7/2017	Mid-Flood	Fine	Moderate	7:00	14	S	1	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	25/7/2017	Mid-Flood	Fine	Moderate	7:00	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	25/7/2017	Mid-Flood	Fine	Moderate	7:00	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	25/7/2017	Mid-Flood	Fine	Moderate	7:00	14	M	7	1	5	6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																								
SR13	25/7/2017	Mid-Flood	Fine	Moderate	7:00	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	
SR13	25/7/2017	Mid-Flood	Fine	Moderate	7:00	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	25/7/2017	Mid-Flood	Fine	Moderate	7:00	14	B	13	1	5	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																								
SR13	25/7/2017	Mid-Flood	Fine	Moderate	7:00	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	
SR13	25/7/2017	Mid-Flood	Fine	Moderate	7:00	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
SR13	25/7/2017	Mid-Flood	Fine	Moderate	7:00	14	B	13	3	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	25/7/2017	Mid-Flood	Fine	Moderate	7:00	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	
SR13	25/7/2017	Mid-Flood	Fine	Moderate	7:00	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 Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	S	1	1	7.86	22.21	22.23	28.17	28.17	89.6	89.7	6.47	6.48	6.48	6.44	1.1	1.0	1.1	0.11	0.11	0.11	0.005	0.005	0.005	0.11	0.80	0.08	0.99	0.98	0.98
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	S	1	2	7.86	22.21	22.23	28.17	28.17	89.7	89.7	6.47	6.48	6.48	6.44	1.1	1.0	1.1	0.11	0.11	0.11	0.005	0.005	0.005	0.11	0.78	0.08	0.97	0.98	0.98
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	S	1	3	7.86	22.21	22.23	28.17	28.17	89.7	89.7	6.47	6.48	6.48	6.44	1.1	1.0	1.1	0.11	0.11	0.11	0.005	0.005	0.005	0.11	0.77	0.09	0.97	0.98	0.98
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	M	14	1	7.87	22.31	22.34	28.16	28.17	88.6	88.6	6.42	6.42	6.41	6.44	1.0	1.0	1.1	0.14	0.14	0.14	0.006	0.006	0.006	0.14	0.78	0.09	1.01	1.01	1.01
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	M	14	2	7.87	22.36	22.34	28.17	28.17	88.2	88.4	6.39	6.41	6.41	6.44	1.2	1.1	1.0	0.14	0.14	0.12	0.006	0.006	0.005	0.14	0.78	0.09	1.01	1.01	0.99
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	M	14	3	7.86	22.27	22.28	28.17	28.17	86.4	86.3	6.29	6.27	6.28	6.44	0.9	1.0	1.0	0.10	0.11	0.11	0.004	0.004	0.004	0.10	0.77	0.09	0.96	0.97	0.97
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	B	27	2	7.86	22.29	22.28	28.17	28.17	86.2	86.3	6.27	6.28	6.28	6.44	1.0	1.0	1.0	0.11	0.11	0.11	0.005	0.004	0.004	0.11	0.78	0.09	0.98	0.97	0.97
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	B	27	3	7.86	22.29	22.28	28.17	28.17	86.2	86.3	6.27	6.28	6.28	6.44	1.0	1.0	1.0	0.11	0.11	0.11	0.005	0.004	0.004	0.11	0.78	0.09	0.98	0.97	0.97
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	S	1	1	7.64	21.87	21.85	27.92	27.93	88.2	88.2	6.38	6.38	6.38	6.37	1.2	1.0	1.1	0.95	0.92	0.94	0.024	0.024	0.024	0.95	0.37	0.04	1.36	1.34	1.34
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	S	1	2	7.65	21.82	21.85	27.94	27.93	88.1	88.2	6.37	6.38	6.38	6.37	1.0	1.0	1.1	0.92	0.92	0.94	0.024	0.024	0.024	0.92	0.37	0.04	1.33	1.34	1.34
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	S	1	3	7.65	21.82	21.85	27.94	27.93	88.1	88.2	6.37	6.38	6.38	6.37	1.0	1.0	1.1	0.92	0.92	0.94	0.024	0.024	0.024	0.92	0.37	0.04	1.33	1.34	1.34
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	M	6.5	1	7.64	21.92	21.94	27.94	27.94	88.0	88.0	6.35	6.35	6.36	6.37	1.3	1.3	1.1	1.03	1.04	1.01	0.026	0.026	0.026	1.03	0.38	0.04	1.45	1.45	1.42
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	M	6.5	2	7.64	21.96	21.94	27.94	27.94	88.2	88.1	6.37	6.36	6.36	6.37	1.2	1.3	1.1	1.04	1.04	1.01	0.027	0.026	0.026	1.04	0.38	0.04	1.46	1.45	1.42
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	M	6.5	3	7.64	21.96	21.94	27.94	27.94	88.2	88.1	6.37	6.36	6.36	6.37	1.2	1.3	1.1	1.04	1.04	1.01	0.027	0.026	0.026	1.04	0.38	0.04	1.46	1.45	1.42
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	B	12	1	7.66	21.86	21.84	27.94	27.95	86.9	86.8	6.24	6.23	6.23	6.23	1.0	1.0	1.0	1.05	1.05	1.05	0.028	0.028	0.028	1.05	0.38	0.04	1.47	1.46	1.46
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	B	12	2	7.67	21.81	21.84	27.95	27.95	86.6	86.8	6.22	6.23	6.23	6.23	0.9	1.0	1.0	1.04	1.05	1.05	0.028	0.028	0.028	1.04	0.38	0.04	1.46	1.46	1.46
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	B	12	3	7.67	21.81	21.84	27.95	27.95	86.6	86.8	6.22	6.23	6.23	6.23	0.9	1.0	1.0	1.04	1.05	1.05	0.028	0.028	0.028	1.04	0.37	0.04	1.45	1.46	1.46
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	S	1	1	7.77	20.46	20.48	28.03	28.03	87.2	87.3	6.31	6.32	6.32	6.29	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	0.10	0.57	0.05	0.72	0.72	0.72
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	S	1	2	7.78	20.49	20.48	28.03	28.03	87.4	87.3	6.32	6.32	6.32	6.29	1.4	1.4	1.4	NA	NA	NA	NA	NA	NA	0.10	0.57	0.06	0.73	0.72	0.72
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	S	1	3	7.78	20.49	20.48	28.03	28.03	87.4	87.3	6.32	6.32	6.32	6.29	1.4	1.4	1.4	NA	NA	NA	NA	NA	NA	0.10	0.56	0.06	0.72	0.72	0.72
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	M	6	1	7.76	20.37	20.36	28.04	28.04	86.4	86.3	6.27	6.26	6.26	6.29	1.4	1.3	1.4	NA	NA	NA	NA	NA	NA	0.10	0.57	0.06	0.73	0.74	0.74
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	M	6	2	7.77	20.34	20.36	28.04	28.04	86.1	86.3	6.25	6.26	6.26	6.29	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	0.10	0.58	0.06	0.74	0.74	0.74
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	M	6	3	7.77	20.34	20.36	28.04	28.04	86.1	86.3	6.25	6.26	6.26	6.29	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	0.10	0.59	0.05	0.74	0.74	0.74
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	B	11	1	7.77	20.30	20.29	28.04	28.05	86.0	85.9	6.22	6.21	6.21	6.21	1.3	1.3	1.3	NA	NA	NA	NA	NA	NA	0.11	0.59	0.05	0.75	0.75	0.75
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	B	11	2	7.78	20.27	20.29	28.05	28.05	85.7	85.9	6.19	6.21	6.21	6.21	1.2	1.3	1.3	NA	NA	NA	NA	NA	NA	0.11	0.57	0.06	0.74	0.75	0.75
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	B	11	3	7.78	20.27	20.29	28.05	28.05	85.7	85.9	6.19	6.21	6.21	6.21	1.2	1.3	1.3	NA	NA	NA	NA	NA	NA	0.11	0.58	0.06	0.75	0.75	0.75
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	S	1	1	7.83	22.37	22.38	28.11	28.11	89.4	89.5	6.39	6.40	6.40	6.34	0.8	0.9	0.9	0.10	0.10	0.10	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	S	1	2	7.82	22.38	22.38	28.11	28.11	89.6	89.5	6.40	6.40	6.40	6.34	0.9	0.9	0.9	0.10	0.10	0.10	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	S	1	3	7.82	22.38	22.38	28.11	28.11	89.6	89.5	6.40	6.40	6.40	6.34	0.9	0.9	0.9	0.10	0.10	0.10	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	M	4.5	1	7.82	22.34	22.34	28.11	28.11	87.4	87.5	6.28	6.29	6.29	6.34	0.9	1.0	1.0	0.11	0.11	0.11	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	M	4.5	2	7.82	22.34	22.34	28.11	28.11	87.6	87.5	6.29	6.29	6.29	6.34	1.0	1.0	1.0	0.11	0.11	0.11	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	M	4.5	3	7.82	22.34	22.34	28.11	28.11	87.6	87.5	6.29	6.29	6.29	6.34	1.0	1.0	1.0	0.11	0.11	0.11	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	B	8	1	7.82	22.31	22.31	28.10	28.10	87.0	87.1	6.25	6.26	6.26	6.34	1.0	1.0	1.0	0.10	0.10	0.10	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	B	8	2	7.82	22.31	22.31	28.10	28.10	87.1	87.1	6.26	6.26																	





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 <sub>5</sub> (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.	Value	Ave.	Depth Ave.								
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	S	1	1	4	4	0.13 0.11	0.12	0.12	0.005 0.005	0.005	0.005	0.13 0.11	0.80 0.78	0.08 0.08	1.01 0.97	0.99	110 120	115	150	NA	NA	NA	1	1	1													
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	S	1	2	3																0.12	0.13	0.12	0.005	0.006	0.005	0.12	0.78	0.09	0.99	160	133	150	NA	NA	NA	<1	<1	1
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	M	14	1	5																0.14	0.13	0.12	0.005	0.006	0.005	0.14	0.78	0.09	1.01	110	133	150	NA	NA	NA	<1	<1	1
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	M	14	2	4	5	0.12 0.11	0.12	0.12	0.005 0.005	0.005	0.005	0.12 0.11	0.78 0.78	0.09 0.09	0.98 0.98	0.99	260 190	222	150	NA	NA	NA	<1	<1	1													
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	B	27	1	4																0.12	0.12	0.12	0.005	0.005	0.005	0.12	0.78	0.09	0.98	260	222	150	NA	NA	NA	<1	<1	1
C1A	25/7/2017	Mid-Ebb	Fine	Moderate	10:18	28	B	27	2	6																0.11	0.12	0.12	0.005	0.005	0.005	0.11	0.78	0.09	0.98	190	222	150	NA	NA	NA	<1	<1	1
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	S	1	1	4	4	0.97 0.92	0.95	0.95	0.025 0.024	0.024	0.024	0.97 0.92	0.37 0.37	0.04 0.04	1.38 1.33	1.35	310 250	278	158	NA	NA	NA	2	2	2													
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	S	1	2	3																0.92	0.95	0.95	0.025	0.024	0.024	0.92	0.37	0.04	1.33	250	278	158	NA	NA	NA	<1	<1	1
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	S	1	3	3																0.92	0.95	0.95	0.025	0.024	0.024	0.92	0.37	0.04	1.33	250	278	158	NA	NA	NA	<1	<1	1
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	M	6.5	1	9	9	1.01 1.04	1.03	1.03	0.026 0.027	0.026	0.026	1.01 1.04	0.38 0.38	0.04 0.04	1.43 1.46	1.44	87 76	81	158	NA	NA	NA	<1	<1	1													
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	M	6.5	2	9																1.04	1.03	1.03	0.026	0.026	0.026	1.04	0.38	0.04	1.46	87	81	158	NA	NA	NA	<1	<1	1
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	M	6.5	3	3																1.01	1.03	1.03	0.026	0.026	0.026	1.01	0.38	0.04	1.43	87	81	158	NA	NA	NA	<1	<1	1
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	B	12	1	8	8	1.05 1.04	1.05	1.05	0.028 0.028	0.028	0.028	1.05 1.04	0.38 0.38	0.04 0.04	1.47 1.46	1.46	160 190	174	158	NA	NA	NA	<1	<1	1													
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	B	12	2	7																1.04	1.05	1.05	0.028	0.028	0.028	1.04	0.38	0.04	1.46	160	174	158	NA	NA	NA	<1	<1	1
C2A	25/7/2017	Mid-Ebb	Fine	Moderate	12:45	13	B	12	3	3																1.04	1.05	1.05	0.028	0.028	0.028	1.04	0.37	0.04	1.45	190	174	158	NA	NA	NA	<1	<1	1
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	S	1	1	3	3	NA	NA	NA	NA	NA	NA	0.10 0.11	0.57 0.57	0.05 0.06	0.72 0.74	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA													
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	S	1	2	3																NA	NA	NA	NA	NA	NA	0.10	0.57	0.06	0.74	0.73	NA	NA	NA	NA	NA	NA	NA	
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	S	1	3	3																NA	NA	NA	NA	NA	NA	0.10	0.56	0.06	0.72	0.73	NA	NA	NA	NA	NA	NA	NA	
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	M	6	1	5	4	NA	NA	NA	NA	NA	NA	0.10 0.11	0.57 0.58	0.06 0.06	0.73 0.75	0.74	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA												
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	M	6	2	3																	NA	NA	NA	NA	NA	NA	0.11	0.58	0.06	0.75	0.74	0.74	NA	NA	NA	NA	NA	NA
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	M	6	3	3																	NA	NA	NA	NA	NA	NA	0.11	0.59	0.05	0.75	0.74	0.74	NA	NA	NA	NA	NA	NA
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	B	11	1	4	4	NA	NA	NA	NA	NA	NA	0.10 0.11	0.57 0.58	0.06 0.06	0.73 0.75	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA													
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	B	11	2	4																NA	NA	NA	NA	NA	NA	0.10	0.57	0.06	0.73	0.74	0.74	NA	NA	NA	NA	NA	NA	
G2	25/7/2017	Mid-Ebb	Fine	Moderate	11:10	12	B	11	3	3																NA	NA	NA	NA	NA	NA	0.11	0.58	0.06	0.75	0.74	0.74	NA	NA	NA	NA	NA	NA	
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	S	1	1	5	4	0.10 0.10	0.10	0.10	0.004 0.004	0.004	0.004	NA NA	NA NA	NA NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	S	1	2	3																0.10	0.10	0.10	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	S	1	3	3																0.10	0.10	0.10	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	M	4.5	1	3	3	0.11 0.11	0.11	0.11	0.004 0.004	0.004	0.004	NA NA	NA NA	NA NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	M	4.5	2	3																0.11	0.11	0.11	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	M	4.5	3	3																0.11	0.11	0.11	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	B	8	1	2	3	0.10 0.11	0.11	0.11	0.004 0.004	0.004	0.004	NA NA	NA NA	NA NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	B	8	2	4																0.10	0.11	0.11	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	25/7/2017	Mid-Ebb	Fine	Moderate	10:55	9	B	8	3	3																0.11	0.11	0.11	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	25/7/2017	Mid-Ebb	Fine	Moderate	11:25	8	S	1	1	6	6	0.11 0.10	0.11	0.11	0.004 0.004	0.004	0.004	NA NA	NA NA	NA NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
SR3	25/7/2017	Mid-Ebb	Fine	Moderate	11:25	8	S	1	2	5																0.10	0.11	0.11	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	25/7/2017	Mid-Ebb	Fine	Moderate	11:25	8	S	1	3	3																0.10	0.11	0.11	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	25/7/2017	Mid-Ebb	Fine	Moderate	11:25	8	M	4	1	4	4	0.13 0.12	0.13	0.12	0.005 0.004	0.005	0.004	NA NA	NA NA	NA NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
SR3	25/7/2017	Mid-Ebb	Fine	Moderate	11:25	8	M	4	2	4																0.13	0.13	0.12	0.005	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	25/7/2017	Mid-Ebb	Fine	Moderate	11:25	8	M	4	3	3																0.12	0.13	0.12	0.005	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	25/7/2017	Mid-Ebb	Fine	Moderate	11:25	8	B	7	1	4	4	0.11 0.13	0.12	0.12	0.004 0.005	0.005	0.005	NA NA	NA NA	NA NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
SR3	25/7/2017	Mid-Ebb	Fine	Moderate	11:25	8	B	7	2	4																0.11	0.12	0.12	0.004	0.005	0.005	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 <sub>5</sub> (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	25/7/2017	Mid-Ebb	Fine	Moderate	11:45	4	S	1	1	3	4	0.15 0.16	0.16	0.14	0.005 0.005	0.004	NA	NA	NA	NA	NA	640 700	669	710	NA	NA	NA	<1	<1	1	1													
SR4	25/7/2017	Mid-Ebb	Fine	Moderate	11:45	4	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		
SR4	25/7/2017	Mid-Ebb	Fine	Moderate	11:45	4	S	1	3								NA	NA	NA	NA					NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	25/7/2017	Mid-Ebb	Fine	Moderate	11:45	4	M			1							NA	NA	NA	NA					NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	25/7/2017	Mid-Ebb	Fine	Moderate	11:45	4	M			2	4	0.13 0.12	0.13	0.14	0.004 0.004	0.004	NA	NA	NA	NA	NA	790 720	754	710	NA	NA	NA	<1	<1	1	1													
SR4	25/7/2017	Mid-Ebb	Fine	Moderate	11:45	4	B	3	1	4							NA	NA	NA	NA					NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	25/7/2017	Mid-Ebb	Fine	Moderate	11:45	4	B	3	2	3							NA	NA	NA	NA					NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR4	25/7/2017	Mid-Ebb	Fine	Moderate	11:45	4	B	3	3								NA	NA	NA	NA					NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	25/7/2017	Mid-Ebb	Fine	Moderate	10:42	11	S	1	1	2	2	NA	NA	NA	NA	NA	0.11	0.69	0.07	0.87	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR5	25/7/2017	Mid-Ebb	Fine	Moderate	10:42	11	S	1	2	2							NA	NA	NA	NA					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	25/7/2017	Mid-Ebb	Fine	Moderate	10:42	11	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		
SR5	25/7/2017	Mid-Ebb	Fine	Moderate	10:42	11	M	5.5	1	2							NA	NA	NA	NA					NA	NA	0.12	0.70	0.08	0.90	0.89	0.88	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	25/7/2017	Mid-Ebb	Fine	Moderate	10:42	11	M	5.5	2	2	2	NA	NA	NA	NA	NA	0.11	0.70	0.08	0.89	0.89	0.88	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											
SR5	25/7/2017	Mid-Ebb	Fine	Moderate	10:42	11	M	5.5	3								NA	NA	NA	NA					NA	NA	0.10	0.71	0.08	0.89	0.89	0.88	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	25/7/2017	Mid-Ebb	Fine	Moderate	10:42	11	B	10	1	2							NA	NA	NA	NA					NA	NA	0.11	0.71	0.08	0.90	0.89	0.88	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	25/7/2017	Mid-Ebb	Fine	Moderate	10:42	11	B	10	2	2							NA	NA	NA	NA					NA	NA	0.12	0.71	0.07	0.90	0.88	0.88	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	25/7/2017	Mid-Ebb	Fine	Moderate	10:42	11	B	10	3		NA	NA	NA	NA	NA	NA	0.11	0.66	0.07	0.84	0.88	0.88	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											
SR12	25/7/2017	Mid-Ebb	Fine	Moderate	12:05	15	S	1	1	5	4	0.15 0.16	0.16	0.16	0.005 0.005	0.005	NA	NA	NA	NA	NA	450 520	484	580	NA	NA	NA	2	2	2	1													
SR12	25/7/2017	Mid-Ebb	Fine	Moderate	12:05	15	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	
SR12	25/7/2017	Mid-Ebb	Fine	Moderate	12:05	15	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
SR12	25/7/2017	Mid-Ebb	Fine	Moderate	12:05	15	M	7.5	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
SR12	25/7/2017	Mid-Ebb	Fine	Moderate	12:05	15	M	7.5	2	4	4	0.16 0.14	0.15	0.16	0.005 0.004	0.005	NA	NA	NA	NA	NA	2300 2800	2538	580	NA	NA	NA	<1	<1	1	1													
SR12	25/7/2017	Mid-Ebb	Fine	Moderate	12:05	15	M	7.5	3								NA	NA	NA	NA					NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	25/7/2017	Mid-Ebb	Fine	Moderate	12:05	15	B	14	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
SR12	25/7/2017	Mid-Ebb	Fine	Moderate	12:05	15	B	14	2	3							NA	NA	NA	NA					NA	NA	0.17	0.18	0.005	0.005		0.005	0.005	0.005	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	25/7/2017	Mid-Ebb	Fine	Moderate	12:05	15	B	14	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	25/7/2017	Mid-Ebb	Fine	Moderate	12:25	14	S	1	1	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											
SR13	25/7/2017	Mid-Ebb	Fine	Moderate	12:25	14	S	1	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	
SR13	25/7/2017	Mid-Ebb	Fine	Moderate	12:25	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
SR13	25/7/2017	Mid-Ebb	Fine	Moderate	12:25	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	25/7/2017	Mid-Ebb	Fine	Moderate	12:25	14	M	7	2	4	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								
SR13	25/7/2017	Mid-Ebb	Fine	Moderate	12:25	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
SR13	25/7/2017	Mid-Ebb	Fine	Moderate	12:25	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	NA	NA	NA	NA
SR13	25/7/2017	Mid-Ebb	Fine	Moderate	12:25	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	25/7/2017	Mid-Ebb	Fine	Moderate	12:25	14	B	13	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	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 <sub>5</sub> (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	27/7/2017	Mid-Flood	Fine	Smooth	10:34	28	S	1	1	7	0.09			0.002			0.09	0.77	0.09	0.95			36			NA			<1				
C1A	27/7/2017	Mid-Flood	Fine	Smooth	10:34	28	S	1	2	5	0.11	0.10		0.002	0.002		0.11	0.77	0.09	0.97	0.96		45	40		NA	NA		<1	1			
C1A	27/7/2017	Mid-Flood	Fine	Smooth	10:34	28	S	1	3							0.11	0.76	0.10	0.97														
C1A	27/7/2017	Mid-Flood	Fine	Smooth	10:34	28	M	14	1	6	0.11			0.003			0.11	0.61	0.08	0.80			44			NA			<1				
C1A	27/7/2017	Mid-Flood	Fine	Smooth	10:34	28	M	14	2	6	0.10	0.11	0.10	0.003	0.003	0.003	0.10	0.62	0.07	0.79	0.79	0.85	48	46	49	NA	NA	NA	<1	1	1		
C1A	27/7/2017	Mid-Flood	Fine	Smooth	10:34	28	M	14	3							0.09	0.62	0.07	0.78														
C1A	27/7/2017	Mid-Flood	Fine	Smooth	10:34	28	B	27	1	8	0.10			0.003			0.10	0.62	0.07	0.79	0.79		61			NA			<1				
C1A	27/7/2017	Mid-Flood	Fine	Smooth	10:34	28	B	27	2	8	0.10	0.10		0.003	0.003		0.10	0.61	0.08	0.79			70	65		NA	NA		<1	1			
C1A	27/7/2017	Mid-Flood	Fine	Smooth	10:34	28	B	27	3							0.10	0.61	0.08	0.79														
C2A	27/7/2017	Mid-Flood	Fine	Smooth	8:25	13	S	1	1	6	0.83			0.025			0.83	0.40	0.05	1.28	1.31		430			NA			2				
C2A	27/7/2017	Mid-Flood	Fine	Smooth	8:25	13	S	1	2	5	0.83	0.83		0.025	0.025		0.83	0.40	0.05	1.28			550	486		NA	NA		1	2			
C2A	27/7/2017	Mid-Flood	Fine	Smooth	8:25	13	S	1	3							0.90	0.41	0.05	1.36														
C2A	27/7/2017	Mid-Flood	Fine	Smooth	8:25	13	M	6.5	1	5	0.84			0.037			0.84	0.40	0.05	1.29	1.19		670			NA			2				
C2A	27/7/2017	Mid-Flood	Fine	Smooth	8:25	13	M	6.5	2	5	0.89	0.77	0.68	0.031	0.034	0.026	0.69	0.40	0.05	1.14	1.12		590	629	353	NA	NA	NA	3	3	3		
C2A	27/7/2017	Mid-Flood	Fine	Smooth	8:25	13	M	6.5	3							0.69	0.40	0.05	1.14														
C2A	27/7/2017	Mid-Flood	Fine	Smooth	8:25	13	B	12	1	6	0.43			0.019			0.43	0.39	0.05	0.87	0.87		160			NA			5				
C2A	27/7/2017	Mid-Flood	Fine	Smooth	8:25	13	B	12	2	8	0.43	0.43		0.019	0.019		0.43	0.40	0.04	0.87			130	144		NA	NA		4	5			
C2A	27/7/2017	Mid-Flood	Fine	Smooth	8:25	13	B	12	3							0.44	0.40	0.04	0.88														
G2	27/7/2017	Mid-Flood	Fine	Smooth	9:44	12	S	1	1	2	NA			NA			0.08	0.68	0.08	0.84	0.85		NA			NA			NA				
G2	27/7/2017	Mid-Flood	Fine	Smooth	9:44	12	S	1	2	3	NA	NA		NA	NA		0.09	0.68	0.08	0.85			NA			NA			NA				
G2	27/7/2017	Mid-Flood	Fine	Smooth	9:44	12	S	1	3							0.10	0.68	0.08	0.86														
G2	27/7/2017	Mid-Flood	Fine	Smooth	9:44	12	M	6	1	4	NA			NA			0.09	0.62	0.08	0.79	0.79		NA			NA			NA				
G2	27/7/2017	Mid-Flood	Fine	Smooth	9:44	12	M	6	2	4	NA	NA	NA	NA	NA		0.10	0.62	0.08	0.80			NA			NA			NA				
G2	27/7/2017	Mid-Flood	Fine	Smooth	9:44	12	M	6	3							0.09	0.62	0.08	0.79														
G2	27/7/2017	Mid-Flood	Fine	Smooth	9:44	12	B	11	1	4	NA			NA			0.09	0.56	0.07	0.72	0.72		NA			NA			NA				
G2	27/7/2017	Mid-Flood	Fine	Smooth	9:44	12	B	11	2	6	NA	NA		NA	NA		0.10	0.55	0.07	0.72			NA			NA			NA				
G2	27/7/2017	Mid-Flood	Fine	Smooth	9:44	12	B	11	3							0.11	0.55	0.07	0.73														
SR2	27/7/2017	Mid-Flood	Fine	Smooth	9:59	9	S	1	1	5	0.10			0.002			NA	NA	NA	NA	NA		NA			NA			NA				
SR2	27/7/2017	Mid-Flood	Fine	Smooth	9:59	9	S	1	2	5	0.09	0.10		0.002	0.002		NA	NA	NA	NA			NA			NA			NA				
SR2	27/7/2017	Mid-Flood	Fine	Smooth	9:59	9	S	1	3							NA	NA	NA	NA														
SR2	27/7/2017	Mid-Flood	Fine	Smooth	9:59	9	M	4.5	1	5	0.09			0.003			NA	NA	NA	NA	NA		NA			NA			NA				
SR2	27/7/2017	Mid-Flood	Fine	Smooth	9:59	9	M	4.5	2	7	0.10	0.10	0.10	0.003	0.003	0.003	NA	NA	NA	NA	NA		NA			NA			NA				
SR2	27/7/2017	Mid-Flood	Fine	Smooth	9:59	9	M	4.5	3							NA	NA	NA	NA														
SR2	27/7/2017	Mid-Flood	Fine	Smooth	9:59	9	B	8	1	9	0.12			0.004			NA	NA	NA	NA	NA		NA			NA			NA				
SR2	27/7/2017	Mid-Flood	Fine	Smooth	9:59	9	B	8	2	7	0.10	0.11		0.003	0.003		NA	NA	NA	NA	NA		NA			NA			NA				
SR2	27/7/2017	Mid-Flood	Fine	Smooth	9:59	9	B	8	3							NA	NA	NA	NA														
SR3	27/7/2017	Mid-Flood	Fine	Smooth	9:31	8	S	1	1	4	0.10			0.002			NA	NA	NA	NA	NA		NA			NA			NA				
SR3	27/7/2017	Mid-Flood	Fine	Smooth	9:31	8	S	1	2	4	0.11	0.11		0.002	0.002		NA	NA	NA	NA	NA		NA			NA			NA				
SR3	27/7/2017	Mid-Flood	Fine	Smooth	9:31	8	S	1	3							NA	NA	NA	NA														
SR3	27/7/2017	Mid-Flood	Fine	Smooth	9:31	8	M	4	1	7	0.10			0.003			NA	NA	NA	NA	NA		NA			NA			NA				
SR3	27/7/2017	Mid-Flood	Fine	Smooth	9:31	8	M	4	2	5	0.11	0.11	0.11	0.003	0.003	0.003	NA	NA	NA	NA	NA		NA			NA			NA				
SR3	27/7/2017	Mid-Flood	Fine	Smooth	9:31	8	M	4	3							NA	NA	NA	NA														
SR3	27/7/2017	Mid-Flood	Fine	Smooth	9:31	8	B	7	1	5	0.11			0.003			NA	NA	NA	NA	NA		NA			NA			NA				
SR3	27/7/2017	Mid-Flood	Fine	Smooth	9:31	8	B	7	2	5	0.10	0.11		0.003	0.003		NA	NA	NA	NA	NA		NA			NA			NA				
SR3	27/7/2017	Mid-Flood	Fine	Smooth	9:31	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 <sub>5</sub> (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	27/7/2017	Mid-Flood	Fine	Smooth	9:12	4	S	1	1	7	7	0.15	0.13	0.14	0.003	0.003	0.004	NA	NA	NA	NA	NA	880	860	901	NA	NA	NA	1	1	1		
SR4	27/7/2017	Mid-Flood	Fine	Smooth	9:12	4	S	1	2	6		0.14	0.14	0.14	0.005	0.005	0.004	NA	NA	NA	NA	NA	840	860	901	NA	NA	NA	<1	1	1		
SR4	27/7/2017	Mid-Flood	Fine	Smooth	9:12	4	S	1	3	6		0.14	0.14	0.14	0.005	0.005	0.004	NA	NA	NA	NA	NA	930	945	901	NA	NA	NA	<1	1	1		
SR4	27/7/2017	Mid-Flood	Fine	Smooth	9:12	4	M	1	1	6	6	0.14	0.14	0.14	0.005	0.005	0.004	NA	NA	NA	NA	NA	960	945	901	NA	NA	NA	<1	1	1		
SR4	27/7/2017	Mid-Flood	Fine	Smooth	9:12	4	M	2	2	6		0.14	0.14	0.14	0.005	0.005	0.004	NA	NA	NA	NA	NA	960	945	901	NA	NA	NA	<1	1	1		
SR4	27/7/2017	Mid-Flood	Fine	Smooth	9:12	4	M	3	3	6		0.14	0.14	0.14	0.005	0.005	0.004	NA	NA	NA	NA	NA	960	945	901	NA	NA	NA	<1	1	1		
SR4	27/7/2017	Mid-Flood	Fine	Smooth	9:12	4	M	3	3	6	6	0.14	0.14	0.14	0.005	0.005	0.004	NA	NA	NA	NA	NA	960	945	901	NA	NA	NA	<1	1	1		
SR4	27/7/2017	Mid-Flood	Fine	Smooth	9:12	4	B	3	2	6		0.14	0.14	0.14	0.005	0.005	0.004	NA	NA	NA	NA	NA	960	945	901	NA	NA	NA	<1	1	1		
SR4	27/7/2017	Mid-Flood	Fine	Smooth	9:12	4	B	3	3	6		0.14	0.14	0.14	0.005	0.005	0.004	NA	NA	NA	NA	NA	960	945	901	NA	NA	NA	<1	1	1		
SR5	27/7/2017	Mid-Flood	Fine	Smooth	10:15	11	S	1	1	4	4	NA	NA	NA	NA	NA	0.81	0.10	0.64	0.07	0.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	27/7/2017	Mid-Flood	Fine	Smooth	10:15	11	S	1	2	4		NA	NA	NA	NA	NA	0.81	0.09	0.63	0.08	0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	27/7/2017	Mid-Flood	Fine	Smooth	10:15	11	S	1	3	4		NA	NA	NA	NA	NA	0.81	0.10	0.63	0.08	0.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	27/7/2017	Mid-Flood	Fine	Smooth	10:15	11	M	5.5	1	6	7	NA	NA	NA	NA	NA	0.76	0.10	0.59	0.07	0.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	27/7/2017	Mid-Flood	Fine	Smooth	10:15	11	M	5.5	2	7		NA	NA	NA	NA	NA	0.76	0.09	0.58	0.08	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	27/7/2017	Mid-Flood	Fine	Smooth	10:15	11	M	5.5	3	7		NA	NA	NA	NA	NA	0.76	0.10	0.59	0.08	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	27/7/2017	Mid-Flood	Fine	Smooth	10:15	11	B	10	1	7	7	NA	NA	NA	NA	NA	0.72	0.10	0.55	0.07	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	27/7/2017	Mid-Flood	Fine	Smooth	10:15	11	B	10	2	6		NA	NA	NA	NA	NA	0.72	0.10	0.55	0.07	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	27/7/2017	Mid-Flood	Fine	Smooth	10:15	11	B	10	3	6		NA	NA	NA	NA	NA	0.72	0.10	0.55	0.07	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	27/7/2017	Mid-Flood	Fine	Smooth	8:56	15	S	1	1	6	5	0.19	0.19	0.19	0.006	0.006	0.006	NA	NA	NA	NA	NA	740	725	502	NA	NA	NA	<1	1	1		
SR12	27/7/2017	Mid-Flood	Fine	Smooth	8:56	15	S	1	2	4		0.19	0.19	0.19	0.006	0.006	0.006	NA	NA	NA	NA	NA	710	725	502	NA	NA	NA	<1	1	1		
SR12	27/7/2017	Mid-Flood	Fine	Smooth	8:56	15	S	1	3	4		0.18	0.18	0.18	0.006	0.006	0.006	NA	NA	NA	NA	NA	420	454	502	NA	NA	NA	<1	1	1		
SR12	27/7/2017	Mid-Flood	Fine	Smooth	8:56	15	M	7.5	1	5	5	0.18	0.18	0.18	0.006	0.006	0.006	NA	NA	NA	NA	NA	490	454	502	NA	NA	NA	<1	1	1		
SR12	27/7/2017	Mid-Flood	Fine	Smooth	8:56	15	M	7.5	2	4		0.20	0.20	0.20	0.007	0.007	0.007	NA	NA	NA	NA	NA	400	385	502	NA	NA	NA	<1	1	1		
SR12	27/7/2017	Mid-Flood	Fine	Smooth	8:56	15	B	14	1	4		0.20	0.20	0.20	0.007	0.007	0.007	NA	NA	NA	NA	NA	370	385	502	NA	NA	NA	<1	1	1		
SR12	27/7/2017	Mid-Flood	Fine	Smooth	8:56	15	B	14	3	4	7	NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2017	Mid-Flood	Fine	Smooth	8:35	14	S	1	1	7		NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	27/7/2017	Mid-Flood	Fine	Smooth	8:35	14	S	1	2	6		NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	27/7/2017	Mid-Flood	Fine	Smooth	8:35	14	S	1	3	6	6	NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2017	Mid-Flood	Fine	Smooth	8:35	14	M	7	1	6		NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	27/7/2017	Mid-Flood	Fine	Smooth	8:35	14	M	7	2	5		NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	27/7/2017	Mid-Flood	Fine	Smooth	8:35	14	M	7	3	6	6	NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	27/7/2017	Mid-Flood	Fine	Smooth	8:35	14	B	13	1	6		NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	27/7/2017	Mid-Flood	Fine	Smooth	8:35	14	B	13	2	5		NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	27/7/2017	Mid-Flood	Fine	Smooth	8:35	14	B	13	3	5	6	NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	27/7/2017	Mid-Flood	Fine	Smooth	8:35	14	B	13	2	5		NA	NA	NA	NA	NA	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	27/7/2017	Mid-Flood	Fine	Smooth	8:35	14	B	13	3	5		NA	NA	NA	NA	NA	0.72	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 Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.						
C1A	27/7/2017	Mid-Ebb	Fine	Smooth	12:00	28	S	1	1	7.77		22.91	22.91	27.72	27.72	61.5	61.5	4.25	4.25			4.5	4.5	4.5	0.10	0.10	0.10	0.003	0.003	0.036	0.10	0.76	0.10	0.96							
C1A	27/7/2017	Mid-Ebb	Fine	Smooth	12:00	28	S	1	2	7.77	7.77	22.91	22.91	27.72	27.72	61.5	61.5	4.25	4.25			4.5	4.5	4.5	0.10	0.10	0.10	0.003	0.003	0.036	0.10	0.76	0.10	0.96	0.96						
C1A	27/7/2017	Mid-Ebb	Fine	Smooth	12:00	28	S	1	3																																
C1A	27/7/2017	Mid-Ebb	Fine	Smooth	12:00	28	M	14	1	7.78		23.50	23.50	27.68	27.68	61.1	61.1	4.20	4.20			4.7	4.7	4.7	0.10	0.10	0.10	0.003	0.003	0.036	0.10	0.61	0.08	0.79							
C1A	27/7/2017	Mid-Ebb	Fine	Smooth	12:00	28	M	14	2	7.78	7.78	23.50	23.50	27.68	27.68	61.2	61.2	4.21	4.21			4.8	4.8	4.8	0.10	0.10	0.10	0.003	0.003	0.036	0.10	0.62	0.07	0.79	0.79	0.85					
C1A	27/7/2017	Mid-Ebb	Fine	Smooth	12:00	28	M	14	3																																
C1A	27/7/2017	Mid-Ebb	Fine	Smooth	12:00	28	B	27	1	24.46		24.46	24.46	27.50	27.50	60.2	60.2	4.15	4.15			4.8	4.8	4.8	0.10	0.10	0.10	0.100	0.100	0.036	0.10	0.61	0.08	0.79							
C1A	27/7/2017	Mid-Ebb	Fine	Smooth	12:00	28	B	27	2	24.46	24.46	24.46	24.46	27.50	27.50	60.3	60.3	4.16	4.16			4.8	4.8	4.8	0.10	0.10	0.10	0.100	0.100	0.036	0.10	0.62	0.07	0.79	0.79						
C1A	27/7/2017	Mid-Ebb	Fine	Smooth	12:00	28	B	27	3																																
C2A	27/7/2017	Mid-Ebb	Fine	Smooth	14:06	13	S	1	1	7.84		25.44	25.44	27.63	27.63	62.1	62.1	4.26	4.26			2.5	2.5	2.5	0.85	0.85	0.85	0.032	0.032	0.027	0.85	0.40	0.05	1.30							
C2A	27/7/2017	Mid-Ebb	Fine	Smooth	14:06	13	S	1	2	7.84	7.84	25.44	25.44	27.63	27.63	62.2	62.2	4.26	4.26			2.6	2.6	2.6	0.85	0.85	0.85	0.032	0.032	0.027	0.85	0.40	0.05	1.30	1.30						
C2A	27/7/2017	Mid-Ebb	Fine	Smooth	14:06	13	S	1	3																																
C2A	27/7/2017	Mid-Ebb	Fine	Smooth	14:06	13	M	6.5	1	7.89		25.70	25.70	27.59	27.59	61.2	61.2	4.18	4.18			2.5	2.5	2.5	0.70	0.70	0.70	0.030	0.030	0.027	0.70	0.40	0.05	1.15							
C2A	27/7/2017	Mid-Ebb	Fine	Smooth	14:06	13	M	6.5	2	7.89	7.89	25.70	25.70	27.59	27.59	61.3	61.3	4.19	4.19			2.6	2.6	2.6	0.70	0.70	0.70	0.030	0.030	0.027	0.70	0.40	0.04	1.14	1.15	1.10					
C2A	27/7/2017	Mid-Ebb	Fine	Smooth	14:06	13	M	6.5	3																																
C2A	27/7/2017	Mid-Ebb	Fine	Smooth	14:06	13	B	12	1	7.91		25.88	25.88	27.57	27.57	61.0	61.0	4.16	4.16			2.8	2.8	2.8	0.40	0.40	0.40	0.018	0.018	0.018	0.40	0.40	0.04	0.84							
C2A	27/7/2017	Mid-Ebb	Fine	Smooth	14:06	13	B	12	2	7.91	7.91	25.88	25.88	27.57	27.57	61.1	61.1	4.17	4.17			2.8	2.8	2.8	0.40	0.40	0.40	0.018	0.018	0.018	0.40	0.39	0.05	0.84	0.84						
C2A	27/7/2017	Mid-Ebb	Fine	Smooth	14:06	13	B	12	3																																
G2	27/7/2017	Mid-Ebb	Fine	Smooth	12:46	12	S	1	1	7.71		24.07	24.07	27.70	27.70	62.6	62.6	4.31	4.31			2.2	2.2	2.2	NA	NA	NA	NA	NA	NA	0.10	0.67	0.08	0.85							
G2	27/7/2017	Mid-Ebb	Fine	Smooth	12:46	12	S	1	2	7.71	7.71	24.07	24.07	27.70	27.70	62.7	62.7	4.32	4.32			2.2	2.2	2.2	NA	NA	NA	NA	NA	NA	0.10	0.67	0.08	0.85	0.85						
G2	27/7/2017	Mid-Ebb	Fine	Smooth	12:46	12	S	1	3																																
G2	27/7/2017	Mid-Ebb	Fine	Smooth	12:46	12	M	6	1	7.75		25.70	25.70	27.49	27.49	61.3	61.3	4.20	4.20			2.4	2.4	2.4	NA	NA	NA	NA	NA	NA	0.10	0.48	0.06	0.64							
G2	27/7/2017	Mid-Ebb	Fine	Smooth	12:46	12	M	6	2	7.75	7.75	25.70	25.70	27.49	27.49	61.4	61.4	4.30	4.30			2.5	2.5	2.5	NA	NA	NA	NA	NA	NA	0.10	0.50	0.05	0.65	0.64	0.70					
G2	27/7/2017	Mid-Ebb	Fine	Smooth	12:46	12	M	6	3																																
G2	27/7/2017	Mid-Ebb	Fine	Smooth	12:46	12	B	11	1	7.78		26.04	26.04	27.48	27.48	61.5	61.5	4.21	4.21			2.0	2.0	2.0	NA	NA	NA	NA	NA	NA	0.10	0.48	0.06	0.64							
G2	27/7/2017	Mid-Ebb	Fine	Smooth	12:46	12	B	11	2	7.78	7.78	26.04	26.04	27.49	27.49	61.6	61.6	4.22	4.22			2.1	2.1	2.1	NA	NA	NA	NA	NA	NA	0.10	0.46	0.05	0.61	0.61						
G2	27/7/2017	Mid-Ebb	Fine	Smooth	12:46	12	B	11	3																																
SR2	27/7/2017	Mid-Ebb	Fine	Smooth	12:31	9	S	1	1	7.67		21.47	21.47	28.04	28.04	68.0	68.0	4.71	4.71			3.3	3.3	3.3	0.10	0.10	0.10	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA					
SR2	27/7/2017	Mid-Ebb	Fine	Smooth	12:31	9	S	1	2	7.67	7.67	21.47	21.47	28.04	28.04	68.0	68.0	4.71	4.71			3.4	3.4	3.4	0.10	0.10	0.10	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	NA				
SR2	27/7/2017	Mid-Ebb	Fine	Smooth	12:31	9	S	1	3																																
SR2	27/7/2017	Mid-Ebb	Fine	Smooth	12:31	9	M	4.5	1	7.77		23.62	23.62	27.67	27.67	67.3	67.3	4.66	4.66			3.5	3.5	3.5	0.10	0.10	0.10	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	NA	NA			
SR2	27/7/2017	Mid-Ebb	Fine	Smooth	12:31	9	M	4.5	2	7.77	7.77	23.62	23.62	27.67	27.67	67.3	67.3	4.66	4.66			3.6	3.6	3.6	0.10	0.10	0.10	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	NA	NA			
SR2	27/7/2017	Mid-Ebb	Fine	Smooth	12:31	9	M	4.5	3																																
SR2	27/7/2017	Mid-Ebb	Fine	Smooth	12:31	9	B	8	1	7.77		24.59	24.59	27.51	27.51	61.2	61.2	4.17	4.17			4.0	4.0	4.0	0.10	0.10	0.10	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	NA	NA			
SR2	27/7/2017	Mid-Ebb	Fine	Smooth	12:31	9	B	8	2	7.77	7.77	24.60	24.60	27.52	27.52	61.3	61.3	4.17	4.17			4.1	4.1	4.1	0.11	0.11	0.11	0.004	0.004	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	27/7/2017	Mid-Ebb	Fine	Smooth	12:31	9	B	8	3																																
SR3	27/7/2017	Mid-Ebb	Fine	Smooth	13:02	8	S	1	1	7.71		23.91	23.91	27.72	27.72	68.8	68.8	4.78	4.78			2.5	2.5	2.5	0.10	0.10	0.10	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	NA	NA			
SR3	27/7/2017	Mid-Ebb	Fine	Smooth	13:02	8	S	1	2	7.71	7.71	23.91	23.91	27.72	27.72																										







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 <sub>5</sub> (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	27/7/2017	Mid-Ebb	Fine	Smooth	13:18	4	S	1	1	7	8	0.16	0.16	0.13	0.005	0.005	0.004	NA	NA	NA	NA	NA	2400	2245	1947	NA	NA	NA	<1	<1	1	1		
SR4	27/7/2017	Mid-Ebb	Fine	Smooth	13:18	4	S	1	2	8		0.16	0.16		0.003	0.003		NA	NA	NA	NA	NA	NA	2100	1688	1500	NA	NA	NA	<1	<1		1	
SR4	27/7/2017	Mid-Ebb	Fine	Smooth	13:18	4	S	1	3	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
SR4	27/7/2017	Mid-Ebb	Fine	Smooth	13:18	4	M	1	1	NA	9	NA	NA	0.13	NA	NA	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	27/7/2017	Mid-Ebb	Fine	Smooth	13:18	4	M	2	2	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	27/7/2017	Mid-Ebb	Fine	Smooth	13:18	4	M	3	3	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	27/7/2017	Mid-Ebb	Fine	Smooth	13:18	4	B	3	1	9	10	0.10	0.10	0.13	0.003	0.003	0.004	NA	NA	NA	NA	NA	1900	1688	1500	NA	NA	NA	<1	<1	1	1		
SR4	27/7/2017	Mid-Ebb	Fine	Smooth	13:18	4	B	3	2	11		0.10	0.10		0.003	0.003		NA	NA	NA	NA	NA	NA	1500	1688	1500	NA	NA	NA	<1	<1		1	
SR4	27/7/2017	Mid-Ebb	Fine	Smooth	13:18	4	B	3	3	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
SR5	27/7/2017	Mid-Ebb	Fine	Smooth	12:16	11	S	1	1	6	7	NA	NA	NA	NA	NA	NA	0.10	0.63	0.07	0.80	0.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	27/7/2017	Mid-Ebb	Fine	Smooth	12:16	11	S	1	2	8		NA	NA		NA	NA		NA	NA	0.10	0.63	0.08	0.81	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	27/7/2017	Mid-Ebb	Fine	Smooth	12:16	11	S	1	3	NA		NA	NA		NA	NA		NA	NA	0.10	0.63	0.08	0.81	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	27/7/2017	Mid-Ebb	Fine	Smooth	12:16	11	M	5.5	1	7	7	NA	NA	NA	NA	NA	NA	0.09	0.59	0.07	0.75	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	27/7/2017	Mid-Ebb	Fine	Smooth	12:16	11	M	5.5	2	7		NA	NA		NA	NA		NA	NA	0.09	0.59	0.07	0.75	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	27/7/2017	Mid-Ebb	Fine	Smooth	12:16	11	M	5.5	3	NA		NA	NA		NA	NA		NA	NA	0.09	0.59	0.07	0.75	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	27/7/2017	Mid-Ebb	Fine	Smooth	12:16	11	B	10	1	7	7	NA	NA	NA	NA	NA	NA	0.10	0.55	0.06	0.71	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	27/7/2017	Mid-Ebb	Fine	Smooth	12:16	11	B	10	2	6		NA	NA		NA	NA		NA	NA	0.10	0.55	0.07	0.72	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	27/7/2017	Mid-Ebb	Fine	Smooth	12:16	11	B	10	3	NA		NA	NA		NA	NA		NA	NA	0.10	0.55	0.06	0.71	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	27/7/2017	Mid-Ebb	Fine	Smooth	13:29	15	S	1	1	5	4	0.16	0.16	0.15	0.004	0.004	0.004	NA	NA	NA	NA	NA	2600	2498	2036	NA	NA	NA	<1	<1	1	1		
SR12	27/7/2017	Mid-Ebb	Fine	Smooth	13:29	15	S	1	2	3		0.16	0.16		0.004	0.004		NA	NA	NA	NA	NA	NA	2400	2498	2036	NA	NA	NA	<1	<1		1	
SR12	27/7/2017	Mid-Ebb	Fine	Smooth	13:29	15	S	1	3	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
SR12	27/7/2017	Mid-Ebb	Fine	Smooth	13:29	15	M	7.5	1	6	7	0.14	0.15	0.15	0.004	0.004	0.004	NA	NA	NA	NA	NA	2100	1889	2036	NA	NA	NA	<1	<1	1	1		
SR12	27/7/2017	Mid-Ebb	Fine	Smooth	13:29	15	M	7.5	2	8		0.15	0.15		0.004	0.004		NA	NA	NA	NA	NA	NA	1700	1889	2036	NA	NA	NA	<1	<1		1	
SR12	27/7/2017	Mid-Ebb	Fine	Smooth	13:29	15	M	7.5	3	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
SR12	27/7/2017	Mid-Ebb	Fine	Smooth	13:29	15	B	14	1	6	7	0.13	0.13	0.15	0.004	0.004	0.004	NA	NA	NA	NA	NA	1600	1789	2036	NA	NA	NA	<1	<1	1	1		
SR12	27/7/2017	Mid-Ebb	Fine	Smooth	13:29	15	B	14	2	8		0.13	0.13		0.004	0.004		NA	NA	NA	NA	NA	NA	2000	1789	2036	NA	NA	NA	<1	<1		1	
SR12	27/7/2017	Mid-Ebb	Fine	Smooth	13:29	15	B	14	3	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
SR13	27/7/2017	Mid-Ebb	Fine	Smooth	13:40	14	S	1	1	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2017	Mid-Ebb	Fine	Smooth	13:40	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	NA
SR13	27/7/2017	Mid-Ebb	Fine	Smooth	13:40	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
SR13	27/7/2017	Mid-Ebb	Fine	Smooth	13:40	14	M	7	1	6	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2017	Mid-Ebb	Fine	Smooth	13:40	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
SR13	27/7/2017	Mid-Ebb	Fine	Smooth	13:40	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
SR13	27/7/2017	Mid-Ebb	Fine	Smooth	13:40	14	B	13	1	8	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	27/7/2017	Mid-Ebb	Fine	Smooth	13:40	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	NA
SR13	27/7/2017	Mid-Ebb	Fine	Smooth	13:40	14	B	13	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 Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.			
SR4	29/7/2017	Mid-Flood	Fine	Smooth	11:15	4	S	1	1	7.64	24.30	24.30	28.31	28.31	66.4	66.5	4.49	4.50	4.50	2.0	2.1	2.4	0.20	0.20	0.20	0.005	0.005	0.004	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	29/7/2017	Mid-Flood	Fine	Smooth	11:15	4	S	1	2	7.64	7.64	24.30	24.30	28.31	28.31	66.4	66.5	4.49	4.50	4.50	2.0	2.1	2.4	0.20	0.20	0.20	0.005	0.005	0.004	NA	NA	NA	NA	NA	NA	NA	NA	
SR4	29/7/2017	Mid-Flood	Fine	Smooth	11:15	4	S	1	3																													
SR4	29/7/2017	Mid-Flood	Fine	Smooth	11:15	4	M		1																													
SR4	29/7/2017	Mid-Flood	Fine	Smooth	11:15	4	M		2																													
SR4	29/7/2017	Mid-Flood	Fine	Smooth	11:15	4	M		3																													
SR4	29/7/2017	Mid-Flood	Fine	Smooth	11:15	4	B	3	1	7.77	25.24	25.24	27.90	27.90	59.7	59.8	4.06	4.07	4.07	2.6	2.7	2.7	0.09	0.10	0.10	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR4	29/7/2017	Mid-Flood	Fine	Smooth	11:15	4	B	3	2	7.77	25.24	25.24	27.90	27.90	59.7	59.8	4.06	4.07	4.07	2.6	2.7	2.7	0.09	0.10	0.10	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR4	29/7/2017	Mid-Flood	Fine	Smooth	11:15	4	B	3	3																													
SR5	29/7/2017	Mid-Flood	Fine	Smooth	12:25	11	S	1	1	7.72	21.89	21.89	28.51	28.51	63.7	63.7	4.36	4.35	4.36	2.4	2.3	2.4	NA	NA	NA	NA	NA	NA	0.08	0.78	0.10	0.96	0.96	0.96	0.96	0.96		
SR5	29/7/2017	Mid-Flood	Fine	Smooth	12:25	11	S	1	2	7.72	21.89	21.89	28.51	28.51	63.7	63.7	4.36	4.35	4.36	2.4	2.3	2.4	NA	NA	NA	NA	NA	NA	0.08	0.77	0.11	0.96	0.96	0.96	0.96	0.96		
SR5	29/7/2017	Mid-Flood	Fine	Smooth	12:25	11	S	1	3																													
SR5	29/7/2017	Mid-Flood	Fine	Smooth	12:25	11	M	5.5	1	7.76	24.52	24.52	27.92	27.92	62.2	62.3	4.26	4.25	4.26	2.6	2.7	2.7	NA	NA	NA	NA	NA	NA	0.10	0.77	0.10	0.97	0.97	0.97	0.97	0.96		
SR5	29/7/2017	Mid-Flood	Fine	Smooth	12:25	11	M	5.5	2	7.76	24.52	24.52	27.92	27.92	62.2	62.3	4.26	4.25	4.26	2.6	2.7	2.7	NA	NA	NA	NA	NA	NA	0.10	0.75	0.11	0.96	0.97	0.97	0.97	0.96		
SR5	29/7/2017	Mid-Flood	Fine	Smooth	12:25	11	M	5.5	3																													
SR5	29/7/2017	Mid-Flood	Fine	Smooth	12:25	11	B	10	1	7.77	25.09	25.09	27.78	27.78	60.4	60.5	4.13	4.14	4.14	3.2	3.1	3.2	NA	NA	NA	NA	NA	NA	0.10	0.76	0.11	0.97	0.97	0.97	0.97	0.94		
SR5	29/7/2017	Mid-Flood	Fine	Smooth	12:25	11	B	10	2	7.77	25.09	25.09	27.78	27.78	60.5	60.5	4.14	4.14	4.14	3.2	3.1	3.2	NA	NA	NA	NA	NA	NA	0.10	0.75	0.09	0.94	0.94	0.94	0.94	0.94		
SR5	29/7/2017	Mid-Flood	Fine	Smooth	12:25	11	B	10	3																													
SR5	29/7/2017	Mid-Flood	Fine	Smooth	12:25	11	B	10	2	7.77	25.09	25.09	27.78	27.78	60.5	60.5	4.14	4.14	4.14	3.2	3.1	3.2	NA	NA	NA	NA	NA	NA	0.10	0.74	0.11	0.95	0.95	0.95	0.95	0.94		
SR5	29/7/2017	Mid-Flood	Fine	Smooth	12:25	11	B	10	3																													
SR12	29/7/2017	Mid-Flood	Cloudy	Moderate	10:45	15	S	1	1	7.68	25.23	25.23	27.93	27.93	61.3	61.4	4.17	4.18	4.18	1.9	2.0	2.0	0.21	0.21	0.21	0.006	0.006	0.006	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	29/7/2017	Mid-Flood	Cloudy	Moderate	10:45	15	S	1	2	7.68	25.23	25.23	27.93	27.93	61.4	61.4	4.18	4.18	4.18	2.0	2.0	2.0	0.21	0.21	0.21	0.006	0.006	0.006	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	29/7/2017	Mid-Flood	Cloudy	Moderate	10:45	15	S	1	3																													
SR12	29/7/2017	Mid-Flood	Cloudy	Moderate	10:45	15	M	7.5	1	7.77	25.91	25.92	27.75	27.75	58.3	58.4	3.97	3.98	3.98	2.7	2.8	2.8	0.12	0.13	0.13	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	29/7/2017	Mid-Flood	Cloudy	Moderate	10:45	15	M	7.5	2	7.77	25.92	25.92	27.75	27.75	58.4	58.4	3.98	3.98	3.98	2.7	2.8	2.8	0.12	0.13	0.13	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	29/7/2017	Mid-Flood	Cloudy	Moderate	10:45	15	M	7.5	3																													
SR12	29/7/2017	Mid-Flood	Cloudy	Moderate	10:45	15	B	14	1	7.77	26.33	26.33	27.70	27.70	56.2	56.3	3.81	3.82	3.82	2.6	2.7	2.7	0.18	0.18	0.18	0.006	0.006	0.006	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	29/7/2017	Mid-Flood	Cloudy	Moderate	10:45	15	B	14	2	7.77	26.33	26.33	27.70	27.70	56.3	56.3	3.82	3.82	3.82	2.6	2.7	2.7	0.18	0.18	0.18	0.006	0.006	0.006	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	29/7/2017	Mid-Flood	Cloudy	Moderate	10:45	15	B	14	3																													
SR13	29/7/2017	Mid-Flood	Cloudy	Moderate	10:27	14	S	1	1	7.69	26.21	26.21	27.83	27.83	59.2	59.3	4.01	4.02	4.02	2.2	2.3	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	29/7/2017	Mid-Flood	Cloudy	Moderate	10:27	14	S	1	2	7.69	26.21	26.21	27.83	27.83	59.3	59.3	4.02	4.02	4.02	2.2	2.3	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	29/7/2017	Mid-Flood	Cloudy	Moderate	10:27	14	S	1	3																													
SR13	29/7/2017	Mid-Flood	Cloudy	Moderate	10:27	14	M	7	1	7.77	26.26	26.26	27.79	27.79	58.3	58.4	3.95	3.96	3.96	2.1	2.2	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	29/7/2017	Mid-Flood	Cloudy	Moderate	10:27	14	M	7	2	7.77	26.26	26.26	27.79	27.79	58.4	58.4	3.96	3.96	3.96	2.1	2.2	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	29/7/2017	Mid-Flood	Cloudy	Moderate	10:27	14	M	7	3																													
SR13	29/7/2017	Mid-Flood	Cloudy	Moderate	10:27	14	B	13	1	7.78	26.68	26.68	27.68	27.68	55.8	55.9	3.78	3.79	3.79	2.3	2.4	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	29/7/2017	Mid-Flood	Cloudy	Moderate	10:27	14	B	13	2	7.78	26.68	26.68	27.68	27.68	55.9	55.9	3.79	3.79	3.79	2.3	2.4	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	29/7/2017	Mid-Flood	Cloudy	Moderate	10:27	14	B	13	3																													

- 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 <sub>5</sub> (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	29/7/2017	Mid-Flood	Fine	Smooth	13:00	28	S	1	1	3	4	0.11	0.10	0.10	0.003	0.003	0.003	0.11	0.10	0.07	0.09	0.97	1.01	2300	1800	2035	902	NA	NA	NA	<1	<1	1	1
C1A	29/7/2017	Mid-Flood	Fine	Smooth	13:00	28	S	1	2	4																		0.09	0.10	0.10	0.003	0.003	0.003	
C1A	29/7/2017	Mid-Flood	Fine	Smooth	13:00	28	M	14	1	5	4	0.10	0.10	0.10	0.003	0.003	0.003	0.10	0.10	0.06	0.06	0.81	0.77	550	470	508	NA	NA	NA	<1	<1	1	1	
C1A	29/7/2017	Mid-Flood	Fine	Smooth	13:00	28	M	14	2	3																	0.10	0.11	0.11	0.003	0.004	0.003		0.11
C2A	29/7/2017	Mid-Flood	Cloudy	Moderate	9:58	13	S	1	1	4	3	0.22	0.22	0.23	0.008	0.008	0.009	0.22	0.22	0.40	0.04	0.66	0.68	750	820	784	NA	NA	NA	<1	<1	1	1	
C2A	29/7/2017	Mid-Flood	Cloudy	Moderate	9:58	13	S	1	2	2																	0.32	0.27	0.23	0.012	0.011	0.009		0.32
C2A	29/7/2017	Mid-Flood	Cloudy	Moderate	9:58	13	M	6.5	1	4	4	0.22	0.27	0.23	0.009	0.011	0.009	0.22	0.22	0.39	0.05	0.66	0.70	560	480	518	NA	NA	NA	<1	<1	1	1	
C2A	29/7/2017	Mid-Flood	Cloudy	Moderate	9:58	13	M	6.5	2	4																	0.20	0.21	0.23	0.008	0.008	0.008		0.20
C2A	29/7/2017	Mid-Flood	Cloudy	Moderate	9:58	13	B	12	2	4	4	0.22	0.21	0.23	0.008	0.008	0.008	0.22	0.22	0.39	0.05	0.66	0.66	550	570	560	NA	NA	NA	<1	<1	1	1	
C2A	29/7/2017	Mid-Flood	Cloudy	Moderate	9:58	13	B	12	3	3																	NA	NA	NA	NA	NA	NA		0.14
G2	29/7/2017	Mid-Flood	Fine	Smooth	11:50	12	S	1	1	2	3	NA	NA	NA	NA	NA	NA	0.14	0.14	0.66	0.07	0.87	0.87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	29/7/2017	Mid-Flood	Fine	Smooth	11:50	12	S	1	2	3																	NA	NA	NA	NA	NA	NA		0.13
G2	29/7/2017	Mid-Flood	Fine	Smooth	11:50	12	M	6	1	3	4	NA	NA	NA	NA	NA	NA	0.11	0.11	0.61	0.07	0.79	0.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	29/7/2017	Mid-Flood	Fine	Smooth	11:50	12	M	6	2	4																	NA	NA	NA	NA	NA	NA		0.11
G2	29/7/2017	Mid-Flood	Fine	Smooth	11:50	12	M	6	3	3	4	NA	NA	NA	NA	NA	NA	0.10	0.09	0.62	0.07	0.79	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	29/7/2017	Mid-Flood	Fine	Smooth	11:50	12	B	11	1	3																	NA	NA	NA	NA	NA	NA		0.09
G2	29/7/2017	Mid-Flood	Fine	Smooth	11:50	12	B	11	2	4	4	NA	NA	NA	NA	NA	NA	0.08	0.09	0.58	0.08	0.74	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	29/7/2017	Mid-Flood	Fine	Smooth	11:50	12	B	11	3	3																	NA	NA	NA	NA	NA	NA		0.09
SR2	29/7/2017	Mid-Flood	Fine	Smooth	12:00	9	S	1	1	5	5	0.08	0.08	0.08	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	29/7/2017	Mid-Flood	Fine	Smooth	12:00	9	S	1	2	5																	0.07	0.07	0.07	0.002	0.002	0.002		NA
SR2	29/7/2017	Mid-Flood	Fine	Smooth	12:00	9	M	4.5	1	4	5	0.07	0.07	0.07	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	29/7/2017	Mid-Flood	Fine	Smooth	12:00	9	M	4.5	2	5																	0.09	0.09	0.09	0.003	0.003	0.003		NA
SR2	29/7/2017	Mid-Flood	Fine	Smooth	12:00	9	B	8	1	4	4	0.09	0.09	0.09	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	29/7/2017	Mid-Flood	Fine	Smooth	12:00	9	B	8	2	4																	0.09	0.09	0.09	0.003	0.003	0.003		NA
SR2	29/7/2017	Mid-Flood	Fine	Smooth	12:00	9	B	8	3	3	5	0.12	0.13	0.13	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	29/7/2017	Mid-Flood	Fine	Smooth	12:00	9	B	8	2	4																	0.13	0.13	0.13	0.004	0.004	0.004		NA
SR3	29/7/2017	Mid-Flood	Fine	Smooth	11:35	8	S	1	1	4	5	0.05	0.07	0.06	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	29/7/2017	Mid-Flood	Fine	Smooth	11:35	8	S	1	2	5																	0.07	0.08	0.08	0.002	0.002	0.002		NA
SR3	29/7/2017	Mid-Flood	Fine	Smooth	11:35	8	M	4	1	5	4	0.07	0.08	0.08	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	29/7/2017	Mid-Flood	Fine	Smooth	11:35	8	M	4	2	4																	0.08	0.08	0.08	0.003	0.003	0.003		NA
SR3	29/7/2017	Mid-Flood	Fine	Smooth	11:35	8	B	7	1	4	4	0.07	0.08	0.08	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	29/7/2017	Mid-Flood	Fine	Smooth	11:35	8	B	7	2	4																	0.08	0.08	0.08	0.003	0.003	0.003		NA
SR3	29/7/2017	Mid-Flood	Fine	Smooth	11:35	8	B	7	3	3	4	0.07	0.08	0.08	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	29/7/2017	Mid-Flood	Fine	Smooth	11:35	8	B	7	3	3																	0.08	0.08	0.08	0.003	0.003	0.003		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 <sub>5</sub> (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	29/7/2017	Mid-Ebb	Windy	Smooth	13:30	28	S	1	1	2																							
C1A	29/7/2017	Mid-Ebb	Windy	Smooth	13:30	28	S	1	2	4	0.13	0.13		0.005	0.005		0.13	0.78	0.09	1.00	0.94		920	940	585	NA	NA	NA	<1	<1	1		
C1A	29/7/2017	Mid-Ebb	Windy	Smooth	13:30	28	S	1	3								0.12	0.64	0.07	0.83													
C1A	29/7/2017	Mid-Ebb	Windy	Smooth	13:30	28	M	14	1	4	0.10			0.003			0.10	0.65	0.08	0.83													
C1A	29/7/2017	Mid-Ebb	Windy	Smooth	13:30	28	M	14	2	3	0.14	0.12	0.12	0.005	0.004	0.004	0.14	0.65	0.09	0.88	0.84	0.85		500	515	585	NA	NA	NA	<1	<1	1	1
C1A	29/7/2017	Mid-Ebb	Windy	Smooth	13:30	28	M	14	3								0.07	0.67	0.08	0.82													
C1A	29/7/2017	Mid-Ebb	Windy	Smooth	13:30	28	B	27	1	7	0.09			0.003			0.09	0.59	0.07	0.75													
C1A	29/7/2017	Mid-Ebb	Windy	Smooth	13:30	28	B	27	2	5	0.10	0.10		0.003	0.003		0.10	0.59	0.07	0.76	0.76		440	414		NA	NA		<1	<1	1		
C1A	29/7/2017	Mid-Ebb	Windy	Smooth	13:30	28	B	27	3								0.10	0.59	0.07	0.76													
C2A	29/7/2017	Mid-Ebb	Fine	Moderate	15:48	13	S	1	1	3	0.42			0.016			0.42	0.41	0.05	0.88													
C2A	29/7/2017	Mid-Ebb	Fine	Moderate	15:48	13	S	1	2	4	0.36	0.39		0.013	0.014		0.36	0.41	0.05	0.82	0.87		760	789		NA	NA		<1	<1	1		
C2A	29/7/2017	Mid-Ebb	Fine	Moderate	15:48	13	S	1	3								0.44	0.42	0.04	0.90													
C2A	29/7/2017	Mid-Ebb	Fine	Moderate	15:48	13	M	6.5	1	5	0.31			0.012			0.31	0.40	0.04	0.75													
C2A	29/7/2017	Mid-Ebb	Fine	Moderate	15:48	13	M	6.5	2	3	0.33	0.32	0.31	0.012	0.012	0.012	0.33	0.39	0.05	0.77	0.75	0.76	640	582	528	NA	NA	NA	<1	<1	1	1	
C2A	29/7/2017	Mid-Ebb	Fine	Moderate	15:48	13	M	6.5	3								0.29	0.40	0.04	0.73													
C2A	29/7/2017	Mid-Ebb	Fine	Moderate	15:48	13	B	12	1	5	0.22			0.008			0.22	0.41	0.04	0.67													
C2A	29/7/2017	Mid-Ebb	Fine	Moderate	15:48	13	B	12	2	3	0.22	0.22		0.008	0.008		0.22	0.41	0.04	0.67	0.67		340	319		NA	NA		<1	<1	1		
C2A	29/7/2017	Mid-Ebb	Fine	Moderate	15:48	13	B	12	3								0.22	0.40	0.05	0.67													
G2	29/7/2017	Mid-Ebb	Fine	Smooth	14:35	12	S	1	1	3	NA			NA			0.11	0.62	0.08	0.81													
G2	29/7/2017	Mid-Ebb	Fine	Smooth	14:35	12	S	1	2	3	NA	NA		NA	NA		0.18	0.66	0.08	0.92	0.87		NA	NA		NA	NA		NA	NA			
G2	29/7/2017	Mid-Ebb	Fine	Smooth	14:35	12	S	1	3								0.15	0.66	0.08	0.89													
G2	29/7/2017	Mid-Ebb	Fine	Smooth	14:35	12	M	6	1	4	NA			NA			0.12	0.61	0.08	0.81													
G2	29/7/2017	Mid-Ebb	Fine	Smooth	14:35	12	M	6	2	5	NA	NA	NA	NA	NA		0.12	0.63	0.08	0.83	0.82		NA	NA	NA	NA	NA		NA	NA	NA		
G2	29/7/2017	Mid-Ebb	Fine	Smooth	14:35	12	M	6	3								0.12	0.62	0.07	0.81													
G2	29/7/2017	Mid-Ebb	Fine	Smooth	14:35	12	B	11	1	4	NA			NA			0.09	0.59	0.07	0.75													
G2	29/7/2017	Mid-Ebb	Fine	Smooth	14:35	12	B	11	2	4	NA	NA		NA	NA		0.10	0.60	0.06	0.76	0.75		NA	NA		NA	NA		NA	NA			
G2	29/7/2017	Mid-Ebb	Fine	Smooth	14:35	12	B	11	3								0.09	0.60	0.06	0.75													
SR2	29/7/2017	Mid-Ebb	Windy	Smooth	14:25	9	S	1	1	2	0.08			0.003			NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR2	29/7/2017	Mid-Ebb	Windy	Smooth	14:25	9	S	1	2	2	0.08	0.08		0.003	0.003		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR2	29/7/2017	Mid-Ebb	Windy	Smooth	14:25	9	S	1	3								NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR2	29/7/2017	Mid-Ebb	Windy	Smooth	14:25	9	M	4.5	1	4	0.07			0.002			NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR2	29/7/2017	Mid-Ebb	Windy	Smooth	14:25	9	M	4.5	2	3	0.06	0.07	0.07	0.002	0.002	0.002	NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR2	29/7/2017	Mid-Ebb	Windy	Smooth	14:25	9	B	8	1	6	0.06			0.002			NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR2	29/7/2017	Mid-Ebb	Windy	Smooth	14:25	9	B	8	2	4	0.08	0.07		0.003	0.002		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR2	29/7/2017	Mid-Ebb	Windy	Smooth	14:25	9	B	8	3								NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR3	29/7/2017	Mid-Ebb	Windy	Smooth	14:48	8	S	1	1	3	0.17			0.006			NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR3	29/7/2017	Mid-Ebb	Windy	Smooth	14:48	8	S	1	2	3	0.11	0.14		0.004	0.005		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR3	29/7/2017	Mid-Ebb	Windy	Smooth	14:48	8	S	1	3								NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR3	29/7/2017	Mid-Ebb	Windy	Smooth	14:48	8	M	4	1	3	0.07			0.002			NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR3	29/7/2017	Mid-Ebb	Windy	Smooth	14:48	8	M	4	2	4	0.09	0.08	0.10	0.003	0.003	0.003	NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR3	29/7/2017	Mid-Ebb	Windy	Smooth	14:48	8	M	4	3								NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR3	29/7/2017	Mid-Ebb	Windy	Smooth	14:48	8	B	7	1	3	0.07			0.002			NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR3	29/7/2017	Mid-Ebb	Windy	Smooth	14:48	8	B	7	2	5	0.09	0.08		0.003	0.003		NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA			
SR3	29/7/2017	Mid-Ebb	Windy	Smooth	14:48	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 <sub>5</sub> (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	29/7/2017	Mid-Ebb	Fine	Smooth	14:58	4	S	1	1	3	4		0.18	0.18	0.14	0.006	0.006	0.005	NA	NA	NA	NA	NA	NA	2600	2746	2128	NA	NA	NA	<1	1	1											
SR4	29/7/2017	Mid-Ebb	Fine	Smooth	14:58	4	S	1	2	4			0.17			0.006		0.005	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA			
SR4	29/7/2017	Mid-Ebb	Fine	Smooth	14:58	4	S	1	3									NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA			
SR4	29/7/2017	Mid-Ebb	Fine	Smooth	14:58	4	M	1	1									NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA			
SR4	29/7/2017	Mid-Ebb	Fine	Smooth	14:58	4	M	2	2				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR4	29/7/2017	Mid-Ebb	Fine	Smooth	14:58	4	M	3	3				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR4	29/7/2017	Mid-Ebb	Fine	Smooth	14:58	4	B	3	1	4	4		0.10	0.10	0.14	0.003	0.003	0.005	NA	NA	NA	NA	NA	NA	1700	1649	2128	NA	NA	NA	<1	1	1											
SR4	29/7/2017	Mid-Ebb	Fine	Smooth	14:58	4	B	3	2	4			0.10			0.003		0.005	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA				
SR4	29/7/2017	Mid-Ebb	Fine	Smooth	14:58	4	B	3	3									NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	29/7/2017	Mid-Ebb	Fine	Smooth	14:58	4	B	3	3									NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	29/7/2017	Mid-Ebb	Windy	Smooth	13:55	11	S	1	1	2	3		NA	NA	NA	0.08	0.78	0.10	0.96	0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
SR5	29/7/2017	Mid-Ebb	Windy	Smooth	13:55	11	S	1	2	4			NA			NA	NA	0.07	0.77	0.11	0.95	0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR5	29/7/2017	Mid-Ebb	Windy	Smooth	13:55	11	S	1	3								NA	NA	NA	0.09	0.78	0.10	0.97	0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
SR5	29/7/2017	Mid-Ebb	Windy	Smooth	13:55	11	M	5.5	1	2			NA			NA	NA	0.10	0.78	0.09	0.97	0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
SR5	29/7/2017	Mid-Ebb	Windy	Smooth	13:55	11	M	5.5	2	2	2	3	NA	NA	NA	0.09	0.76	0.09	0.94	0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									
SR5	29/7/2017	Mid-Ebb	Windy	Smooth	13:55	11	M	5.5	3								NA	NA	NA	0.11	0.77	0.10	0.98	0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
SR5	29/7/2017	Mid-Ebb	Windy	Smooth	13:55	11	B	10	1	4			NA			NA	NA	0.07	0.79	0.08	0.94	0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
SR5	29/7/2017	Mid-Ebb	Windy	Smooth	13:55	11	B	10	2	3			NA			NA	NA	0.09	0.75	0.09	0.93	0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
SR5	29/7/2017	Mid-Ebb	Windy	Smooth	13:55	11	B	10	3				NA	NA	NA	0.09	0.76	0.08	0.93	0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
SR12	29/7/2017	Mid-Ebb	Fine	Moderate	15:13	15	S	1	1	2	3		0.16	0.25	0.19	0.005	0.008	0.006	NA	NA	NA	NA	NA	NA	1600	1697	1340	NA	NA	NA	<1	1	1											
SR12	29/7/2017	Mid-Ebb	Fine	Moderate	15:13	15	S	1	2	3			0.33			0.005		0.004	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR12	29/7/2017	Mid-Ebb	Fine	Moderate	15:13	15	S	1	3									NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	29/7/2017	Mid-Ebb	Fine	Moderate	15:13	15	M	7.5	1	4			0.12			0.004		0.004	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	29/7/2017	Mid-Ebb	Fine	Moderate	15:13	15	M	7.5	2	5	4		0.15	0.14	0.19	0.005	0.004	0.006	NA	NA	NA	NA	NA	NA	950	920	1340	NA	NA	NA	<1	1	1											
SR12	29/7/2017	Mid-Ebb	Fine	Moderate	15:13	15	M	7.5	3									NA	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR12	29/7/2017	Mid-Ebb	Fine	Moderate	15:13	15	B	14	1	4			0.19			0.006		0.006	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	29/7/2017	Mid-Ebb	Fine	Moderate	15:13	15	B	14	2	5			0.18			0.006		0.006	NA	NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	29/7/2017	Mid-Ebb	Fine	Moderate	15:13	15	B	14	3				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
SR13	29/7/2017	Mid-Ebb	Fine	Moderate	15:30	14	S	1	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	NA									
SR13	29/7/2017	Mid-Ebb	Fine	Moderate	15:30	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	29/7/2017	Mid-Ebb	Fine	Moderate	15:30	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	
SR13	29/7/2017	Mid-Ebb	Fine	Moderate	15:30	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	NA	NA	
SR13	29/7/2017	Mid-Ebb	Fine	Moderate	15:30	14	M	7	2	5	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								
SR13	29/7/2017	Mid-Ebb	Fine	Moderate	15:30	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	29/7/2017	Mid-Ebb	Fine	Moderate	15:30	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
SR13	29/7/2017	Mid-Ebb	Fine	Moderate	15:30	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	NA	NA	NA
SR13	29/7/2017	Mid-Ebb	Fine	Moderate	15:30	14	B	13	2	5	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	29/7/2017	Mid-Ebb	Fine	Moderate	15:30	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	NA
SR13	29/7/2017	Mid-Ebb	Fine	Moderate	15:30	14	B	13	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 Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	S	1	1	7.85	7.85	15.50	15.50	29.72	29.72	92.7	92.7	6.47	6.47	6.47	6.47	6.47	2.3	2.3	2.3	0.01	0.01	0.01	0.000	0.000	0.000	0.01	0.98	0.10	1.09	
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	S	1	2	7.85	7.85	15.50	15.50	29.72	29.72	92.7	92.7	6.47	6.47	6.47	6.47	6.47	2.3	2.3	2.3	0.01	0.01	0.01	0.000	0.000	0.000	0.01	0.99	0.10	1.10	1.09
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	S	1	3	7.85	7.85	15.50	15.50	29.72	29.72	92.7	92.7	6.47	6.47	6.47	6.47	6.47	2.3	2.3	2.3	0.01	0.01	0.01	0.000	0.000	0.000	0.01	0.96	0.10	1.07	
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	M	14	1	7.84	7.84	16.08	16.08	29.65	29.65	91.0	91.0	6.33	6.33	6.33	6.33	6.33	2.4	2.4	2.4	0.01	0.01	0.01	0.000	0.000	0.000	0.01	0.99	0.10	1.10	
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	M	14	2	7.84	7.84	16.08	16.08	29.65	29.65	91.0	91.0	6.33	6.33	6.33	6.33	6.33	2.4	2.4	2.4	0.01	0.01	0.01	0.000	0.000	0.000	0.01	0.99	0.10	1.10	1.09
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	M	14	3	7.84	7.84	16.08	16.08	29.65	29.65	91.0	91.0	6.33	6.33	6.33	6.33	6.33	2.4	2.4	2.4	0.01	0.01	0.01	0.000	0.000	0.000	0.01	0.98	0.10	1.09	
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	B	27	1	7.84	7.84	16.33	16.33	29.60	29.60	89.5	89.5	6.23	6.23	6.23	6.23	6.23	3.0	3.0	3.0	0.01	0.01	0.01	0.000	0.000	0.000	0.01	0.96	0.10	1.07	
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	B	27	2	7.84	7.84	16.33	16.33	29.60	29.60	89.5	89.5	6.23	6.23	6.23	6.23	6.23	3.0	3.0	3.0	0.01	0.01	0.01	0.000	0.000	0.000	0.01	0.96	0.10	1.07	1.07
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	B	27	3	7.84	7.84	16.33	16.33	29.60	29.60	89.5	89.5	6.23	6.23	6.23	6.23	6.23	3.0	3.0	3.0	0.01	0.01	0.01	0.000	0.000	0.000	0.01	0.96	0.10	1.07	
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	S	1	1	7.85	7.85	24.50	24.50	28.48	28.48	75.7	75.7	5.13	5.13	5.13	5.13	5.13	0.2	0.2	0.2	0.10	0.10	0.10	0.004	0.004	0.004	0.10	0.55	0.05	0.70	
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	S	1	2	7.85	7.85	24.50	24.50	28.48	28.48	75.7	75.7	5.13	5.13	5.13	5.13	5.13	0.2	0.2	0.2	0.10	0.10	0.10	0.004	0.004	0.004	0.10	0.56	0.06	0.72	0.71
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	S	1	3	7.85	7.85	24.50	24.50	28.48	28.48	75.7	75.7	5.13	5.13	5.13	5.13	5.13	0.2	0.2	0.2	0.10	0.10	0.10	0.004	0.004	0.004	0.10	0.55	0.05	0.70	
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	M	6.5	1	7.85	7.85	24.92	24.92	28.43	28.43	70.4	70.4	4.73	4.73	4.73	4.73	4.73	0.4	0.4	0.4	0.10	0.10	0.10	0.004	0.004	0.004	0.10	0.56	0.05	0.71	
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	M	6.5	2	7.85	7.85	24.92	24.92	28.43	28.43	70.4	70.4	4.73	4.73	4.73	4.73	4.73	0.4	0.4	0.4	0.10	0.10	0.10	0.004	0.004	0.004	0.10	0.55	0.05	0.70	0.70
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	M	6.5	3	7.85	7.85	24.92	24.92	28.43	28.43	70.4	70.4	4.73	4.73	4.73	4.73	4.73	0.4	0.4	0.4	0.10	0.10	0.10	0.004	0.004	0.004	0.10	0.55	0.05	0.70	
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	B	12	1	7.84	7.84	28.00	28.00	27.68	27.68	52.1	52.1	3.51	3.51	3.51	3.51	3.51	1.0	1.0	1.0	0.10	0.10	0.10	0.004	0.004	0.004	0.10	0.55	0.05	0.70	
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	B	12	2	7.84	7.84	28.00	28.00	27.68	27.68	52.1	52.1	3.51	3.51	3.51	3.51	3.51	1.0	1.0	1.0	0.10	0.10	0.10	0.004	0.004	0.004	0.10	0.55	0.05	0.70	0.71
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	B	12	3	7.84	7.84	28.00	28.00	27.68	27.68	52.1	52.1	3.51	3.51	3.51	3.51	3.51	1.0	1.0	1.0	0.10	0.10	0.10	0.004	0.004	0.004	0.10	0.57	0.05	0.72	
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	S	1	1	7.80	7.80	19.26	19.26	29.20	29.20	83.5	83.5	5.76	5.76	5.76	5.76	5.76	1.7	1.7	1.7	NA	NA	NA	NA	NA	NA	0.01	0.76	0.08	0.85	
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	S	1	2	7.80	7.80	19.26	19.26	29.20	29.20	83.5	83.5	5.76	5.76	5.76	5.76	5.76	1.7	1.7	1.7	NA	NA	NA	NA	NA	NA	0.01	0.76	0.08	0.85	0.85
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	S	1	3	7.80	7.80	19.26	19.26	29.20	29.20	83.5	83.5	5.76	5.76	5.76	5.76	5.76	1.7	1.7	1.7	NA	NA	NA	NA	NA	NA	0.01	0.75	0.08	0.84	
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	M	6	1	7.78	7.78	20.29	20.29	29.03	29.03	79.4	79.4	5.48	5.48	5.48	5.48	5.48	1.7	1.7	1.7	NA	NA	NA	NA	NA	NA	0.01	0.76	0.08	0.85	
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	M	6	2	7.78	7.78	20.29	20.29	29.03	29.03	79.4	79.4	5.48	5.48	5.48	5.48	5.48	1.7	1.7	1.7	NA	NA	NA	NA	NA	NA	0.01	0.76	0.08	0.85	0.85
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	M	6	3	7.78	7.78	20.29	20.29	29.03	29.03	79.4	79.4	5.48	5.48	5.48	5.48	5.48	1.7	1.7	1.7	NA	NA	NA	NA	NA	NA	0.01	0.77	0.07	0.85	
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	B	11	1	7.77	7.77	21.69	21.69	28.68	28.68	72.9	72.9	5.00	5.00	5.00	5.00	5.00	2.8	2.8	2.8	NA	NA	NA	NA	NA	NA	0.01	0.76	0.08	0.85	
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	B	11	2	7.77	7.77	21.69	21.69	28.68	28.68	72.9	72.9	5.00	5.00	5.00	5.00	5.00	2.8	2.8	2.8	NA	NA	NA	NA	NA	NA	0.01	0.75	0.07	0.83	0.84
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	B	11	3	7.77	7.77	21.69	21.69	28.68	28.68	72.9	72.9	5.00	5.00	5.00	5.00	5.00	2.8	2.8	2.8	NA	NA	NA	NA	NA	NA	0.01	0.76	0.08	0.85	
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	S	1	1	7.79	7.79	21.09	21.09	28.96	28.96	79.4	79.4	5.44	5.44	5.44	5.44	5.44	1.1	1.1	1.1	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	S	1	2	7.79	7.79	21.09	21.09	28.96	28.96	79.4	79.4	5.44	5.44	5.44	5.44	5.44	1.1	1.1	1.1	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	S	1	3	7.79	7.79	21.09	21.09	28.96	28.96	79.4	79.4	5.44	5.44	5.44	5.44	5.44	1.1	1.1	1.1	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	M	4.5	1	7.78	7.78	21.26	21.26	28.91	28.91	77.9	77.9	5.34	5.34	5.34	5.34	5.34	1.4	1.4	1.4	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	M	4.5	2	7.78	7.78	21.26	21.26	28.91	28.91	77.9	77.9	5.34	5.34	5.34	5.34	5.34	1.4	1.4	1.4	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	M	4.5	3	7.78	7.78	21.26	21.26	28.91	28.91	77.9	77.9	5.34	5.34	5.34	5.34	5.34	1.4	1.4	1.4	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	B	8	1	7.78	7.78	21.54	21.54	28.84	28.84	76.3	76.3	5.22	5.22	5.22	5.22	5.22	2.0	2.0	2.0	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	B	8	2	7.78	7.78	21.54	21.54	28.84	28.84	76.3	76.3	5.22	5.22	5.22	5.22	5.22	2.0	2.0	2.0	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	B	8	3	7.78	7.78	21.54	21.54	28.84	28.84	76.3	76.3	5.22	5.22	5.22	5.22	5.22	2.0	2.0	2.0	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	
SR3	1/8/2017	Mid-Flood	Cloudy	Moderate	12:51	8	S	1	1	7.80	7.80	19.41	19.41	29.18	29.18	82.8	82.8	5.70	5.70	5.70	5.70	5.70	1.5	1.5	1.5	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	
SR3	1/8/2017	Mid-Flood	Cloudy	Moderate	12:51	8	S	1	2	7.80	7.80	19.41	19																							



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 <sub>5</sub> (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	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	S	1	4	4	<0.01	<0.01	0.000	0.000	0.000	<0.01	0.98	0.10	1.08	1.08	8	5	6	<0.5	<0.5	0.50	1	1	1				
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	S	1	2	4	<0.01	<0.01	0.000	0.000	0.000	<0.01	0.99	0.10	1.09	1.06	5	6		<0.5	<0.5	0.50	1	1	1				
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	S	1	3		<0.01	<0.01	0.000	0.000	0.000	<0.01	0.96	0.10	1.06	1.09	6	5	5	<0.5	<0.5	0.50	1	1	1				
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	M	14	1	4	<0.01	<0.01	0.000	0.000	0.000	<0.01	0.99	0.10	1.09	1.06	6	5	5	<0.5	<0.5	0.50	1	1	1				
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	M	14	2	4	<0.01	<0.01	0.000	0.000	0.000	<0.01	0.99	0.10	1.09	1.06	5	5	5	<0.5	<0.5	0.50	1	1	1				
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	M	14	3		<0.01	<0.01	0.000	0.000	0.000	<0.01	0.98	0.10	1.08	1.06	5	5	5	<0.5	<0.5	0.50	1	1	1				
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	B	27	1	4	<0.01	<0.01	0.000	0.000	0.000	<0.01	0.96	0.10	1.06	1.06	5	5	5	<0.5	<0.5	0.50	1	1	1				
C1A	1/8/2017	Mid-Flood	Cloudy	Moderate	11:40	28	B	27	2	6	<0.01	<0.01	0.000	0.000	0.000	<0.01	0.96	0.10	1.06	1.06	5	5	5	<0.5	<0.5	0.50	1	1	1				
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	S	1	1	4	0.11	0.10	0.005	0.004	0.004	0.11	0.55	0.05	0.71	0.71	130	140	150	<0.5	<0.5	0.50	<1	1	1				
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	S	1	2	4	0.10	0.10	0.004	0.004	0.004	0.10	0.56	0.06	0.72	0.70	120	140	150	<0.5	<0.5	0.50	<1	1	1				
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	S	1	3		0.10	0.10	0.004	0.004	0.004	0.10	0.55	0.05	0.70	0.70	120	140	150	<0.5	<0.5	0.50	<1	1	1				
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	M	6.5	1	6	0.10	0.10	0.004	0.004	0.004	0.10	0.56	0.05	0.71	0.70	120	140	150	<0.5	<0.5	0.50	<1	1	1				
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	M	6.5	2	6	0.10	0.10	0.004	0.004	0.004	0.10	0.55	0.05	0.70	0.70	140	130	150	<0.5	<0.5	0.50	<1	1	1				
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	M	6.5	3		0.10	0.10	0.004	0.004	0.004	0.10	0.55	0.05	0.69	0.67	170	189	210	<0.5	<0.5	0.50	<1	1	1				
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	B	12	1	6	0.07	0.06	0.003	0.002	0.002	0.07	0.55	0.05	0.67	0.67	170	189	210	<0.5	<0.5	0.50	<1	1	1				
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	B	12	2	8	0.06	0.07	0.002	0.002	0.002	0.06	0.55	0.05	0.66	0.67	210	189		<0.5	<0.5	0.50	<1	1	1				
C2A	1/8/2017	Mid-Flood	Fine	Moderate	14:03	13	B	12	3							0.05	0.57	0.05	0.67	0.67				<0.5	<0.5	0.50	<1	1	1				
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	S	1	1	2	NA	NA	NA	NA	NA	<0.01	0.76	0.08	0.84	0.84	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	S	1	2	2	NA	NA	NA	NA	NA	<0.01	0.76	0.08	0.84	0.84	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	S	1	3		NA	NA	NA	NA	NA	<0.01	0.75	0.08	0.83	0.83	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	M	6	1	5	NA	NA	NA	NA	NA	<0.01	0.76	0.08	0.84	0.84	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	M	6	2	3	NA	NA	NA	NA	NA	<0.01	0.76	0.08	0.84	0.84	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	M	6	3		NA	NA	NA	NA	NA	<0.01	0.77	0.07	0.84	0.84	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	B	11	1	4	NA	NA	NA	NA	NA	<0.01	0.76	0.08	0.84	0.84	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	B	11	2	4	NA	NA	NA	NA	NA	<0.01	0.75	0.07	0.82	0.83	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:33	12	B	11	3		NA	NA	NA	NA	NA	<0.01	0.76	0.08	0.84	0.84	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	S	1	1	5	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	S	1	2	5	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	S	1	3		<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	M	4.5	1	5	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	M	4.5	2	5	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	B	8	1	5	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	B	8	2	6	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	1/8/2017	Mid-Flood	Cloudy	Moderate	12:15	9	B	8	3		<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	1/8/2017	Mid-Flood	Cloudy	Moderate	12:51	8	S	1	1	6	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	1/8/2017	Mid-Flood	Cloudy	Moderate	12:51	8	S	1	2	6	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	1/8/2017	Mid-Flood	Cloudy	Moderate	12:51	8	S	1	3		<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	1/8/2017	Mid-Flood	Cloudy	Moderate	12:51	8	M	4	1	8	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	1/8/2017	Mid-Flood	Cloudy	Moderate	12:51	8	M	4	2	8	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	1/8/2017	Mid-Flood	Cloudy	Moderate	12:51	8	M	4	3		<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	1/8/2017	Mid-Flood	Cloudy	Moderate	12:51	8	B	7	1	7	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	1/8/2017	Mid-Flood	Cloudy	Moderate	12:51	8	B	7	2	7	<0.01	<0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	1/8/2017	Mid-Flood	Cloudy	Moderate	12:51	8	B	7	3		<0.01	<0.01	0.000	0.000	0.000	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 <sub>5</sub> (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	1/8/2017	Mid-Flood	Cloudy	Moderate	13:10	4	S	1	1	4	4	<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	890	915	<0.5	<0.5	0.50	<1	1	1			
SR4	1/8/2017	Mid-Flood	Cloudy	Moderate	13:10	4	S	1	2	3		<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	940	915	<0.5	<0.5	0.50	<1	1	1			
SR4	1/8/2017	Mid-Flood	Cloudy	Moderate	13:10	4	S	1	3									NA	NA	NA	NA	NA											
SR4	1/8/2017	Mid-Flood	Cloudy	Moderate	13:10	4	M	1	1									NA	NA	NA	NA	NA											
SR4	1/8/2017	Mid-Flood	Cloudy	Moderate	13:10	4	M	2	2								NA	NA	NA	NA	NA	NA	NA	850	NA	0.50	NA	NA	NA	1			
SR4	1/8/2017	Mid-Flood	Cloudy	Moderate	13:10	4	M	3	3								NA	NA	NA	NA	NA	NA	NA	850	NA	0.50	NA	NA	NA	1			
SR4	1/8/2017	Mid-Flood	Cloudy	Moderate	13:10	4	B	3	1	4	4	<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	760	789	<0.5	<0.5	0.50	<1	1	1			
SR4	1/8/2017	Mid-Flood	Cloudy	Moderate	13:10	4	B	3	2	4		<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	820	789	<0.5	<0.5	0.50	<1	1	1			
SR4	1/8/2017	Mid-Flood	Cloudy	Moderate	13:10	4	B	3	3									NA	NA	NA	NA	NA											
SR4	1/8/2017	Mid-Flood	Cloudy	Moderate	13:10	4	B	3	3									NA	NA	NA	NA	NA											
SR5	1/8/2017	Mid-Flood	Cloudy	Moderate	11:57	11	S	1	1	6	6	NA	NA	NA	NA	NA	NA	<0.01	0.98	0.10	1.08	1.07	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	1/8/2017	Mid-Flood	Cloudy	Moderate	11:57	11	S	1	2	5		NA	NA	NA	NA	NA	NA	<0.01	0.96	0.10	1.06	1.06	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	1/8/2017	Mid-Flood	Cloudy	Moderate	11:57	11	S	1	3									<0.01	0.97	0.10	1.07	1.07	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	1/8/2017	Mid-Flood	Cloudy	Moderate	11:57	11	M	5.5	1	4		NA	NA	NA	NA	NA	NA	<0.01	0.95	0.10	1.05	1.05	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	1/8/2017	Mid-Flood	Cloudy	Moderate	11:57	11	M	5.5	2	4	4	NA	NA	NA	NA	NA	NA	<0.01	0.97	0.10	1.07	1.07	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	1/8/2017	Mid-Flood	Cloudy	Moderate	11:57	11	M	5.5	3									<0.01	0.94	0.10	1.04	1.04	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	1/8/2017	Mid-Flood	Cloudy	Moderate	11:57	11	B	10	1	6		NA	NA	NA	NA	NA	NA	<0.01	0.96	0.10	1.06	1.06	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	1/8/2017	Mid-Flood	Cloudy	Moderate	11:57	11	B	10	2	5		NA	NA	NA	NA	NA	NA	<0.01	0.96	0.10	1.06	1.06	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	1/8/2017	Mid-Flood	Cloudy	Moderate	11:57	11	B	10	3								<0.01	0.97	0.10	1.07	1.07	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR12	1/8/2017	Mid-Flood	Fine	Moderate	13:27	15	S	1	1	2	3	<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	180	194	<0.5	<0.5	0.50	<1	1	1			
SR12	1/8/2017	Mid-Flood	Fine	Moderate	13:27	15	S	1	2	3		<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	210	194	<0.5	<0.5	0.50	<1	1	1			
SR12	1/8/2017	Mid-Flood	Fine	Moderate	13:27	15	S	1	3									NA	NA	NA	NA	NA											
SR12	1/8/2017	Mid-Flood	Fine	Moderate	13:27	15	M	7.5	1	3		0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	320	288	<0.5	<0.5	0.50	<1	1	1			
SR12	1/8/2017	Mid-Flood	Fine	Moderate	13:27	15	M	7.5	2	2	3	<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	260	288	<0.5	<0.5	0.50	<1	1	1			
SR12	1/8/2017	Mid-Flood	Fine	Moderate	13:27	15	M	7.5	3									NA	NA	NA	NA	NA											
SR12	1/8/2017	Mid-Flood	Fine	Moderate	13:27	15	B	14	1	4		<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	410	379	<0.5	<0.5	0.50	<1	1	1			
SR12	1/8/2017	Mid-Flood	Fine	Moderate	13:27	15	B	14	2	3		<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	350	379	<0.5	<0.5	0.50	2	2	2			
SR12	1/8/2017	Mid-Flood	Fine	Moderate	13:27	15	B	14	3								NA	NA	NA	NA	NA												
SR13	1/8/2017	Mid-Flood	Fine	Moderate	13:45	14	S	1	1	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	1/8/2017	Mid-Flood	Fine	Moderate	13:45	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		
SR13	1/8/2017	Mid-Flood	Fine	Moderate	13:45	14	S	1	3									NA	NA	NA	NA	NA											
SR13	1/8/2017	Mid-Flood	Fine	Moderate	13:45	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		
SR13	1/8/2017	Mid-Flood	Fine	Moderate	13:45	14	M	7	2	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	1/8/2017	Mid-Flood	Fine	Moderate	13:45	14	M	7	3									NA	NA	NA	NA	NA											
SR13	1/8/2017	Mid-Flood	Fine	Moderate	13:45	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		
SR13	1/8/2017	Mid-Flood	Fine	Moderate	13:45	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		
SR13	1/8/2017	Mid-Flood	Fine	Moderate	13:45	14	B	13	3								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 <sub>5</sub> (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	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:37	4	S	1	1	5	5	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	260	250	179	<0.5	0.50	1	1	1										
SR4	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:37	4	S	1	2	4		<0.01			0.000			NA	NA	NA	NA		NA		NA	NA		NA			240	<0.5	1							
SR4	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:37	4	S	1	3	3		0.000			NA			NA	NA	NA	NA		NA		NA	NA		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:37	4	M	1	1	1	NA	0.01	NA	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	179	NA	0.50	NA	NA	NA										
SR4	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:37	4	M	1	2	2		<0.01			0.000			NA	NA	NA	NA		NA		NA	NA		NA			150	<0.5	1							
SR4	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:37	4	B	3	3	3		<0.01			0.000			NA	NA	NA	NA		NA		NA	NA		NA			110	<0.5	<1	1						
SR5	1/8/2017	Mid-Ebb	Cloudy	Moderate	9:38	11	S	1	1	4	4	NA	NA	NA	NA	NA	NA	<0.01	0.97	0.10	1.07	1.07	NA	NA	NA	NA	NA	NA	NA	NA										
SR5	1/8/2017	Mid-Ebb	Cloudy	Moderate	9:38	11	S	1	2	4		NA			NA			NA	NA	NA	NA		NA		NA	NA		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	1/8/2017	Mid-Ebb	Cloudy	Moderate	9:38	11	S	1	3	3		NA			NA			NA	NA	NA	NA		NA		NA	NA		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	1/8/2017	Mid-Ebb	Cloudy	Moderate	9:38	11	M	3.5	1	6	5	NA	NA	NA	NA	NA	NA	<0.01	0.96	0.10	1.06	1.06	1.06	1.06	NA	NA	NA	NA	NA	NA										
SR5	1/8/2017	Mid-Ebb	Cloudy	Moderate	9:38	11	M	3.5	2	4		NA			NA			NA	NA	NA	NA		NA		NA	NA		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	1/8/2017	Mid-Ebb	Cloudy	Moderate	9:38	11	M	3.5	3	3		NA			NA			NA	NA	NA	NA		NA		NA	NA		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	1/8/2017	Mid-Ebb	Cloudy	Moderate	9:38	11	B	10	1	5	6	NA	NA	NA	NA	NA	NA	<0.01	0.97	0.10	1.07	1.05	NA	NA	NA	NA	NA	NA	NA	NA										
SR5	1/8/2017	Mid-Ebb	Cloudy	Moderate	9:38	11	B	10	2	6		NA			NA			NA	NA	NA	NA		NA		NA	NA		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	1/8/2017	Mid-Ebb	Cloudy	Moderate	9:38	11	B	10	3	3		NA			NA			NA	NA	NA	NA		NA		NA	NA		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:29	15	S	1	1	4	5	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	450	488	608	<0.5	0.50	<1	1	1										
SR12	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:29	15	S	1	2	5		0.01			0.000			NA	NA	NA	NA		NA		NA	NA		NA			530	<0.5	<1							
SR12	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:29	15	S	1	3	3		<0.01			0.000			NA	NA	NA	NA		NA		NA	NA		NA			820	<0.5	<1	1						
SR12	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:29	15	M	7.5	1	4	5	0.05	0.03	0.02	0.000	0.002	0.001	NA	NA	NA	NA	NA	760	789	608	<0.5	0.50	<1	1	1										
SR12	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:29	15	M	7.5	2	5		0.01			0.000			NA	NA	NA	NA		NA		NA	NA		NA			630	<0.5	<1							
SR12	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:29	15	M	7.5	3	3		0.01			0.000			NA	NA	NA	NA		NA		NA	NA		NA			540	<0.5	<1	1						
SR12	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:29	15	B	14	1	9	9	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	540	583	608	<0.5	0.50	<1	1	1										
SR12	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:29	15	B	14	2	8		0.01			0.000			NA	NA	NA	NA		NA		NA	NA		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:29	15	B	14	3	3		0.01			0.000			NA	NA	NA	NA		NA		NA	NA		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR13	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:13	14	S	1	1	7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
SR13	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:13	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	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:13	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	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:13	14	M	7	1	8	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
SR13	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:13	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	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:13	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	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:13	14	B	13	1	9	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
SR13	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:13	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	1/8/2017	Mid-Ebb	Cloudy	Moderate	8:13	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 Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.			
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	S	1	1	7.51	20.97	20.97	28.69	28.70	28.70	87.1	86.6	86.8	5.98	6.01	6.00	1.6	1.6	1.6	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA					
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	S	1	2	7.51	7.51	20.97	20.97	28.69	28.70	28.70	87.1	86.6	86.8	5.98	6.01	6.00	1.6	1.6	1.6	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA				
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	S	1	3																													
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	M	1	1																													
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	M	2	2		NA		NA																									
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	M	3	3																													
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	B	3	1	7.75	21.53	21.52	28.59	28.60	28.60	86.5	86.7	86.8	5.96	5.93	5.95	1.5	1.4	1.5	0.12	0.12	0.12	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA		
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	B	3	2	7.79	7.77	21.51	21.52	28.60	28.60	86.8	86.7	86.8	5.93	5.95	5.95	1.4	1.5	1.5	0.12	0.12	0.12	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA		
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	B	3	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	S	1	1	7.40	7.40	23.07	23.08	28.58	28.58	83.4	83.5	83.5	5.77	5.76	5.77	1.5	1.4	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	S	1	2	7.40	7.40	23.08	23.08	28.58	28.58	83.5	83.5	83.5	5.76	5.76	5.77	1.4	1.4	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	S	1	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	M	5.5	1	7.41	7.41	23.22	23.22	28.54	28.54	79.5	79.5	79.5	5.51	5.50	5.51	1.4	1.3	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	M	5.5	2	7.41	7.41	23.22	23.22	28.54	28.54	79.4	79.5	79.5	5.50	5.51	5.51	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	M	5.5	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	1	7.41	7.41	23.75	23.75	28.53	28.53	69.8	69.8	69.8	4.91	4.92	4.92	1.4	1.3	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	4.92	4.92	1.3	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3																													
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	7.41	7.41	23.75	23.75	28.53	28.53	69.7	69.8	69.8	4.92	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 <sub>5</sub> (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	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	S	1	1	6	6	0.10	0.002	0.002	0.003	NA	NA	NA	NA	NA	23000	19183	3751	NA	NA	NA	2	2	2										
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	S	1	2	5						0.09	0.10	0.002	0.002					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	S	1	3															NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	M			1	NA	6	NA	0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	M			2														NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	M			3														NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	B	3	1	8	7	0.12	0.12	0.004	0.004	NA	NA	NA	NA	NA	780	734	NA	NA	NA	NA	2	2	2										
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	B	3	2	6						0.12	0.12	0.004	0.004					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR4	3/8/2017	Mid-Flood	Cloudy	Smooth	15:09	4	B	3	3															NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	S	1	1	5	5	NA	NA	NA	NA	0.10	0.85	0.09	1.04	1.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	S	1	2	4						NA	NA	NA	NA					0.12	0.84	0.10	1.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	S	1	3															0.10	0.86	0.08	1.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	M	5.5	1	7	6	7	NA	NA	NA	0.08	0.85	0.10	1.03	1.01	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA									
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	M	5.5	2	5						NA	NA	NA	NA					0.08	0.84	0.09	1.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	M	5.5	3															0.05	0.85	0.09	0.99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	1	9	10	NA	NA	NA	NA	0.01	0.84	0.09	0.94	0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	2	11						NA	NA	NA	NA					<0.01	0.82	0.10	0.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	3/8/2017	Mid-Flood	Cloudy	Smooth	14:05	11	B	10	3															0.01	0.84	0.10	0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	3/8/2017	Mid-Flood	Cloudy	Moderate	15:34	15	S	1	1	5	5	0.09	0.09	0.002	0.002	0.002	0.002	0.002	0.002	NA	360	355	221	NA	NA	NA	2	2	2										
SR12	3/8/2017	Mid-Flood	Cloudy	Moderate	15:34	15	S	1	2	4						0.09	0.09	0.002	0.002					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	3/8/2017	Mid-Flood	Cloudy	Moderate	15:34	15	S	1	3															NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	3/8/2017	Mid-Flood	Cloudy	Moderate	15:34	15	M	7.5	1	3	3	0.15	0.15	0.004	0.004	0.004	0.004	0.004	0.004	NA	120	115	NA	NA	NA	NA	2	2	2										
SR12	3/8/2017	Mid-Flood	Cloudy	Moderate	15:34	15	M	7.5	2	3						0.15	0.15	0.004	0.004					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	3/8/2017	Mid-Flood	Cloudy	Moderate	15:34	15	M	7.5	3															NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	3/8/2017	Mid-Flood	Cloudy	Moderate	15:34	15	B	14	1	4	5	0.06	0.06	0.002	0.001	0.002	0.001	0.001	0.001	NA	280	265	NA	NA	NA	NA	1	1	1										
SR12	3/8/2017	Mid-Flood	Cloudy	Moderate	15:34	15	B	14	2	5						0.06	0.06	0.002	0.001					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	3/8/2017	Mid-Flood	Cloudy	Moderate	15:34	15	B	14	3															NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	S	1	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	S	1	2	3						NA	NA	NA	NA					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	S	1	3															NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	M	7	1	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	M	7	2	5						NA	NA	NA	NA					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	M	7	3															NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	B	13	1	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	B	13	2	4						NA	NA	NA	NA					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	B	13	3															NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	B	13	2	4	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	B	13	3															NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	3/8/2017	Mid-Flood	Cloudy	Moderate	15:54	14	B	13	3															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 Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.	
C1A	3/8/2017	Mid-Ebb	Cloudy	Smooth	13:05	28	S	1	1	7.54	20.12	20.12	29.08	29.08	85.7	85.6	85.7	5.90	5.89	5.90	5.62	2.3	2.4	2.4	0.10	0.10	0.07	0.002	0.002	0.002	0.10	0.86	0.09	1.05	1.05	1.05
C1A	3/8/2017	Mid-Ebb	Cloudy	Smooth	13:05	28	S	1	2	7.54	7.54	20.12	20.12	29.08	29.08	85.6	85.7	5.90	5.89	5.90	5.62	2.3	2.4	2.4	0.10	0.10	0.07	0.002	0.002	0.002	0.10	0.86	0.09	1.05	1.05	1.05
C1A	3/8/2017	Mid-Ebb	Cloudy	Smooth	13:05	28	S	1	3												5.62						0.002									
C1A	3/8/2017	Mid-Ebb	Cloudy	Smooth	13:05	28	M	14	1	7.74	21.21	21.21	28.72	28.72	77.4	77.5	77.5	5.34	5.35	5.35	5.62	1.2	1.2	1.2	0.10	0.10	0.07	0.003	0.003	0.003	0.10	0.85	0.10	1.05	1.05	1.05
C1A	3/8/2017	Mid-Ebb	Cloudy	Smooth	13:05	28	M	14	2	7.74	7.74	21.21	21.21	28.72	28.72	77.5	77.5	5.35	5.35	5.35	5.62	1.1	1.2	1.8	0.10	0.10	0.07	0.003	0.003	0.002	0.10	0.85	0.09	1.04	1.05	1.01
C1A	3/8/2017	Mid-Ebb	Cloudy	Smooth	13:05	28	M	14	3												5.62						0.002									
C1A	3/8/2017	Mid-Ebb	Cloudy	Smooth	13:05	28	B	27	1	7.70	25.91	25.91	27.67	27.67	57.7	57.8	57.8	3.93	3.94	3.94	5.62	1.7	1.8	1.8	0.01	0.01	0.07	0.000	0.000	0.000	0.01	0.84	0.09	0.94	0.94	0.94
C1A	3/8/2017	Mid-Ebb	Cloudy	Smooth	13:05	28	B	27	2	7.70	25.91	25.91	27.67	27.67	57.8	57.8	57.8	3.94	3.94	3.94	5.62	1.8	1.8	1.8	0.01	0.01	0.07	0.000	0.000	0.000	0.01	0.83	0.10	0.94	0.94	0.94
C1A	3/8/2017	Mid-Ebb	Cloudy	Smooth	13:05	28	B	27	3												5.62						0.000									
C2A	3/8/2017	Mid-Ebb	Rainy	Moderate	9:56	13	S	1	1	7.94	24.27	24.27	28.04	28.04	86.7	86.8	86.8	5.97	5.94	5.96	5.77	1.4	1.3	1.4	0.12	0.12	0.09	0.006	0.006	0.006	0.12	0.49	0.05	0.66	0.66	0.66
C2A	3/8/2017	Mid-Ebb	Rainy	Moderate	9:56	13	S	1	2	7.94	24.27	24.27	28.04	28.04	86.8	86.8	86.8	5.94	5.96	5.96	5.77	1.3	1.4	1.4	0.12	0.12	0.09	0.006	0.006	0.006	0.12	0.49	0.05	0.66	0.66	0.66
C2A	3/8/2017	Mid-Ebb	Rainy	Moderate	9:56	13	S	1	3												5.77						0.006									
C2A	3/8/2017	Mid-Ebb	Rainy	Moderate	9:56	13	M	6.5	1	7.96	24.88	24.88	28.04	28.04	83.2	83.2	83.2	5.58	5.59	5.59	5.77	1.5	1.6	1.6	0.05	0.05	0.09	0.003	0.003	0.004	0.05	0.47	0.05	0.57	0.56	0.62
C2A	3/8/2017	Mid-Ebb	Rainy	Moderate	9:56	13	M	6.5	2	7.96	24.88	24.88	28.04	28.04	83.1	83.2	83.2	5.59	5.59	5.59	5.77	1.6	1.6	1.9	0.05	0.05	0.09	0.003	0.003	0.004	0.05	0.47	0.05	0.57	0.56	0.62
C2A	3/8/2017	Mid-Ebb	Rainy	Moderate	9:56	13	M	6.5	3												5.77						0.003									
C2A	3/8/2017	Mid-Ebb	Rainy	Moderate	9:56	13	B	12	1	7.85	28.73	28.73	26.99	26.99	82.5	82.6	82.6	3.57	3.58	3.58	5.77	2.6	2.7	2.7	0.10	0.10	0.04	0.004	0.004	0.004	0.10	0.49	0.05	0.64	0.64	0.64
C2A	3/8/2017	Mid-Ebb	Rainy	Moderate	9:56	13	B	12	2	7.85	28.73	28.73	26.99	26.99	82.6	82.6	82.6	3.58	3.58	3.58	5.77	2.7	2.7	2.7	0.10	0.10	0.04	0.004	0.004	0.004	0.10	0.49	0.05	0.64	0.64	0.64
C2A	3/8/2017	Mid-Ebb	Rainy	Moderate	9:56	13	B	12	3												5.77						0.004									
G2	3/8/2017	Mid-Ebb	Rainy	Moderate	11:58	12	S	1	1	7.51	20.59	20.59	28.61	28.61	89.3	89.4	89.4	6.17	6.18	6.18	5.95	1.4	1.5	1.5	NA	NA	NA	NA	NA	NA	0.20	0.68	0.07	0.95	0.95	0.95
G2	3/8/2017	Mid-Ebb	Rainy	Moderate	11:58	12	S	1	2	7.51	20.59	20.59	28.61	28.61	89.4	89.4	89.4	6.18	6.18	6.18	5.95	1.5	1.5	1.4	NA	NA	NA	NA	NA	NA	0.20	0.67	0.08	0.95	0.95	0.95
G2	3/8/2017	Mid-Ebb	Rainy	Moderate	11:58	12	S	1	3												5.95						NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	3/8/2017	Mid-Ebb	Rainy	Moderate	11:58	12	M	6	1	7.75	21.89	21.89	28.31	28.31	83.3	83.4	83.4	5.72	5.71	5.72	5.95	1.1	1.0	1.1	NA	NA	NA	NA	NA	NA	0.20	0.67	0.08	0.95	0.95	0.96
G2	3/8/2017	Mid-Ebb	Rainy	Moderate	11:58	12	M	6	2	7.75	21.89	21.89	28.31	28.31	83.3	83.4	83.4	5.72	5.71	5.72	5.95	1.1	1.0	1.1	NA	NA	NA	NA	NA	NA	0.20	0.67	0.08	0.95	0.95	0.96
G2	3/8/2017	Mid-Ebb	Rainy	Moderate	11:58	12	M	6	3												5.95						NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	3/8/2017	Mid-Ebb	Rainy	Moderate	11:58	12	B	11	1	7.75	24.99	24.99	27.80	27.80	69.5	69.9	69.9	4.71	4.74	4.73	5.95	1.6	1.7	1.7	NA	NA	NA	NA	NA	NA	0.22	0.68	0.08	0.98	0.97	0.97
G2	3/8/2017	Mid-Ebb	Rainy	Moderate	11:58	12	B	11	2	7.75	24.99	24.99	27.80	27.80	69.9	69.9	69.9	4.74	4.73	4.73	5.95	1.7	1.7	1.7	NA	NA	NA	NA	NA	NA	0.22	0.66	0.08	0.96	0.97	0.97
G2	3/8/2017	Mid-Ebb	Rainy	Moderate	11:58	12	B	11	3												5.95						NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	9	S	1	1	7.11	22.46	22.46	28.31	28.31	82.9	83.0	83.0	5.68	5.69	5.69	5.63	2.3	2.2	2.3	0.05	0.05	0.02	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA
SR2	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	9	S	1	2	7.11	22.46	22.46	28.31	28.31	83.0	83.0	83.0	5.69	5.69	5.69	5.63	2.2	2.3	2.3	0.05	0.05	0.02	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA
SR2	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	9	S	1	3												5.63						0.000									
SR2	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	9	M	4.5	1	7.63	22.69	22.69	28.22	28.22	81.1	81.2	81.2	5.57	5.58	5.58	5.63	2.1	2.0	2.1	0.01	0.01	0.02	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA
SR2	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	9	M	4.5	2	7.63	22.69	22.69	28.22	28.22	81.2	81.2	81.2	5.58	5.58	5.58	5.63	2.0	2.1	2.1	0.01	0.01	0.02	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA
SR2	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	9	B	8	1	7.77	23.89	23.89	28.04	28.04	73.2	73.1	73.2	4.95	4.94	4.95	5.63	2.1	2.0	2.1	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA
SR2	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	9	B	8	2	7.77	23.89	23.89	28.04	28.04	73.1	73.2	73.2	4.94	4.95	4.95	5.63	2.0	2.1	2.1	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA
SR2	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	9	B	8	3												5.63						0.000									
SR3	3/8/2017	Mid-Ebb	Rainy	Moderate	11:42	8	S	1	1	7.49	22.09	22.09	28.78	28.78	86.9	87.0	87.0	5.99	6.00	6.00	5.86	1.4	1.3	1.4	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA
SR3	3/8/2017	Mid-Ebb	Rainy	Moderate	11:42	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 <sub>5</sub> (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	3/8/2017	Mid-Ebb	Rainy	Moderate	11:17	4	S	1	1	3	3	5	0.25	0.25	0.25	0.007	0.007	0.008	NA	NA	NA	NA	NA	220	190	204	106	NA	NA	NA	1	1	1																						
SR4	3/8/2017	Mid-Ebb	Rainy	Moderate	11:17	4	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							
SR4	3/8/2017	Mid-Ebb	Rainy	Moderate	11:17	4	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							
SR4	3/8/2017	Mid-Ebb	Rainy	Moderate	11:17	4	M	1	1	1	NA	5	NA	NA	0.25	NA	0.008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																							
SR4	3/8/2017	Mid-Ebb	Rainy	Moderate	11:17	4	M	2	2	2																							0.25	0.24	0.009	0.008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	3/8/2017	Mid-Ebb	Rainy	Moderate	11:17	4	B	3	2	8																							0.23	0.24	0.008	0.008	NA	NA	NA	NA	NA	NA	NA	NA	53	58	55	NA	NA	NA	1	1	1		
SR5	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:35	11	S	1	1	2	3	4	NA	NA	NA	NA	NA	NA	0.10	0.85	0.09	1.04	1.04	NA	NA	NA	NA	NA	NA	NA	NA	NA																							
SR5	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:35	11	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		
SR5	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:35	11	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	
SR5	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:35	11	M	5.5	1	3	3	4	NA	NA	NA	NA	NA	NA	0.09	0.86	0.08	1.03	1.02	1.00	NA	NA	NA	NA	NA	NA	NA	NA																							
SR5	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:35	11	M	5.5	2	3																							NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:35	11	M	5.5	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
SR5	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:35	11	B	10	1	7	6	6	NA	NA	NA	NA	NA	NA	0.07	0.85	0.10	1.02	0.93	NA	NA	NA	NA	NA	NA	NA	NA	NA																							
SR5	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:35	11	B	10	2	5																							NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	3/8/2017	Mid-Ebb	Cloudy	Smooth	12:35	11	B	10	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
SR12	3/8/2017	Mid-Ebb	Rainy	Moderate	10:47	15	S	1	1	4	4	4	0.10	0.11	0.22	0.002	0.002	0.006	NA	NA	NA	NA	NA	NA	210	250	229	170	NA	NA	NA	1	2	2																					
SR12	3/8/2017	Mid-Ebb	Rainy	Moderate	10:47	15	S	1	2	4																			0.23	0.22	0.006	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR12	3/8/2017	Mid-Ebb	Rainy	Moderate	10:47	15	M	7.5	1	4																			0.21	0.22	0.005	0.006	NA	NA	NA	NA	NA	NA	NA	NA	170	120	143	NA	NA	NA	1	1	1						
SR12	3/8/2017	Mid-Ebb	Rainy	Moderate	10:47	15	M	7.5	2	3	4	4	0.34	0.34	0.22	0.010	0.010	0.006	NA	NA	NA	NA	NA	NA	160	140	150	NA	NA	NA	NA	NA	NA																						
SR12	3/8/2017	Mid-Ebb	Rainy	Moderate	10:47	15	M	7.5	3	3																								0.33	0.34	0.009	0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2017	Mid-Ebb	Rainy	Moderate	10:47	15	B	14	1	3																								NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	3/8/2017	Mid-Ebb	Rainy	Moderate	10:47	15	B	14	2	4	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																							
SR13	3/8/2017	Mid-Ebb	Rainy	Moderate	10:27	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	
SR13	3/8/2017	Mid-Ebb	Rainy	Moderate	10:27	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	3/8/2017	Mid-Ebb	Rainy	Moderate	10:27	14	S	1	3	3	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																							
SR13	3/8/2017	Mid-Ebb	Rainy	Moderate	10:27	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	3/8/2017	Mid-Ebb	Rainy	Moderate	10:27	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	3/8/2017	Mid-Ebb	Rainy	Moderate	10:27	14	M	7	3	3	5	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																							
SR13	3/8/2017	Mid-Ebb	Rainy	Moderate	10:27	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	3/8/2017	Mid-Ebb	Rainy	Moderate	10:27	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	3/8/2017	Mid-Ebb	Rainy	Moderate	10:27	14	B	13	3	3	5	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																							
SR13	3/8/2017	Mid-Ebb	Rainy	Moderate	10:27	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
SR13	3/8/2017	Mid-Ebb	Rainy	Moderate	10:27	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

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 <sub>5</sub> (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.	Value	Ave.	Depth Ave.
C1A	5/8/2017	Mid-Flood	Fine	Moderate	7:00	28	S	1	1	4	4	0.11	0.10	0.10	0.004	0.003	0.003	0.11	0.74	0.15	1.00	0.99	52	45	51	NA	NA	NA	<1	1	1					
C1A	5/8/2017	Mid-Flood	Fine	Moderate	7:00	28	S	1	2	4		0.09			0.08			0.07	0.16	0.97	39		NA			<1										
C1A	5/8/2017	Mid-Flood	Fine	Moderate	7:00	28	S	1	3																											
C1A	5/8/2017	Mid-Flood	Fine	Moderate	7:00	28	M	14	1	5		0.10	0.09		0.03	0.03		0.003	0.08	0.74	0.14	0.98	17	NA		NA	NA		NA	NA		NA	<1			
C1A	5/8/2017	Mid-Flood	Fine	Moderate	7:00	28	M	14	2	5	0.08	0.09	0.10	0.03	0.003	0.08	0.73	0.16	0.97	21	NA	NA	NA	NA	NA	NA	<1									
C1A	5/8/2017	Mid-Flood	Fine	Moderate	7:00	28	M	14	3																											
C1A	5/8/2017	Mid-Flood	Fine	Moderate	7:00	28	B	27	1	6	0.12	0.11	0.004	0.003	0.12	0.76	0.14	1.02	180	NA	NA	NA	NA	NA	NA	<1										
C1A	5/8/2017	Mid-Flood	Fine	Moderate	7:00	28	B	27	2	7	0.10	0.11	0.003	0.003	0.10	0.75	0.15	1.00	140	NA	NA	NA	NA	NA	NA	<1										
C1A	5/8/2017	Mid-Flood	Fine	Moderate	7:00	28	B	27	3																											
C2A	5/8/2017	Mid-Flood	Fine	Moderate	5:42	13	S	1	1	3	4	0.47	0.46	0.34	0.018	0.018	0.012	0.47	0.40	0.05	0.92	0.92	140	150	187	NA	NA	NA	<1	1	1					
C2A	5/8/2017	Mid-Flood	Fine	Moderate	5:42	13	S	1	2	4		0.44			0.46			0.017	0.018	0.44	0.40		0.05			0.89			160			NA	NA	NA	NA	NA
C2A	5/8/2017	Mid-Flood	Fine	Moderate	5:42	13	S	1	3																											
C2A	5/8/2017	Mid-Flood	Fine	Moderate	5:42	13	M	6.5	1	6		0.38	0.38		0.014	0.014		0.38	0.40	0.05	0.83	240	NA	NA		NA	NA		NA	NA		<1				
C2A	5/8/2017	Mid-Flood	Fine	Moderate	5:42	13	M	6.5	2	5	0.38	0.38	0.014	0.014	0.38	0.40	0.05	0.83	180	NA	NA	NA	NA	NA	NA	1										
C2A	5/8/2017	Mid-Flood	Fine	Moderate	5:42	13	M	6.5	3																											
C2A	5/8/2017	Mid-Flood	Fine	Moderate	5:42	13	B	12	1	7	0.14	0.17	0.005	0.005	0.14	0.40	0.05	0.59	190	NA	NA	NA	NA	NA	NA	1										
C2A	5/8/2017	Mid-Flood	Fine	Moderate	5:42	13	B	12	2	8	0.20	0.17	0.006	0.005	0.20	0.40	0.05	0.65	230	NA	NA	NA	NA	NA	NA	<1										
C2A	5/8/2017	Mid-Flood	Fine	Moderate	5:42	13	B	12	3																											
G2	5/8/2017	Mid-Flood	Fine	Moderate	6:32	12	S	1	1	4	4	NA	NA	NA	NA	NA	NA	0.06	0.55	0.09	0.70	0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA					
G2	5/8/2017	Mid-Flood	Fine	Moderate	6:32	12	S	1	2	3		NA			NA			NA	NA	0.08	0.54		0.09			0.71			NA			NA	NA	NA	NA	NA
G2	5/8/2017	Mid-Flood	Fine	Moderate	6:32	12	S	1	3																											
G2	5/8/2017	Mid-Flood	Fine	Moderate	6:32	12	M	6	1	6		NA	NA		NA	NA		0.02	0.54	0.10	0.66	NA	NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA
G2	5/8/2017	Mid-Flood	Fine	Moderate	6:32	12	M	6	2	4	NA	NA	NA	NA	0.08	0.54	0.08	0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
G2	5/8/2017	Mid-Flood	Fine	Moderate	6:32	12	M	6	3																											
G2	5/8/2017	Mid-Flood	Fine	Moderate	6:32	12	B	11	1	5	NA	NA	NA	NA	0.07	0.55	0.08	0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
G2	5/8/2017	Mid-Flood	Fine	Moderate	6:32	12	B	11	2	5	NA	NA	NA	NA	0.04	0.55	0.09	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
G2	5/8/2017	Mid-Flood	Fine	Moderate	6:32	12	B	11	3																											
G2	5/8/2017	Mid-Flood	Fine	Moderate	6:32	12	B	11	4																											
SR2	5/8/2017	Mid-Flood	Fine	Moderate	6:37	9	S	1	1	4	3	0.11	0.10	0.11	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	5/8/2017	Mid-Flood	Fine	Moderate	6:37	9	S	1	2	2		0.09			0.10			0.002	0.003	NA	NA		NA			NA			NA			NA	NA	NA	NA	NA
SR2	5/8/2017	Mid-Flood	Fine	Moderate	6:37	9	S	1	3																											
SR2	5/8/2017	Mid-Flood	Fine	Moderate	6:37	9	M	4.5	1	6		0.11	0.10		0.003	0.003		NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA
SR2	5/8/2017	Mid-Flood	Fine	Moderate	6:37	9	M	4.5	2	4	0.09	0.10	0.003	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR2	5/8/2017	Mid-Flood	Fine	Moderate	6:37	9	M	4.5	3																											
SR2	5/8/2017	Mid-Flood	Fine	Moderate	6:37	9	B	8	1	6	0.12	0.13	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR2	5/8/2017	Mid-Flood	Fine	Moderate	6:37	9	B	8	2	5	0.14	0.13	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR2	5/8/2017	Mid-Flood	Fine	Moderate	6:37	9	B	8	3																											
SR3	5/8/2017	Mid-Flood	Fine	Moderate	6:26	8	S	1	1	4	4	0.08	0.06	0.07	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	5/8/2017	Mid-Flood	Fine	Moderate	6:26	8	S	1	2	4		0.04			0.06			0.001	0.002	NA	NA		NA			NA			NA			NA	NA	NA	NA	NA
SR3	5/8/2017	Mid-Flood	Fine	Moderate	6:26	8	S	1	3																											
SR3	5/8/2017	Mid-Flood	Fine	Moderate	6:26	8	M	4	1	4		0.11	0.08		0.003	0.002		NA	NA	NA	NA	NA	NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA
SR3	5/8/2017	Mid-Flood	Fine	Moderate	6:26	8	M	4	2	4	0.05	0.08	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR3	5/8/2017	Mid-Flood	Fine	Moderate	6:26	8	M	4	3																											
SR3	5/8/2017	Mid-Flood	Fine	Moderate	6:26	8	B	7	1	4	0.04	0.07	0.001	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR3	5/8/2017	Mid-Flood	Fine	Moderate	6:26	8	B	7	2	6	0.10	0.07	0.003	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR3	5/8/2017	Mid-Flood	Fine	Moderate	6:26	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 <sub>5</sub> (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	5/8/2017	Mid-Flood	Fine	Moderate	6:19	4	S	1	1	3	3	0.24	0.24	0.24	0.007	0.007	0.007	NA	NA	NA	NA	NA	6200	6864	6864	NA	NA	NA	<1	<1	1	1		
SR4	5/8/2017	Mid-Flood	Fine	Moderate	6:19	4	S	1	2	2		0.24	0.24	0.24	0.007	0.007	0.007	NA	NA	NA	NA	NA	7600	6864	6864	NA	NA	NA	<1	<1	1			
SR4	5/8/2017	Mid-Flood	Fine	Moderate	6:19	4	S	1	3	3		0.24	0.24	0.24	0.007	0.007	0.007	NA	NA	NA	NA	NA	7600	6864	6864	NA	NA	NA	<1	<1	1			
SR4	5/8/2017	Mid-Flood	Fine	Moderate	6:19	4	M	1	1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5794	5794	5794	NA	NA	NA	NA	NA	NA		
SR4	5/8/2017	Mid-Flood	Fine	Moderate	6:19	4	M	2	2	2		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5794	5794	5794	NA	NA	NA	NA	NA	NA	
SR4	5/8/2017	Mid-Flood	Fine	Moderate	6:19	4	M	3	3	3		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5794	5794	5794	NA	NA	NA	NA	NA	NA	
SR4	5/8/2017	Mid-Flood	Fine	Moderate	6:19	4	B	3	1	2	3	0.27	0.26	0.26	0.008	0.007	0.007	NA	NA	NA	NA	NA	4600	4891	4891	NA	NA	NA	<1	<1	1	1		
SR4	5/8/2017	Mid-Flood	Fine	Moderate	6:19	4	B	3	2	4		0.25	0.26	0.26	0.007	0.007	0.007	NA	NA	NA	NA	NA	5200	4891	4891	NA	NA	NA	<1	<1	1			
SR4	5/8/2017	Mid-Flood	Fine	Moderate	6:19	4	B	3	3	3		0.25	0.26	0.26	0.007	0.007	0.007	NA	NA	NA	NA	NA	5200	4891	4891	NA	NA	NA	<1	<1	1			
SR5	5/8/2017	Mid-Flood	Fine	Moderate	6:48	11	S	1	1	4	5	NA	NA	NA	NA	NA	NA	0.02	0.84	0.18	1.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	5/8/2017	Mid-Flood	Fine	Moderate	6:48	11	S	1	2	5		NA	NA	NA	NA	NA	NA	0.17	0.83	0.18	1.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	5/8/2017	Mid-Flood	Fine	Moderate	6:48	11	S	1	3	3		NA	NA	NA	NA	NA	NA	0.02	0.84	0.18	1.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	5/8/2017	Mid-Flood	Fine	Moderate	6:48	11	M	5.5	1	5	5	NA	NA	NA	NA	NA	NA	0.25	0.84	0.17	1.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	5/8/2017	Mid-Flood	Fine	Moderate	6:48	11	M	5.5	2	5		NA	NA	NA	NA	NA	NA	0.15	0.83	0.18	1.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	5/8/2017	Mid-Flood	Fine	Moderate	6:48	11	M	5.5	3	3		NA	NA	NA	NA	NA	NA	<0.01	0.83	0.18	1.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	5/8/2017	Mid-Flood	Fine	Moderate	6:48	11	B	10	1	5	5	NA	NA	NA	NA	NA	NA	<0.01	0.84	0.17	1.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	5/8/2017	Mid-Flood	Fine	Moderate	6:48	11	B	10	2	4		NA	NA	NA	NA	NA	NA	0.14	0.83	0.18	1.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	5/8/2017	Mid-Flood	Fine	Moderate	6:48	11	B	10	3	3		NA	NA	NA	NA	NA	NA	<0.01	0.82	0.18	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	5/8/2017	Mid-Flood	Fine	Moderate	6:07	15	S	1	1	3	4	0.17	0.18	0.18	0.004	0.005	0.005	NA	NA	NA	NA	NA	890	905	905	NA	NA	NA	<1	<1	1	1		
SR12	5/8/2017	Mid-Flood	Fine	Moderate	6:07	15	S	1	2	4		0.18	0.18	0.18	0.005	0.005	0.005	NA	NA	NA	NA	NA	920	905	905	NA	NA	NA	<1	<1	1			
SR12	5/8/2017	Mid-Flood	Fine	Moderate	6:07	15	S	1	3	3		0.18	0.17	0.17	0.005	0.005	0.005	NA	NA	NA	NA	NA	3200	3960	3960	NA	NA	NA	<1	<1	1			
SR12	5/8/2017	Mid-Flood	Fine	Moderate	6:07	15	M	7.5	1	3	4	0.16	0.17	0.17	0.005	0.005	0.005	NA	NA	NA	NA	NA	4900	3960	3960	NA	NA	NA	<1	<1	1	1		
SR12	5/8/2017	Mid-Flood	Fine	Moderate	6:07	15	M	7.5	2	4		0.16	0.17	0.17	0.005	0.005	0.005	NA	NA	NA	NA	NA	4900	3960	3960	NA	NA	NA	<1	<1	1			
SR12	5/8/2017	Mid-Flood	Fine	Moderate	6:07	15	M	7.5	3	3		0.16	0.17	0.17	0.005	0.005	0.005	NA	NA	NA	NA	NA	4900	3960	3960	NA	NA	NA	<1	<1	1			
SR12	5/8/2017	Mid-Flood	Fine	Moderate	6:07	15	B	14	1	6	6	0.15	0.15	0.15	0.004	0.004	0.004	NA	NA	NA	NA	NA	3600	4113	4113	NA	NA	NA	<1	<1	1	1		
SR12	5/8/2017	Mid-Flood	Fine	Moderate	6:07	15	B	14	2	5		0.15	0.15	0.15	0.004	0.004	0.004	NA	NA	NA	NA	NA	4700	4113	4113	NA	NA	NA	<1	<1	1			
SR12	5/8/2017	Mid-Flood	Fine	Moderate	6:07	15	B	14	3	3		0.15	0.15	0.15	0.004	0.004	0.004	NA	NA	NA	NA	NA	4700	4113	4113	NA	NA	NA	<1	<1	1			
SR13	5/8/2017	Mid-Flood	Fine	Moderate	5:55	14	S	1	1	5	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	5/8/2017	Mid-Flood	Fine	Moderate	5:55	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	NA	NA	
SR13	5/8/2017	Mid-Flood	Fine	Moderate	5:55	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	5/8/2017	Mid-Flood	Fine	Moderate	5:55	14	M	7	1	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	5/8/2017	Mid-Flood	Fine	Moderate	5:55	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	
SR13	5/8/2017	Mid-Flood	Fine	Moderate	5:55	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	5/8/2017	Mid-Flood	Fine	Moderate	5:55	14	B	13	1	7	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	5/8/2017	Mid-Flood	Fine	Moderate	5:55	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	NA	NA	
SR13	5/8/2017	Mid-Flood	Fine	Moderate	5:55	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	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 <sub>5</sub> (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	5/8/2017	Mid-Ebb	Fine	Moderate	8:12	28	S	1	1	4	4	0.10	0.11	0.11	0.003	0.004	0.003	0.003	0.10	0.76	0.15	1.01	1.02	51	49	50	79	NA	NA	NA	<1	<1	1	1													
C1A	5/8/2017	Mid-Ebb	Fine	Moderate	8:12	28	S	1	2	4																		0.11	0.11	0.11	0.004	0.003	0.003		0.11	0.74	0.14	0.99	90	90	99	NA	NA	NA	<1	<1	1
C1A	5/8/2017	Mid-Ebb	Fine	Moderate	8:12	28	M	14	1	4																		0.10	0.11	0.11	0.003	0.003	0.003		0.10	0.76	0.15	1.01	110	110	99	NA	NA	NA	<1	<1	1
C1A	5/8/2017	Mid-Ebb	Fine	Moderate	8:12	28	M	14	2	4	4	0.09	0.12	0.11	0.003	0.004	0.003	0.003	0.12	0.75	0.15	1.02	80	80	98	79	NA	NA	NA	<1	<1	1	1														
C1A	5/8/2017	Mid-Ebb	Fine	Moderate	8:12	28	B	27	1	4																	0.12	0.11	0.11	0.003	0.003	0.003		0.12	0.75	0.15	1.02	120	120	98	NA	NA	NA	<1	<1	1	
C1A	5/8/2017	Mid-Ebb	Fine	Moderate	8:12	28	B	27	2	5																	0.12	0.11	0.11	0.003	0.003	0.003		0.12	0.75	0.15	1.02	120	120	98	NA	NA	NA	<1	<1	1	
C2A	5/8/2017	Mid-Ebb	Fine	Moderate	9:33	13	S	1	1	3	3	0.50	0.43	0.47	0.021	0.018	0.019	0.015	0.50	0.40	0.05	0.95	130	180	153	124	NA	NA	NA	1	1	1	1														
C2A	5/8/2017	Mid-Ebb	Fine	Moderate	9:33	13	S	1	2	3																	0.43	0.47	0.41	0.05	0.89	0.44		0.40	0.05	0.89	90	90	104	NA	NA	NA	<1	<1	1		
C2A	5/8/2017	Mid-Ebb	Fine	Moderate	9:33	13	M	6.5	1	2																	0.37	0.47	0.42	0.014	0.017	0.015		0.37	0.41	0.04	0.82	120	120	104	NA	NA	NA	<1	<1	1	
C2A	5/8/2017	Mid-Ebb	Fine	Moderate	9:33	13	M	6.5	3	3	3	0.36	0.30	0.33	0.011	0.009	0.010	0.015	0.38	0.41	0.05	0.84	130	110	120	120	NA	NA	NA	<1	<1	1	1														
C2A	5/8/2017	Mid-Ebb	Fine	Moderate	9:33	13	B	12	1	5																	0.30	0.33	0.33	0.009	0.010	0.010		0.30	0.40	0.05	0.75	110	110	120	NA	NA	NA	<1	<1	1	
C2A	5/8/2017	Mid-Ebb	Fine	Moderate	9:33	13	B	12	2	3																	0.30	0.33	0.33	0.009	0.010	0.010		0.30	0.40	0.05	0.75	110	110	120	NA	NA	NA	<1	<1	1	
G2	5/8/2017	Mid-Ebb	Fine	Moderate	8:41	12	S	1	1	4	5	NA	NA	NA	NA	NA	NA	NA	0.04	0.54	0.09	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA														
G2	5/8/2017	Mid-Ebb	Fine	Moderate	8:41	12	S	1	2	5																	NA	NA	NA	NA	NA	NA		NA	0.01	0.55	0.10	0.66	NA	NA	NA	NA	NA	NA	NA	NA	
G2	5/8/2017	Mid-Ebb	Fine	Moderate	8:41	12	S	1	3	3																	NA	NA	NA	NA	NA	NA		NA	0.07	0.56	0.09	0.72	NA	NA	NA	NA	NA	NA	NA	NA	
G2	5/8/2017	Mid-Ebb	Fine	Moderate	8:41	12	M	6	1	6	6	NA	NA	NA	NA	NA	NA	NA	0.02	0.56	0.09	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA														
G2	5/8/2017	Mid-Ebb	Fine	Moderate	8:41	12	M	6	2	6																	NA	NA	NA	NA	NA	NA		NA	0.04	0.56	0.09	0.69	NA	NA	NA	NA	NA	NA	NA	NA	
G2	5/8/2017	Mid-Ebb	Fine	Moderate	8:41	12	M	6	3	3																	NA	NA	NA	NA	NA	NA		NA	0.06	0.56	0.08	0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	5/8/2017	Mid-Ebb	Fine	Moderate	8:41	12	B	11	1	5	6	NA	NA	NA	NA	NA	NA	NA	0.03	0.56	0.10	0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA														
G2	5/8/2017	Mid-Ebb	Fine	Moderate	8:41	12	B	11	2	6																	NA	NA	NA	NA	NA	NA		NA	0.03	0.56	0.09	0.68	NA	NA	NA	NA	NA	NA	NA	NA	
G2	5/8/2017	Mid-Ebb	Fine	Moderate	8:41	12	B	11	3	3																	NA	NA	NA	NA	NA	NA		NA	0.08	0.56	0.09	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	5/8/2017	Mid-Ebb	Fine	Moderate	8:35	9	S	1	1	5	6	0.07	0.13	0.10	0.002	0.004	0.003	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA														
SR2	5/8/2017	Mid-Ebb	Fine	Moderate	8:35	9	S	1	2	6																	0.10	0.10	0.10	0.003	0.002	0.003		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	5/8/2017	Mid-Ebb	Fine	Moderate	8:35	9	M	4.5	1	4																	0.06	0.08	0.08	0.002	0.002	0.003		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	5/8/2017	Mid-Ebb	Fine	Moderate	8:35	9	M	4.5	2	4	4	0.11	0.05	0.08	0.003	0.001	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA														
SR2	5/8/2017	Mid-Ebb	Fine	Moderate	8:35	9	B	8	1	4																	0.05	0.08	0.08	0.001	0.002	0.002		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	5/8/2017	Mid-Ebb	Fine	Moderate	8:35	9	B	8	3	3																	0.05	0.08	0.08	0.001	0.002	0.002		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	5/8/2017	Mid-Ebb	Fine	Moderate	8:48	8	S	1	1	3	3	0.08	0.05	0.07	0.002	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA														
SR3	5/8/2017	Mid-Ebb	Fine	Moderate	8:48	8	S	1	2	3																	0.05	0.07	0.07	0.002	0.002	0.002		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	5/8/2017	Mid-Ebb	Fine	Moderate	8:48	8	S	1	3	3																	0.05	0.07	0.07	0.002	0.002	0.002		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	5/8/2017	Mid-Ebb	Fine	Moderate	8:48	8	M	4	1	3	4	0.06	0.13	0.10	0.002	0.004	0.003	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA														
SR3	5/8/2017	Mid-Ebb	Fine	Moderate	8:48	8	M	4	2	4																	0.13	0.10	0.10	0.004	0.003	0.002		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	5/8/2017	Mid-Ebb	Fine	Moderate	8:48	8	M	4	3	3																	0.13	0.10	0.10	0.004	0.003	0.002		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	5/8/2017	Mid-Ebb	Fine	Moderate	8:48	8	B	7	1	6	5	0.09	0.07	0.08	0.003	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA														
SR3	5/8/2017	Mid-Ebb	Fine	Moderate	8:48	8	B	7	2	4																	0.07	0.08	0.08	0.002	0.002	0.002		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	5/8/2017	Mid-Ebb	Fine	Moderate	8:48	8	B	7	3	3																	0.07	0.08	0.08	0.002	0.002	0.002		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	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 Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.			
C1A	8/8/2017	Mid-Flood	Cloudy	Moderate	8:57	28	S	1	1	7.34																												
C1A	8/8/2017	Mid-Flood	Cloudy	Moderate	8:57	28	S	1	2	7.42	7.38	20.91	20.91	29.41	29.41	83.7	83.8	83.8	5.71	5.72	5.65	2.0	2.0	2.0	0.10	0.10	0.002	0.002	0.002	0.10	0.74	0.16	1.00					
C1A	8/8/2017	Mid-Flood	Cloudy	Moderate	8:57	28	S	1	3																													
C1A	8/8/2017	Mid-Flood	Cloudy	Moderate	8:57	28	M	14	1	7.76	7.76	21.43	21.43	29.20	29.20	81.8	81.9	81.9	5.57	5.58	5.65	2.1	2.1	2.1	0.05	0.05	0.002	0.002	0.002	0.05	0.74	0.16	0.95					
C1A	8/8/2017	Mid-Flood	Cloudy	Moderate	8:57	28	M	14	2	7.76	7.76	21.43	21.43	29.20	29.20	81.9	81.9	81.9	5.58	5.58	5.65	2.1	2.1	2.1	0.05	0.05	0.002	0.002	0.002	0.05	0.74	0.16	0.95					
C1A	8/8/2017	Mid-Flood	Cloudy	Moderate	8:57	28	M	14	3																													
C1A	8/8/2017	Mid-Flood	Cloudy	Moderate	8:57	28	B	27	1	7.71	7.71	21.59	21.59	29.16	29.16	81.0	81.1	81.1	5.51	5.52	5.65	2.1	2.1	2.1	0.05	0.05	0.002	0.002	0.002	0.05	0.73	0.16	0.94					
C1A	8/8/2017	Mid-Flood	Cloudy	Moderate	8:57	28	B	27	2	7.71	7.71	21.59	21.59	29.16	29.16	81.1	81.1	81.1	5.53	5.52	5.65	2.1	2.1	2.1	0.05	0.05	0.002	0.002	0.002	0.05	0.74	0.14	0.93					
C1A	8/8/2017	Mid-Flood	Cloudy	Moderate	8:57	28	B	27	3																													
C2A	8/8/2017	Mid-Flood	Cloudy	Moderate	6:35	13	S	1	1	7.92	7.92	26.60	26.60	27.60	27.60	76.0	76.1	76.1	5.15	5.16	5.02	0.7	0.7	0.7	0.15	0.15	0.007	0.007	0.007	0.15	0.45	0.08	0.68					
C2A	8/8/2017	Mid-Flood	Cloudy	Moderate	6:35	13	S	1	2	7.92	7.92	26.60	26.60	27.60	27.60	76.1	76.1	76.1	5.16	5.16	5.02	0.7	0.7	0.7	0.15	0.15	0.007	0.007	0.007	0.15	0.45	0.08	0.68					
C2A	8/8/2017	Mid-Flood	Cloudy	Moderate	6:35	13	S	1	3																													
C2A	8/8/2017	Mid-Flood	Cloudy	Moderate	6:35	13	M	6.5	1	7.92	7.92	27.05	27.05	27.52	27.52	71.8	71.9	71.9	4.88	4.89	5.02	0.8	0.8	0.8	0.15	0.15	0.007	0.007	0.005	0.15	0.44	0.08	0.67					
C2A	8/8/2017	Mid-Flood	Cloudy	Moderate	6:35	13	M	6.5	2	7.92	7.92	27.05	27.05	27.52	27.52	71.9	71.9	71.9	4.89	4.89	5.02	0.8	0.8	0.8	0.15	0.15	0.007	0.007	0.005	0.15	0.44	0.08	0.67					
C2A	8/8/2017	Mid-Flood	Cloudy	Moderate	6:35	13	M	6.5	3																													
C2A	8/8/2017	Mid-Flood	Cloudy	Moderate	6:35	13	B	12	1	7.87	7.87	27.33	27.33	21.43	21.43	63.1	63.2	63.2	4.28	4.29	4.36	2.2	2.2	2.2	0.10	0.10	0.003	0.003	0.003	0.10	0.44	0.08	0.62					
C2A	8/8/2017	Mid-Flood	Cloudy	Moderate	6:35	13	B	12	2	7.87	7.87	27.33	27.33	21.43	21.43	63.2	63.2	63.2	4.29	4.29	4.36	2.2	2.2	2.2	0.10	0.10	0.003	0.003	0.003	0.10	0.44	0.08	0.62					
C2A	8/8/2017	Mid-Flood	Cloudy	Moderate	6:35	13	B	12	3																													
G2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:05	12	S	1	1	7.38	7.38	27.42	27.42	27.48	27.48	68.9	68.9	68.9	4.65	4.65	4.36	1.0	1.0	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:05	12	S	1	2	7.38	7.38	27.42	27.42	27.48	27.48	68.9	68.9	68.9	4.64	4.65	4.36	1.0	1.0	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:05	12	S	1	3																													
G2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:05	12	M	6	1	7.78	7.78	28.40	28.40	27.06	27.06	59.9	60.0	60.0	4.06	4.07	4.36	1.4	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:05	12	M	6	2	7.78	7.78	28.40	28.40	27.06	27.06	59.9	60.0	60.0	4.08	4.07	4.36	1.4	1.4	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:05	12	M	6	3																													
G2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:05	12	B	11	1	7.80	7.80	28.70	28.70	26.99	26.99	59.3	59.4	59.4	4.02	4.03	4.36	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:05	12	B	11	2	7.80	7.80	28.70	28.70	26.99	26.99	59.4	59.4	59.4	4.03	4.03	4.36	1.5	1.5	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:05	12	B	11	3																													
SR2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:20	9	S	1	1	7.80	7.80	24.98	24.98	28.44	28.44	70.7	70.8	70.8	4.82	4.83	4.74	1.2	1.2	1.2	0.02	0.03	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:20	9	S	1	2	7.80	7.80	24.98	24.98	28.44	28.44	70.8	70.8	70.8	4.83	4.83	4.74	1.2	1.2	1.2	0.03	0.03	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:20	9	S	1	3																													
SR2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:20	9	M	4.5	1	7.71	7.71	28.02	28.02	27.22	27.22	68.9	68.9	68.9	4.65	4.65	4.74	1.7	1.7	1.7	0.04	0.04	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:20	9	M	4.5	2	7.71	7.71	28.02	28.02	27.22	27.22	68.9	68.9	68.9	4.64	4.65	4.74	1.7	1.7	1.7	0.04	0.04	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:20	9	B	8	1	7.78	7.78	29.56	29.56	26.64	26.64	61.2	61.3	61.3	4.15	4.16	4.36	2.0	2.0	2.0	0.04	0.04	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:20	9	B	8	2	7.78	7.78	29.56	29.56	26.64	26.64	61.3	61.3	61.3	4.16	4.16	4.36	2.0	2.0	2.0	0.04	0.04	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	8/8/2017	Mid-Flood	Cloudy	Moderate	8:20	9	B	8	3																													
SR3	8/8/2017	Mid-Flood	Cloudy	Moderate	7:48	8	S	1	1	7.57	7.57	26.13	26.13	27.76	27.76	72.7	72.8	72.8	4.92	4.93	4.79	1.0	1.0	1.0	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	8/8/2017	Mid-Flood	Cloudy	Moderate	7:48	8	S	1	2	7.57	7.57	26.13	26.13	27.76	27.76	72.8	72.8	72.8	4.93	4.93	4.79	1.0	1.0	1.0	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	8/8/2017	Mid-Flood	Cloudy	Moderate	7:48	8	S	1	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 <sub>5</sub> (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	8/8/2017	Mid-Flood	Cloudy	Moderate	7:35	4	S	1	1	2	2	0.07	0.06	0.06	0.001	0.001	0.001	NA	NA	NA	NA	NA	170	180	203	NA	NA	NA	<1	<1	1	1	
SR4	8/8/2017	Mid-Flood	Cloudy	Moderate	7:35	4	S	1	2	2		0.05	0.06	0.06	0.001	0.001	0.001	NA	NA	NA	NA	NA	190	180	203	NA	NA	NA	<1	<1	1		
SR4	8/8/2017	Mid-Flood	Cloudy	Moderate	7:35	4	S	1	3		NA		NA	0.06	NA	0.001	NA	NA	NA	NA	NA		NA	203	NA	NA	NA	NA	NA	NA	NA	1	
SR4	8/8/2017	Mid-Flood	Cloudy	Moderate	7:35	4	M	1	1				NA	0.06	NA	0.001	NA	NA	NA	NA	NA	NA		NA	203	NA	NA	NA	NA	NA	NA		
SR4	8/8/2017	Mid-Flood	Cloudy	Moderate	7:35	4	M	2	2		2		NA	0.06	NA	0.001	NA	NA	NA	NA	NA		NA	203	NA	NA	NA	NA	NA	NA	NA	1	
SR4	8/8/2017	Mid-Flood	Cloudy	Moderate	7:35	4	B	3	3				0.07	0.07	0.07	0.002	0.002	0.002	NA	NA	NA	NA	NA	210	229	203	NA	NA	NA	<1	<1		1
SR4	8/8/2017	Mid-Flood	Cloudy	Moderate	7:35	4	B	3	3		2	0.06	0.07	0.07	0.002	0.002	0.002	NA	NA	NA	NA	NA	250	229	203	NA	NA	NA	<1	<1	1		
SR5	8/8/2017	Mid-Flood	Cloudy	Moderate	8:40	11	S	1	1	5		5	NA	NA	NA	NA	NA	NA	0.02	0.73	0.16	0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	8/8/2017	Mid-Flood	Cloudy	Moderate	8:40	11	S	1	2	5			NA	NA	NA	NA	NA	NA	0.04	0.72	0.16	0.92	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	8/8/2017	Mid-Flood	Cloudy	Moderate	8:40	11	S	1	3		5	NA	NA	NA	NA	NA	NA	<0.01	0.73	0.16	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	8/8/2017	Mid-Flood	Cloudy	Moderate	8:40	11	M	5.5	1	6			NA	NA	NA	NA	NA	NA	0.02	0.73	0.15	0.90	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	8/8/2017	Mid-Flood	Cloudy	Moderate	8:40	11	M	5.5	2	4	5	NA	NA	NA	NA	NA	NA	<0.01	0.74	0.15	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	8/8/2017	Mid-Flood	Cloudy	Moderate	8:40	11	M	5.5	3				NA	NA	NA	NA	NA	NA	0.02	0.73	0.16	0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	8/8/2017	Mid-Flood	Cloudy	Moderate	8:40	11	B	10	1	4	4	NA	NA	NA	NA	NA	NA	<0.01	0.73	0.16	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	8/8/2017	Mid-Flood	Cloudy	Moderate	8:40	11	B	10	2	4			NA	NA	NA	NA	NA	NA	0.03	0.73	0.16	0.92	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	8/8/2017	Mid-Flood	Cloudy	Moderate	8:40	11	B	10	3		4	NA	NA	NA	NA	NA	NA	0.03	0.73	0.16	0.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR12	8/8/2017	Mid-Flood	Cloudy	Moderate	7:15	15	S	1	1	3		3	0.07	0.07	0.07	0.001	0.001	0.001	NA	NA	NA	NA	NA	310	325	309	NA	NA	NA	<1	<1	1	1
SR12	8/8/2017	Mid-Flood	Cloudy	Moderate	7:15	15	S	1	2	3			0.07	0.07	0.07	0.001	0.001	0.001	NA	NA	NA	NA	NA	340	325	309	NA	NA	NA	<1	<1	1	
SR12	8/8/2017	Mid-Flood	Cloudy	Moderate	7:15	15	S	1	3		4		0.06	0.07	0.09	0.002	0.002	0.002	NA	NA	NA	NA	NA	280	304	309	NA	NA	NA	<1	<1	1	1
SR12	8/8/2017	Mid-Flood	Cloudy	Moderate	7:15	15	M	7.5	1	3			0.07	0.07	0.09	0.002	0.002	0.002	NA	NA	NA	NA	NA	330	304	309	NA	NA	NA	<1	<1	1	
SR12	8/8/2017	Mid-Flood	Cloudy	Moderate	7:15	15	M	7.5	3		3		0.12	0.12	0.09	0.004	0.004	0.004	NA	NA	NA	NA	NA	310	300	309	NA	NA	NA	<1	<1	1	
SR12	8/8/2017	Mid-Flood	Cloudy	Moderate	7:15	15	B	14	1	3			0.12	0.12	0.09	0.004	0.004	0.004	NA	NA	NA	NA	NA	290	300	309	NA	NA	NA	<1	<1	1	
SR12	8/8/2017	Mid-Flood	Cloudy	Moderate	7:15	15	B	14	3		4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	8/8/2017	Mid-Flood	Cloudy	Moderate	6:50	14	S	1	1	4			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	
SR13	8/8/2017	Mid-Flood	Cloudy	Moderate	6:50	14	S	1	2	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	8/8/2017	Mid-Flood	Cloudy	Moderate	6:50	14	S	1	3				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	8/8/2017	Mid-Flood	Cloudy	Moderate	6:50	14	M	7	1	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	8/8/2017	Mid-Flood	Cloudy	Moderate	6:50	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	
SR13	8/8/2017	Mid-Flood	Cloudy	Moderate	6:50	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		
SR13	8/8/2017	Mid-Flood	Cloudy	Moderate	6:50	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	
SR13	8/8/2017	Mid-Flood	Cloudy	Moderate	6:50	14	B	13	2	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	8/8/2017	Mid-Flood	Cloudy	Moderate	6:50	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	
SR13	8/8/2017	Mid-Flood	Cloudy	Moderate	6:50	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	8/8/2017	Mid-Flood	Cloudy	Moderate	6:50	14	B	13	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.







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 <sub>5</sub> (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	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:10	28	S	1	4	4	3	0.13	0.11	0.07	0.005	0.004	0.002	0.13	0.74	0.16	1.03	1.00	26	28	57	NA	NA	NA	<1	1	1																					
C1A	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:10	28	S	1	3			0.09			0.09			0.09	0.09	0.74	0.16		0.99			54			49			51	57	NA	NA	NA	<1															
C1A	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:10	28	M	14	1			4			0.08			0.003	0.001	0.002	0.002		0.02			0.74			0.16			0.93	0.96	0.97	51	57	NA	NA	NA	<1												
C1A	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:10	28	M	14	2			3			0.02			0.05	0.07	0.001	0.002		0.002			0.02			0.74			0.16	0.98	0.96	0.97	49	51	57	NA	NA	NA	<1										
C1A	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:10	28	M	14	3	3	3	0.02	0.05	0.07	0.001	0.002	0.002	0.02	0.74	0.16	0.92	0.94	110	124	57	NA	NA	NA	<1	1	1																					
C1A	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:10	28	B	27	1			3			0.08			0.003	0.002	0.002	0.002		0.08			0.73			0.15			0.96	0.94	140	124	57	NA	NA	NA	<1												
C1A	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:10	28	B	27	2			3			0.02			0.05	0.07	0.001	0.002		0.002			0.02			0.74			0.16	0.92	0.94	110	124	57	NA	NA	NA	<1											
C1A	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:10	28	B	27	3			0.08			0.003			0.002	0.002	0.002	0.08		0.73			0.15			0.96			0.94	140	124	57	NA	NA	NA	<1													
C2A	8/8/2017	Mid-Ebb	Cloudy	Moderate	12:00	13	S	1	1	4	4	0.15	0.16	0.13	0.006	0.006	0.005	0.15	0.45	0.08	0.68	0.66	120	115	338	NA	NA	NA	1	1	1																					
C2A	8/8/2017	Mid-Ebb	Cloudy	Moderate	12:00	13	S	1	2	4		0.17			0.007			0.006	0.006	0.17	0.45		0.08			0.70			0.66			110	115	338	NA	NA	NA	1														
C2A	8/8/2017	Mid-Ebb	Cloudy	Moderate	12:00	13	S	1	3	0.08		0.005			0.005			0.005	0.08	0.44	0.08		0.60			0.65			0.64			670	695	338	NA	NA	NA	1														
C2A	8/8/2017	Mid-Ebb	Cloudy	Moderate	12:00	13	M	6.5	1	3		0.13			0.13			0.13	0.004	0.005	0.005		0.12			0.45			0.08			0.65	0.65	0.64	720	695	338	NA	NA	NA	1											
C2A	8/8/2017	Mid-Ebb	Cloudy	Moderate	12:00	13	M	6.5	3	3	3	0.12	0.13	0.13	0.004	0.004	0.004	0.12	0.44	0.08	0.64	0.62	540	482	338	NA	NA	NA	1	1	1																					
C2A	8/8/2017	Mid-Ebb	Cloudy	Moderate	12:00	13	B	12	1			3			0.10			0.12	0.12	0.004	0.004		0.004			0.10			0.44			0.08	0.62	0.62	430	482	338	NA	NA	NA	1											
C2A	8/8/2017	Mid-Ebb	Cloudy	Moderate	12:00	13	B	12	2			3			0.13			0.12	0.12	0.005	0.004		0.004			0.13			0.43			0.08	0.64	0.62	430	482	338	NA	NA	NA	1											
C2A	8/8/2017	Mid-Ebb	Cloudy	Moderate	12:00	13	B	12	3			0.07			0.45			0.08	0.60	0.62	430		482			338			NA			NA	NA	1																		
G2	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:11	12	S	1	1	2	3	NA	NA	NA	NA	NA	NA	0.04	0.50	0.09	0.63	0.64	NA	NA	NA	NA	NA	NA	NA	NA	NA																					
G2	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:11	12	S	1	2	4		NA			NA			NA	NA	NA	NA		0.06			0.50			0.09			0.65	0.64	NA	NA	NA	NA	NA	NA	NA												
G2	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:11	12	S	1	3	0.06		0.50			0.09			0.65	0.64	NA	NA		0.06			0.50			0.09			0.65	0.64	NA	NA	NA	NA	NA	NA	NA												
G2	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:11	12	M	6	1	4		NA			NA			NA	NA	NA	NA		0.08			0.50			0.09			0.67	0.66	NA	NA	NA	NA	NA	NA	NA												
G2	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:11	12	M	6	2	4	4	NA	NA	NA	NA	NA	NA	0.07	0.49	0.10	0.66	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA																					
G2	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:11	12	M	6	3	0.06		0.49			0.10			0.65	0.65	NA	NA		0.06			0.49			0.10			0.65	0.65	NA	NA	NA	NA	NA	NA	NA												
G2	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:11	12	B	11	1	4		NA			NA			NA	NA	NA	NA		0.06			0.49			0.10			0.65	0.65	NA	NA	NA	NA	NA	NA	NA												
G2	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:11	12	B	11	2	3		NA			NA			NA	NA	NA	NA		0.05			0.50			0.09			0.64	0.65	NA	NA	NA	NA	NA	NA	NA												
G2	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:11	12	B	11	3	4	4	NA	NA	NA	NA	NA	NA	0.07	0.49	0.10	0.66	0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA																					
SR2	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:52	9	S	1	1			2			0.04			0.04	0.04	0.002	0.001		0.001			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									
SR2	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:52	9	S	1	2			2			0.03					0.001						0.001			0.001			0.001	0.001		NA			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:52	9	S	1	3			0.04			0.001					0.001						0.001			0.001			0.001	0.001		NA			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:52	9	M	4.5	1	3	0.04	0.001	0.001	0.001	0.001	0.001	NA			NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA																				
SR2	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:52	9	M	4.5	2	2	3	0.04	0.04	0.04	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																					
SR2	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:52	9	B	8	1	2		0.03			0.001			0.001	0.001	0.001	0.001		NA			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR2	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:52	9	B	8	2	4		0.03			0.001			0.001	0.001	0.001	0.001		NA			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR2	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:52	9	B	8	3	0.03		0.001			0.001			0.001	0.001	0.001	0.001		NA			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	S	1	1	3	3	<0.01	0.02	0.02	0.000	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																					
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	S	1	2	3		0.03			0.001			0.001	0.001	0.001	0.001		NA			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	S	1	3	0.01		0.000			0.000			0.000	0.000	0.000	0.000		NA			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	M	4	1	4		0.01			0.000			0.000	0.000	0.000	0.000		NA			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	M	4	2	4	4	0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																					
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	M	4	3	0.01		0.000			0.000			0.000	0.000	0.000	0.000		NA			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA													
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	B	7	1	4		0.04			0.001			0.001	0.001	0.001	0.001		NA			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	B	7	2	4		0.03			0.001			0.001	0.001	0.001	0.001		NA			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	B	7	3	4	4	0.04	0.04	0.04	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																					
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	B	7	2			4			0.03			0.001	0.001	0.001	0.001		0.001			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	B	7	1			4			0.04			0.001	0.001	0.001	0.001		0.001			NA			NA			NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR3	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:31	8	B	7	2			4			0.0																																					

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 <sub>5</sub> (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	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:53	4	S	1	1	5	6	7	0.07	0.07	0.07	0.003	0.003	0.002	NA	NA	NA	NA	NA	140	159	180	NA	NA	NA	<1	<1	1	1	
SR4	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:53	4	S	1	2	6			0.07	0.07	0.07	0.003	0.003	0.002	NA	NA	NA	NA	NA	180	180	180	NA	NA	NA	<1	<1	1		
SR4	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:53	4	S	1	3											NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA
SR4	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:53	4	M			1	NA	7							NA	NA	NA	NA	NA				NA	NA	NA				1	
SR4	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:53	4	M			2										NA	NA	NA	NA	NA				NA	NA	NA				
SR4	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:53	4	M			3										NA	NA	NA	NA	NA				NA	NA	NA				
SR4	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:53	4	B	3	1	8	8	7	0.07	0.07	0.07	0.002	0.002	0.002	NA	NA	NA	NA	NA	180	203	230	NA	NA	NA	<1	<1	1	1	
SR4	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:53	4	B	3	2	7			0.06	0.07	0.06	0.002	0.002	0.002	NA	NA	NA	NA	NA	230	203	230	NA	NA	NA	<1	<1	1		
SR4	8/8/2017	Mid-Ebb	Cloudy	Moderate	10:53	4	B	3	3											NA	NA	NA	NA	NA				NA	NA	NA				
SR5	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:35	11	S	1	1	4	5	5	NA	NA	NA	NA	NA	NA	<0.01	0.73	0.16	0.89	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:35	11	S	1	2	5			NA	NA	NA	NA	NA	NA	NA	<0.01	0.73	0.16	0.89	0.89	NA	NA	NA	NA	NA	NA	NA	NA		NA
SR5	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:35	11	S	1	3											0.01	0.73	0.16	0.90	0.90	NA	NA	NA	NA	NA	NA	NA	NA		NA
SR5	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:35	11	M	5.5	1	4	5	5	NA	NA	NA	NA	NA	NA	<0.01	0.73	0.16	0.89	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:35	11	M	5.5	2	6			NA	NA	NA	NA	NA	NA	NA	0.02	0.73	0.16	0.91	0.91	NA	NA	NA	NA	NA	NA	NA	NA		NA
SR5	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:35	11	M	5.5	3											<0.01	0.73	0.16	0.89	0.89	NA	NA	NA	NA	NA	NA	NA	NA		NA
SR5	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:35	11	B	10	1	6	7	7	NA	NA	NA	NA	NA	NA	0.04	0.73	0.16	0.93	0.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:35	11	B	10	2	7			NA	NA	NA	NA	NA	NA	NA	0.03	0.73	0.16	0.92	0.92	NA	NA	NA	NA	NA	NA	NA	NA		NA
SR5	8/8/2017	Mid-Ebb	Cloudy	Moderate	9:35	11	B	10	3											<0.01	0.72	0.16	0.88	0.88	NA	NA	NA	NA	NA	NA	NA	NA		NA
SR12	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:14	15	S	1	1	3	3	3	0.08	0.08	0.08	0.003	0.003	0.003	NA	NA	NA	NA	NA	280	299	320	NA	NA	NA	<1	<1	1	1	
SR12	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:14	15	S	1	2	3			0.07	0.08	0.07	0.003	0.003	0.003	NA	NA	NA	NA	NA	320	299	320	NA	NA	NA	<1	<1	1		
SR12	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:14	15	S	1	3											NA	NA	NA	NA	NA				NA	NA	NA				
SR12	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:14	15	M	7.5	1	5	4	3	0.06	0.06	0.06	0.002	0.002	0.002	NA	NA	NA	NA	NA	410	379	350	NA	NA	NA	1	<1	1	1	
SR12	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:14	15	M	7.5	2	3			0.06	0.06	0.06	0.002	0.002	0.002	NA	NA	NA	NA	NA	350	379	350	NA	NA	NA	<1	<1	1		
SR12	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:14	15	M	7.5	3											NA	NA	NA	NA	NA				NA	NA	NA				
SR12	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:14	15	B	14	1	3	3	3	0.12	0.12	0.12	0.004	0.004	0.004	NA	NA	NA	NA	NA	350	365	380	NA	NA	NA	<1	<1	1	1	
SR12	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:14	15	B	14	2	3			0.12	0.12	0.12	0.004	0.004	0.004	NA	NA	NA	NA	NA	380	365	380	NA	NA	NA	<1	<1	1		
SR12	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:14	15	B	14	3											NA	NA	NA	NA	NA				NA	NA	NA				
SR13	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:35	14	S	1	1	3	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:35	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
SR13	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:35	14	S	1	3											NA	NA	NA	NA	NA				NA	NA	NA				
SR13	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:35	14	M	7	1	4	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:35	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	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:35	14	M	7	3											NA	NA	NA	NA	NA				NA	NA	NA				
SR13	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:35	14	B	13	1	5	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:35	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	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:35	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	8/8/2017	Mid-Ebb	Cloudy	Moderate	11:35	14	B	13	3																									

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 <sub>5</sub> (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	10/8/2017	Mid-Flood	Cloudy	Moderate	10:08	28	S	1	1	4																							
C1A	10/8/2017	Mid-Flood	Cloudy	Moderate	10:08	28	S	1	2	3																							
C1A	10/8/2017	Mid-Flood	Cloudy	Moderate	10:08	28	S	1	3																								
C1A	10/8/2017	Mid-Flood	Cloudy	Moderate	10:08	28	M	14	1	5																							
C1A	10/8/2017	Mid-Flood	Cloudy	Moderate	10:08	28	M	14	2	4																							
C1A	10/8/2017	Mid-Flood	Cloudy	Moderate	10:08	28	M	14	3																								
C1A	10/8/2017	Mid-Flood	Cloudy	Moderate	10:08	28	B	27	1	3																							
C1A	10/8/2017	Mid-Flood	Cloudy	Moderate	10:08	28	B	27	2	5																							
C1A	10/8/2017	Mid-Flood	Cloudy	Moderate	10:08	28	B	27	3																								
C2A	10/8/2017	Mid-Flood	Cloudy	Moderate	7:06	13	S	1	1	4																							
C2A	10/8/2017	Mid-Flood	Cloudy	Moderate	7:06	13	S	1	2	5																							
C2A	10/8/2017	Mid-Flood	Cloudy	Moderate	7:06	13	S	1	3																								
C2A	10/8/2017	Mid-Flood	Cloudy	Moderate	7:06	13	M	6.5	1	3																							
C2A	10/8/2017	Mid-Flood	Cloudy	Moderate	7:06	13	M	6.5	2	3																							
C2A	10/8/2017	Mid-Flood	Cloudy	Moderate	7:06	13	M	6.5	3																								
C2A	10/8/2017	Mid-Flood	Cloudy	Moderate	7:06	13	B	12	1	3																							
C2A	10/8/2017	Mid-Flood	Cloudy	Moderate	7:06	13	B	12	2	3																							
C2A	10/8/2017	Mid-Flood	Cloudy	Moderate	7:06	13	B	12	3																								
G2	10/8/2017	Mid-Flood	Cloudy	Moderate	8:58	12	S	1	1	<1																							
G2	10/8/2017	Mid-Flood	Cloudy	Moderate	8:58	12	S	1	2	2																							
G2	10/8/2017	Mid-Flood	Cloudy	Moderate	8:58	12	S	1	3																								
G2	10/8/2017	Mid-Flood	Cloudy	Moderate	8:58	12	M	6	1	2																							
G2	10/8/2017	Mid-Flood	Cloudy	Moderate	8:58	12	M	6	2	3																							
G2	10/8/2017	Mid-Flood	Cloudy	Moderate	8:58	12	M	6	3																								
G2	10/8/2017	Mid-Flood	Cloudy	Moderate	8:58	12	B	11	1	4																							
G2	10/8/2017	Mid-Flood	Cloudy	Moderate	8:58	12	B	11	2	4																							
G2	10/8/2017	Mid-Flood	Cloudy	Moderate	8:58	12	B	11	3																								
SR2	10/8/2017	Mid-Flood	Cloudy	Moderate	9:20	9	S	1	1	4																							
SR2	10/8/2017	Mid-Flood	Cloudy	Moderate	9:20	9	S	1	2	3																							
SR2	10/8/2017	Mid-Flood	Cloudy	Moderate	9:20	9	S	1	3																								
SR2	10/8/2017	Mid-Flood	Cloudy	Moderate	9:20	9	M	4.5	1	4																							
SR2	10/8/2017	Mid-Flood	Cloudy	Moderate	9:20	9	M	4.5	2	5																							
SR2	10/8/2017	Mid-Flood	Cloudy	Moderate	9:20	9	M	4.5	3																								
SR2	10/8/2017	Mid-Flood	Cloudy	Moderate	9:20	9	B	8	1	3																							
SR2	10/8/2017	Mid-Flood	Cloudy	Moderate	9:20	9	B	8	2	4																							
SR2	10/8/2017	Mid-Flood	Cloudy	Moderate	9:20	9	B	8	3																								
SR3	10/8/2017	Mid-Flood	Cloudy	Moderate	8:32	8	S	1	1	3																							
SR3	10/8/2017	Mid-Flood	Cloudy	Moderate	8:32	8	S	1	2	2																							
SR3	10/8/2017	Mid-Flood	Cloudy	Moderate	8:32	8	S	1	3																								
SR3	10/8/2017	Mid-Flood	Cloudy	Moderate	8:32	8	M	4	1	5																							
SR3	10/8/2017	Mid-Flood	Cloudy	Moderate	8:32	8	M	4	2	4																							
SR3	10/8/2017	Mid-Flood	Cloudy	Moderate	8:32	8	M	4	3																								
SR3	10/8/2017	Mid-Flood	Cloudy	Moderate	8:32	8	B	7	1	4																							
SR3	10/8/2017	Mid-Flood	Cloudy	Moderate	8:32	8	B	7	2	4																							
SR3	10/8/2017	Mid-Flood	Cloudy	Moderate	8:32	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 <sub>5</sub> (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	10/8/2017	Mid-Flood	Cloudy	Moderate	8:14	4	S	1	1	4	4	0.21	0.21	0.007	0.007	0.006	NA	NA	NA	NA	NA	8800	9047	8608	NA	NA	NA	1	1	1			
SR4	10/8/2017	Mid-Flood	Cloudy	Moderate	8:14	4	S	1	2	4		0.21	0.21	0.007	0.007	0.006	NA	NA	NA	NA	NA	9300	9047	8608	NA	NA	NA	1	1	1			
SR4	10/8/2017	Mid-Flood	Cloudy	Moderate	8:14	4	S	1	3	4		0.21	0.21	0.007	0.007	0.006	NA	NA	NA	NA	NA	9300	9047	8608	NA	NA	NA	1	1	1			
SR4	10/8/2017	Mid-Flood	Cloudy	Moderate	8:14	4	M	1	1	1	NA	0.16	0.17	0.005	0.005	0.006	NA	NA	NA	NA	NA	7800	8190	8608	NA	NA	NA	<1	<1	1			
SR4	10/8/2017	Mid-Flood	Cloudy	Moderate	8:14	4	M	1	2	1		0.16	0.17	0.005	0.005	0.006	NA	NA	NA	NA	NA	8600	8190	8608	NA	NA	NA	<1	<1	1			
SR4	10/8/2017	Mid-Flood	Cloudy	Moderate	8:14	4	M	1	3	1		0.16	0.17	0.005	0.005	0.006	NA	NA	NA	NA	NA	8600	8190	8608	NA	NA	NA	<1	<1	1			
SR4	10/8/2017	Mid-Flood	Cloudy	Moderate	8:14	4	M	1	3	3	6	0.16	0.17	0.005	0.005	0.006	NA	NA	NA	NA	NA	7800	8190	8608	NA	NA	NA	<1	<1	1			
SR4	10/8/2017	Mid-Flood	Cloudy	Moderate	8:14	4	B	3	1	6		0.18	0.17	0.006	0.006	0.005	NA	NA	NA	NA	NA	8600	8190	8608	NA	NA	NA	<1	<1	1			
SR4	10/8/2017	Mid-Flood	Cloudy	Moderate	8:14	4	B	3	3	3		0.18	0.17	0.006	0.006	0.005	NA	NA	NA	NA	NA	8600	8190	8608	NA	NA	NA	<1	<1	1			
SR5	10/8/2017	Mid-Flood	Cloudy	Moderate	9:42	11	S	1	1	5	5	NA	NA	NA	NA	0.02	0.57	0.14	0.73	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	10/8/2017	Mid-Flood	Cloudy	Moderate	9:42	11	S	1	2	5		NA	NA	NA	NA	0.02	0.57	0.14	0.73	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	10/8/2017	Mid-Flood	Cloudy	Moderate	9:42	11	S	1	3	5		NA	NA	NA	NA	<0.01	0.57	0.14	0.71	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	10/8/2017	Mid-Flood	Cloudy	Moderate	9:42	11	M	5.5	1	5	6	NA	NA	NA	NA	0.04	0.58	0.13	0.75	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	10/8/2017	Mid-Flood	Cloudy	Moderate	9:42	11	M	5.5	2	6		NA	NA	NA	NA	0.04	0.57	0.13	0.74	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	10/8/2017	Mid-Flood	Cloudy	Moderate	9:42	11	M	5.5	3	6		NA	NA	NA	NA	0.02	0.54	0.14	0.70	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	10/8/2017	Mid-Flood	Cloudy	Moderate	9:42	11	B	10	1	4	5	NA	NA	NA	NA	0.02	0.57	0.13	0.72	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	10/8/2017	Mid-Flood	Cloudy	Moderate	9:42	11	B	10	2	5		NA	NA	NA	NA	0.02	0.57	0.13	0.72	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR5	10/8/2017	Mid-Flood	Cloudy	Moderate	9:42	11	B	10	3	5		NA	NA	NA	NA	0.02	0.57	0.13	0.72	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR12	10/8/2017	Mid-Flood	Cloudy	Moderate	7:54	15	S	1	1	3	4	0.14	0.15	0.004	0.004	0.005	NA	NA	NA	NA	NA	3200	2771	1331	NA	NA	NA	<1	<1	1			
SR12	10/8/2017	Mid-Flood	Cloudy	Moderate	7:54	15	S	1	2	4		0.15	0.15	0.005	0.004	0.005	NA	NA	NA	NA	NA	2400	2771	1331	NA	NA	NA	<1	<1	1			
SR12	10/8/2017	Mid-Flood	Cloudy	Moderate	7:54	15	S	1	3	4		0.19	0.18	0.006	0.005	0.005	NA	NA	NA	NA	NA	1300	1196	1331	NA	NA	NA	<1	<1	1			
SR12	10/8/2017	Mid-Flood	Cloudy	Moderate	7:54	15	M	7.5	1	3	3	0.17	0.18	0.005	0.005	0.005	NA	NA	NA	NA	NA	1100	1196	1331	NA	NA	NA	<1	<1	1			
SR12	10/8/2017	Mid-Flood	Cloudy	Moderate	7:54	15	M	7.5	2	3		0.17	0.18	0.005	0.005	0.005	NA	NA	NA	NA	NA	1100	1196	1331	NA	NA	NA	<1	<1	1			
SR12	10/8/2017	Mid-Flood	Cloudy	Moderate	7:54	15	M	7.5	3	3		0.17	0.18	0.005	0.005	0.005	NA	NA	NA	NA	NA	1100	1196	1331	NA	NA	NA	<1	<1	1			
SR12	10/8/2017	Mid-Flood	Cloudy	Moderate	7:54	15	B	14	1	3	3	0.13	0.14	0.004	0.004	0.004	NA	NA	NA	NA	NA	780	712	1331	NA	NA	NA	<1	<1	1			
SR12	10/8/2017	Mid-Flood	Cloudy	Moderate	7:54	15	B	14	2	3		0.14	0.14	0.004	0.004	0.004	NA	NA	NA	NA	NA	650	712	1331	NA	NA	NA	<1	<1	1			
SR12	10/8/2017	Mid-Flood	Cloudy	Moderate	7:54	15	B	14	3	3		0.14	0.14	0.004	0.004	0.004	NA	NA	NA	NA	NA	650	712	1331	NA	NA	NA	<1	<1	1			
SR13	10/8/2017	Mid-Flood	Cloudy	Moderate	7:29	14	S	1	1	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	10/8/2017	Mid-Flood	Cloudy	Moderate	7:29	14	S	1	2	3		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	10/8/2017	Mid-Flood	Cloudy	Moderate	7:29	14	S	1	3	3		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	10/8/2017	Mid-Flood	Cloudy	Moderate	7:29	14	M	7	1	6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	10/8/2017	Mid-Flood	Cloudy	Moderate	7:29	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	10/8/2017	Mid-Flood	Cloudy	Moderate	7:29	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	10/8/2017	Mid-Flood	Cloudy	Moderate	7:29	14	B	13	1	9	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR13	10/8/2017	Mid-Flood	Cloudy	Moderate	7:29	14	B	13	2	11		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	10/8/2017	Mid-Flood	Cloudy	Moderate	7:29	14	B	13	3	10		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 <sub>5</sub> (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	10/8/2017	Mid-Ebb	Cloudy	Moderate	10:40	28	S	1	1	3	4	5	0.07	0.07	0.06	0.002	0.002	0.002	0.07	0.66	0.17	0.90	0.90	23	27	23	NA	NA	NA	<1																	
C1A	10/8/2017	Mid-Ebb	Cloudy	Moderate	10:40	28	S	1	2	4																	0.07	0.07	0.06	0.002	0.002	0.002	0.07	0.66	0.17	0.90	0.90	31	27	23	NA	NA	NA	<1	1		
C1A	10/8/2017	Mid-Ebb	Cloudy	Moderate	10:40	28	S	1	3																																						
C1A	10/8/2017	Mid-Ebb	Cloudy	Moderate	10:40	28	M	14	1	6																	0.05	0.05	0.06	0.001	0.001	0.002	0.05	0.67	0.17	0.89	0.89	15	16	23	NA	NA	NA	<1			
C1A	10/8/2017	Mid-Ebb	Cloudy	Moderate	10:40	28	M	14	2	7	6	5	0.05	0.05	0.06	0.001	0.001	0.002	0.05	0.67	0.17	0.89	0.89	0.90	16	23	NA	NA	NA	<1	1	1															
C1A	10/8/2017	Mid-Ebb	Cloudy	Moderate	10:40	28	M	14	3																																						
C1A	10/8/2017	Mid-Ebb	Cloudy	Moderate	10:40	28	B	27	1	5																	0.08			0.002	0.002		0.08	0.67	0.17	0.92	0.91	32	30		NA	NA	NA	<1	1		
C1A	10/8/2017	Mid-Ebb	Cloudy	Moderate	10:40	28	B	27	3	0.06																	0.07		0.002	0.002		0.06	0.67	0.17	0.90	0.91	28	30		NA	NA	NA	<1	1			
C2A	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:20	13	S	1	1	4	4	3	0.34	0.32	0.33	0.012	0.012	0.010	0.34	0.47	0.10	0.91	0.88	140	130	62	NA	NA	NA	1																	
C2A	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:20	13	S	1	2	4																	0.11	0.12		0.010	0.010		0.32	0.47	0.10	0.89	0.88	120	130		NA	NA	NA	2	2		
C2A	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:20	13	S	1	3																								0.28	0.46	0.10	0.84	0.87										
C2A	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:20	13	M	6.5	1	3																	0.40			0.014	0.010		0.40	0.47	0.10	0.97	0.87	34	39		NA	NA	NA	<1	1	1	
C2A	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:20	13	M	6.5	2	2	3	3	0.19	0.30	0.29	0.007	0.010	0.010	0.19	0.47	0.10	0.76	0.87	0.84	39	62	NA	NA	NA	<1																	
C2A	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:20	13	M	6.5	3																								0.30	0.48	0.09	0.87	0.87	42	47		NA	NA	NA	<1	1	1	
C2A	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:20	13	B	12	1	4																	0.30			0.010	0.008		0.30	0.48	0.09	0.87	0.79	42	47		NA	NA	NA	1			
C2A	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:20	13	B	12	2	3																	0.18	0.24		0.006	0.008		0.18	0.47	0.10	0.75	0.79	53	47		NA	NA	NA	1	1		
C2A	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:20	13	B	12	3								0.17	0.47	0.10	0.74	0.79																										
G2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:44	12	S	1	1	4	5	5	NA	NA	NA	NA	NA	0.08	0.64	0.15	0.87	0.88	NA	NA	NA	NA	NA	NA	NA	NA																	
G2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:44	12	S	1	2	5																NA	NA		NA	NA		0.10	0.64	0.15	0.89	0.88	NA	NA	NA	NA	NA	NA	NA	NA			
G2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:44	12	S	1	3																							0.08	0.65	0.15	0.88	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:44	12	M	6	1	4																NA	NA		NA	NA		0.09	0.65	0.16	0.90	0.92	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:44	12	M	6	2	4	4	5	NA	NA	NA	NA	NA	0.11	0.66	0.16	0.93	0.92	0.90	NA	NA	NA	NA	NA	NA	NA	NA																
G2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:44	12	M	6	3																								0.13	0.66	0.15	0.94	0.92	NA	NA	NA	NA	NA	NA	NA	NA		
G2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:44	12	B	11	1	6																	NA	NA		NA	NA		0.08	0.65	0.16	0.89	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:44	12	B	11	2	5																	NA	NA		NA	NA		0.08	0.65	0.16	0.89	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:44	12	B	11	3								0.09	0.66	0.15	0.90	0.89	NA	NA	NA	NA	NA	NA	NA	NA	NA																	
SR2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:23	9	S	1	1	4	4	5	0.16	0.08	0.12	0.005	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																
SR2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:23	9	S	1	2	4																	0.15	0.15		0.005	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:23	9	M	4.5	1	6																	0.14	0.15		0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:23	9	M	4.5	2	4																	0.16	0.15		0.005	0.004	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:23	9	B	8	1	5	5	5	0.14	0.15	0.15	0.005	0.004	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																
SR2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:23	9	B	8	2	4																	0.14	0.15		0.004	0.005	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:23	9	B	8	3																								NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:23	9	B	8	4																								NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:06	8	S	1	1	4	4	4	0.06	0.05	0.06	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																
SR3	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:06	8	S	1	2	4																	0.05	0.06		0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:06	8	S	1	3																								NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:06	8	M	4	1	5																	0.05	0.05		0.001	0.001	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:06	8	M	4	2	3	4	4	0.05	0.05	0.06	0.001	0.001	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																
SR3	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:06	8	M	4	3																								NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:06	8	B	7	1	6																	0.06			0.002	0.002		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:06	8	B	7	2	4																	0.06	0.06		0.002	0.002		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:06	8	B	7	3								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 <sub>5</sub> (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	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:27	4	S	1	1	7	7	0.20	0.20	0.17	0.006	0.006	0.005	NA	NA	NA	NA	NA	8800	8178	8600	NA	NA	NA	1	2	1								
SR4	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:27	4	S	1	2	7		0.19			0.006			NA	NA	NA	NA		NA		NA	NA	NA	NA	7600			NA	NA	NA	NA	NA	NA	NA	NA
SR4	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:27	4	S	1	3	7		NA			NA			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA			NA	NA	NA	NA	NA	NA	NA	NA
SR4	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:27	4	M	1	1	7	NA	NA	NA	0.17	NA	NA	0.005	NA	NA	NA	NA	NA	NA	NA	8600	NA	NA	NA	NA	NA	NA								
SR4	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:27	4	M	1	2	7		NA			NA			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:27	4	M	1	3	7		NA			NA			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:27	4	B	3	1	7	7	0.14	0.15	0.17	0.004	0.005	0.005	NA	NA	NA	NA	NA	9400	9043	8600	NA	NA	NA	1	1	1								
SR4	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:27	4	B	3	2	7		0.16			0.005			NA	NA	NA	NA		NA		NA	NA	NA	NA	8700			NA	NA	NA	NA	NA	NA	NA	NA
SR4	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:27	4	B	3	3	7		NA			NA			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA			NA	NA	NA	NA	NA	NA	NA	NA
SR5	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:02	11	S	1	1	3	4	NA	NA	NA	NA	NA	0.005	0.02	0.56	0.14	0.72	0.75	NA	NA	8600	NA	NA	NA	NA	NA	NA								
SR5	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:02	11	S	1	2	5		NA			NA			NA	NA	NA	NA		0.10		0.56	0.14	0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:02	11	S	1	3	5		NA			NA			NA	NA	NA	NA		0.03		0.57	0.13	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:02	11	M	5.5	1	3	4	NA	NA	NA	NA	NA	NA	0.04	0.57	0.13	0.74	0.74	NA	NA	8600	NA	NA	NA	NA	NA	NA								
SR5	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:02	11	M	5.5	2	4		NA			NA			NA	NA	NA	NA		0.04		0.57	0.13	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:02	11	M	5.5	3	4		NA			NA			NA	NA	NA	NA		0.05		0.57	0.12	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:02	11	B	10	1	7	7	NA	NA	NA	NA	NA	0.005	0.01	0.57	0.13	0.71	0.72	NA	NA	8600	NA	NA	NA	NA	NA	NA								
SR5	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:02	11	B	10	2	7		NA			NA			NA	NA	NA	NA		0.03		0.57	0.13	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	10/8/2017	Mid-Ebb	Cloudy	Moderate	11:02	11	B	10	3	7		NA			NA			NA	NA	NA	NA		0.03		0.56	0.13	0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR12	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:45	15	S	1	1	6	6	0.17	0.18	0.15	0.005	0.005	0.004	NA	NA	NA	NA	NA	5400	5038	5503	NA	NA	NA	<1	1	1								
SR12	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:45	15	S	1	2	5		0.18			0.005			NA	NA	NA	NA		NA		NA	NA	NA	NA	4700			NA	NA	NA	NA	NA	NA	NA	NA
SR12	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:45	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
SR12	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:45	15	M	7.5	1	5	6	0.17	0.16	0.15	0.005	0.005	0.005	NA	NA	NA	NA	NA	3800	3995	5503	NA	NA	NA	<1	1	1								
SR12	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:45	15	M	7.5	2	6		0.15			0.005			NA	NA	NA	NA		NA		NA	NA	NA	NA	4200			NA	NA	NA	NA	NA	NA	NA	NA
SR12	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:45	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
SR12	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:45	15	B	14	1	9	9	0.11	0.10	0.15	0.003	0.003	0.003	NA	NA	NA	NA	NA	7700	8278	8600	NA	NA	NA	<1	1	1								
SR12	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:45	15	B	14	2	9		0.09			0.003			NA	NA	NA	NA		NA		NA	NA	NA	NA	8900			NA	NA	NA	NA	NA	NA	NA	NA
SR12	10/8/2017	Mid-Ebb	Cloudy	Moderate	12:45	15	B	14	3	9		NA			NA			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA			NA	NA	NA	NA	NA	NA	NA	NA
SR13	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:02	14	S	1	1	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8600	NA	NA	NA	NA	NA	NA								
SR13	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:02	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	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:02	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		
SR13	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:02	14	M	7	1	7	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8600	NA	NA	NA	NA	NA	NA								
SR13	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:02	14	M	7	2	9		NA			NA			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:02	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	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:02	14	B	13	1	8	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8600	NA	NA	NA	NA	NA	NA								
SR13	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:02	14	B	13	2	9		NA			NA			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	10/8/2017	Mid-Ebb	Cloudy	Moderate	13:02	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 <sub>5</sub> (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	12/8/2017	Mid-Flood	Fine	Moderate	9:42	4	S	1	1	3	3	4	<0.01	0.01	0.03	0.000	0.000	0.001	NA	NA	NA	NA	NA	NA	320	379	428	NA	NA	NA	<1	<1	1	1									
SR4	12/8/2017	Mid-Flood	Fine	Moderate	9:42	4	S	1	2	3			<0.01	0.01		0.000	0.000		NA	NA	NA	NA			NA	NA		NA	NA		450	484	NA		NA	NA	<1	<1	1				
SR4	12/8/2017	Mid-Flood	Fine	Moderate	9:42	4	S	1	3																																		
SR4	12/8/2017	Mid-Flood	Fine	Moderate	9:42	4	M		1		NA	4		NA	0.03		NA	0.001	NA	NA	NA	NA	NA	NA		NA	428	NA	NA	NA			NA	1									
SR4	12/8/2017	Mid-Flood	Fine	Moderate	9:42	4	M		2																																		
SR4	12/8/2017	Mid-Flood	Fine	Moderate	9:42	4	M		3																																		
SR4	12/8/2017	Mid-Flood	Fine	Moderate	9:42	4	B	3	1	4	5	6	0.06	0.05	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	450	484	NA	NA	NA	NA	<1	<1	1	1									
SR4	12/8/2017	Mid-Flood	Fine	Moderate	9:42	4	B	3	2	5			0.04	0.05		0.001	0.002		NA	NA	NA	NA			NA	NA		NA	NA		520	484	NA		NA	NA	<1	<1	1				
SR4	12/8/2017	Mid-Flood	Fine	Moderate	9:42	4	B	3	3	3																																	
SR5	12/8/2017	Mid-Flood	Cloudy	Smooth	10:57	11	S	1	1	4	5	6	NA	NA	NA	NA	NA	NA	<0.01	0.68	0.21	0.89	0.89	0.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									
SR5	12/8/2017	Mid-Flood	Cloudy	Smooth	10:57	11	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		
SR5	12/8/2017	Mid-Flood	Cloudy	Smooth	10:57	11	S	1	3																																		
SR5	12/8/2017	Mid-Flood	Cloudy	Smooth	10:57	11	M	5.5	1	7	7	6	NA	NA	NA	NA	NA	NA	<0.01	0.67	0.22	0.89	0.89	0.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR5	12/8/2017	Mid-Flood	Cloudy	Smooth	10:57	11	M	5.5	2	6			NA	NA		NA	NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	12/8/2017	Mid-Flood	Cloudy	Smooth	10:57	11	M	5.5	3																																		
SR5	12/8/2017	Mid-Flood	Cloudy	Smooth	10:57	11	B	10	1	6	6	6	NA	NA	NA	NA	NA	NA	<0.01	0.68	0.22	0.90	0.90	0.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR5	12/8/2017	Mid-Flood	Cloudy	Smooth	10:57	11	B	10	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	
SR5	12/8/2017	Mid-Flood	Cloudy	Smooth	10:57	11	B	10	3																																		
SR12	12/8/2017	Mid-Flood	Fine	Moderate	9:17	15	S	1	1	7	7	7	0.04	0.05	0.11	0.001	0.001	0.003	NA	NA	NA	NA	NA	NA	120	130	163	NA	NA	NA	<1	<1	1	1									
SR12	12/8/2017	Mid-Flood	Fine	Moderate	9:17	15	S	1	2	7			0.06	0.05		0.001	0.001		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	
SR12	12/8/2017	Mid-Flood	Fine	Moderate	9:17	15	S	1	3																																		
SR12	12/8/2017	Mid-Flood	Fine	Moderate	9:17	15	M	7.5	1	6	7	7	0.13	0.09	0.11	0.004	0.003	0.003	NA	NA	NA	NA	NA	NA	190	209	163	NA	NA	NA	<1	<1	1	1									
SR12	12/8/2017	Mid-Flood	Fine	Moderate	9:17	15	M	7.5	2	7			0.05	0.09		0.002	0.003		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	12/8/2017	Mid-Flood	Fine	Moderate	9:17	15	M	7.5	3																																		
SR12	12/8/2017	Mid-Flood	Fine	Moderate	9:17	15	B	14	1	7	7	7	0.16	0.18	0.11	0.005	0.005	0.003	NA	NA	NA	NA	NA	NA	150	160	163	NA	NA	NA	<1	<1	1	1									
SR12	12/8/2017	Mid-Flood	Fine	Moderate	9:17	15	B	14	2	7			0.19	0.18		0.006	0.005		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	12/8/2017	Mid-Flood	Fine	Moderate	9:17	15	B	14	3																																		
SR13	12/8/2017	Mid-Flood	Fine	Moderate	8:55	14	S	1	1	4	4	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	12/8/2017	Mid-Flood	Fine	Moderate	8:55	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	
SR13	12/8/2017	Mid-Flood	Fine	Moderate	8:55	14	S	1	3																																		
SR13	12/8/2017	Mid-Flood	Fine	Moderate	8:55	14	M	7	1	6	6	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	12/8/2017	Mid-Flood	Fine	Moderate	8:55	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	NA	NA	NA	NA	
SR13	12/8/2017	Mid-Flood	Fine	Moderate	8:55	14	M	7	3																																		
SR13	12/8/2017	Mid-Flood	Fine	Moderate	8:55	14	B	13	1	7	6	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	12/8/2017	Mid-Flood	Fine	Moderate	8:55	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	NA	NA	NA	NA	NA
SR13	12/8/2017	Mid-Flood	Fine	Moderate	8:55	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	NA	NA	NA	NA	NA
SR13	12/8/2017	Mid-Flood	Fine	Moderate	8:55	14	B	13	3																																		

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 Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.	Depth Ave.		
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	S	1	1	7.68																											
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	S	1	2	7.68	7.68	22.02	22.02	28.53	28.53	28.53	73.8	73.9	73.9	5.07	5.08		3.7	3.8	3.8		0.05	0.05		0.001	0.001		0.05	0.73	0.20	0.98	0.98
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	S	1	3																												
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	M	14	1	7.69	7.69	23.78	23.78	28.04	28.04	28.04	68.4	68.5	68.5	4.69	4.68	4.69	3.6	3.7	3.7	3.6	0.10	0.10	0.07	0.003	0.003	0.002	0.10	0.73	0.19	1.02	
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	M	14	2	7.69	7.69	23.78	23.78	28.04	28.04	28.04	68.5	68.5	68.5	4.68	4.69		3.7	3.7	3.6	0.10	0.10	0.07	0.003	0.003	0.002	0.10	0.74	0.19	1.03	1.00	
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	M	14	3																												
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	B	27	1	7.70	7.70	24.48	24.48	27.84	27.84	27.84	66.6	66.7	66.7	4.54	4.55		3.4	3.5	3.5		0.05	0.05		0.001	0.001		0.05	0.74	0.19	0.98	0.98
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	B	27	2	7.70																											
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	B	27	3																												
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	S	1	1	7.87	7.87	28.37	28.37	26.82	26.82	26.82	61.6	61.5	61.5	4.20	4.15		3.4	3.3	3.4		0.05	0.05		0.002	0.002		0.05	0.41	0.09	0.55	0.55
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	S	1	2	7.87	7.87	28.37	28.37	26.82	26.82	26.82	61.5	61.5	61.5	4.10	4.15		3.3	3.3	3.4		0.05	0.05		0.002	0.002		0.05	0.40	0.10	0.55	0.55
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	S	1	3																												
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	M	6.5	1	7.82	7.82	28.82	28.82	26.76	26.76	26.76	58.9	58.8	58.8	4.01	4.01		3.3	3.2	3.3		0.15	0.15	0.12	0.005	0.005	0.004	0.15	0.40	0.09	0.64	0.64
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	M	6.5	2	7.82	7.82	28.82	28.82	26.76	26.76	26.76	58.8	58.8	58.8	4.00	4.01		3.2	3.2	3.3		0.15	0.15	0.12	0.005	0.005	0.004	0.15	0.41	0.09	0.65	0.64
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	M	6.5	3																												
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	B	12	1	7.81	7.81	29.26	29.26	26.67	26.67	26.67	57.6	57.5	57.5	3.92	3.92		3.8	3.9	3.9		0.15	0.15		0.005	0.005		0.15	0.40	0.10	0.65	0.65
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	B	12	2	7.81	7.81	29.26	29.26	26.67	26.67	26.67	57.5	57.5	57.5	3.91	3.92		3.9	3.9	3.9		0.15	0.15		0.005	0.005		0.15	0.41	0.10	0.66	0.65
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	B	12	3																												
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	S	1	1	7.67	7.67	23.88	23.88	28.02	28.02	28.02	66.4	66.5	66.5	4.51	4.52	4.52	2.6	2.7	2.7		NA	NA		NA	NA		0.03	0.65	0.19	0.87	0.87
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	S	1	2	7.67	7.67	23.88	23.88	28.02	28.02	28.02	66.5	66.5	66.5	4.52	4.52	4.52	2.7	2.7	2.7		NA	NA		NA	NA		0.03	0.66	0.18	0.87	0.87
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	S	1	3																												
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	M	6	1	7.70	7.70	26.74	26.74	27.15	27.15	27.15	59.3	59.4	59.4	4.05	4.06	4.06	1.8	1.9	1.9		NA	NA	NA	NA	NA	NA	0.01	0.65	0.19	0.85	0.85
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	M	6	2	7.70	7.70	26.74	26.74	27.15	27.15	27.15	59.4	59.4	59.4	4.06	4.06	4.06	1.9	1.9	1.9		NA	NA	NA	NA	NA	NA	0.01	0.67	0.17	0.85	0.85
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	M	6	3																												
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	B	11	1	7.73	7.73	28.51	28.51	26.60	26.60	26.60	54.7	54.8	54.8	3.74	3.75	3.75	2.6	2.7	2.7		NA	NA		NA	NA		0.01	0.65	0.18	0.84	0.85
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	B	11	2	7.73	7.73	28.51	28.51	26.60	26.60	26.60	54.8	54.8	54.8	3.75	3.75	3.75	2.7	2.7	2.7		NA	NA		NA	NA		0.01	0.65	0.18	0.84	0.85
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	B	11	3																												
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	S	1	1	7.64	7.64	24.52	24.52	27.84	27.84	27.84	70.8	70.9	70.9	4.92	4.93	4.93	2.5	2.4	2.5		0.10	0.10		0.002	0.002		NA	NA	NA	NA	NA
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	S	1	2	7.64	7.64	24.52	24.52	27.84	27.84	27.84	70.9	70.9	70.9	4.93	4.93	4.93	2.4	2.4	2.5		0.10	0.10		0.002	0.002		NA	NA	NA	NA	NA
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	S	1	3																												
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	M	4.5	1	7.70	7.70	27.91	27.91	26.81	26.81	26.81	64.8	64.7	64.7	4.44	4.44	4.44	3.0	2.9	3.0		0.02	0.03	0.03	0.001	0.001	0.001	NA	NA	NA	NA	NA
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	M	4.5	2	7.70	7.70	27.90	27.91	26.81	26.81	26.81	64.7	64.7	64.7	4.43	4.44	4.44	2.9	2.9	3.0		0.03	0.03	0.03	0.001	0.001	0.001	NA	NA	NA	NA	NA
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	M	4.5	3																												
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	B	8	1	7.72	7.72	28.71	28.71	26.51	26.51	26.51	60.8	60.9	60.9	4.16	4.17	4.17	2.8	2.6	2.7		0.05	0.05		0.001	0.001		NA	NA	NA	NA	NA
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	B	8	2	7.72	7.72	28.71	28.71	26.51	26.51	26.51	60.9	60.9	60.9	4.17	4.17	4.17	2.6	2.6	2.7		0.05	0.05		0.001	0.001		NA	NA	NA	NA	NA
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	B	8	3																												
SR3	12/8/2017	Mid-Ebb	Fine	Smooth	13:36	8	S	1	1	7.66	7.66	22.95	22.95	28.31	28.31	28.31	70.6	70.7	70.7	4.84	4.85	4.85	2.3	2.4	2.4		0.01	0.01		0.000	0.000		NA	NA	NA	NA	NA
SR3	12/8/2017	Mid-Ebb	Fine	Smooth	13:36	8	S	1	2	7.66	7.66	22.95	22.95	28.31	28.31	28.31	70.7	70.7	70.7	4.85	4.85	4.85	2.4	2.4	2.4		0.01	0.01		0.0							





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 <sub>5</sub> (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	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	S	1	1	5	4	6	0.06	0.05	0.06	0.002	0.001	0.002	0.06	0.73	0.20	0.99	0.97	210	247	287	NA	NA	NA	<1	1	1							
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	S	1	2	3			0.03			0.001			0.03	0.72	0.20	0.95		290		NA	NA		<1										
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	S	1	3				0.03			0.73			0.22	0.98																			
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	M	14	1	5	6	6	0.09	0.08	0.06	0.003	0.002	0.002	0.09	0.73	0.19	1.01	0.98	150	169	287	NA	NA	NA	<1	1	1							
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	M	14	2	6			0.06			0.002			0.06	0.74	0.19	0.99		190		NA	NA		<1										
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	M	14	3				0.02			0.73			0.20	0.95																			
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	B	27	1	9	8	5	0.05	0.05	0.06	0.001	0.001	0.001	0.05	0.74	0.19	0.98	0.98	450	569	287	NA	NA	NA	<1	1	1							
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	B	27	2	7			0.05			0.001			0.05	0.75	0.18	0.98		720		NA	NA		<1										
C1A	12/8/2017	Mid-Ebb	Cloudy	Smooth	12:10	28	B	27	3				0.06			0.73			0.20	0.99																			
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	S	1	1	3	4	5	0.06	0.06	0.12	0.002	0.002	0.004	0.06	0.41	0.09	0.56	0.56	320	362	197	NA	NA	NA	<1	1	1							
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	S	1	2	4			0.06			0.002			0.06	0.40	0.10	0.56		410		NA	NA		<1										
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	S	1	3				0.05			0.42			0.09	0.56																			
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	M	6.5	1	6	5	5	0.15	0.15	0.12	0.005	0.005	0.004	0.15	0.40	0.09	0.64	0.64	150	140	197	NA	NA	NA	<1	1	1							
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	M	6.5	2	4			0.14			0.005			0.14	0.41	0.09	0.64		130		NA	NA		<1										
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	M	6.5	3				0.15			0.39			0.10	0.64																			
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	B	12	1	5	6	6	0.14	0.15	0.12	0.005	0.005	0.005	0.14	0.40	0.10	0.64	0.63	120	151	197	NA	NA	NA	<1	1	1							
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	B	12	2	6			0.16			0.005			0.16	0.41	0.10	0.67		190		NA	NA		<1										
C2A	12/8/2017	Mid-Ebb	Fine	Moderate	15:00	13	B	12	3				0.08			0.41			0.09	0.58																			
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	S	1	1	4	4	5	NA	NA	NA	NA	NA	NA	0.03	0.65	0.19	0.87	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA							
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	S	1	2	3			NA			NA			NA	0.05	0.66	0.18		0.89		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	S	1	3				0.02			0.65			0.20	0.87																			
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	M	6	1	7	6	6	NA	NA	NA	NA	NA	NA	0.01	0.65	0.19	0.85	0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA							
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	M	6	2	5			NA			NA			NA	0.03	0.67	0.17		0.87		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	M	6	3				0.02			0.65			0.18	0.85																			
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	B	11	1	6	6	6	NA	NA	NA	NA	NA	NA	0.02	0.64	0.19	0.85	0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA							
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	B	11	2	5			NA			NA			NA	0.05	0.65	0.18		0.88		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	12/8/2017	Mid-Ebb	Fine	Smooth	13:20	12	B	11	3				<0.01			0.65			0.21	0.86																			
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	S	1	1	6	6	7	0.01	0.07	0.04	0.000	0.002	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	S	1	2	5			0.12			0.003			0.001	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	S	1	3				0.02			0.001			0.001	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	M	4.5	1	6	7	7	0.02	0.03	0.04	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	M	4.5	2	7			0.03			0.001			0.001	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	B	8	1	9			0.05			0.001			0.001	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	B	8	2	9	9	9	0.03	0.04	0.04	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	B	8	3				0.03			0.001			0.001	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	12/8/2017	Mid-Ebb	Cloudy	Smooth	13:10	9	B	8	3				0.03			0.001			0.001	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	12/8/2017	Mid-Ebb	Fine	Smooth	13:36	8	S	1	1	6	5	6	<0.01	0.02	0.04	0.000	0.000	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR3	12/8/2017	Mid-Ebb	Fine	Smooth	13:36	8	S	1	2	4			0.02			0.001			0.001	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	12/8/2017	Mid-Ebb	Fine	Smooth	13:36	8	S	1	3				0.02			0.001			0.001	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	12/8/2017	Mid-Ebb	Fine	Smooth	13:36	8	M	4	1	6	7	6	0.07	0.07	0.04	0.002	0.002	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR3	12/8/2017	Mid-Ebb	Fine	Smooth	13:36	8	M	4	2	7			0.06			0.002			0.002	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	12/8/2017	Mid-Ebb	Fine	Smooth	13:36	8	M	4	3				0.06			0.002			0.002	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	12/8/2017	Mid-Ebb	Fine	Smooth	13:36	8	B	7	1	7	7	7	0.04	0.03	0.04	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
SR3	12/8/2017	Mid-Ebb	Fine	Smooth	13:36	8	B	7	2	7			0.02			0.001			0.001	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	12/8/2017	Mid-Ebb	Fine	Smooth	13:36	8	B	7	3				0.02			0.001			0.001	NA	NA	NA		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 <sub>5</sub> (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	15/8/2017	Mid-Flood	Fine	Moderate	14:58	28	S	1	1	6	7	<0.01	0.01	0.01	0.000	0.000	0.000	<0.01	0.98	0.20	1.18	1.18	ND	ND	1	NA	NA	NA	<1	<1	1	1	
C1A	15/8/2017	Mid-Flood	Fine	Moderate	14:58	28	S	1	2	8		<0.01	0.01		0.000	0.000		<0.01	0.97	0.20	1.17		5	8	6	5	NA	NA	NA	1	1		1
C1A	15/8/2017	Mid-Flood	Fine	Moderate	14:58	28	S	1	3			<0.01	0.01		0.000	0.000		<0.01	0.98	0.20	1.18		8	6	5	NA	NA	NA	2	2	2		
C1A	15/8/2017	Mid-Flood	Fine	Moderate	14:58	28	M	14	1	8	8	<0.01	0.01	0.01	0.000	0.000	0.000	<0.01	0.97	0.20	1.17	1.17	5	8	6	5	NA	NA	NA	1	1	1	
C1A	15/8/2017	Mid-Flood	Fine	Moderate	14:58	28	M	14	2	7		<0.01	0.01		0.000	0.000		<0.01	0.96	0.20	1.16		8	6	5	NA	NA	NA	2	2	2		
C1A	15/8/2017	Mid-Flood	Fine	Moderate	14:58	28	M	14	3			<0.01	0.01		0.000	0.000		<0.01	0.97	0.20	1.17		15	18	16	5	NA	NA	NA	2	2	2	
C1A	15/8/2017	Mid-Flood	Fine	Moderate	14:58	28	B	27	1	7	7	<0.01	0.01	0.01	0.000	0.000	0.000	<0.01	0.95	0.19	1.14	1.14	15	18	16	5	NA	NA	NA	1	1	1	
C1A	15/8/2017	Mid-Flood	Fine	Moderate	14:58	28	B	27	2	6		<0.01	0.01		0.000	0.000		<0.01	0.95	0.19	1.14		15	18	16	5	NA	NA	NA	2	2	2	
C1A	15/8/2017	Mid-Flood	Fine	Moderate	14:58	28	B	27	3			<0.01	0.01		0.000	0.000		<0.01	0.95	0.19	1.14		15	18	16	5	NA	NA	NA	1	1	1	
C2A	15/8/2017	Mid-Flood	Fine	Moderate	12:00	13	S	1	1	7	8	<0.01	0.01	0.01	0.000	0.000	0.000	<0.01	0.37	0.09	0.46	0.46	ND	ND	1	NA	NA	NA	1	1	1		
C2A	15/8/2017	Mid-Flood	Fine	Moderate	12:00	13	S	1	2	8		<0.01	0.01		0.000	0.000		<0.01	0.37	0.09	0.46		ND	ND	1	NA	NA	NA	1	1	1		
C2A	15/8/2017	Mid-Flood	Fine	Moderate	12:00	13	S	1	3			<0.01	0.01		0.000	0.000		<0.01	0.38	0.08	0.46		ND	ND	1	NA	NA	NA	2	2	2		
C2A	15/8/2017	Mid-Flood	Fine	Moderate	12:00	13	M	6.5	1	9	9	0.03	0.02	0.02	0.002	0.001	0.001	0.03	0.38	0.09	0.50	0.49	ND	ND	1	NA	NA	NA	3	3	3		
C2A	15/8/2017	Mid-Flood	Fine	Moderate	12:00	13	M	6.5	2	8		<0.01	0.02		0.001	0.001		<0.01	0.38	0.09	0.47		ND	ND	1	NA	NA	NA	3	3	3		
C2A	15/8/2017	Mid-Flood	Fine	Moderate	12:00	13	M	6.5	3			0.03	0.04		0.001	0.001		0.02	0.38	0.09	0.49		ND	ND	1	NA	NA	NA	3	3	3		
C2A	15/8/2017	Mid-Flood	Fine	Moderate	12:00	13	B	12	1	7	7	0.03	0.04	0.04	0.001	0.001	0.001	0.03	0.40	0.08	0.51	0.51	ND	ND	1	NA	NA	NA	3	3	3		
C2A	15/8/2017	Mid-Flood	Fine	Moderate	12:00	13	B	12	2	7		0.04	0.04		0.001	0.001		0.04	0.38	0.09	0.51		ND	ND	1	NA	NA	NA	3	3	3		
C2A	15/8/2017	Mid-Flood	Fine	Moderate	12:00	13	B	12	3			0.04	0.04		0.001	0.001		0.03	0.39	0.09	0.51		ND	ND	1	NA	NA	NA	3	3	3		
G2	15/8/2017	Mid-Flood	Fine	Moderate	13:52	12	S	1	1	6	6	NA	NA	NA	NA	NA	NA	<0.01	0.80	0.18	0.98	0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	15/8/2017	Mid-Flood	Fine	Moderate	13:52	12	S	1	2	5		NA	NA		NA	NA		<0.01	0.82	0.17	0.99		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	15/8/2017	Mid-Flood	Fine	Moderate	13:52	12	S	1	3			NA	NA		NA	NA		<0.01	0.81	0.17	0.98		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	15/8/2017	Mid-Flood	Fine	Moderate	13:52	12	M	6	1	6	6	NA	NA	NA	NA	NA	NA	<0.01	0.81	0.17	0.98	0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	15/8/2017	Mid-Flood	Fine	Moderate	13:52	12	M	6	2	5		NA	NA		NA	NA		<0.01	0.81	0.17	0.98		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	15/8/2017	Mid-Flood	Fine	Moderate	13:52	12	M	6	3			NA	NA		NA	NA		<0.01	0.80	0.17	0.97		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	15/8/2017	Mid-Flood	Fine	Moderate	13:52	12	B	11	1	8	8	NA	NA	NA	NA	NA	NA	<0.01	0.80	0.18	0.98	0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	15/8/2017	Mid-Flood	Fine	Moderate	13:52	12	B	11	2	8		NA	NA		NA	NA		<0.01	0.81	0.17	0.98		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	15/8/2017	Mid-Flood	Fine	Moderate	13:52	12	B	11	3			NA	NA		NA	NA		<0.01	0.81	0.17	0.98		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	15/8/2017	Mid-Flood	Fine	Moderate	14:07	9	S	1	1	4	4	<0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	15/8/2017	Mid-Flood	Fine	Moderate	14:07	9	S	1	2	4		<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	15/8/2017	Mid-Flood	Fine	Moderate	14:07	9	S	1	3			<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	15/8/2017	Mid-Flood	Fine	Moderate	14:07	9	M	4.5	1	4	5	<0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	15/8/2017	Mid-Flood	Fine	Moderate	14:07	9	M	4.5	2	5		<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	15/8/2017	Mid-Flood	Fine	Moderate	14:07	9	M	4.5	3			<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	15/8/2017	Mid-Flood	Fine	Moderate	14:07	9	B	8	1	5	5	0.01	0.02	0.02	0.000	0.001	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	15/8/2017	Mid-Flood	Fine	Moderate	14:07	9	B	8	2	4		0.02	0.02		0.001	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	15/8/2017	Mid-Flood	Fine	Moderate	14:07	9	B	8	3			0.02	0.02		0.001	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	15/8/2017	Mid-Flood	Fine	Moderate	13:36	8	S	1	1	2	3	<0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	15/8/2017	Mid-Flood	Fine	Moderate	13:36	8	S	1	2	4		<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	15/8/2017	Mid-Flood	Fine	Moderate	13:36	8	S	1	3			<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	15/8/2017	Mid-Flood	Fine	Moderate	13:36	8	M	4	1	5	5	<0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	15/8/2017	Mid-Flood	Fine	Moderate	13:36	8	M	4	2	4		<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	15/8/2017	Mid-Flood	Fine	Moderate	13:36	8	M	4	3			<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	15/8/2017	Mid-Flood	Fine	Moderate	13:36	8	B	7	1	6	7	<0.01	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	15/8/2017	Mid-Flood	Fine	Moderate	13:36	8	B	7	2	8		<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	15/8/2017	Mid-Flood	Fine	Moderate	13:36	8	B	7	3			<0.01	0.01		0.000	0.000		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 <sub>5</sub> (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	15/8/2017	Mid-Ebb	Fine	Moderate	15:40	28	S	1	4	4	<0.01	<0.01	0.000	0.000	0.000	<0.01	0.97	0.20	1.17	5	8	6	NA	NA	NA	<1	<1	1	1				
C1A	15/8/2017	Mid-Ebb	Fine	Moderate	15:40	28	S	1	2		4	<0.01	0.01	0.000	0.000	0.000	<0.01	0.98	0.20	1.18	8	6	NA	NA	NA	<1	<1	1					
C1A	15/8/2017	Mid-Ebb	Fine	Moderate	15:40	28	S	1	3		4	<0.01	0.01	0.000	0.000	0.000	<0.01	0.96	0.20	1.16	5	8	6	NA	NA	NA	<1	<1		1			
C1A	15/8/2017	Mid-Ebb	Fine	Moderate	15:40	28	M	14	1		5	<0.01	0.01	0.000	0.000	0.000	<0.01	0.97	0.20	1.17	5	8	6	NA	NA	NA	<1	<1		1			
C1A	15/8/2017	Mid-Ebb	Fine	Moderate	15:40	28	M	14	2	3	<0.01	0.01	0.000	0.000	0.000	<0.01	0.95	0.19	1.14	8	6	8	NA	NA	NA	1	1	1					
C1A	15/8/2017	Mid-Ebb	Fine	Moderate	15:40	28	M	14	3	4	<0.01	0.01	0.000	0.000	0.000	<0.01	0.96	0.20	1.16	12	11	11	NA	NA	NA	1	1	1					
C1A	15/8/2017	Mid-Ebb	Fine	Moderate	15:40	28	B	27	1	5	<0.01	0.01	0.000	0.000	0.000	<0.01	0.95	0.19	1.14	12	11	11	NA	NA	NA	1	1	1					
C1A	15/8/2017	Mid-Ebb	Fine	Moderate	15:40	28	B	27	2	3	<0.01	0.01	0.000	0.000	0.000	<0.01	0.95	0.19	1.14	11	11	11	NA	NA	NA	1	1	1					
C1A	15/8/2017	Mid-Ebb	Fine	Moderate	15:40	28	B	27	3	4	<0.01	0.01	0.000	0.000	0.000	<0.01	0.95	0.19	1.14	11	11	11	NA	NA	NA	1	1	1					
C2A	15/8/2017	Mid-Ebb	Fine	Moderate	17:31	13	S	1	1	4	<0.01	0.01	0.001	0.001	0.001	<0.01	0.38	0.08	0.46	7	5	6	NA	NA	NA	1	1	1					
C2A	15/8/2017	Mid-Ebb	Fine	Moderate	17:31	13	S	1	2	6	<0.01	0.01	0.001	0.001	0.001	<0.01	0.38	0.08	0.46	5	6	6	NA	NA	NA	1	1	1					
C2A	15/8/2017	Mid-Ebb	Fine	Moderate	17:31	13	S	1	3	5	<0.01	0.01	0.001	0.001	0.001	<0.01	0.39	0.08	0.47	6	8	7	NA	NA	NA	2	2	2					
C2A	15/8/2017	Mid-Ebb	Fine	Moderate	17:31	13	M	6.5	1	6	0.04	0.04	0.002	0.002	0.001	0.04	0.37	0.09	0.50	6	8	7	NA	NA	NA	2	2	2					
C2A	15/8/2017	Mid-Ebb	Fine	Moderate	17:31	13	M	6.5	2	5	0.04	0.04	0.002	0.002	0.001	0.04	0.39	0.08	0.51	8	7	7	NA	NA	NA	2	2	2					
C2A	15/8/2017	Mid-Ebb	Fine	Moderate	17:31	13	M	6.5	3	6	0.04	0.04	0.002	0.002	0.001	0.01	0.37	0.09	0.47	6	8	7	NA	NA	NA	2	2	2					
C2A	15/8/2017	Mid-Ebb	Fine	Moderate	17:31	13	B	12	1	7	0.05	0.04	0.002	0.002	0.001	0.05	0.40	0.08	0.53	11	8	9	NA	NA	NA	2	2	2					
C2A	15/8/2017	Mid-Ebb	Fine	Moderate	17:31	13	B	12	2	6	0.03	0.04	0.001	0.001	0.001	0.03	0.38	0.09	0.50	8	9	9	NA	NA	NA	2	2	2					
C2A	15/8/2017	Mid-Ebb	Fine	Moderate	17:31	13	B	12	3	7	0.03	0.04	0.001	0.001	0.001	0.04	0.38	0.09	0.51	8	9	9	NA	NA	NA	2	2	2					
G2	15/8/2017	Mid-Ebb	Fine	Moderate	16:30	12	S	1	1	3	NA	NA	NA	NA	NA	<0.01	0.81	0.17	0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA					
G2	15/8/2017	Mid-Ebb	Fine	Moderate	16:30	12	S	1	2	2	NA	NA	NA	NA	NA	<0.01	0.81	0.17	0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA					
G2	15/8/2017	Mid-Ebb	Fine	Moderate	16:30	12	S	1	3	3	NA	NA	NA	NA	NA	<0.01	0.81	0.17	0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA					
G2	15/8/2017	Mid-Ebb	Fine	Moderate	16:30	12	M	6	1	4	NA	NA	NA	NA	NA	<0.01	0.81	0.17	0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA					
G2	15/8/2017	Mid-Ebb	Fine	Moderate	16:30	12	M	6	2	2	NA	NA	NA	NA	NA	<0.01	0.81	0.17	0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA					
G2	15/8/2017	Mid-Ebb	Fine	Moderate	16:30	12	M	6	3	3	NA	NA	NA	NA	NA	<0.01	0.81	0.17	0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA					
G2	15/8/2017	Mid-Ebb	Fine	Moderate	16:30	12	B	11	1	6	NA	NA	NA	NA	NA	<0.01	0.81	0.17	0.98	NA	NA	NA	NA	NA	NA	NA	NA	NA					
G2	15/8/2017	Mid-Ebb	Fine	Moderate	16:30	12	B	11	2	5	NA	NA	NA	NA	NA	<0.01	0.82	0.17	0.99	NA	NA	NA	NA	NA	NA	NA	NA	NA					
G2	15/8/2017	Mid-Ebb	Fine	Moderate	16:30	12	B	11	3	6	NA	NA	NA	NA	NA	<0.01	0.82	0.17	0.99	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	15/8/2017	Mid-Ebb	Fine	Moderate	16:23	9	S	1	1	6	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	15/8/2017	Mid-Ebb	Fine	Moderate	16:23	9	S	1	2	6	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	15/8/2017	Mid-Ebb	Fine	Moderate	16:23	9	S	1	3	6	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	15/8/2017	Mid-Ebb	Fine	Moderate	16:23	9	M	4.5	1	6	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	15/8/2017	Mid-Ebb	Fine	Moderate	16:23	9	M	4.5	2	6	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	15/8/2017	Mid-Ebb	Fine	Moderate	16:23	9	M	4.5	3	6	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	15/8/2017	Mid-Ebb	Fine	Moderate	16:23	9	B	8	1	8	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	15/8/2017	Mid-Ebb	Fine	Moderate	16:23	9	B	8	2	8	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR2	15/8/2017	Mid-Ebb	Fine	Moderate	16:23	9	B	8	3	8	0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	15/8/2017	Mid-Ebb	Fine	Moderate	16:44	8	S	1	1	4	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	15/8/2017	Mid-Ebb	Fine	Moderate	16:44	8	S	1	2	4	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	15/8/2017	Mid-Ebb	Fine	Moderate	16:44	8	S	1	3	4	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	15/8/2017	Mid-Ebb	Fine	Moderate	16:44	8	M	4	1	4	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	15/8/2017	Mid-Ebb	Fine	Moderate	16:44	8	M	4	2	5	<0.01	0.02	0.000	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	15/8/2017	Mid-Ebb	Fine	Moderate	16:44	8	M	4	3	5	<0.01	0.02	0.000	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	15/8/2017	Mid-Ebb	Fine	Moderate	16:44	8	B	7	1	7	0.03	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	15/8/2017	Mid-Ebb	Fine	Moderate	16:44	8	B	7	2	7	0.01	0.02	0.000	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
SR3	15/8/2017	Mid-Ebb	Fine	Moderate	16:44	8	B	7	3	7	0.01	0.02	0.000	0.001	0.001	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 <sub>5</sub> (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	15/8/2017	Mid-Ebb	Fine	Moderate	16:57	4	S	1	1	2	3	<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	16	21	18	NA	NA	NA	<1	<1	1	1	
SR4	15/8/2017	Mid-Ebb	Fine	Moderate	16:57	4	S	1	2	3		<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	16	21	18	NA	NA	NA	<1	<1	1		
SR4	15/8/2017	Mid-Ebb	Fine	Moderate	16:57	4	S	1	3			<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	16	21	18	NA	NA	NA	<1	<1	1		
SR4	15/8/2017	Mid-Ebb	Fine	Moderate	16:57	4	M	1	1	1	NA			NA				NA	NA	NA	NA				54		NA	NA	NA		NA	1	
SR4	15/8/2017	Mid-Ebb	Fine	Moderate	16:57	4	M	1	2	2				NA				NA	NA	NA	NA	NA				54		NA	NA	NA		NA	1
SR4	15/8/2017	Mid-Ebb	Fine	Moderate	16:57	4	M	1	3	3				NA				NA	NA	NA	NA	NA				54		NA	NA	NA		NA	1
SR4	15/8/2017	Mid-Ebb	Fine	Moderate	16:57	4	B	3	1	4	5	<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	140	180	159	NA	NA	NA	1	1	1	1	
SR4	15/8/2017	Mid-Ebb	Fine	Moderate	16:57	4	B	3	2	5		<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	140	180	159	NA	NA	NA	1	1	1		
SR4	15/8/2017	Mid-Ebb	Fine	Moderate	16:57	4	B	3	3	3		<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	140	180	159	NA	NA	NA	1	1	1		
SR5	15/8/2017	Mid-Ebb	Fine	Moderate	15:59	11	S	1	1	6	6	NA	NA	NA	NA	NA	NA	<0.01	0.66	0.14	0.80	NA	NA	NA	0.80	NA	NA	NA	NA	NA	NA	NA	
SR5	15/8/2017	Mid-Ebb	Fine	Moderate	15:59	11	S	1	2	6		NA	NA	NA	NA	NA	NA	<0.01	0.66	0.14	0.80	NA	NA	NA	0.80	NA	NA	NA	NA	NA	NA		
SR5	15/8/2017	Mid-Ebb	Fine	Moderate	15:59	11	S	1	3	3		NA	NA	NA	NA	NA	NA	<0.01	0.66	0.14	0.80	NA	NA	NA	0.80	NA	NA	NA	NA	NA	NA		
SR5	15/8/2017	Mid-Ebb	Fine	Moderate	15:59	11	M	5.5	1	5	5	NA	NA	NA	NA	NA	NA	0.05	0.66	0.14	0.85	NA	NA	NA	0.84	0.82	NA	NA	NA	NA	NA	NA	NA
SR5	15/8/2017	Mid-Ebb	Fine	Moderate	15:59	11	M	5.5	2	5		NA	NA	NA	NA	NA	NA	0.01	0.66	0.14	0.81	NA	NA	NA	0.84	0.82	NA	NA	NA	NA	NA	NA	
SR5	15/8/2017	Mid-Ebb	Fine	Moderate	15:59	11	M	5.5	3	3		NA	NA	NA	NA	NA	NA	0.05	0.67	0.14	0.86	NA	NA	NA	0.84	0.82	NA	NA	NA	NA	NA	NA	
SR5	15/8/2017	Mid-Ebb	Fine	Moderate	15:59	11	B	10	1	6	7	NA	NA	NA	NA	NA	NA	0.01	0.66	0.14	0.81	NA	NA	NA	0.83	NA	NA	NA	NA	NA	NA	NA	NA
SR5	15/8/2017	Mid-Ebb	Fine	Moderate	15:59	11	B	10	2	7		NA	NA	NA	NA	NA	NA	0.05	0.67	0.14	0.86	NA	NA	NA	0.83	NA	NA	NA	NA	NA	NA	NA	
SR5	15/8/2017	Mid-Ebb	Fine	Moderate	15:59	11	B	10	3	3		NA	NA	NA	NA	NA	NA	0.02	0.67	0.14	0.83	NA	NA	NA	0.83	NA	NA	NA	NA	NA	NA	NA	
SR12	15/8/2017	Mid-Ebb	Fine	Moderate	17:14	15	S	1	1	3	3	<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	45	52	48	NA	NA	NA	<1	<1	1	1	
SR12	15/8/2017	Mid-Ebb	Fine	Moderate	17:14	15	S	1	2	2		<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	45	52	48	NA	NA	NA	<1	<1	1		
SR12	15/8/2017	Mid-Ebb	Fine	Moderate	17:14	15	S	1	3	3		<0.01	<0.01	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	45	52	48	NA	NA	NA	<1	<1	1		
SR12	15/8/2017	Mid-Ebb	Fine	Moderate	17:14	15	M	7.5	1	4	4	0.06	0.05	0.06	0.002	0.002	0.002	NA	NA	NA	NA	NA	10	12	11	117	NA	NA	NA	<1	<1	1	1
SR12	15/8/2017	Mid-Ebb	Fine	Moderate	17:14	15	M	7.5	2	4		0.06	0.05	0.06	0.002	0.002	0.002	NA	NA	NA	NA	NA	10	12	11	117	NA	NA	NA	<1	<1	1	
SR12	15/8/2017	Mid-Ebb	Fine	Moderate	17:14	15	M	7.5	3	3		0.06	0.05	0.06	0.002	0.002	0.002	NA	NA	NA	NA	NA	10	12	11	117	NA	NA	NA	<1	<1	1	
SR12	15/8/2017	Mid-Ebb	Fine	Moderate	17:14	15	B	14	1	8	8	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	2800	3300	3040	NA	NA	NA	2	2	2	NA	
SR12	15/8/2017	Mid-Ebb	Fine	Moderate	17:14	15	B	14	2	7		0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	2800	3300	3040	NA	NA	NA	2	2	2		
SR12	15/8/2017	Mid-Ebb	Fine	Moderate	17:14	15	B	14	3	3		0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	2800	3300	3040	NA	NA	NA	2	2	2		
SR13	15/8/2017	Mid-Ebb	Fine	Moderate	17:24	14	S	1	1	6	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2017	Mid-Ebb	Fine	Moderate	17:24	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	15/8/2017	Mid-Ebb	Fine	Moderate	17:24	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	15/8/2017	Mid-Ebb	Fine	Moderate	17:24	14	M	7	1	4	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2017	Mid-Ebb	Fine	Moderate	17:24	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
SR13	15/8/2017	Mid-Ebb	Fine	Moderate	17:24	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	15/8/2017	Mid-Ebb	Fine	Moderate	17:24	14	B	13	1	7	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	15/8/2017	Mid-Ebb	Fine	Moderate	17:24	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		NA
SR13	15/8/2017	Mid-Ebb	Fine	Moderate	17:24	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.





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 <sub>5</sub> (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	17/8/2017	Mid-Flood	Fine	Moderate	12:00	28	S	1	1	2	2	<0.01	0.01	0.03	0.000	0.000	0.001	<0.01	1.09	0.17	1.26	1.26	ND	1	1	NA	NA	NA	1	1	1		
C1A	17/8/2017	Mid-Flood	Fine	Moderate	12:00	28	S	1	2	2		<0.01	0.01		0.000	0.000		<0.01	1.09	0.17	1.26		ND	1	1	NA	NA	NA	1	1	1		
C1A	17/8/2017	Mid-Flood	Fine	Moderate	12:00	28	S	1	3	3	3	0.09	0.08	0.03	0.004	0.004	0.001	<0.01	1.09	0.17	1.26	1.26	ND	1	1	NA	NA	NA	2	2	2		
C1A	17/8/2017	Mid-Flood	Fine	Moderate	12:00	28	M	14	1	3		0.07	0.08		0.003	0.004		0.07	1.11	0.15	1.35		ND	1	1	NA	NA	NA	2	2	2		
C1A	17/8/2017	Mid-Flood	Fine	Moderate	12:00	28	M	14	2	2	3	0.01	0.01	0.03	0.000	0.000	0.001	<0.01	1.09	0.17	1.26	1.26	ND	1	1	NA	NA	NA	<1	<1	1		
C1A	17/8/2017	Mid-Flood	Fine	Moderate	12:00	28	B	27	2	4		<0.01	0.01		0.000	0.000		<0.01	1.09	0.17	1.26		ND	2	1	NA	NA	NA	<1	<1	1		
C2A	17/8/2017	Mid-Flood	Fine	Moderate	14:15	13	S	1	1	3	3	0.21	0.19	0.18	0.009	0.008	0.008	0.21	0.29	0.07	0.57	0.57	ND	1	1	NA	NA	NA	3	3	3		
C2A	17/8/2017	Mid-Flood	Fine	Moderate	14:15	13	S	1	2	3		0.16	0.19		0.007	0.008		0.16	0.27	0.07	0.50		ND	1	1	NA	NA	NA	3	3	3		
C2A	17/8/2017	Mid-Flood	Fine	Moderate	14:15	13	S	1	3	3	5	0.10	0.14	0.18	0.004	0.006	0.008	0.10	0.27	0.07	0.44	0.48	7	5	6	NA	NA	NA	2	2	2		
C2A	17/8/2017	Mid-Flood	Fine	Moderate	14:15	13	M	6.5	1	5		0.18	0.14		0.008	0.006		0.18	0.28	0.07	0.53		NA	NA	NA	2	2	2	2	2	2		
C2A	17/8/2017	Mid-Flood	Fine	Moderate	14:15	13	M	6.5	3	3	4	0.15	0.20	0.18	0.006	0.009	0.008	0.12	0.27	0.07	0.46	0.54	ND	1	1	NA	NA	NA	2	2	2		
C2A	17/8/2017	Mid-Flood	Fine	Moderate	14:15	13	B	12	1	4		0.25	0.20		0.011	0.009		0.15	0.27	0.07	0.49		ND	1	1	NA	NA	NA	2	2	2		
C2A	17/8/2017	Mid-Flood	Fine	Moderate	14:15	13	B	12	2	4	4	0.19	0.27	0.18	0.006	0.009	0.008	0.19	0.27	0.07	0.53	0.54	ND	1	1	NA	NA	NA	2	2	2		
C2A	17/8/2017	Mid-Flood	Fine	Moderate	14:15	13	B	12	3	3		0.25	0.20		0.011	0.009		0.25	0.29	0.07	0.61		ND	1	1	NA	NA	NA	2	2	2		
G2	17/8/2017	Mid-Flood	Fine	Moderate	12:50	12	S	1	1	4	4	NA	NA	NA	NA	NA	NA	0.04	0.79	0.14	0.97	0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	17/8/2017	Mid-Flood	Fine	Moderate	12:50	12	S	1	2	3		NA	NA		NA	NA		NA	NA	<0.01	0.79		0.14	0.93	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	17/8/2017	Mid-Flood	Fine	Moderate	12:50	12	S	1	3	3	4	NA	NA	NA	NA	NA	NA	0.02	0.80	0.14	0.96	0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	17/8/2017	Mid-Flood	Fine	Moderate	12:50	12	M	6	1	5		NA	NA		NA	NA		NA	NA	<0.01	0.79		0.14	0.93	0.94	NA	NA	NA	NA	NA	NA	NA	NA
G2	17/8/2017	Mid-Flood	Fine	Moderate	12:50	12	M	6	2	3	4	NA	NA	NA	NA	NA	NA	0.02	0.79	0.14	0.95	0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	17/8/2017	Mid-Flood	Fine	Moderate	12:50	12	M	6	3	3		NA	NA		NA	NA		NA	NA	0.01	0.79		0.14	0.94	0.92	NA	NA	NA	NA	NA	NA	NA	NA
G2	17/8/2017	Mid-Flood	Fine	Moderate	12:50	12	B	11	1	3	3	NA	NA	NA	NA	NA	NA	<0.01	0.78	0.14	0.92	0.92	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	17/8/2017	Mid-Flood	Fine	Moderate	12:50	12	B	11	2	3		NA	NA		NA	NA		NA	NA	<0.01	0.78		0.14	0.92	0.92	NA	NA	NA	NA	NA	NA	NA	NA
G2	17/8/2017	Mid-Flood	Fine	Moderate	12:50	12	B	11	3	3	3	NA	NA	NA	NA	NA	NA	<0.01	0.78	0.14	0.92	0.92	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	17/8/2017	Mid-Flood	Fine	Moderate	12:50	12	B	11	3	3		NA	NA		NA	NA		NA	NA	<0.01	0.78		0.14	0.92	0.92	NA	NA	NA	NA	NA	NA	NA	NA
SR2	17/8/2017	Mid-Flood	Fine	Moderate	12:35	9	S	1	1	2	2	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	17/8/2017	Mid-Flood	Fine	Moderate	12:35	9	S	1	2	2		0.01	0.02		0.000	0.001		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	17/8/2017	Mid-Flood	Fine	Moderate	12:35	9	S	1	3	3	3	<0.01	0.01	0.02	0.000	0.000	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	17/8/2017	Mid-Flood	Fine	Moderate	12:35	9	M	4.5	1	2		<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	17/8/2017	Mid-Flood	Fine	Moderate	12:35	9	M	4.5	2	3	2	<0.01	0.01	0.02	0.000	0.000	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	17/8/2017	Mid-Flood	Fine	Moderate	12:35	9	B	8	1	2		0.03	0.02		0.001	0.001		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR2	17/8/2017	Mid-Flood	Fine	Moderate	12:35	9	B	8	2	2	2	0.01	0.02	0.02	0.000	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	17/8/2017	Mid-Flood	Fine	Moderate	12:35	9	B	8	3	3		0.01	0.02		0.000	0.001		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	17/8/2017	Mid-Flood	Fine	Moderate	13:05	8	S	1	1	2	2	0.02	0.02	0.01	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	17/8/2017	Mid-Flood	Fine	Moderate	13:05	8	S	1	2	2		<0.01	0.02		0.000	0.001		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	17/8/2017	Mid-Flood	Fine	Moderate	13:05	8	S	1	3	3	3	<0.01	0.01	0.01	0.000	0.000	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	17/8/2017	Mid-Flood	Fine	Moderate	13:05	8	M	4	1	3		<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	17/8/2017	Mid-Flood	Fine	Moderate	13:05	8	M	4	2	2	5	<0.01	0.01	0.01	0.000	0.000	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	17/8/2017	Mid-Flood	Fine	Moderate	13:05	8	M	4	3	3		<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	17/8/2017	Mid-Flood	Fine	Moderate	13:05	8	B	7	1	4	5	<0.01	0.01	0.01	0.000	0.000	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	17/8/2017	Mid-Flood	Fine	Moderate	13:05	8	B	7	2	5		<0.01	0.01		0.000	0.000		NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR3	17/8/2017	Mid-Flood	Fine	Moderate	13:05	8	B	7	2	5	5	<0.01	0.01	0.01	0.000	0.000	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	17/8/2017	Mid-Flood	Fine	Moderate	13:05	8	B	7	3	3		<0.01	0.01		0.000	0.000		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 <sub>5</sub> (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	17/8/2017	Mid-Flood	Fine	Moderate	13:25	4	S	1	1	2	2	NA	3	0.01	0.000	0.000	0.000	NA	NA	NA	NA	NA	2200	1900	2045	1126	NA	NA	NA	2	2	2																		
SR4	17/8/2017	Mid-Flood	Fine	Moderate	13:25	4	S	1	2	2																	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR4	17/8/2017	Mid-Flood	Fine	Moderate	13:25	4	S	1	3	3																	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR4	17/8/2017	Mid-Flood	Fine	Moderate	13:25	4	M	1	1	1	3	NA	3	0.01	0.001	0.001	0.001	NA	NA	NA	NA	NA	640	600	620	1126	NA	NA	NA	1	1	1																		
SR4	17/8/2017	Mid-Flood	Fine	Moderate	13:25	4	M	1	2	2																	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR4	17/8/2017	Mid-Flood	Fine	Moderate	13:25	4	M	1	3	3																	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	17/8/2017	Mid-Flood	Fine	Moderate	13:25	4	M	1	3	3	3	NA	3	0.01	0.001	0.001	0.001	NA	NA	NA	NA	NA	640	600	620	1126	NA	NA	NA	1	1	1																		
SR4	17/8/2017	Mid-Flood	Fine	Moderate	13:25	4	B	3	1	3																	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	17/8/2017	Mid-Flood	Fine	Moderate	13:25	4	B	3	2	3																	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	17/8/2017	Mid-Flood	Fine	Moderate	12:20	11	S	1	1	<1	1	2	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.25	NA	NA	NA	NA	NA	NA																		
SR5	17/8/2017	Mid-Flood	Fine	Moderate	12:20	11	S	1	2	<1																	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	17/8/2017	Mid-Flood	Fine	Moderate	12:20	11	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	
SR5	17/8/2017	Mid-Flood	Fine	Moderate	12:20	11	M	5.5	1	1	1	2	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.24	NA	NA	NA	NA	NA	NA																			
SR5	17/8/2017	Mid-Flood	Fine	Moderate	12:20	11	M	5.5	2	<1																NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	17/8/2017	Mid-Flood	Fine	Moderate	12:20	11	M	5.5	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	
SR5	17/8/2017	Mid-Flood	Fine	Moderate	12:20	11	B	10	1	3	3	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.24	NA	NA	NA	NA	NA	NA																			
SR5	17/8/2017	Mid-Flood	Fine	Moderate	12:20	11	B	10	2	3																NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	17/8/2017	Mid-Flood	Fine	Moderate	12:20	11	B	10	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	
SR12	17/8/2017	Mid-Flood	Fine	Moderate	13:45	15	S	1	1	2	2	2	15	0.04	0.001	0.001	0.001	NA	NA	NA	NA	NA	9	11	10	128	NA	NA	NA	2	2	2																		
SR12	17/8/2017	Mid-Flood	Fine	Moderate	13:45	15	S	1	2	1																	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	17/8/2017	Mid-Flood	Fine	Moderate	13:45	15	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
SR12	17/8/2017	Mid-Flood	Fine	Moderate	13:45	15	M	7.5	1	1	1	2	15	0.04	0.001	0.005	0.003	NA	NA	NA	NA	NA	420	450	435	128	NA	NA	NA	2	2	2																		
SR12	17/8/2017	Mid-Flood	Fine	Moderate	13:45	15	M	7.5	2	<1																	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	17/8/2017	Mid-Flood	Fine	Moderate	13:45	15	M	7.5	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
SR12	17/8/2017	Mid-Flood	Fine	Moderate	13:45	15	B	14	1	2	2	2	15	0.04	0.001	0.002	0.002	NA	NA	NA	NA	NA	510	460	484	128	NA	NA	NA	2	2	2																		
SR12	17/8/2017	Mid-Flood	Fine	Moderate	13:45	15	B	14	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
SR12	17/8/2017	Mid-Flood	Fine	Moderate	13:45	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	NA	NA
SR13	17/8/2017	Mid-Flood	Fine	Moderate	13:59	14	S	1	1	2	2	2	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																		
SR13	17/8/2017	Mid-Flood	Fine	Moderate	13:59	14	S	1	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
SR13	17/8/2017	Mid-Flood	Fine	Moderate	13:59	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	17/8/2017	Mid-Flood	Fine	Moderate	13:59	14	M	7	1	4	5	3	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																		
SR13	17/8/2017	Mid-Flood	Fine	Moderate	13:59	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
SR13	17/8/2017	Mid-Flood	Fine	Moderate	13:59	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	17/8/2017	Mid-Flood	Fine	Moderate	13:59	14	B	11	1	4	4	4	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA																		
SR13	17/8/2017	Mid-Flood	Fine	Moderate	13:59	14	B	11	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	17/8/2017	Mid-Flood	Fine	Moderate	13:59	14	B	11	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

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 <sub>5</sub> (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	17/8/2017	Mid-Ebb	Fine	Moderate	9:50	4	S	1	1	1	2	<0.01	<0.01	0.01	0.000	0.000	0.001	NA	NA	NA	NA	NA	1500	1688	41	NA	NA	NA	<1	<1	1	1		
SR4	17/8/2017	Mid-Ebb	Fine	Moderate	9:50	4	S	1	2	2		NA	NA	NA	0.001	0.001	0.001	NA	NA	NA	NA	NA	ND	ND	1	NA	NA	NA	<1	<1	1			
SR4	17/8/2017	Mid-Ebb	Fine	Moderate	9:50	4	S	1	3	3	NA	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	
SR4	17/8/2017	Mid-Ebb	Fine	Moderate	9:50	4	M	1	1	1		0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	17/8/2017	Mid-Ebb	Fine	Moderate	9:50	4	M	2	2	2	4	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	
SR4	17/8/2017	Mid-Ebb	Fine	Moderate	9:50	4	B	3	2	4		0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR4	17/8/2017	Mid-Ebb	Fine	Moderate	9:50	4	B	3	3	3	1	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR4	17/8/2017	Mid-Ebb	Fine	Moderate	9:50	4	B	3	3	3		0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	17/8/2017	Mid-Ebb	Fine	Moderate	11:05	11	S	1	1	<1	1	NA	NA	NA	NA	NA	NA	<0.01	1.07	0.16	1.23	1.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	17/8/2017	Mid-Ebb	Fine	Moderate	11:05	11	S	1	2	1		NA	NA	NA	NA	NA	NA	<0.01	1.07	0.16	1.23	1.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	17/8/2017	Mid-Ebb	Fine	Moderate	11:05	11	S	1	3	3	2	NA	NA	NA	NA	NA	NA	<0.01	1.07	0.16	1.24	1.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	17/8/2017	Mid-Ebb	Fine	Moderate	11:05	11	M	5.5	1	<1		NA	NA	NA	NA	NA	NA	<0.01	1.07	0.17	1.24	1.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	17/8/2017	Mid-Ebb	Fine	Moderate	11:05	11	M	5.5	2	2	1	NA	NA	NA	NA	NA	NA	<0.01	1.07	0.17	1.24	1.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	17/8/2017	Mid-Ebb	Fine	Moderate	11:05	11	B	10	1	<1		NA	NA	NA	NA	NA	NA	<0.01	1.07	0.17	1.24	1.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	17/8/2017	Mid-Ebb	Fine	Moderate	11:05	11	B	10	2	<1	1	NA	NA	NA	NA	NA	NA	<0.01	1.07	0.17	1.24	1.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR5	17/8/2017	Mid-Ebb	Fine	Moderate	11:05	11	B	10	3	3		NA	NA	NA	NA	NA	NA	<0.01	1.07	0.17	1.24	1.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	17/8/2017	Mid-Ebb	Fine	Moderate	9:30	15	S	1	1	2	2	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	1200	1386	1430	NA	NA	NA	NA	NA	NA	NA	1	
SR12	17/8/2017	Mid-Ebb	Fine	Moderate	9:30	15	S	1	2	2		0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	1600	1386	1430	NA	NA	NA	NA	NA	NA	NA		
SR12	17/8/2017	Mid-Ebb	Fine	Moderate	9:30	15	S	1	3	3	3	0.06	0.06	0.06	0.002	0.002	0.002	NA	NA	NA	NA	NA	2400	2592	1430	NA	NA	NA	NA	NA	NA	NA	1	
SR12	17/8/2017	Mid-Ebb	Fine	Moderate	9:30	15	M	7.5	1	3		0.06	0.06	0.06	0.002	0.002	0.002	NA	NA	NA	NA	NA	2800	2592	1430	NA	NA	NA	NA	NA	NA	NA		
SR12	17/8/2017	Mid-Ebb	Fine	Moderate	9:30	15	M	7.5	2	3	3	0.04	0.04	0.04	0.002	0.002	0.002	NA	NA	NA	NA	NA	860	814	1430	NA	NA	NA	NA	NA	NA	NA	1	
SR12	17/8/2017	Mid-Ebb	Fine	Moderate	9:30	15	B	14	1	2		0.02	0.03	0.03	0.001	0.001	0.001	NA	NA	NA	NA	NA	770	814	1430	NA	NA	NA	NA	NA	NA	NA		
SR12	17/8/2017	Mid-Ebb	Fine	Moderate	9:30	15	B	14	2	3	3	0.04	0.04	0.04	0.002	0.002	0.002	NA	NA	NA	NA	NA	860	814	1430	NA	NA	NA	NA	NA	NA	NA	1	
SR12	17/8/2017	Mid-Ebb	Fine	Moderate	9:30	15	B	14	3	3		0.02	0.03	0.03	0.001	0.001	0.001	NA	NA	NA	NA	NA	770	814	1430	NA	NA	NA	NA	NA	NA	NA		
SR13	17/8/2017	Mid-Ebb	Fine	Moderate	9:05	14	S	1	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	17/8/2017	Mid-Ebb	Fine	Moderate	9:05	14	S	1	2	2		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA
SR13	17/8/2017	Mid-Ebb	Fine	Moderate	9:05	14	S	1	3	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	17/8/2017	Mid-Ebb	Fine	Moderate	9:05	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	17/8/2017	Mid-Ebb	Fine	Moderate	9:05	14	M	7	2	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	17/8/2017	Mid-Ebb	Fine	Moderate	9:05	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	17/8/2017	Mid-Ebb	Fine	Moderate	9:05	14	B	13	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	
SR13	17/8/2017	Mid-Ebb	Fine	Moderate	9:05	14	B	13	2	2		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA
SR13	17/8/2017	Mid-Ebb	Fine	Moderate	9:05	14	B	13	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR13	17/8/2017	Mid-Ebb	Fine	Moderate	9:05	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 Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Ave.	Depth Ave.	Value	Value	Value	Value	Ave.
SR4	19/8/2017	Mid-Flood	Fine	Moderate	5:20	4	S	1	1	7.89	28.40	28.41	23.48	23.47	94.6	94.6	6.38	6.33	1.7	1.7	0.18	0.18	0.006	0.006	NA	NA	NA	NA	NA	NA	NA			
SR4	19/8/2017	Mid-Flood	Fine	Moderate	5:20	4	S	1	2	7.94	28.42	28.41	23.46	23.47	94.6	94.6	6.28	6.33	1.6	1.7	0.18	0.18	0.006	0.006	NA	NA	NA	NA	NA	NA	NA			
SR4	19/8/2017	Mid-Flood	Fine	Moderate	5:20	4	S	1	3																NA	NA	NA	NA	NA	NA	NA			
SR4	19/8/2017	Mid-Flood	Fine	Moderate	5:20	4	M		1																NA	NA	NA	NA	NA	NA	NA			
SR4	19/8/2017	Mid-Flood	Fine	Moderate	5:20	4	M		2																NA	NA	NA	NA	NA	NA	NA			
SR4	19/8/2017	Mid-Flood	Fine	Moderate	5:20	4	M		3																NA	NA	NA	NA	NA	NA	NA			
SR4	19/8/2017	Mid-Flood	Fine	Moderate	5:20	4	B	3	1	7.97	28.64	28.78	23.43	23.35	90.2	89.0	6.19	6.08	1.5	1.4	0.15	0.15	0.005	0.005	NA	NA	NA	NA	NA	NA	NA			
SR4	19/8/2017	Mid-Flood	Fine	Moderate	5:20	4	B	3	2	7.96	28.91	28.78	23.27	23.35	87.7	89.0	5.97	6.08	1.2	1.4	0.15	0.15	0.005	0.005	NA	NA	NA	NA	NA	NA	NA			
SR4	19/8/2017	Mid-Flood	Fine	Moderate	5:20	4	B	3	3																NA	NA	NA	NA	NA	NA	NA			
SR5	19/8/2017	Mid-Flood	Fine	Moderate	6:05	11	S	1	1	7.88	27.46	27.46	24.34	24.34	103.5	103.5	7.19	7.19	0.5	0.5	NA	NA	NA	NA	0.05	0.81	0.11	0.97	0.97	0.97	0.97			
SR5	19/8/2017	Mid-Flood	Fine	Moderate	6:05	11	S	1	2	7.88	27.46	27.46	24.34	24.34	103.5	103.5	7.19	7.19	0.5	0.5	NA	NA	NA	NA	0.05	0.81	0.11	0.97	0.97	0.97	0.97			
SR5	19/8/2017	Mid-Flood	Fine	Moderate	6:05	11	S	1	3																0.05	0.80	0.11	0.96	0.96	0.96	0.96			
SR5	19/8/2017	Mid-Flood	Fine	Moderate	6:05	11	M	5.5	1	7.90	27.78	27.78	24.23	24.23	103.5	103.5	7.12	7.12	0.7	0.7	NA	NA	NA	NA	0.06	0.81	0.11	0.98	0.98	0.98	0.98			
SR5	19/8/2017	Mid-Flood	Fine	Moderate	6:05	11	M	5.5	2	7.90	27.78	27.78	24.23	24.23	103.5	103.5	7.12	7.12	0.7	0.7	NA	NA	NA	NA	0.06	0.79	0.11	0.96	0.96	0.96	0.96			
SR5	19/8/2017	Mid-Flood	Fine	Moderate	6:05	11	M	5.5	3																0.06	0.81	0.11	0.98	0.98	0.98	0.98			
SR5	19/8/2017	Mid-Flood	Fine	Moderate	6:05	11	B	10	1	7.89	29.76	29.76	24.81	24.81	93.0	93.0	6.43	6.43	1.4	1.4	NA	NA	NA	NA	0.10	0.81	0.11	1.02	1.02	1.02	1.02			
SR5	19/8/2017	Mid-Flood	Fine	Moderate	6:05	11	B	10	2	7.89	29.76	29.76	24.81	24.81	93.0	93.0	6.43	6.43	1.4	1.4	NA	NA	NA	NA	0.10	0.81	0.11	1.02	1.02	1.02	1.02			
SR5	19/8/2017	Mid-Flood	Fine	Moderate	6:05	11	B	10	3																0.10	0.81	0.11	1.02	1.02	1.02	1.02			
SR12	19/8/2017	Mid-Flood	Fine	Moderate	5:05	15	S	1	1	7.92	27.68	27.68	23.74	23.74	85.8	85.8	5.89	5.89	2.3	2.3	0.15	0.15	0.005	0.005	NA	NA	NA	NA	NA	NA	NA			
SR12	19/8/2017	Mid-Flood	Fine	Moderate	5:05	15	S	1	2	7.92	27.68	27.68	23.74	23.74	85.8	85.8	5.89	5.89	2.3	2.3	0.15	0.15	0.005	0.005	NA	NA	NA	NA	NA	NA	NA			
SR12	19/8/2017	Mid-Flood	Fine	Moderate	5:05	15	S	1	3																NA	NA	NA	NA	NA	NA	NA			
SR12	19/8/2017	Mid-Flood	Fine	Moderate	5:05	15	M	7.5	1	7.96	27.15	27.15	23.91	23.91	88.7	88.7	6.10	6.10	2.0	2.0	0.15	0.15	0.006	0.006	NA	NA	NA	NA	NA	NA	NA			
SR12	19/8/2017	Mid-Flood	Fine	Moderate	5:05	15	M	7.5	2	7.96	27.15	27.15	23.91	23.91	88.7	88.7	6.10	6.10	2.0	2.0	0.15	0.15	0.006	0.006	NA	NA	NA	NA	NA	NA	NA			
SR12	19/8/2017	Mid-Flood	Fine	Moderate	5:05	15	M	7.5	3																NA	NA	NA	NA	NA	NA	NA			
SR12	19/8/2017	Mid-Flood	Fine	Moderate	5:05	15	B	14	1	7.99	27.04	27.04	23.94	23.94	92.7	92.7	6.37	6.37	1.8	1.8	0.10	0.10	0.004	0.004	NA	NA	NA	NA	NA	NA	NA			
SR12	19/8/2017	Mid-Flood	Fine	Moderate	5:05	15	B	14	2	7.99	27.04	27.04	23.94	23.94	92.7	92.7	6.37	6.37	1.8	1.8	0.10	0.10	0.004	0.004	NA	NA	NA	NA	NA	NA	NA			
SR12	19/8/2017	Mid-Flood	Fine	Moderate	5:05	15	B	14	3																NA	NA	NA	NA	NA	NA	NA			
SR13	19/8/2017	Mid-Flood	Fine	Moderate	4:50	14	S	1	1	7.87	28.98	28.98	24.37	24.37	86.0	86.0	5.89	5.89	2.1	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR13	19/8/2017	Mid-Flood	Fine	Moderate	4:50	14	S	1	2	7.87	28.98	28.98	24.37	24.37	86.0	86.0	5.89	5.89	2.1	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	19/8/2017	Mid-Flood	Fine	Moderate	4:50	14	S	1	3																NA	NA	NA	NA	NA	NA	NA			
SR13	19/8/2017	Mid-Flood	Fine	Moderate	4:50	14	M	7	1	7.94	28.60	28.60	23.29	23.29	84.9	84.9	5.83	5.83	1.6	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	19/8/2017	Mid-Flood	Fine	Moderate	4:50	14	M	7	2	7.94	28.60	28.60	23.29	23.29	84.9	84.9	5.83	5.83	1.6	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	19/8/2017	Mid-Flood	Fine	Moderate	4:50	14	M	7	3																NA	NA	NA	NA	NA	NA	NA			
SR13	19/8/2017	Mid-Flood	Fine	Moderate	4:50	14	B	13	1	7.96	29.33	29.33	23.30	23.30	87.3	87.3	5.96	5.96	1.3	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	19/8/2017	Mid-Flood	Fine	Moderate	4:50	14	B	13	2	7.96	29.33	29.33	23.30	23.30	87.3	87.3	5.96	5.96	1.3	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	19/8/2017	Mid-Flood	Fine	Moderate	4:50	14	B	13	3																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  
 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 <sub>5</sub> (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	19/8/2017	Mid-Flood	Fine	Moderate	6:25	28	S	1	1	3	4	0.09	0.09	0.15	0.003	0.003	0.005	0.09	0.87	0.11	1.07	1.08	5	6	20	NA	NA	NA	<1	1	1				
C1A	19/8/2017	Mid-Flood	Fine	Moderate	6:25	28	S	1	2	5		0.08			0.003			0.08	0.89	0.11	1.08		8		NA	NA	NA	1							
C1A	19/8/2017	Mid-Flood	Fine	Moderate	6:25	28	S	1	3			0.09			0.09			0.09	0.87	0.12	1.08				NA	NA	NA								
C1A	19/8/2017	Mid-Flood	Fine	Moderate	6:25	28	M	14	1	6		0.15			0.005			0.15	0.85	0.11	1.11		73		NA	NA	NA	<1							
C1A	19/8/2017	Mid-Flood	Fine	Moderate	6:25	28	M	14	2	6	6	0.15	0.15	0.15	0.005	0.005	0.005	0.15	0.85	0.11	1.11	1.10	64	68	20	NA	NA	NA	<1	1	1				
C1A	19/8/2017	Mid-Flood	Fine	Moderate	6:25	28	M	14	3			0.20			0.006			0.20	0.85	0.09	1.14		21		NA	NA	NA	<1							
C1A	19/8/2017	Mid-Flood	Fine	Moderate	6:25	28	B	27	2	5		0.20			0.006			0.20	0.84	0.10	1.14		15		NA	NA	NA	1							
C1A	19/8/2017	Mid-Flood	Fine	Moderate	6:25	28	B	27	3			0.18			0.006			0.18	0.85	0.09	1.12				NA	NA	NA								
C2A	19/8/2017	Mid-Flood	Fine	Moderate	4:30	13	S	1	1	4	5	0.24	0.17	0.10	0.012	0.009	0.012	0.24	0.31	0.06	0.61	0.50	5	5	9	NA	NA	NA	<1	1	1				
C2A	19/8/2017	Mid-Flood	Fine	Moderate	4:30	13	S	1	2	5		0.10			0.005			0.10	0.30	0.06	0.46		5		NA	NA	NA	1							
C2A	19/8/2017	Mid-Flood	Fine	Moderate	4:30	13	S	1	3			0.09			0.009			0.09	0.28	0.06	0.43				NA	NA	NA								
C2A	19/8/2017	Mid-Flood	Fine	Moderate	4:30	13	M	6.5	1	5		0.30			0.017			0.30	0.32	0.06	0.68		6		NA	NA	NA	<1							
C2A	19/8/2017	Mid-Flood	Fine	Moderate	4:30	13	M	6.5	2	6	6	0.30	0.30	0.23	0.017	0.017	0.012	0.30	0.32	0.06	0.68	0.67	5	5	9	NA	NA	NA	1	1	1				
C2A	19/8/2017	Mid-Flood	Fine	Moderate	4:30	13	M	6.5	3			0.27			0.017			0.27	0.32	0.06	0.65				NA	NA	NA								
C2A	19/8/2017	Mid-Flood	Fine	Moderate	4:30	13	B	12	1	6		0.28			0.015			0.28	0.31	0.06	0.65		32		NA	NA	NA	<1							
C2A	19/8/2017	Mid-Flood	Fine	Moderate	4:30	13	B	12	2	7		0.14			0.008			0.14	0.29	0.06	0.49		28		NA	NA	NA	1							
C2A	19/8/2017	Mid-Flood	Fine	Moderate	4:30	13	B	12	3				0.30	0.32	0.06	0.68		NA	NA	NA															
G2	19/8/2017	Mid-Flood	Fine	Moderate	5:40	12	S	1	1	6	5	NA	NA	NA	NA	NA	NA	0.05	0.60	0.09	0.74	0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA				
G2	19/8/2017	Mid-Flood	Fine	Moderate	5:40	12	S	1	2	4		NA			NA			NA	0.07	0.59	0.09		0.75		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2	19/8/2017	Mid-Flood	Fine	Moderate	5:40	12	S	1	3			NA			NA			NA	0.05	0.59	0.09		0.73			NA	NA	NA							
G2	19/8/2017	Mid-Flood	Fine	Moderate	5:40	12	M	6	1	6		NA			NA			NA	0.16	0.60	0.09		0.85		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	19/8/2017	Mid-Flood	Fine	Moderate	5:40	12	M	6	2	4	5	NA	NA	NA	NA	NA	NA	0.11	0.60	0.09	0.80	0.82	NA	NA	NA	NA	NA	NA	NA	NA					
G2	19/8/2017	Mid-Flood	Fine	Moderate	5:40	12	M	6	3			NA			NA			NA	0.12	0.59	0.09		0.80			NA	NA	NA							
G2	19/8/2017	Mid-Flood	Fine	Moderate	5:40	12	B	11	1	6		NA			NA			NA	0.16	0.60	0.09		0.85		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	19/8/2017	Mid-Flood	Fine	Moderate	5:40	12	B	11	2	5		NA			NA			NA	0.11	0.61	0.09		0.81		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
G2	19/8/2017	Mid-Flood	Fine	Moderate	5:40	12	B	11	3				0.14	0.60	0.09	0.83		NA	NA	NA															
SR2	19/8/2017	Mid-Flood	Fine	Moderate	5:50	9	S	1	1	7	6	0.05	0.05	0.09	0.001	0.001	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	19/8/2017	Mid-Flood	Fine	Moderate	5:50	9	S	1	2	5		0.04			0.001			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	19/8/2017	Mid-Flood	Fine	Moderate	5:50	9	S	1	3			NA			NA			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	19/8/2017	Mid-Flood	Fine	Moderate	5:50	9	M	4.5	1	6		0.08			0.003			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	19/8/2017	Mid-Flood	Fine	Moderate	5:50	9	M	4.5	2	7	7	0.08	0.08	0.09	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR2	19/8/2017	Mid-Flood	Fine	Moderate	5:50	9	M	4.5	3			0.16			0.005			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	19/8/2017	Mid-Flood	Fine	Moderate	5:50	9	B	8	1	6		0.10			0.003			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR2	19/8/2017	Mid-Flood	Fine	Moderate	5:50	9	B	8	3			NA			NA			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	19/8/2017	Mid-Flood	Fine	Moderate	5:30	8	S	1	1	4	4	0.04	0.03	0.03	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR3	19/8/2017	Mid-Flood	Fine	Moderate	5:30	8	S	1	2	3		0.02			0.000			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	19/8/2017	Mid-Flood	Fine	Moderate	5:30	8	S	1	3			NA			NA			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	19/8/2017	Mid-Flood	Fine	Moderate	5:30	8	M	4	1	5		0.03			0.001			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	19/8/2017	Mid-Flood	Fine	Moderate	5:30	8	M	4	2	4	5	<0.01	0.02	0.03	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
SR3	19/8/2017	Mid-Flood	Fine	Moderate	5:30	8	M	4	3			NA			NA			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	19/8/2017	Mid-Flood	Fine	Moderate	5:30	8	B	7	1	4		0.05			0.001			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	19/8/2017	Mid-Flood	Fine	Moderate	5:30	8	B	7	2	6		0.04			0.001			NA	NA	NA	NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR3	19/8/2017	Mid-Flood	Fine	Moderate	5:30	8	B	7	3				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 <sub>5</sub> (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	19/8/2017	Mid-Ebb	Fine	Moderate	6:55	28	S	1	1	5	5	0.17	0.15	0.13	0.006	0.005	0.007	0.17	0.87	0.11	1.15	1.12	35	38	78	NA	NA	NA	1	1	1		
C1A	19/8/2017	Mid-Ebb	Fine	Moderate	6:55	28	S	1	2	4		0.12			0.004			0.12	0.87	0.12	1.11		41			NA			1				
C1A	19/8/2017	Mid-Ebb	Fine	Moderate	6:55	28	S	1	3			0.11			0.87			0.12	1.10							NA			1				
C1A	19/8/2017	Mid-Ebb	Fine	Moderate	6:55	28	M	14	1	5	5	0.15	0.09	0.13	0.008	0.005	0.007	0.15	0.85	0.11	1.11	1.04	450	414	78	NA	NA	NA	1	2	1		
C1A	19/8/2017	Mid-Ebb	Fine	Moderate	6:55	28	M	14	2	4		0.03			0.002			0.03	0.88	0.10	1.01		380			NA			2				
C1A	19/8/2017	Mid-Ebb	Fine	Moderate	6:55	28	M	14	3			0.03			0.87			0.10	1.00							NA			2				
C1A	19/8/2017	Mid-Ebb	Fine	Moderate	6:55	28	B	27	1	4	5	0.18	0.16	0.13	0.010	0.009	0.009	0.18	0.83	0.10	1.11	1.07	33	30	78	NA	NA	NA	2	2	2		
C1A	19/8/2017	Mid-Ebb	Fine	Moderate	6:55	28	B	27	2	6		0.14			0.008			0.14	0.85	0.09	1.08		28			NA			1				
C1A	19/8/2017	Mid-Ebb	Fine	Moderate	6:55	28	B	27	3			0.04			0.87			0.10	1.01							NA			1				
C2A	19/8/2017	Mid-Ebb	Fine	Moderate	9:00	13	S	1	1	6	6	0.14	0.16	0.13	0.008	0.010	0.015	0.14	0.29	0.06	0.49	0.49	8	8	21	NA	NA	NA	2	2	2		
C2A	19/8/2017	Mid-Ebb	Fine	Moderate	9:00	13	S	1	2	5		0.18			0.011			0.18	0.29	0.06	0.53		9			NA			2				
C2A	19/8/2017	Mid-Ebb	Fine	Moderate	9:00	13	S	1	3			0.09			0.29			0.06	0.44							NA			2				
C2A	19/8/2017	Mid-Ebb	Fine	Moderate	9:00	13	M	6.5	1	5	5	0.29	0.29	0.25	0.017	0.017	0.015	0.29	0.32	0.06	0.67	0.67	5	6	21	NA	NA	NA	1	1	1		
C2A	19/8/2017	Mid-Ebb	Fine	Moderate	9:00	13	M	6.5	2	5		0.29			0.017			0.29	0.32	0.06	0.67		7			NA			1				
C2A	19/8/2017	Mid-Ebb	Fine	Moderate	9:00	13	M	6.5	3			0.29			0.31			0.06	0.66							NA			1				
C2A	19/8/2017	Mid-Ebb	Fine	Moderate	9:00	13	B	12	1	8	8	0.31	0.31	0.25	0.019	0.019	0.019	0.31	0.31	0.06	0.68	0.69	160	183	21	NA	NA	NA	1	1	1		
C2A	19/8/2017	Mid-Ebb	Fine	Moderate	9:00	13	B	12	2	7		0.30			0.019			0.30	0.32	0.06	0.68		210			NA			1				
C2A	19/8/2017	Mid-Ebb	Fine	Moderate	9:00	13	B	12	3			0.32			0.32			0.06	0.70							NA			1				
G2	19/8/2017	Mid-Ebb	Fine	Smooth	7:45	12	S	1	1	3	3	NA	NA	NA	NA	NA	NA	0.06	0.59	0.09	0.74	0.76	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	19/8/2017	Mid-Ebb	Fine	Smooth	7:45	12	S	1	2	3		NA			NA			NA	0.12	0.61	0.08		0.81			NA			NA			NA	
G2	19/8/2017	Mid-Ebb	Fine	Smooth	7:45	12	S	1	3			NA			NA			NA	0.05	0.59	0.09		0.73			NA			NA			NA	
G2	19/8/2017	Mid-Ebb	Fine	Smooth	7:45	12	M	6	1	4	4	NA	NA	NA	NA	NA	NA	0.15	0.60	0.09	0.84	0.83	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	19/8/2017	Mid-Ebb	Fine	Smooth	7:45	12	M	6	2	4		NA			NA			NA	0.14	0.60	0.09		0.83			NA			NA			NA	
G2	19/8/2017	Mid-Ebb	Fine	Smooth	7:45	12	M	6	3			NA			NA			NA	0.14	0.59	0.09		0.82			NA			NA			NA	
G2	19/8/2017	Mid-Ebb	Fine	Smooth	7:45	12	B	11	1	4	4	NA	NA	NA	NA	NA	NA	0.17	0.59	0.09	0.85	0.83	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	19/8/2017	Mid-Ebb	Fine	Smooth	7:45	12	B	11	2	3		NA			NA			NA	0.10	0.59	0.09		0.78			NA			NA			NA	
G2	19/8/2017	Mid-Ebb	Fine	Smooth	7:45	12	B	11	3			NA			NA			NA	0.16	0.60	0.09		0.85			NA			NA			NA	
SR2	19/8/2017	Mid-Ebb	Fine	Moderate	7:35	9	S	1	1	4	4	0.05	0.05	0.09	0.002	0.002	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	19/8/2017	Mid-Ebb	Fine	Moderate	7:35	9	S	1	2	4		0.05			0.002			NA	NA	NA	NA		NA			NA			NA				
SR2	19/8/2017	Mid-Ebb	Fine	Moderate	7:35	9	S	1	3			0.10			0.004			NA	NA	NA	NA		NA			NA			NA				
SR2	19/8/2017	Mid-Ebb	Fine	Moderate	7:35	9	M	4.5	1	4	4	0.08	0.09	0.09	0.004	0.004	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	19/8/2017	Mid-Ebb	Fine	Moderate	7:35	9	M	4.5	2	3		0.08			0.003			NA	NA	NA	NA		NA			NA			NA				
SR2	19/8/2017	Mid-Ebb	Fine	Moderate	7:35	9	M	4.5	3			0.12			0.005			NA	NA	NA	NA		NA			NA			NA				
SR2	19/8/2017	Mid-Ebb	Fine	Moderate	7:35	9	B	8	1	4	4	0.11	0.12	0.09	0.005	0.005	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	19/8/2017	Mid-Ebb	Fine	Moderate	7:35	9	B	8	2	3		0.11			0.005			NA	NA	NA	NA		NA			NA			NA				
SR2	19/8/2017	Mid-Ebb	Fine	Moderate	7:35	9	B	8	3			0.11			0.005			NA	NA	NA	NA		NA			NA			NA				
SR3	19/8/2017	Mid-Ebb	Fine	Smooth	7:55	8	S	1	1	3	4	0.03	0.03	0.03	0.001	0.001	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	19/8/2017	Mid-Ebb	Fine	Smooth	7:55	8	S	1	2	4		0.02			0.001			NA	NA	NA	NA		NA			NA			NA				
SR3	19/8/2017	Mid-Ebb	Fine	Smooth	7:55	8	S	1	3			0.02			0.001			NA	NA	NA	NA		NA			NA			NA				
SR3	19/8/2017	Mid-Ebb	Fine	Smooth	7:55	8	M	4	1	4	3	0.03	0.03	0.03	0.002	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	19/8/2017	Mid-Ebb	Fine	Smooth	7:55	8	M	4	2	2		0.03			0.002			NA	NA	NA	NA		NA			NA			NA				
SR3	19/8/2017	Mid-Ebb	Fine	Smooth	7:55	8	M	4	3			0.03			0.002			NA	NA	NA	NA		NA			NA			NA				
SR3	19/8/2017	Mid-Ebb	Fine	Smooth	7:55	8	B	7	1	5	4	0.05	0.04	0.03	0.003	0.002	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	19/8/2017	Mid-Ebb	Fine	Smooth	7:55	8	B	7	2	3		0.03			0.002			NA	NA	NA	NA		NA			NA			NA				
SR3	19/8/2017	Mid-Ebb	Fine	Smooth	7:55	8	B	7	3			0.03			0.002			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 <sub>5</sub> (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	19/8/2017	Mid-Ebb	Fine	Smooth	8:10	4	S	1	1	3	4	0.15 0.16	0.16	0.14	0.007 0.007	0.007	0.006	NA	NA	NA	NA	NA	32 29	30	14	NA	NA	NA	<1	1	1												
SR4	19/8/2017	Mid-Ebb	Fine	Smooth	8:10	4	S	1	2	4								NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR4	19/8/2017	Mid-Ebb	Fine	Smooth	8:10	4	S	1	3	4								NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR4	19/8/2017	Mid-Ebb	Fine	Smooth	8:10	4	M	1	1	1	NA	4	NA	0.14	NA	0.006	NA	NA	NA	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA	NA												
SR4	19/8/2017	Mid-Ebb	Fine	Smooth	8:10	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		
SR4	19/8/2017	Mid-Ebb	Fine	Smooth	8:10	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		
SR4	19/8/2017	Mid-Ebb	Fine	Smooth	8:10	4	B	3	1	5	5	0.12 0.12	0.12	NA	0.005 0.005	0.005	NA	NA	NA	NA	NA	NA	8 5	6	NA	NA	NA	NA	1	1	1												
SR4	19/8/2017	Mid-Ebb	Fine	Smooth	8:10	4	B	3	2	5								NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR4	19/8/2017	Mid-Ebb	Fine	Smooth	8:10	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	19/8/2017	Mid-Ebb	Fine	Moderate	7:15	11	S	1	1	6	6	NA	NA	NA	NA	NA	NA	0.06	0.79	0.11	0.96	0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR5	19/8/2017	Mid-Ebb	Fine	Moderate	7:15	11	S	1	2	5								NA	NA	NA	NA					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	19/8/2017	Mid-Ebb	Fine	Moderate	7:15	11	S	1	3	3								NA	NA	NA	NA					NA	NA	NA	0.08	0.81	0.10	0.99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	19/8/2017	Mid-Ebb	Fine	Moderate	7:15	11	M	5.5	1	4	4	5	NA	NA	NA	NA	NA	0.06	0.80	0.12	0.98	0.99	0.99	0.99	NA	NA	NA	NA	NA	NA	NA												
SR5	19/8/2017	Mid-Ebb	Fine	Moderate	7:15	11	M	5.5	2	4								NA	NA	NA	NA					NA	NA	NA	0.07	0.82	0.11	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	19/8/2017	Mid-Ebb	Fine	Moderate	7:15	11	M	5.5	3	3								NA	NA	NA	NA					NA	NA	NA	0.07	0.82	0.11	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	19/8/2017	Mid-Ebb	Fine	Moderate	7:15	11	B	10	1	5	5	NA	NA	NA	NA	NA	NA	0.08	0.80	0.11	0.99	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR5	19/8/2017	Mid-Ebb	Fine	Moderate	7:15	11	B	10	2	4								NA	NA	NA	NA					NA	NA	NA	0.08	0.81	0.11	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	19/8/2017	Mid-Ebb	Fine	Moderate	7:15	11	B	10	3	3								NA	NA	NA	NA					NA	NA	NA	0.08	0.81	0.11	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	19/8/2017	Mid-Ebb	Fine	Moderate	8:25	15	S	1	1	6	6	0.20 0.14	0.17	0.15	0.009 0.006	0.008	0.007	NA	NA	NA	NA	NA	640 720	679	332	NA	NA	NA	1	1	1												
SR12	19/8/2017	Mid-Ebb	Fine	Moderate	8:25	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
SR12	19/8/2017	Mid-Ebb	Fine	Moderate	8:25	15	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
SR12	19/8/2017	Mid-Ebb	Fine	Moderate	8:25	15	M	7.5	1	5	5	0.22 0.20	0.21	0.15	0.010 0.009	0.010	0.007	NA	NA	NA	NA	NA	230 290	258	NA	NA	NA	NA	<1	1	1												
SR12	19/8/2017	Mid-Ebb	Fine	Moderate	8:25	15	M	7.5	2	5								NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	19/8/2017	Mid-Ebb	Fine	Moderate	8:25	15	M	7.5	3	3								NA	NA	NA	NA					NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR12	19/8/2017	Mid-Ebb	Fine	Moderate	8:25	15	B	14	1	8	7	0.07 0.07	0.07	0.15	0.003 0.003	0.003	0.003	NA	NA	NA	NA	NA	180 240	208	NA	NA	NA	NA	1	1	1												
SR12	19/8/2017	Mid-Ebb	Fine	Moderate	8:25	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
SR12	19/8/2017	Mid-Ebb	Fine	Moderate	8:25	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	19/8/2017	Mid-Ebb	Fine	Moderate	8:40	14	S	1	1	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR13	19/8/2017	Mid-Ebb	Fine	Moderate	8:40	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	19/8/2017	Mid-Ebb	Fine	Moderate	8:40	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	19/8/2017	Mid-Ebb	Fine	Moderate	8:40	14	M	7	1	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR13	19/8/2017	Mid-Ebb	Fine	Moderate	8:40	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	19/8/2017	Mid-Ebb	Fine	Moderate	8:40	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	19/8/2017	Mid-Ebb	Fine	Moderate	8:40	14	B	13	1	7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
SR13	19/8/2017	Mid-Ebb	Fine	Moderate	8:40	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	19/8/2017	Mid-Ebb	Fine	Moderate	8:40	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	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 <sub>5</sub> (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	22/8/2017	Mid-Flood	Fine	Moderate	9:20	28	S	1	1	7	0.01			0.000			0.000	0.000		0.01	0.82	0.09	0.92	0.92			15			NA			2		
C1A	22/8/2017	Mid-Flood	Fine	Moderate	9:20	28	S	1	2	6	0.01	0.01		0.000			0.01	0.81	0.09	0.91				13	14		NA	NA		2	2				
C1A	22/8/2017	Mid-Flood	Fine	Moderate	9:20	28	S	1	3								0.03	0.81	0.09	0.93															
C1A	22/8/2017	Mid-Flood	Fine	Moderate	9:20	28	M	14	1	8	0.02			0.001			0.02	0.82	0.09	0.93	0.94			8			NA			1					
C1A	22/8/2017	Mid-Flood	Fine	Moderate	9:20	28	M	14	2	6	0.02	0.02	0.02	0.001	0.001	0.001	0.02	0.82	0.09	0.93	0.94	0.92		5	6	8	NA	NA	NA	1	1	1			
C1A	22/8/2017	Mid-Flood	Fine	Moderate	9:20	28	M	14	3								0.03	0.83	0.09	0.95															
C1A	22/8/2017	Mid-Flood	Fine	Moderate	9:20	28	B	27	1	6	0.04			0.002			0.04	0.80	0.08	0.92	0.91			9			NA			<1					
C1A	22/8/2017	Mid-Flood	Fine	Moderate	9:20	28	B	27	2	8	0.03	0.04		0.001	0.001		0.03	0.80	0.08	0.91				4	6		NA	NA		<1	1				
C1A	22/8/2017	Mid-Flood	Fine	Moderate	9:20	28	B	27	3								0.02	0.80	0.08	0.90															
C2A	22/8/2017	Mid-Flood	Fine	Moderate	6:35	13	S	1	1	7	0.17			0.009			0.17	0.34	0.05	0.56	0.56			11			NA			1					
C2A	22/8/2017	Mid-Flood	Fine	Moderate	6:35	13	S	1	2	8	0.13	0.15		0.007	0.008		0.13	0.34	0.05	0.52	0.56			13	12		NA	NA		1	1				
C2A	22/8/2017	Mid-Flood	Fine	Moderate	6:35	13	S	1	3								0.21	0.35	0.05	0.61															
C2A	22/8/2017	Mid-Flood	Fine	Moderate	6:35	13	M	6.5	1	8	0.18			0.009			0.18	0.35	0.05	0.58	0.58			15			NA			1					
C2A	22/8/2017	Mid-Flood	Fine	Moderate	6:35	13	M	6.5	2	9	0.19	0.19	0.13	0.009	0.009	0.007	0.19	0.35	0.05	0.59	0.58	0.52		9	12	5	NA	NA	NA	1	1	1			
C2A	22/8/2017	Mid-Flood	Fine	Moderate	6:35	13	M	6.5	3								0.20	0.33	0.05	0.58															
C2A	22/8/2017	Mid-Flood	Fine	Moderate	6:35	13	B	12	1	9	0.06			0.003			0.06	0.31	0.05	0.42	0.43			ND			NA			<1					
C2A	22/8/2017	Mid-Flood	Fine	Moderate	6:35	13	B	12	2	11	0.05	0.06		0.002	0.003		0.05	0.32	0.04	0.41	0.43			ND	1		NA	NA		<1	1				
C2A	22/8/2017	Mid-Flood	Fine	Moderate	6:35	13	B	12	3								0.08	0.33	0.04	0.45															
G2	22/8/2017	Mid-Flood	Fine	Moderate	8:25	12	S	1	1	6	NA			NA			<0.01	0.55	0.07	0.62	0.62			NA			NA			NA					
G2	22/8/2017	Mid-Flood	Fine	Moderate	8:25	12	S	1	2	6	NA	NA		NA	NA		<0.01	0.55	0.07	0.62	0.62			NA	NA		NA	NA		NA	NA				
G2	22/8/2017	Mid-Flood	Fine	Moderate	8:25	12	S	1	3								<0.01	0.55	0.07	0.62															
G2	22/8/2017	Mid-Flood	Fine	Moderate	8:25	12	M	6	1	5	NA			NA			0.01	0.49	0.06	0.56	0.57			NA			NA			NA					
G2	22/8/2017	Mid-Flood	Fine	Moderate	8:25	12	M	6	2	5	NA	NA	NA	NA	NA	NA	0.02	0.48	0.07	0.57	0.57			NA	NA	NA	NA	NA	NA	NA	NA	NA			
G2	22/8/2017	Mid-Flood	Fine	Moderate	8:25	12	M	6	3								0.02	0.49	0.06	0.57															
G2	22/8/2017	Mid-Flood	Fine	Moderate	8:25	12	B	11	1	6	NA			NA			0.01	0.49	0.07	0.57	0.57			NA			NA			NA					
G2	22/8/2017	Mid-Flood	Fine	Moderate	8:25	12	B	11	2	5	NA	NA		NA	NA		0.01	0.49	0.07	0.57	0.57			NA	NA		NA	NA		NA	NA				
G2	22/8/2017	Mid-Flood	Fine	Moderate	8:25	12	B	11	3								0.01	0.49	0.07	0.57															
SR2	22/8/2017	Mid-Flood	Fine	Moderate	8:44	9	S	1	1	4	0.02			0.001			NA	NA	NA	NA	NA			NA			NA			NA					
SR2	22/8/2017	Mid-Flood	Fine	Moderate	8:44	9	S	1	2	6	0.02	0.02		0.001	0.001		NA	NA	NA	NA	NA			NA	NA		NA	NA		NA	NA				
SR2	22/8/2017	Mid-Flood	Fine	Moderate	8:44	9	S	1	3								NA	NA	NA	NA															
SR2	22/8/2017	Mid-Flood	Fine	Moderate	8:44	9	M	4.5	1	6	0.02			0.001			NA	NA	NA	NA	NA			NA			NA			NA					
SR2	22/8/2017	Mid-Flood	Fine	Moderate	8:44	9	M	4.5	2	7	0.03	0.03	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR2	22/8/2017	Mid-Flood	Fine	Moderate	8:44	9	M	4.5	3								NA	NA	NA	NA															
SR2	22/8/2017	Mid-Flood	Fine	Moderate	8:44	9	B	8	1	10	0.02			0.001			NA	NA	NA	NA	NA			NA			NA			NA					
SR2	22/8/2017	Mid-Flood	Fine	Moderate	8:44	9	B	8	2	8	0.02	0.02		0.001	0.001		NA	NA	NA	NA	NA			NA	NA		NA	NA		NA	NA				
SR2	22/8/2017	Mid-Flood	Fine	Moderate	8:44	9	B	8	3								NA	NA	NA	NA															
SR3	22/8/2017	Mid-Flood	Fine	Moderate	8:05	8	S	1	1	6	0.02			0.001			NA	NA	NA	NA	NA			NA			NA			NA					
SR3	22/8/2017	Mid-Flood	Fine	Moderate	8:05	8	S	1	2	6	0.01	0.02		0.000	0.001		NA	NA	NA	NA	NA			NA	NA		NA	NA		NA	NA				
SR3	22/8/2017	Mid-Flood	Fine	Moderate	8:05	8	S	1	3								NA	NA	NA	NA															
SR3	22/8/2017	Mid-Flood	Fine	Moderate	8:05	8	M	4	1	8	0.03			0.001			NA	NA	NA	NA	NA			NA			NA			NA					
SR3	22/8/2017	Mid-Flood	Fine	Moderate	8:05	8	M	4	2	8	0.04	0.04	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR3	22/8/2017	Mid-Flood	Fine	Moderate	8:05	8	M	4	3								NA	NA	NA	NA															
SR3	22/8/2017	Mid-Flood	Fine	Moderate	8:05	8	B	7	1	8	0.02			0.001			NA	NA	NA	NA	NA			NA			NA			NA					
SR3	22/8/2017	Mid-Flood	Fine	Moderate	8:05	8	B	7	2	9	0.02	0.02		0.001	0.001		NA	NA	NA	NA	NA			NA	NA		NA	NA		NA	NA				
SR3	22/8/2017	Mid-Flood	Fine	Moderate	8:05	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 <sub>5</sub> (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	22/8/2017	Mid-Flood	Fine	Moderate	7:40	4	S	1	1	4	5	0.06	0.06	0.07	0.002	0.002	0.003	NA	NA	NA	NA	NA	NA	41	38	38	NA	NA	NA	2	2	2								
SR4	22/8/2017	Mid-Flood	Fine	Moderate	7:40	4	S	1	2	6		0.05	0.06		0.002	0.002		NA	NA	NA	NA			NA	NA		35	38		NA	NA		2	2						
SR4	22/8/2017	Mid-Flood	Fine	Moderate	7:40	4	S	1	3							NA		NA	NA	NA	NA			NA																
SR4	22/8/2017	Mid-Flood	Fine	Moderate	7:40	4	M		1		NA			0.07			0.003	NA	NA	NA	NA	NA	NA			38	NA	NA	NA			NA								
SR4	22/8/2017	Mid-Flood	Fine	Moderate	7:40	4	M		2							NA		NA	NA	NA	NA			NA																
SR4	22/8/2017	Mid-Flood	Fine	Moderate	7:40	4	M		3							NA		NA	NA	NA	NA			NA	NA															
SR4	22/8/2017	Mid-Flood	Fine	Moderate	7:40	4	B	3	1	7	8	0.09	0.09	0.07	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	40	37	37	NA	NA	NA	2	2	2								
SR4	22/8/2017	Mid-Flood	Fine	Moderate	7:40	4	B	3	2	8		0.08	0.09		0.003	0.003		NA	NA	NA	NA			NA	NA		35	37		NA	NA		1	2						
SR4	22/8/2017	Mid-Flood	Fine	Moderate	7:40	4	B	3	3							NA		NA	NA	NA	NA			NA																
SR5	22/8/2017	Mid-Flood	Fine	Moderate	9:01	11	S	1	1	7	7	NA	NA	NA	NA	NA	NA	0.02	0.59	0.07	0.68	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR5	22/8/2017	Mid-Flood	Fine	Moderate	9:01	11	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	
SR5	22/8/2017	Mid-Flood	Fine	Moderate	9:01	11	S	1	3							NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR5	22/8/2017	Mid-Flood	Fine	Moderate	9:01	11	M	5.5	1	8	8	NA	NA	NA	NA	NA	NA	0.01	0.59	0.07	0.67	0.68	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR5	22/8/2017	Mid-Flood	Fine	Moderate	9:01	11	M	5.5	2	8		NA	NA		NA	NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR5	22/8/2017	Mid-Flood	Fine	Moderate	9:01	11	M	5.5	3							NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR5	22/8/2017	Mid-Flood	Fine	Moderate	9:01	11	B	10	1	7	7	NA	NA	NA	NA	NA	NA	0.02	0.59	0.07	0.68	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR5	22/8/2017	Mid-Flood	Fine	Moderate	9:01	11	B	10	2	7		NA	NA		NA	NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	
SR5	22/8/2017	Mid-Flood	Fine	Moderate	9:01	11	B	10	3							NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR12	22/8/2017	Mid-Flood	Fine	Moderate	7:15	15	S	1	1	4	5	0.14	0.11	0.08	0.006	0.004	0.003	NA	NA	NA	NA	NA	NA	35	36	36	NA	NA	NA	2	2	2								
SR12	22/8/2017	Mid-Flood	Fine	Moderate	7:15	15	S	1	2	6		0.07	0.11		0.003	0.004		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	
SR12	22/8/2017	Mid-Flood	Fine	Moderate	7:15	15	S	1	3							NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR12	22/8/2017	Mid-Flood	Fine	Moderate	7:15	15	M	7.5	1	4	5	0.04	0.05	0.08	0.002	0.002	0.003	NA	NA	NA	NA	NA	NA	21	26	26	NA	NA	NA	<1	1	1								
SR12	22/8/2017	Mid-Flood	Fine	Moderate	7:15	15	M	7.5	2	5		0.05	0.05		0.002	0.002		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	
SR12	22/8/2017	Mid-Flood	Fine	Moderate	7:15	15	M	7.5	3							NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR12	22/8/2017	Mid-Flood	Fine	Moderate	7:15	15	B	14	1	10	9	0.05	0.08	0.08	0.002	0.003	0.003	NA	NA	NA	NA	NA	NA	57	61	61	NA	NA	NA	1	1	1								
SR12	22/8/2017	Mid-Flood	Fine	Moderate	7:15	15	B	14	2	8		0.11	0.08		0.004	0.003		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	
SR12	22/8/2017	Mid-Flood	Fine	Moderate	7:15	15	B	14	3							NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR13	22/8/2017	Mid-Flood	Fine	Moderate	6:55	14	S	1	1	9	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	22/8/2017	Mid-Flood	Fine	Moderate	6:55	14	S	1	2	8		NA	NA		NA	NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR13	22/8/2017	Mid-Flood	Fine	Moderate	6:55	14	S	1	3							NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR13	22/8/2017	Mid-Flood	Fine	Moderate	6:55	14	M	7	1	8	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	22/8/2017	Mid-Flood	Fine	Moderate	6:55	14	M	7	2	9		NA	NA		NA	NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR13	22/8/2017	Mid-Flood	Fine	Moderate	6:55	14	M	7	3							NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR13	22/8/2017	Mid-Flood	Fine	Moderate	6:55	14	B	13	1	8	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
SR13	22/8/2017	Mid-Flood	Fine	Moderate	6:55	14	B	13	2	9		NA	NA		NA	NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR13	22/8/2017	Mid-Flood	Fine	Moderate	6:55	14	B	13	2	9		NA	NA		NA	NA		NA	NA	NA	NA			NA	NA		NA	NA		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
SR13	22/8/2017	Mid-Flood	Fine	Moderate	6:55	14	B	13	3					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

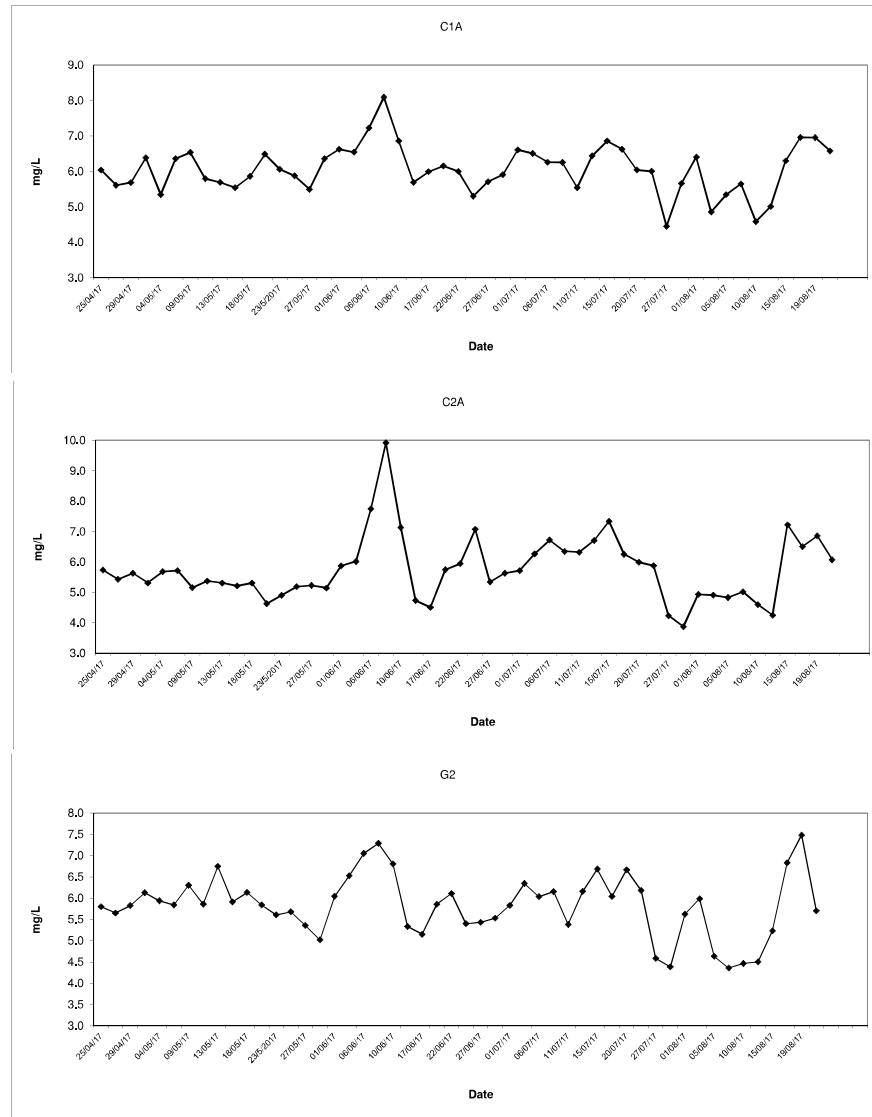
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD <sub>5</sub> (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	22/8/2017	Mid-Ebb	Fine	Moderate	9:25	28	S	1	1	6																							
C1A	22/8/2017	Mid-Ebb	Fine	Moderate	9:25	28	S	1	2	4	0.02	0.02	0.02	0.001	0.001	0.001	0.02	0.79	0.09	0.90	0.91	33	37	37	NA	NA	NA	2	2	2			
C1A	22/8/2017	Mid-Ebb	Fine	Moderate	9:25	28	S	1	3																								
C1A	22/8/2017	Mid-Ebb	Fine	Moderate	9:25	28	M	14	1	5	0.02	0.02	0.02	0.001	0.001	0.001	0.02	0.82	0.09	0.93	0.94	32	35	37	NA	NA	NA	1	1	2			
C1A	22/8/2017	Mid-Ebb	Fine	Moderate	9:25	28	M	14	2	5	0.02	0.02	0.02	0.001	0.001	0.001	0.02	0.82	0.09	0.93	0.94	39	35	37	NA	NA	NA	<1	1	2			
C1A	22/8/2017	Mid-Ebb	Fine	Moderate	9:25	28	M	14	3																								
C1A	22/8/2017	Mid-Ebb	Fine	Moderate	9:25	28	B	27	1	5	0.03	0.03	0.03	0.001	0.001	0.001	0.03	0.79	0.09	0.91	0.91	36	38	37	NA	NA	NA	<1	2	2			
C1A	22/8/2017	Mid-Ebb	Fine	Moderate	9:25	28	B	27	2	5	0.02	0.03	0.02	0.001	0.001	0.001	0.02	0.79	0.09	0.90	0.91	41	38	37	NA	NA	NA	2	2	2			
C1A	22/8/2017	Mid-Ebb	Fine	Moderate	9:25	28	B	27	3																								
C2A	22/8/2017	Mid-Ebb	Fine	Moderate	12:06	13	S	1	1	5	0.15	0.15	0.15	0.008	0.008	0.008	0.15	0.35	0.05	0.55	0.53	23	25	28	NA	NA	NA	2	2	2			
C2A	22/8/2017	Mid-Ebb	Fine	Moderate	12:06	13	S	1	2	5	0.14	0.15	0.14	0.008	0.008	0.008	0.14	0.34	0.05	0.53	0.53	27	25	28	NA	NA	NA	1	2	2			
C2A	22/8/2017	Mid-Ebb	Fine	Moderate	12:06	13	S	1	3																								
C2A	22/8/2017	Mid-Ebb	Fine	Moderate	12:06	13	M	6.5	1	5	0.16	0.15	0.16	0.008	0.008	0.008	0.16	0.35	0.05	0.56	0.57	24	26	28	NA	NA	NA	2	2	2			
C2A	22/8/2017	Mid-Ebb	Fine	Moderate	12:06	13	M	6.5	2	7	0.20	0.18	0.20	0.010	0.009	0.007	0.20	0.34	0.05	0.59	0.57	28	26	28	NA	NA	NA	1	2	1			
C2A	22/8/2017	Mid-Ebb	Fine	Moderate	12:06	13	M	6.5	3																								
C2A	22/8/2017	Mid-Ebb	Fine	Moderate	12:06	13	B	12	1	9	0.08	0.09	0.08	0.004	0.004	0.004	0.08	0.32	0.05	0.45	0.45	35	33	28	NA	NA	NA	1	1	1			
C2A	22/8/2017	Mid-Ebb	Fine	Moderate	12:06	13	B	12	2	9	0.09	0.09	0.09	0.004	0.004	0.004	0.09	0.32	0.05	0.46	0.45	31	33	28	NA	NA	NA	1	1	1			
C2A	22/8/2017	Mid-Ebb	Fine	Moderate	12:06	13	B	12	3																								
G2	22/8/2017	Mid-Ebb	Fine	Moderate	10:16	12	S	1	1	7	NA	NA	NA	NA	NA	NA	0.07	0.56	0.07	0.70	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	22/8/2017	Mid-Ebb	Fine	Moderate	10:16	12	S	1	2	7	NA	NA	NA	NA	NA	NA	0.01	0.55	0.07	0.63	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	22/8/2017	Mid-Ebb	Fine	Moderate	10:16	12	S	1	3								0.04	0.56	0.07	0.67	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	22/8/2017	Mid-Ebb	Fine	Moderate	10:16	12	M	6	1	9	NA	NA	NA	NA	NA	NA	0.02	0.49	0.06	0.57	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	22/8/2017	Mid-Ebb	Fine	Moderate	10:16	12	M	6	2	7	NA	NA	NA	NA	NA	NA	0.04	0.48	0.07	0.59	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	22/8/2017	Mid-Ebb	Fine	Moderate	10:16	12	M	6	3								0.02	0.48	0.07	0.57	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	22/8/2017	Mid-Ebb	Fine	Moderate	10:16	12	B	11	1	8	NA	NA	NA	NA	NA	NA	0.03	0.49	0.07	0.59	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	22/8/2017	Mid-Ebb	Fine	Moderate	10:16	12	B	11	2	9	NA	NA	NA	NA	NA	NA	0.02	0.49	0.07	0.58	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
G2	22/8/2017	Mid-Ebb	Fine	Moderate	10:16	12	B	11	3								0.02	0.49	0.07	0.58	0.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	22/8/2017	Mid-Ebb	Fine	Moderate	9:58	9	S	1	1	4	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SR2	22/8/2017	Mid-Ebb	Fine	Moderate	9:58	9	S	1	2	4	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	22/8/2017	Mid-Ebb	Fine	Moderate	9:58	9	S	1	3								NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	22/8/2017	Mid-Ebb	Fine	Moderate	9:58	9	M	4.5	1	6	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	22/8/2017	Mid-Ebb	Fine	Moderate	9:58	9	M	4.5	2	6	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	22/8/2017	Mid-Ebb	Fine	Moderate	9:58	9	M	4.5	3								NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	22/8/2017	Mid-Ebb	Fine	Moderate	9:58	9	B	8	1	5	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	22/8/2017	Mid-Ebb	Fine	Moderate	9:58	9	B	8	2	5	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR2	22/8/2017	Mid-Ebb	Fine	Moderate	9:58	9	B	8	3								NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	22/8/2017	Mid-Ebb	Fine	Moderate	10:40	8	S	1	1	4	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	22/8/2017	Mid-Ebb	Fine	Moderate	10:40	8	S	1	2	5	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	22/8/2017	Mid-Ebb	Fine	Moderate	10:40	8	S	1	3								NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	22/8/2017	Mid-Ebb	Fine	Moderate	10:40	8	M	4	1	4	0.01	0.02	0.01	0.000	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	22/8/2017	Mid-Ebb	Fine	Moderate	10:40	8	M	4	2	5	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	22/8/2017	Mid-Ebb	Fine	Moderate	10:40	8	M	4	3								NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	22/8/2017	Mid-Ebb	Fine	Moderate	10:40	8	B	7	1	6	0.02	0.02	0.02	0.001	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	22/8/2017	Mid-Ebb	Fine	Moderate	10:40	8	B	7	2	5	0.01	0.02	0.01	0.000	0.001	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR3	22/8/2017	Mid-Ebb	Fine	Moderate	10:40	8	B	7	3								NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

Impact Monitoring Data

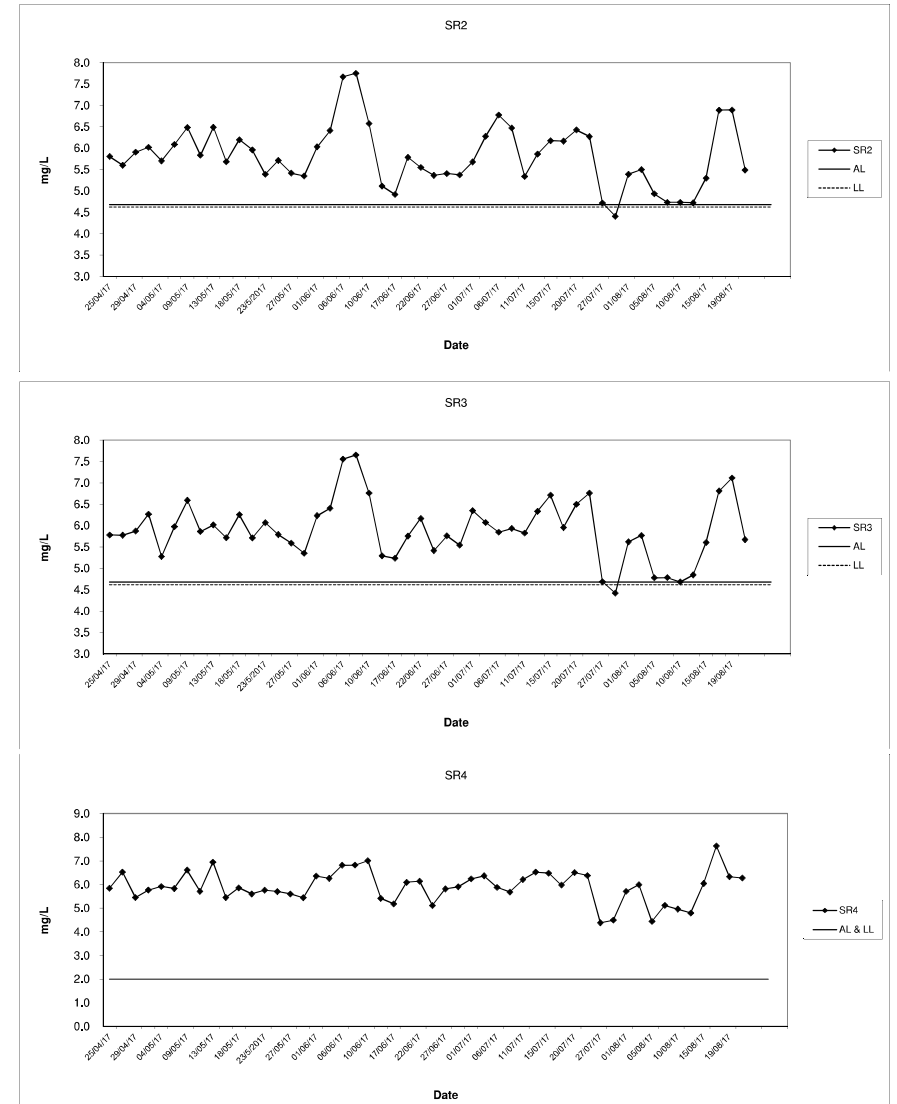
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Laboratory Analysis																							
										Total Suspended Solids (mg/L)			Ammonia Nitrogen (mg/L-N)			UIA (mg/L-N)			TIN-Ammonia (mg/L-N)	TIN-Nitrate (mg/L-N)	TIN-Nitrite (mg/L-N)	Total Inorganic Nitrogen (mg/L-N)			E.coli (cfu/100mL)			Synthetic Detergent (mg/L)			BOD <sub>5</sub> (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	22/8/2017	Mid-Ebb	Fine	Moderate	10:57	4	S	1	1	4	4	6	0.07	0.05	0.06	0.003	0.002	0.002	NA	NA	NA	NA	NA	320	335	273	NA	NA	NA	2	2	2	
SR4	22/8/2017	Mid-Ebb	Fine	Moderate	10:57	4	S	1	2	4			0.03	0.05	0.06	0.003	0.001	0.002	NA	NA	NA	NA	NA	350	335	273	NA	NA	NA	2	2	2	
SR4	22/8/2017	Mid-Ebb	Fine	Moderate	10:57	4	S	1	3	4			0.07	0.05	0.06	0.003	0.001	0.002	NA	NA	NA	NA	NA	350	335	273	NA	NA	NA	2	2	2	
SR4	22/8/2017	Mid-Ebb	Fine	Moderate	10:57	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	22/8/2017	Mid-Ebb	Fine	Moderate	10:57	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	
SR4	22/8/2017	Mid-Ebb	Fine	Moderate	10:57	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	NA	
SR4	22/8/2017	Mid-Ebb	Fine	Moderate	10:57	4	B	3	1	7	0.07	0.07	0.07	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	260	222	273	NA	NA	NA	1	2	2		
SR4	22/8/2017	Mid-Ebb	Fine	Moderate	10:57	4	B	3	2	9	0.07	0.07	0.07	0.003	0.003	0.003	NA	NA	NA	NA	NA	NA	190	222	273	NA	NA	NA	2	2	2		
SR5	22/8/2017	Mid-Ebb	Fine	Moderate	9:40	11	S	1	1	6	NA	NA	NA	NA	NA	NA	0.01	0.59	0.07	0.67	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2017	Mid-Ebb	Fine	Moderate	9:40	11	S	1	2	7	NA	NA	NA	NA	NA	NA	0.01	0.59	0.08	0.68	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR5	22/8/2017	Mid-Ebb	Fine	Moderate	9:40	11	S	1	3	3	NA	NA	NA	NA	NA	NA	0.03	0.59	0.07	0.69	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	22/8/2017	Mid-Ebb	Fine	Moderate	9:40	11	M	5.5	1	7	NA	NA	NA	NA	NA	NA	0.01	0.59	0.07	0.67	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	22/8/2017	Mid-Ebb	Fine	Moderate	9:40	11	M	5.5	2	7	NA	NA	NA	NA	NA	NA	<0.01	0.59	0.07	0.66	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	22/8/2017	Mid-Ebb	Fine	Moderate	9:40	11	M	5.5	3	3	NA	NA	NA	NA	NA	NA	0.01	0.59	0.07	0.67	0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	22/8/2017	Mid-Ebb	Fine	Moderate	9:40	11	B	10	1	8	NA	NA	NA	NA	NA	NA	0.02	0.59	0.07	0.68	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	22/8/2017	Mid-Ebb	Fine	Moderate	9:40	11	B	10	2	7	NA	NA	NA	NA	NA	NA	0.02	0.59	0.07	0.68	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR5	22/8/2017	Mid-Ebb	Fine	Moderate	9:40	11	B	10	3	3	NA	NA	NA	NA	NA	NA	0.02	0.59	0.07	0.68	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SR12	22/8/2017	Mid-Ebb	Fine	Moderate	11:18	15	S	1	1	5	4	5	0.10	0.08	0.06	0.004	0.003	0.003	NA	NA	NA	NA	NA	74	71	84	NA	NA	NA	1	2	2	
SR12	22/8/2017	Mid-Ebb	Fine	Moderate	11:18	15	S	1	2	3			0.05	0.05	0.05	0.002	0.002	0.002	NA	NA	NA	NA	NA	68	71	84	NA	NA	NA	2	2	2	
SR12	22/8/2017	Mid-Ebb	Fine	Moderate	11:18	15	S	1	3	3			0.05	0.05	0.05	0.002	0.002	0.002	NA	NA	NA	NA	NA	210	224	84	NA	NA	NA	1	1	1	
SR12	22/8/2017	Mid-Ebb	Fine	Moderate	11:18	15	M	7.5	2	4			0.05	0.05	0.05	0.002	0.002	0.002	NA	NA	NA	NA	NA	240	224	84	NA	NA	NA	1	1	1	
SR12	22/8/2017	Mid-Ebb	Fine	Moderate	11:18	15	M	7.5	3	3	0.05	0.05	0.05	0.002	0.002	0.002	NA	NA	NA	NA	NA	35	38	84	NA	NA	NA	1	1	1			
SR12	22/8/2017	Mid-Ebb	Fine	Moderate	11:18	15	B	14	1	8	0.08	0.07	0.07	0.003	0.003	0.003	NA	NA	NA	NA	NA	41	38	84	NA	NA	NA	1	1	1			
SR12	22/8/2017	Mid-Ebb	Fine	Moderate	11:18	15	B	14	3	3	0.08	0.07	0.07	0.003	0.003	0.003	NA	NA	NA	NA	NA	41	38	84	NA	NA	NA	1	1	1			
SR13	22/8/2017	Mid-Ebb	Fine	Moderate	11:42	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	22/8/2017	Mid-Ebb	Fine	Moderate	11:42	14	S	1	2	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2017	Mid-Ebb	Fine	Moderate	11:42	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	22/8/2017	Mid-Ebb	Fine	Moderate	11:42	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		
SR13	22/8/2017	Mid-Ebb	Fine	Moderate	11:42	14	M	7	2	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2017	Mid-Ebb	Fine	Moderate	11:42	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	22/8/2017	Mid-Ebb	Fine	Moderate	11:42	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	22/8/2017	Mid-Ebb	Fine	Moderate	11:42	14	B	13	2	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SR13	22/8/2017	Mid-Ebb	Fine	Moderate	11:42	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.

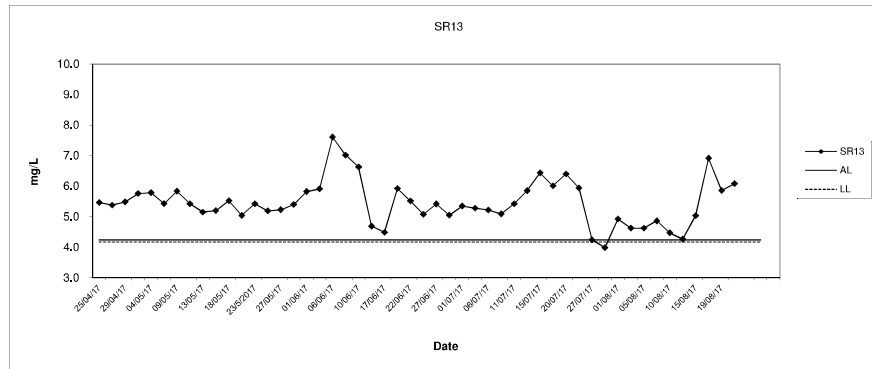
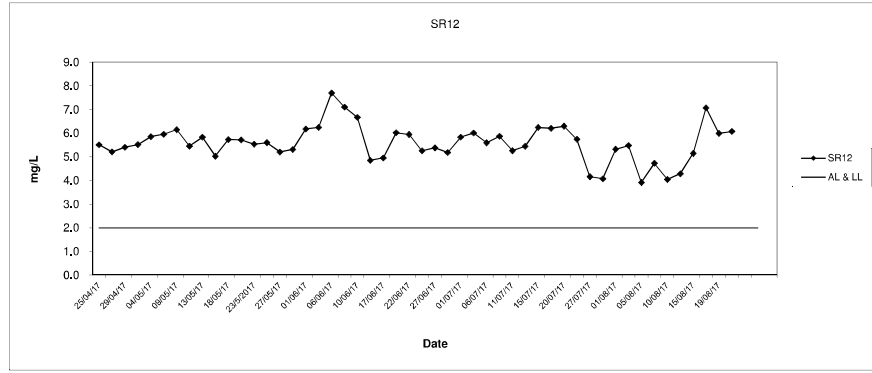
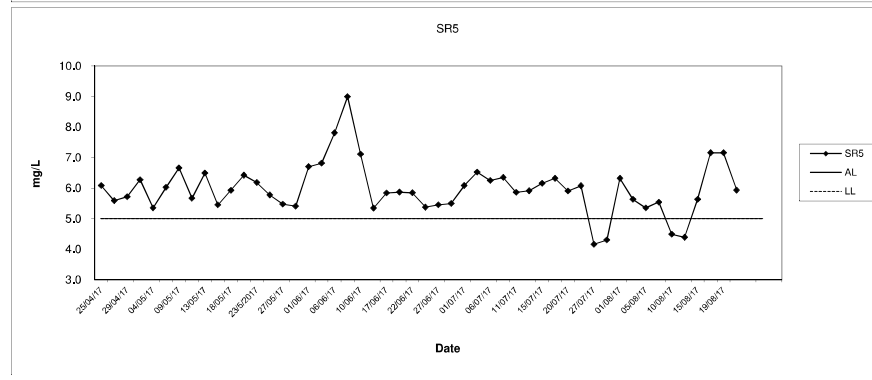
Dissolved Oxygen (Surface and Middle) at Mid-Flood Tide



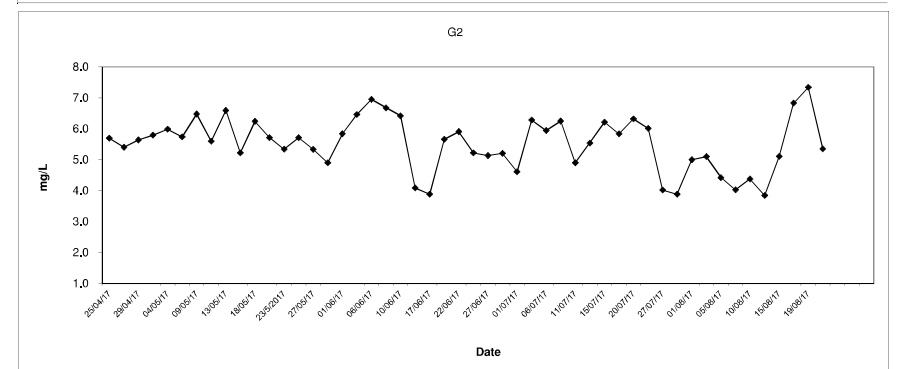
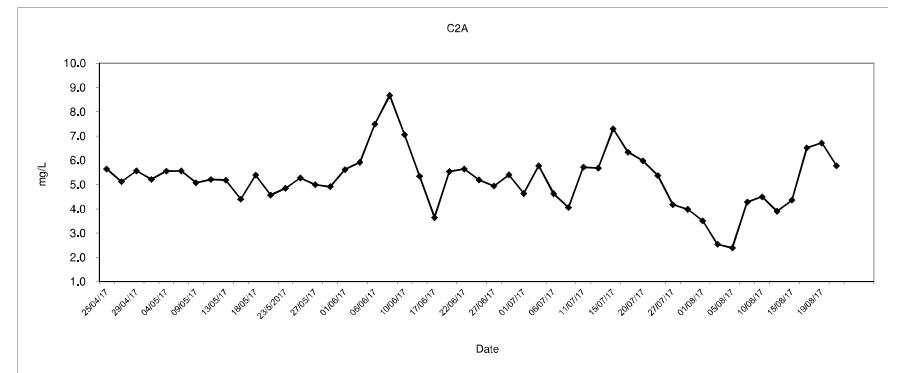
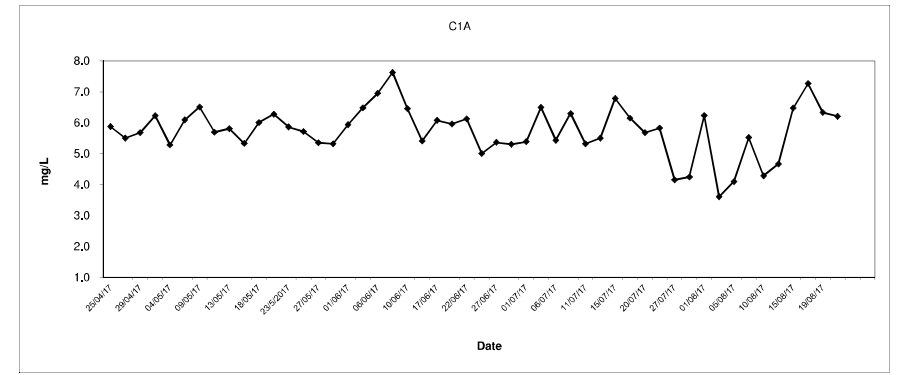
Dissolved Oxygen (Surface and Middle) at Mid-Flood Tide



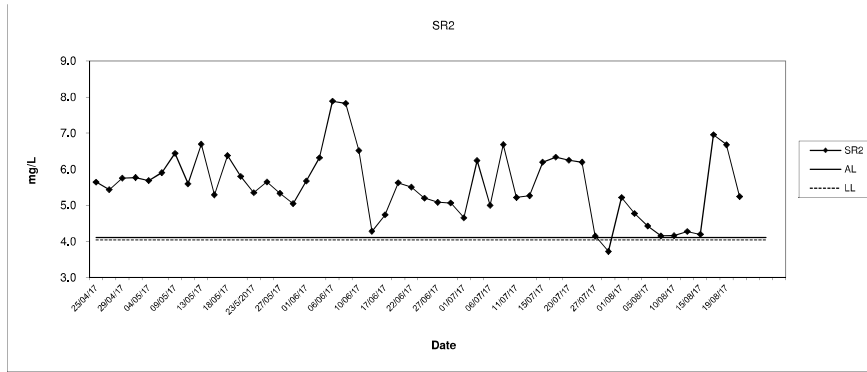
Dissolved Oxygen (Surface and Middle) at Mid-Flood Tide



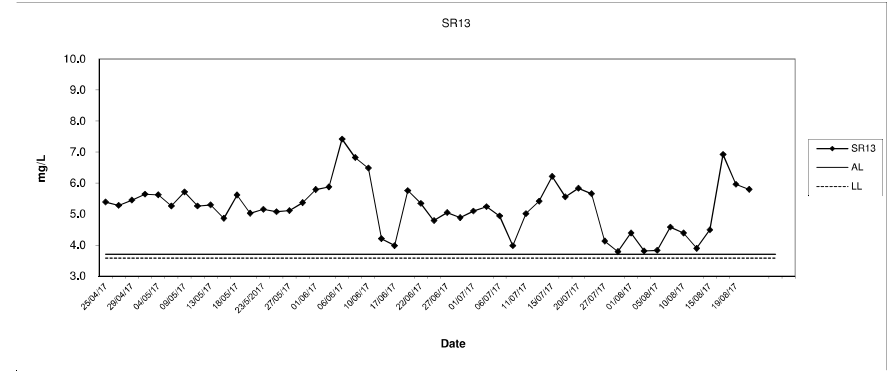
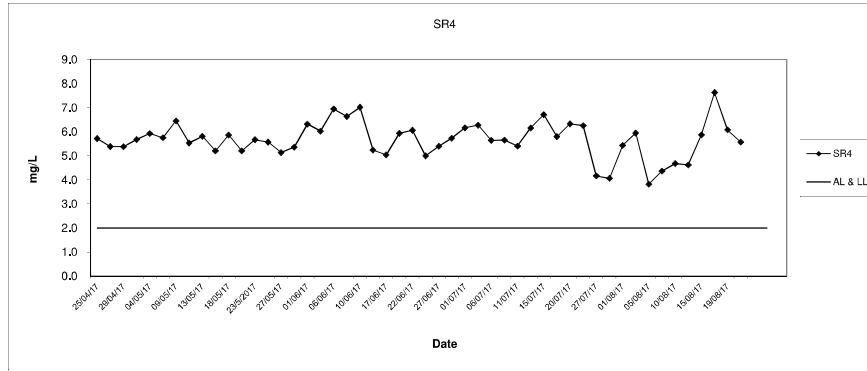
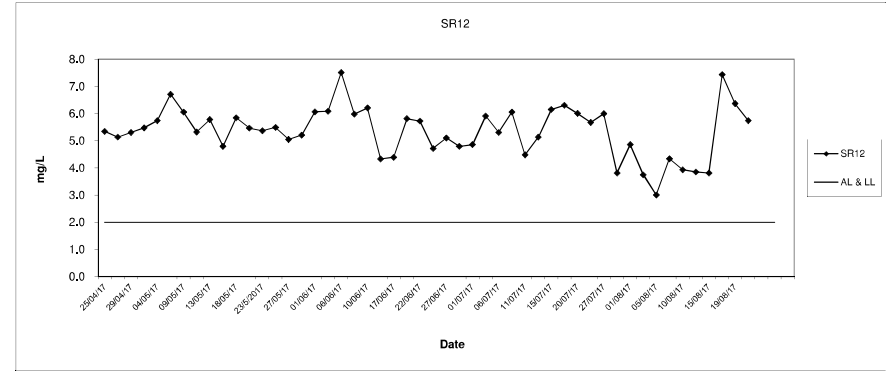
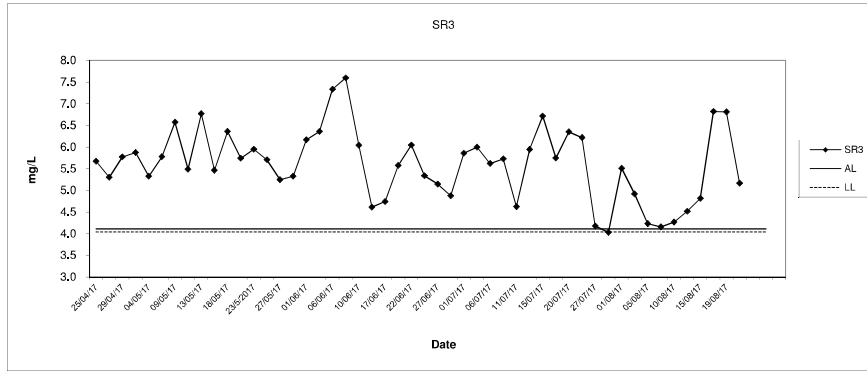
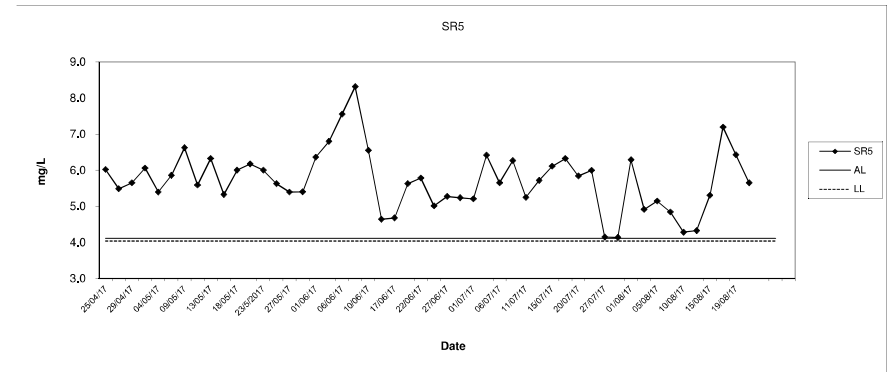
Dissolved Oxygen (Bottom) at Mid-Flood Tide



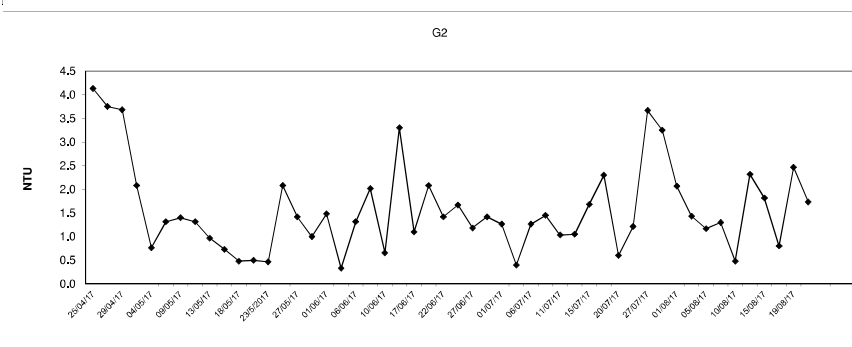
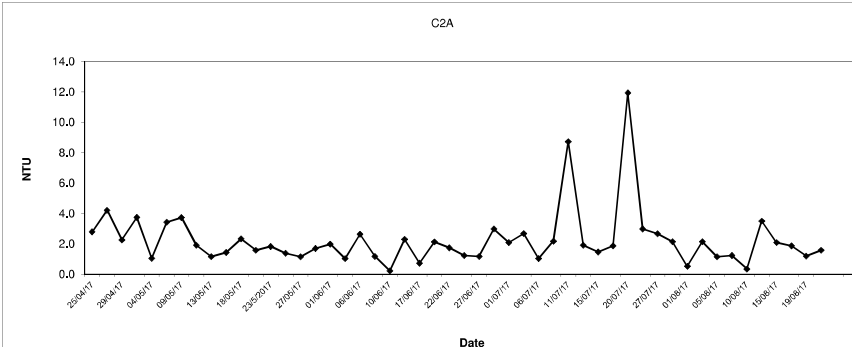
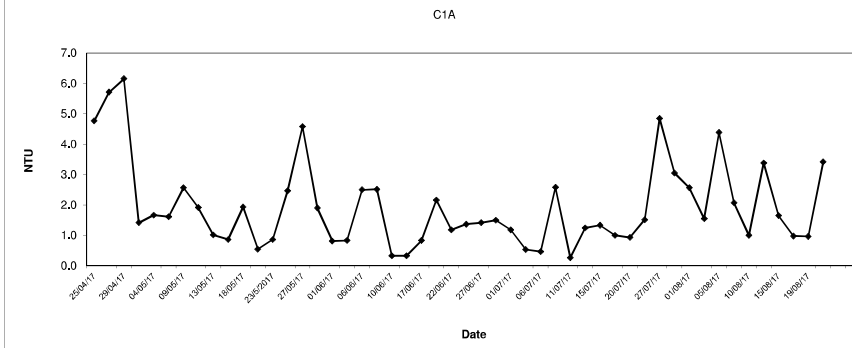
Dissolved Oxygen (Bottom) at Mid-Flood Tide



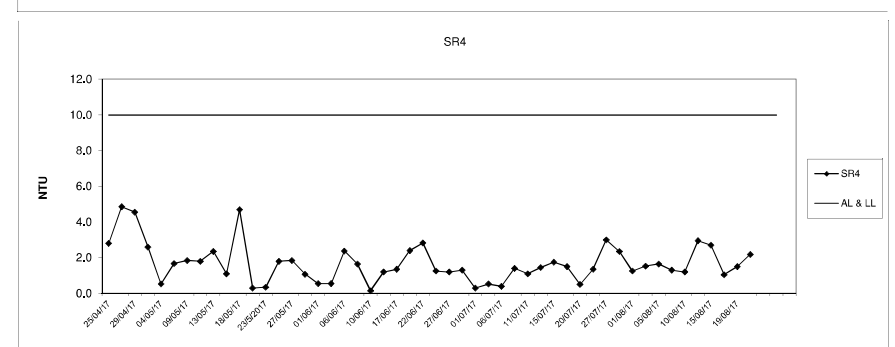
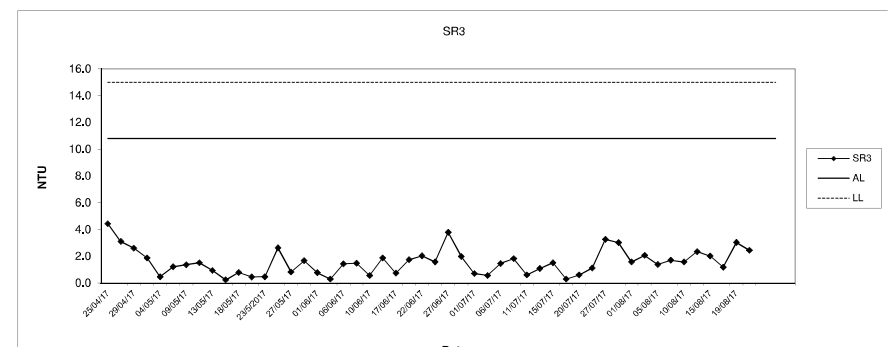
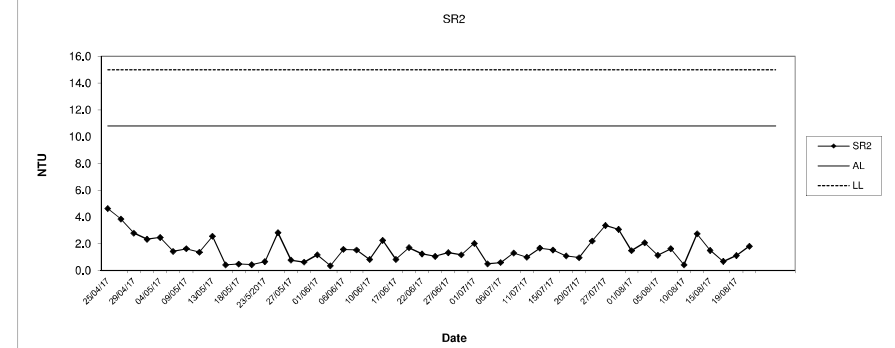
Dissolved Oxygen (Bottom) at Mid-Flood Tide



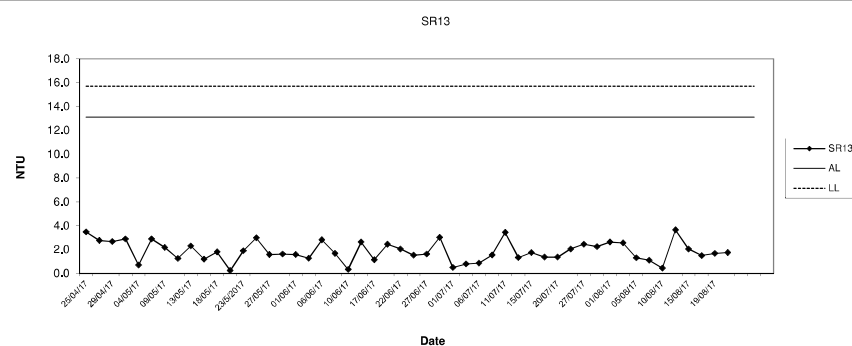
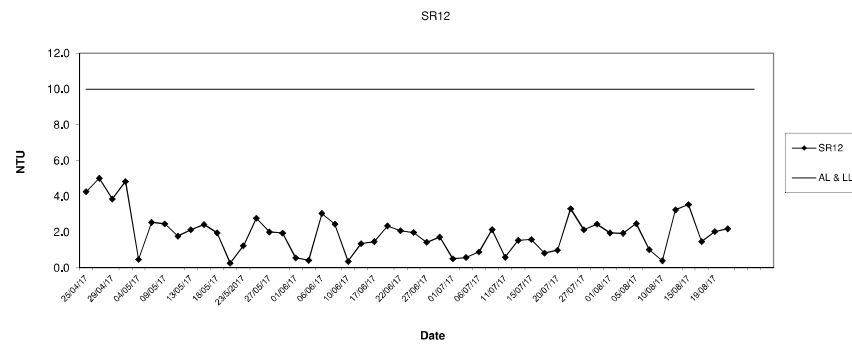
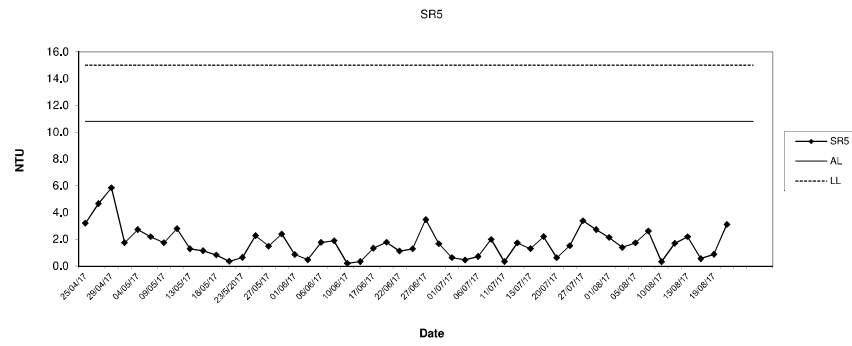
Turbidity (Depth average) at Mid-Flood Tide



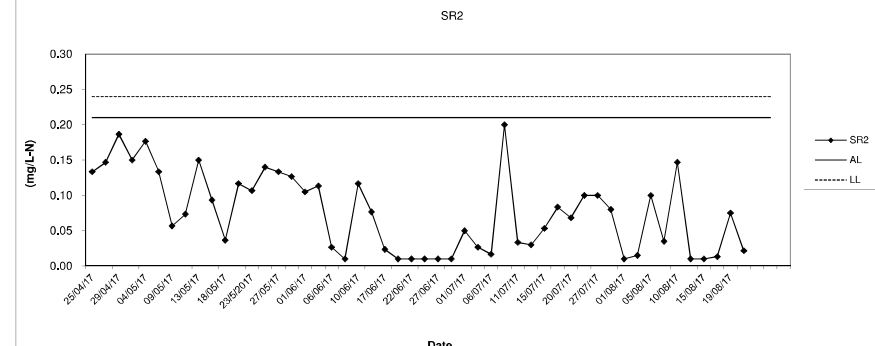
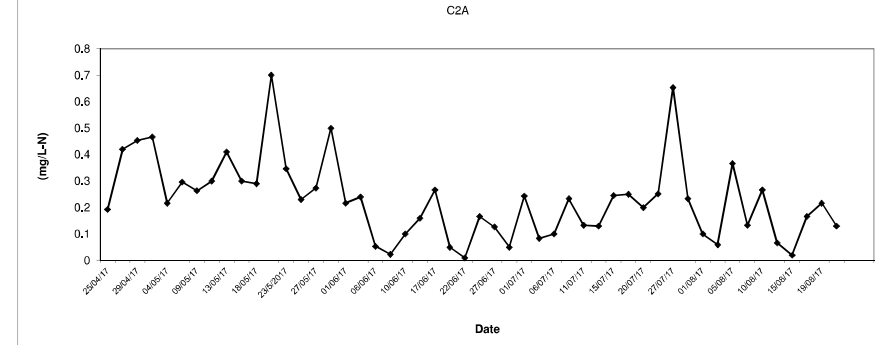
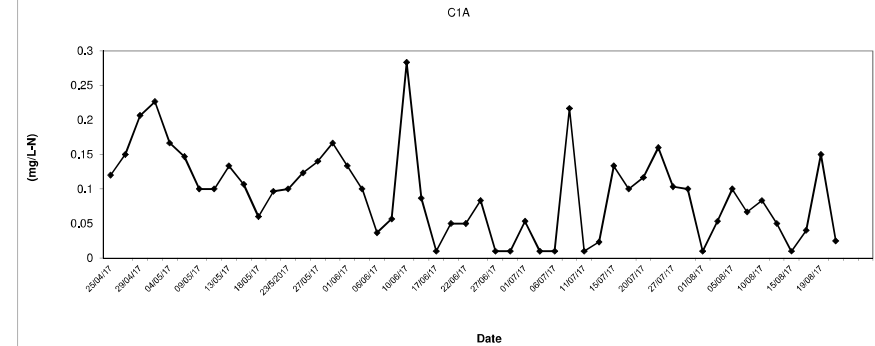
Turbidity (Depth average) at Mid-Flood Tide



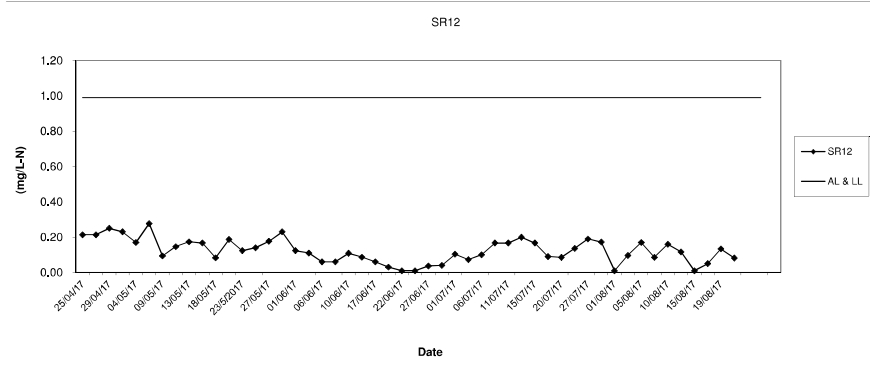
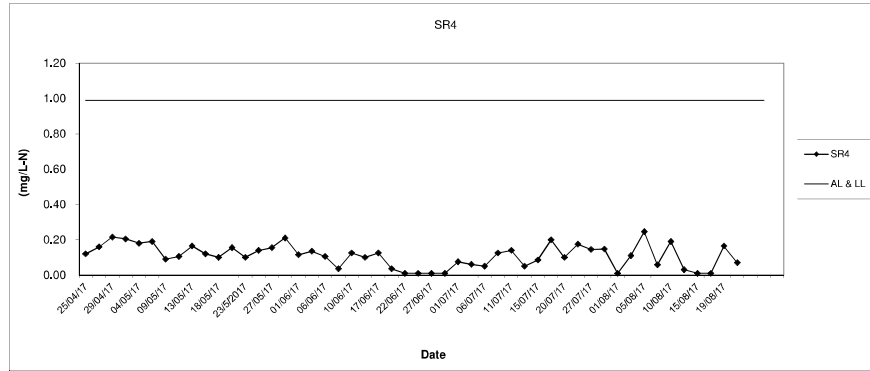
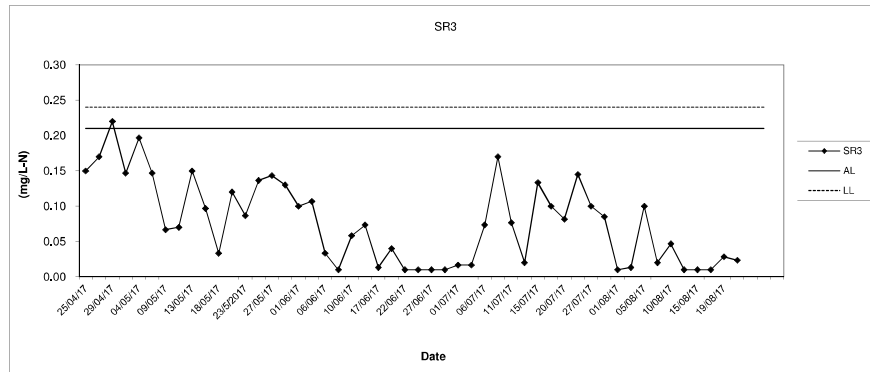
Turbidity (Depth average) at Mid-Flood Tide



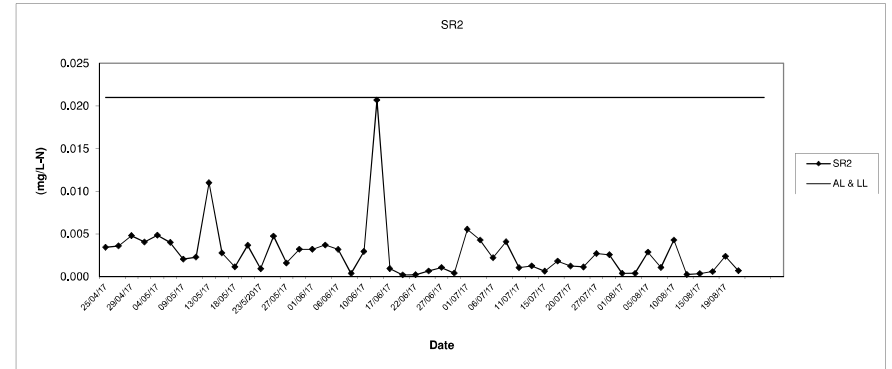
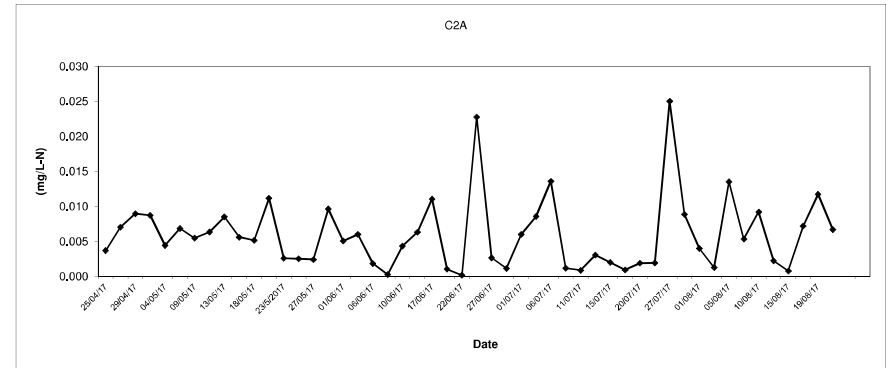
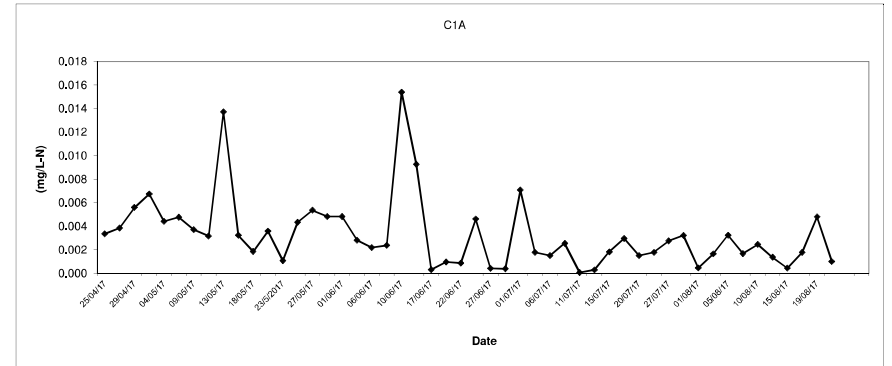
In-situ Ammonia (Depth average) at Mid-Flood Tide



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

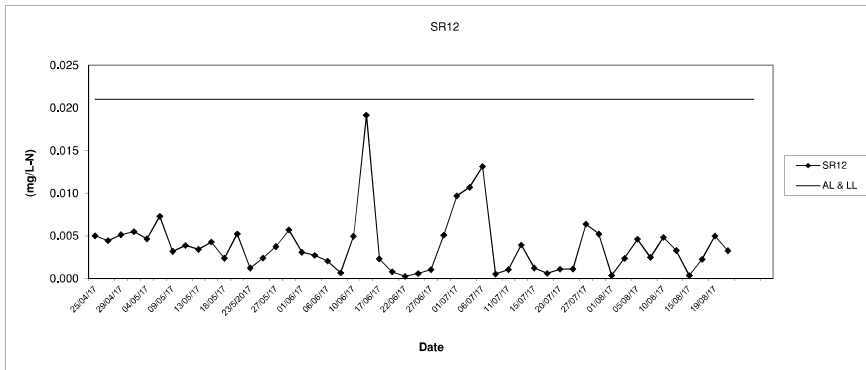
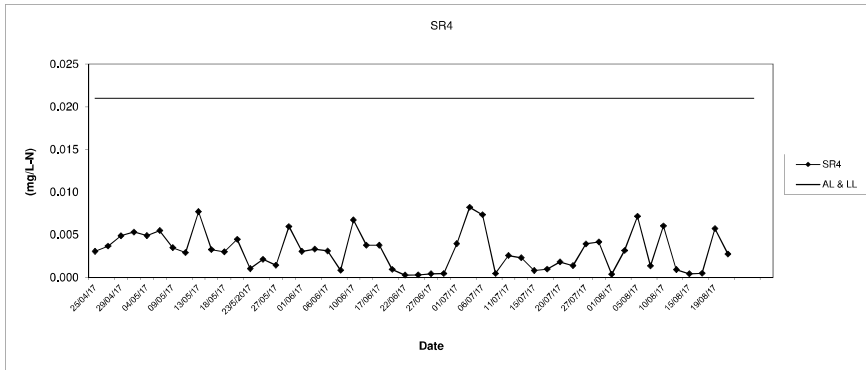
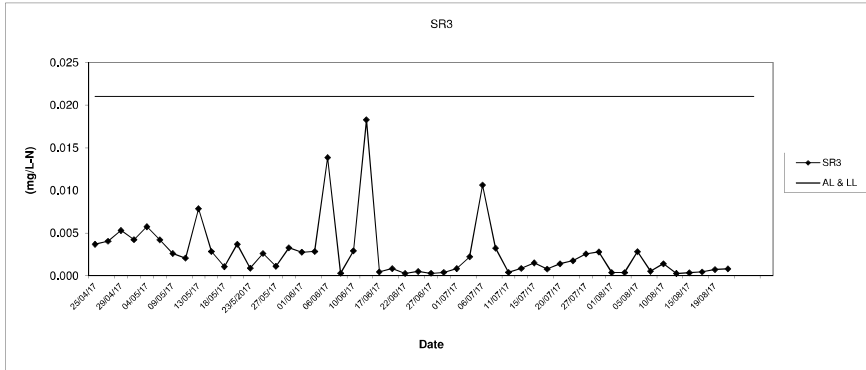


In-situ UIA (Depth average) at Mid-Flood Tide

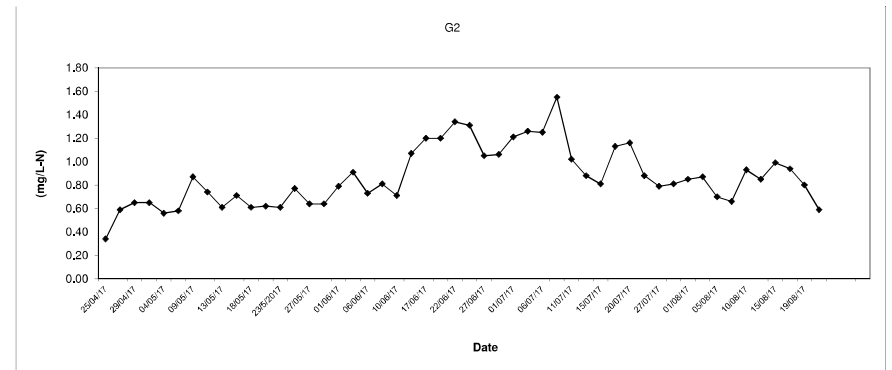
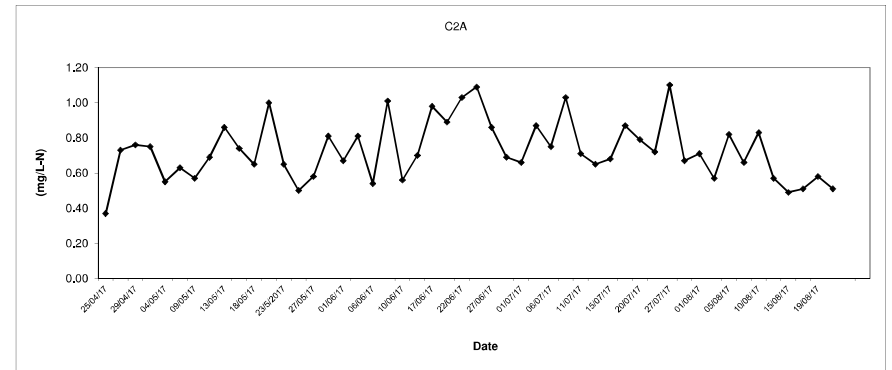
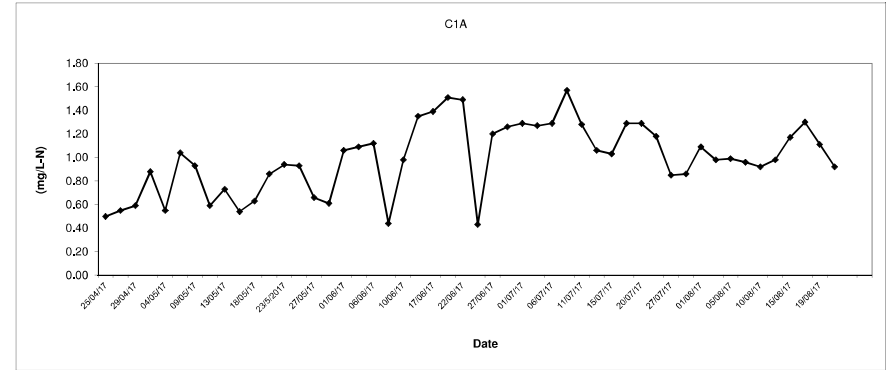




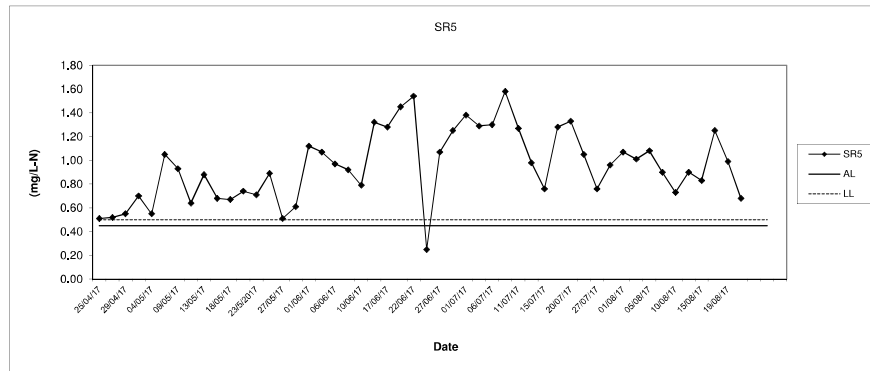
In-situ UIA (Depth average) at Mid-Flood Tide



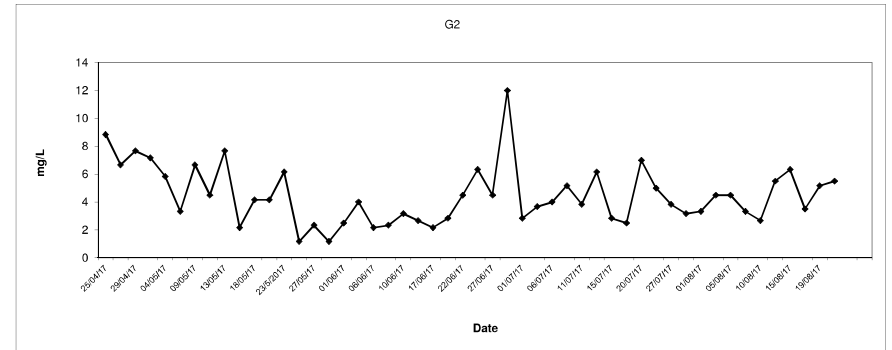
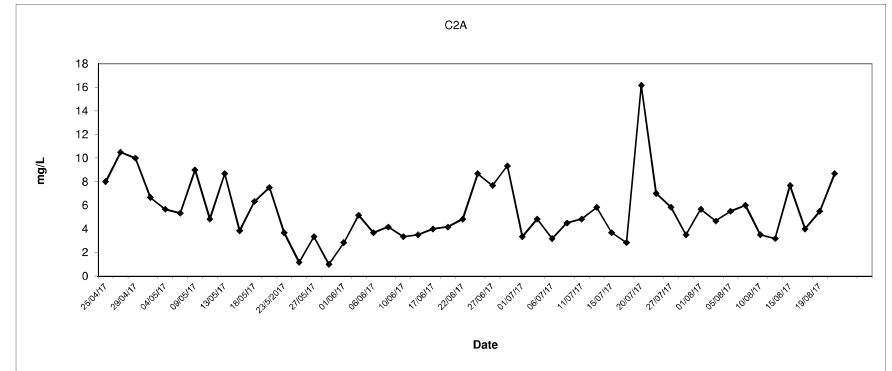
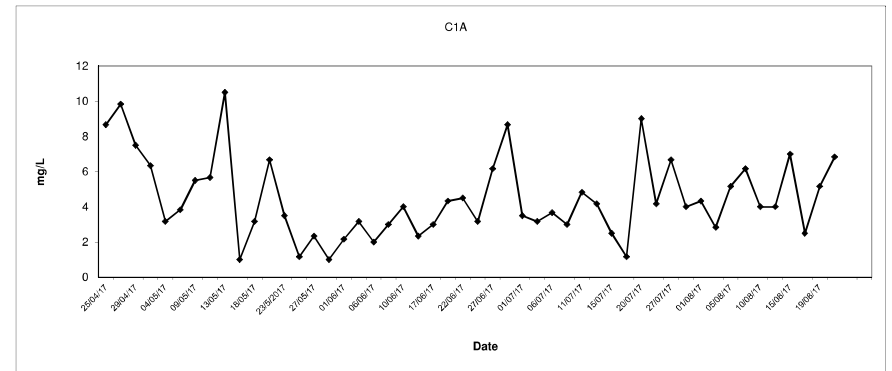
In-situ TIN (Depth average) at Mid-Flood Tide



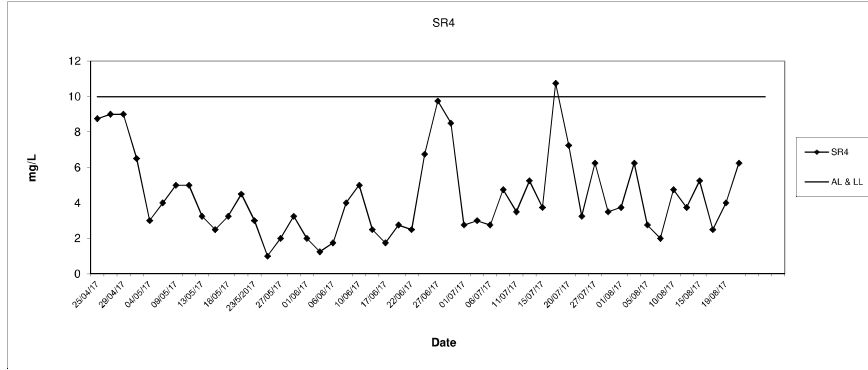
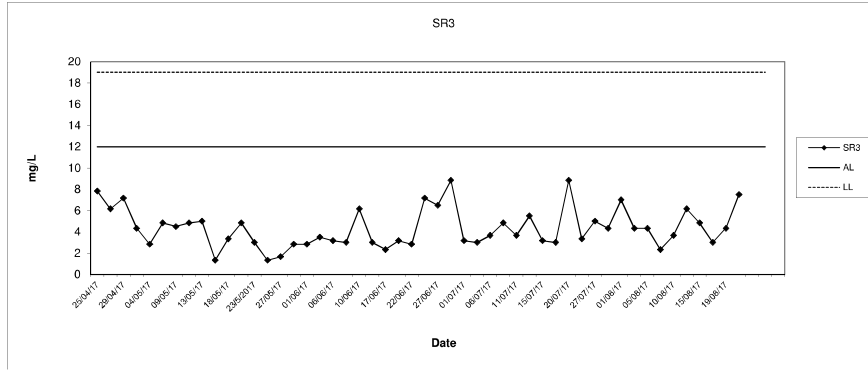
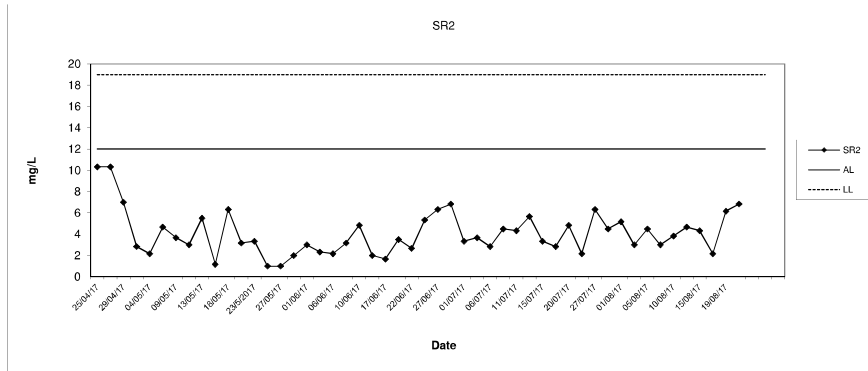
In-situ TIN (Depth average) at Mid-Flood Tide



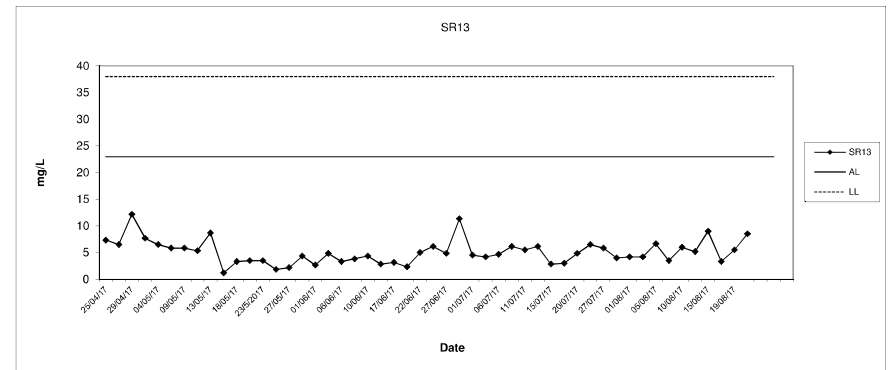
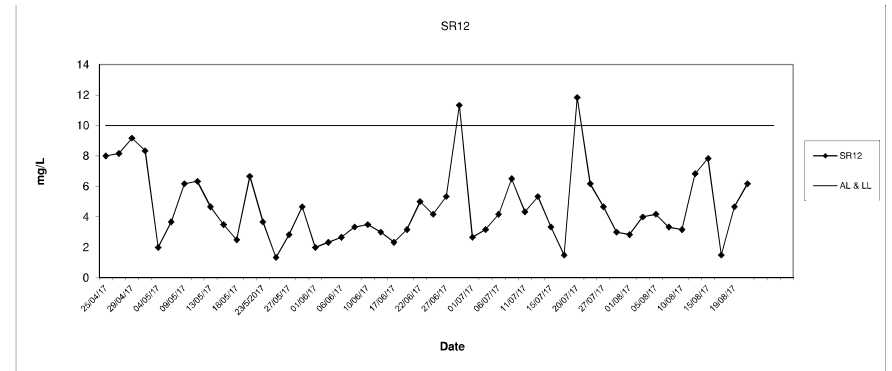
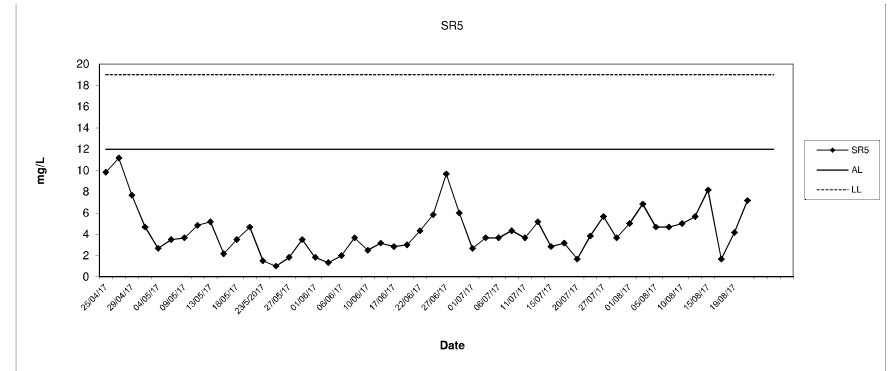
Total Suspended Solids (Depth average) at Mid-Flood Tide



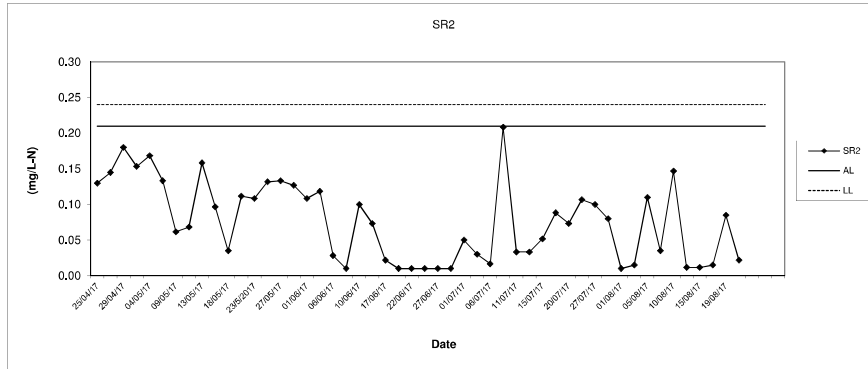
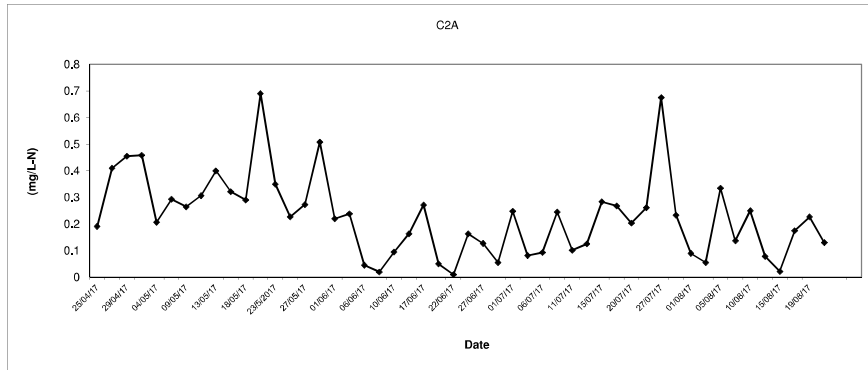
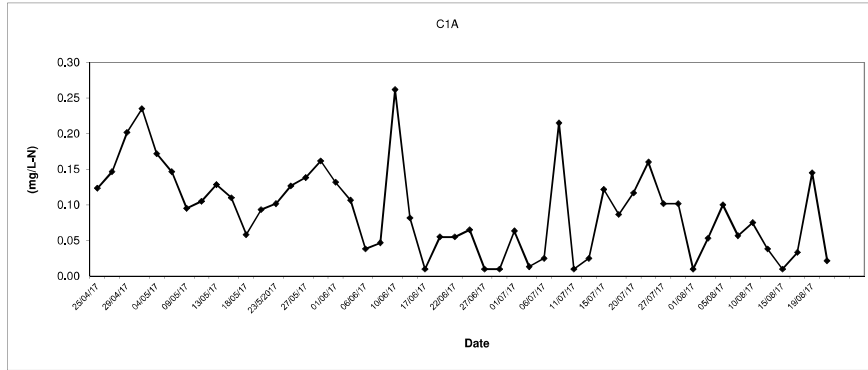
Total Suspended Solids (Depth average) at Mid-Flood Tide



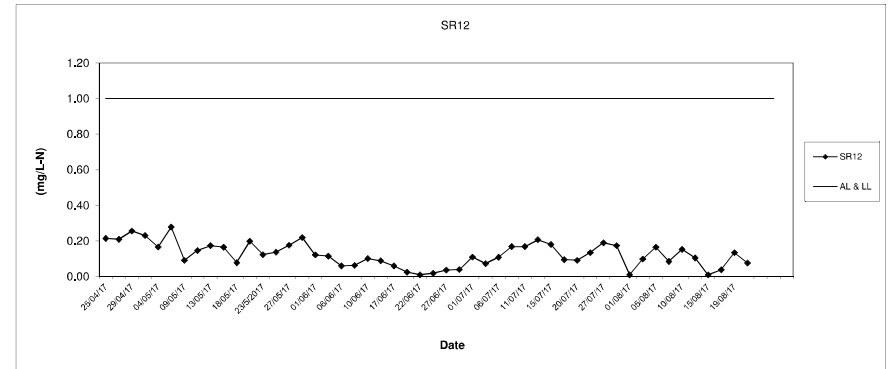
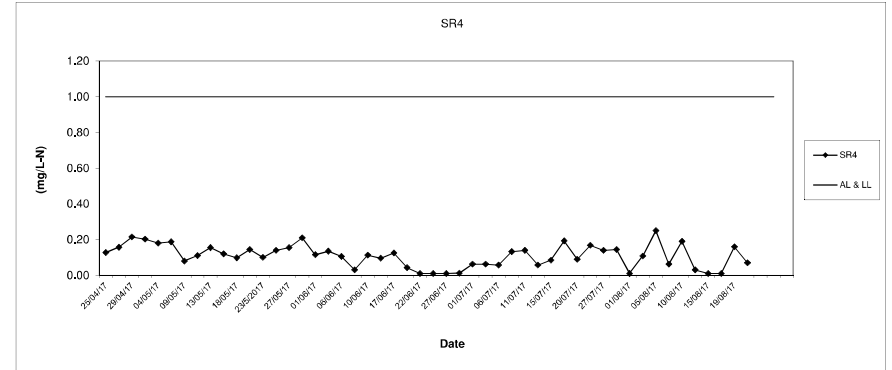
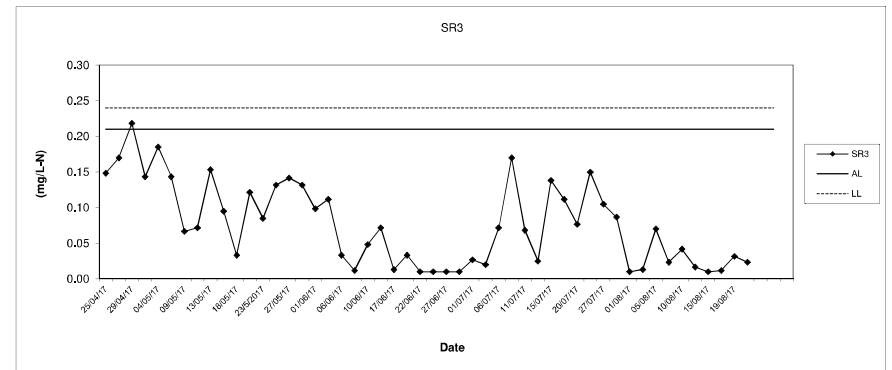
Total Suspended Solids (Depth average) at Mid-Flood Tide



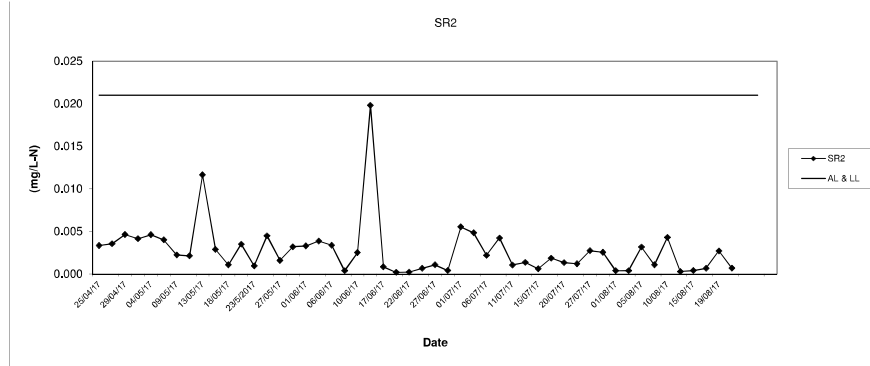
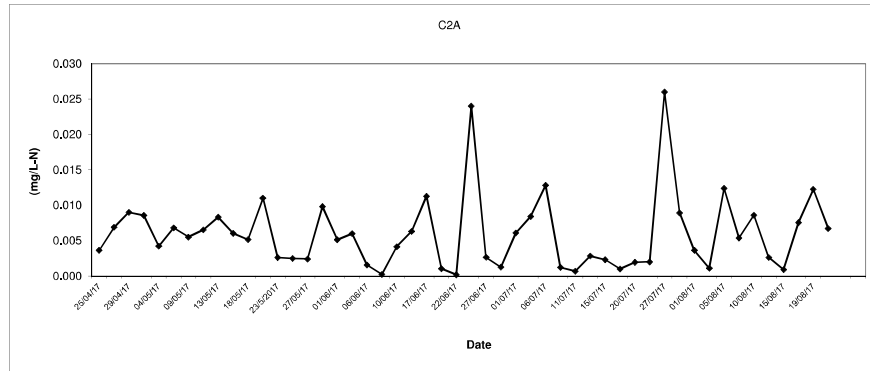
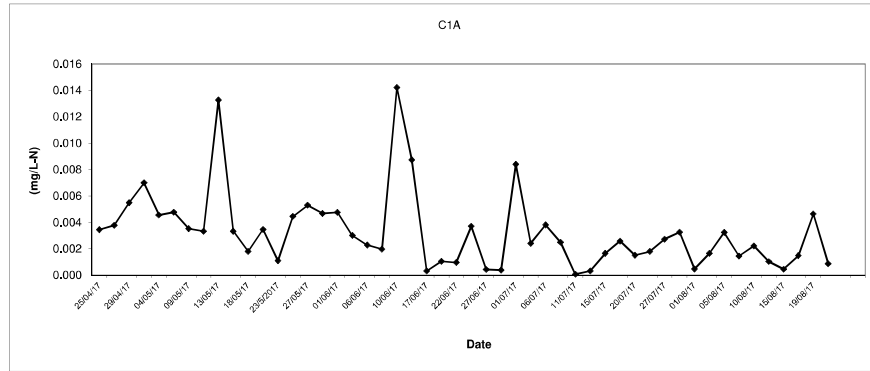
Ammonia Nitrogen (Depth average) at Mid-Flood Tide



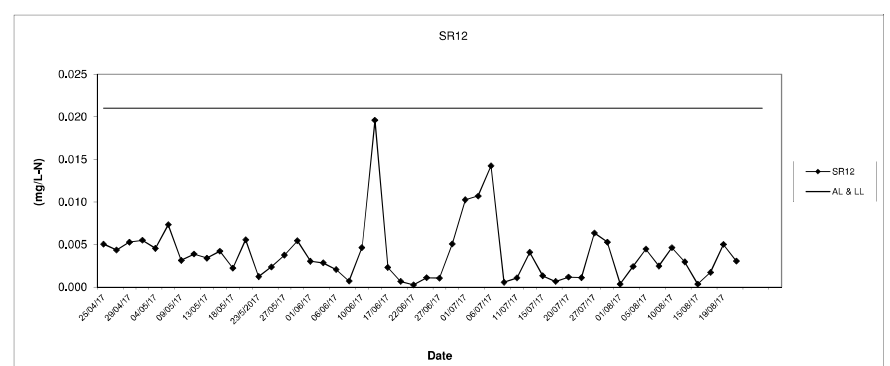
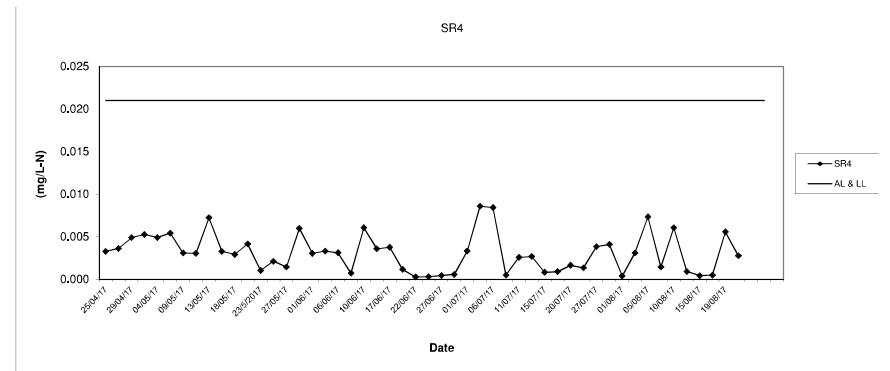
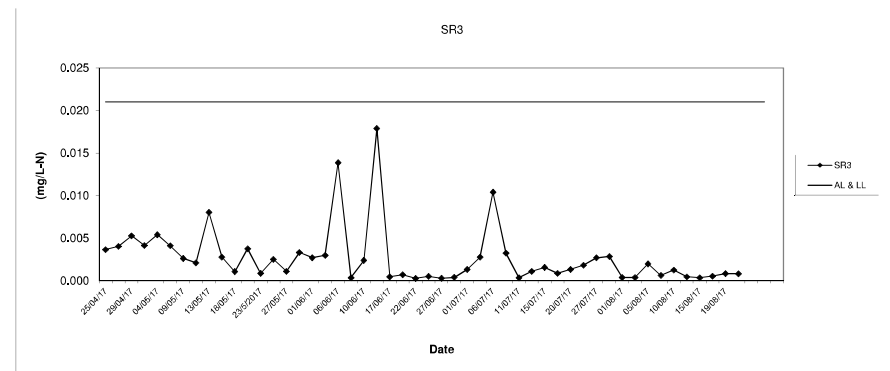
Ammonia Nitrogen (Depth average) at Mid-Flood Tide



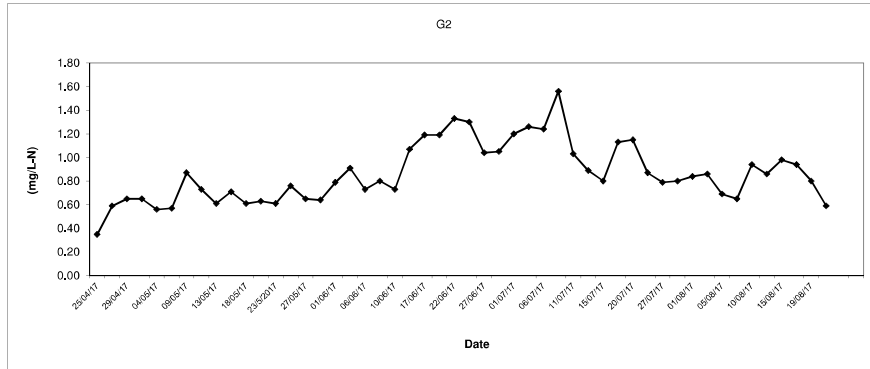
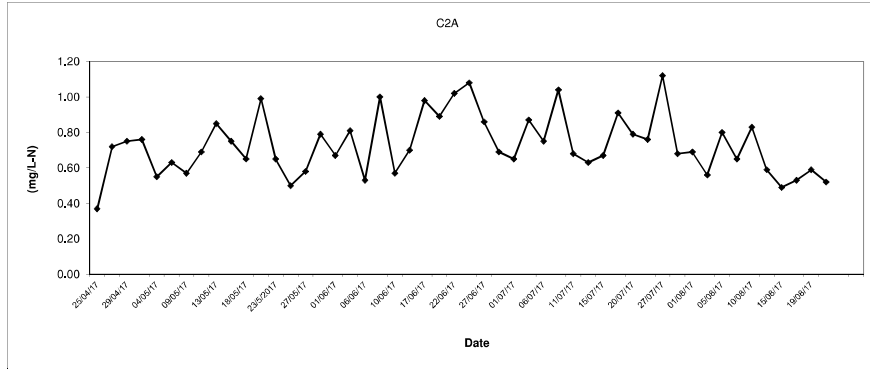
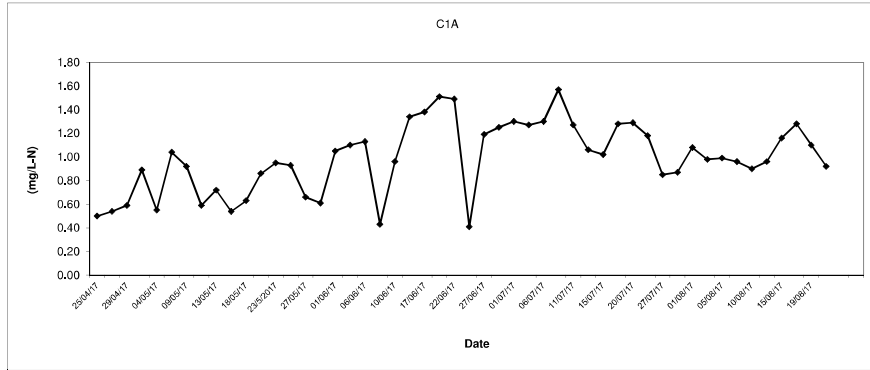
Laboratory Analysis UIA (Depth average) at Mid-Flood Tide



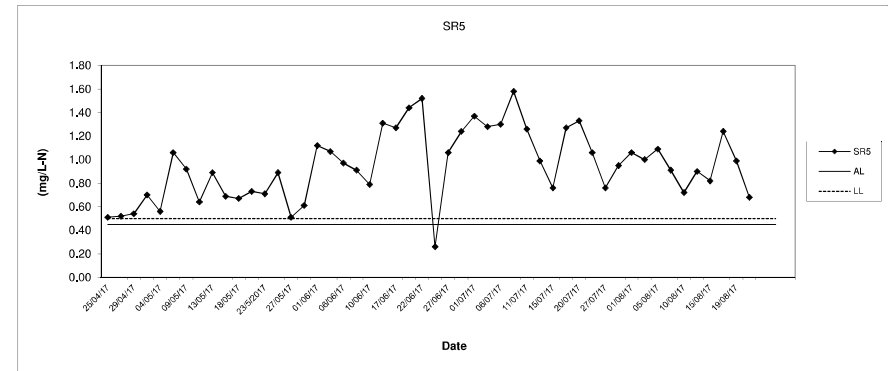
Laboratory Analysis UIA (Depth average) at Mid-Flood Tide



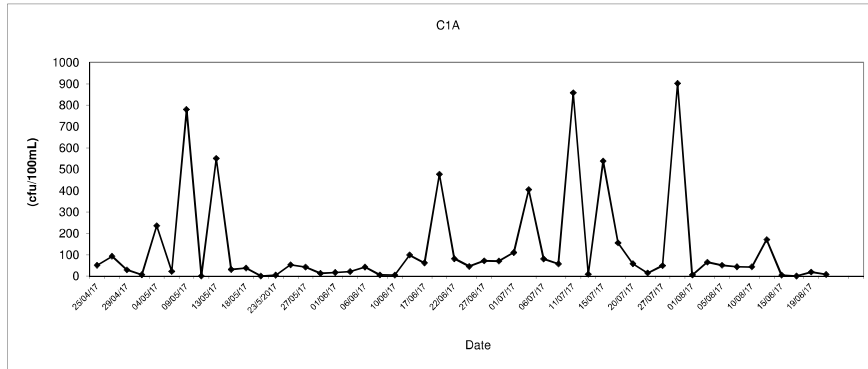
Laboratory Analysis TIN (Depth average) at Mid-Flood Tide



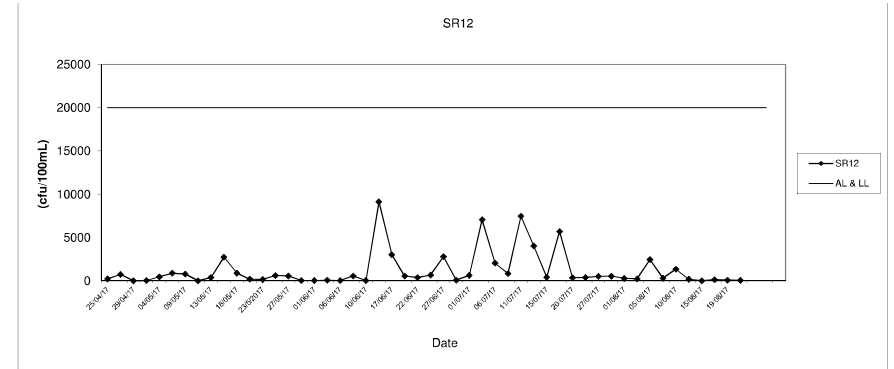
Laboratory Analysis TIN (Depth average) at Mid-Flood Tide



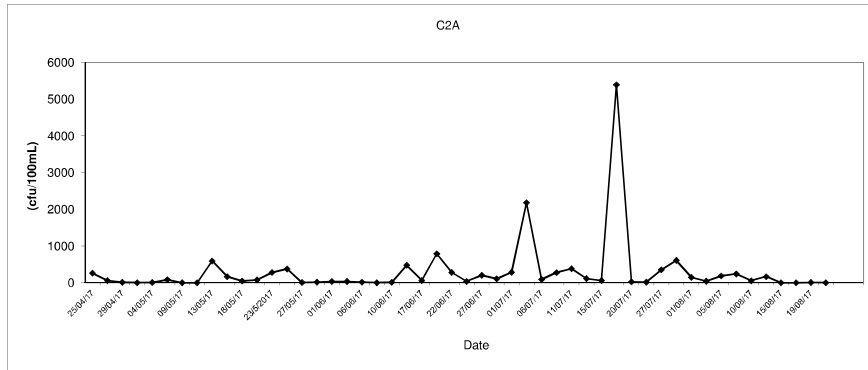
*E. coli* (Depth average) at Mid-Flood Tide



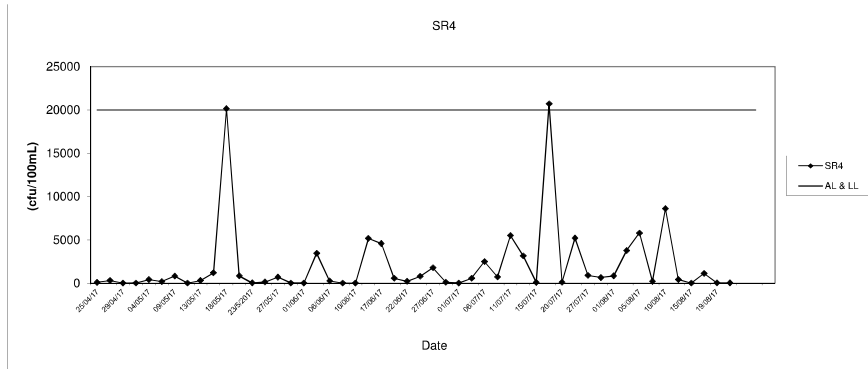
*E. coli* (Depth average) at Mid-Flood Tide



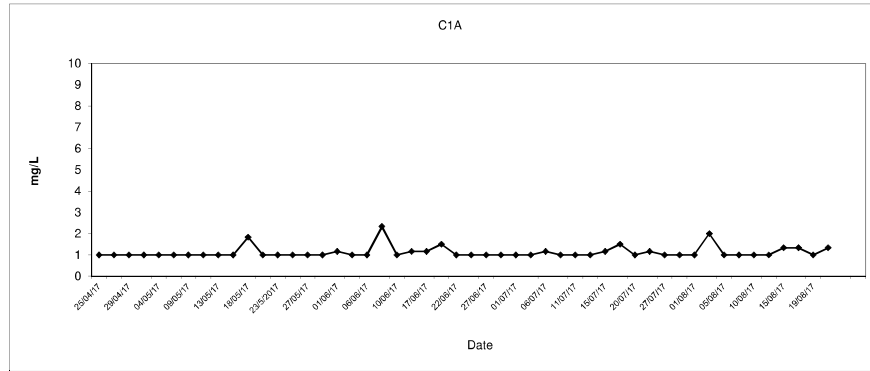
C2A



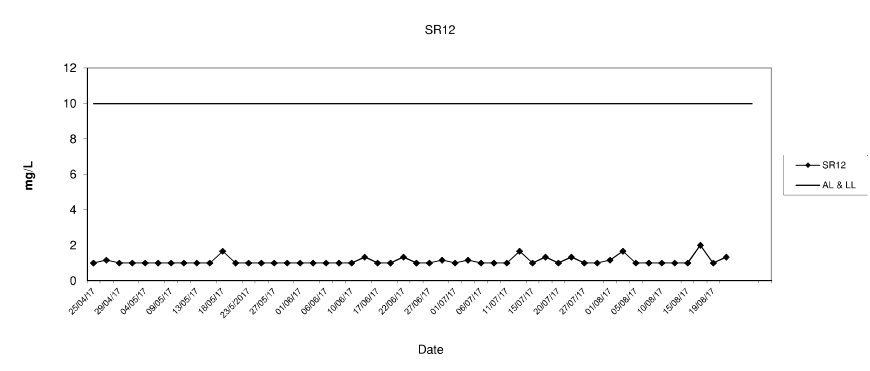
SR4



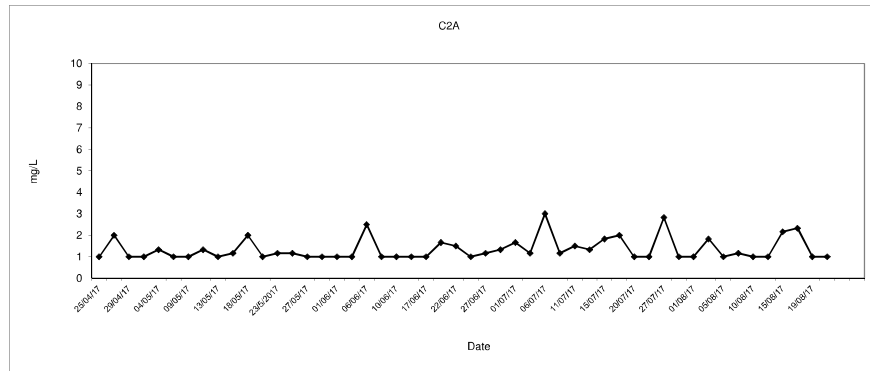
BOD<sub>5</sub> (Depth average) at Mid-Flood Tide



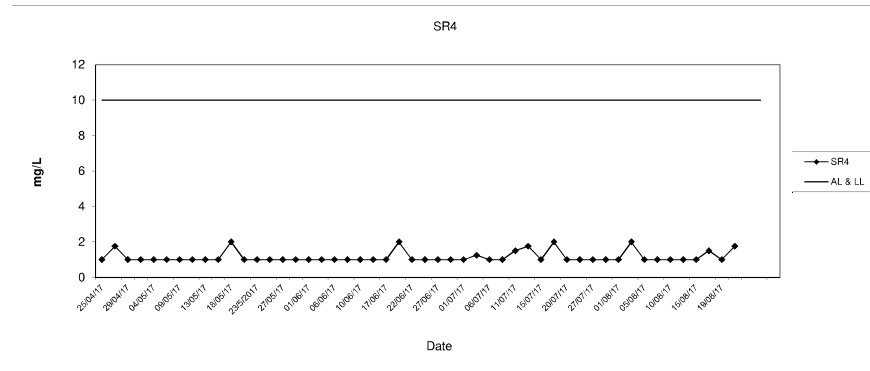
BOD<sub>5</sub> (Depth average) at Mid-Flood Tide



C2A

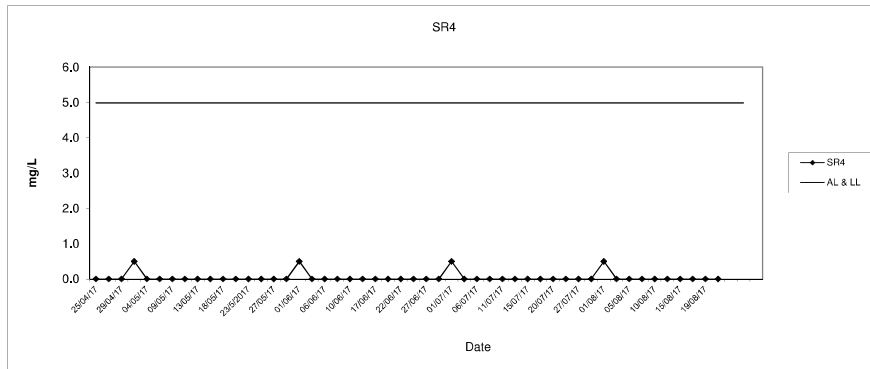
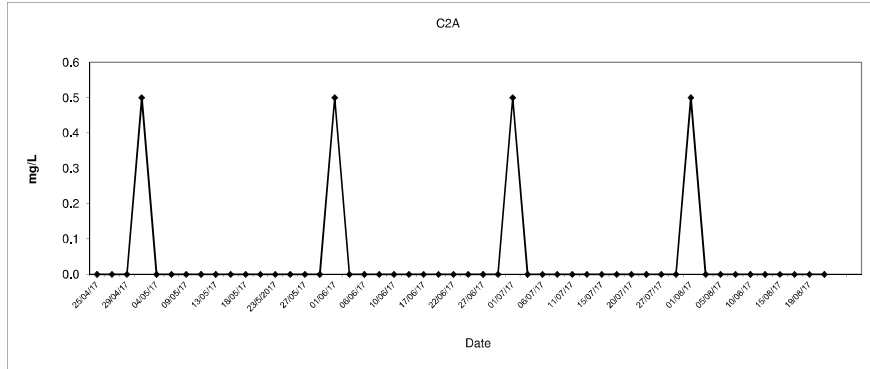
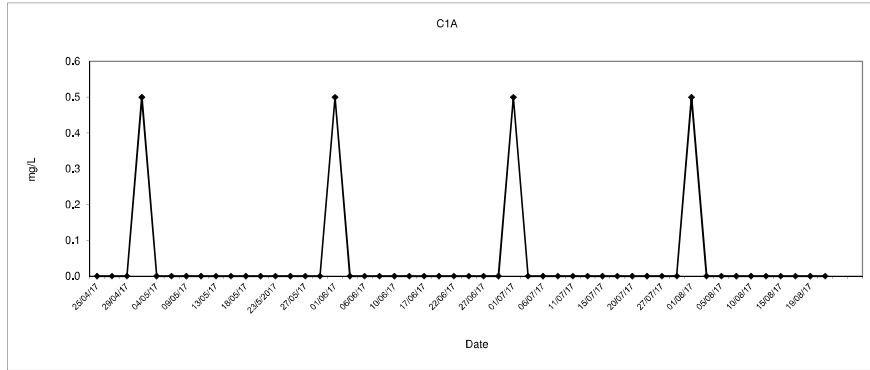


SR4

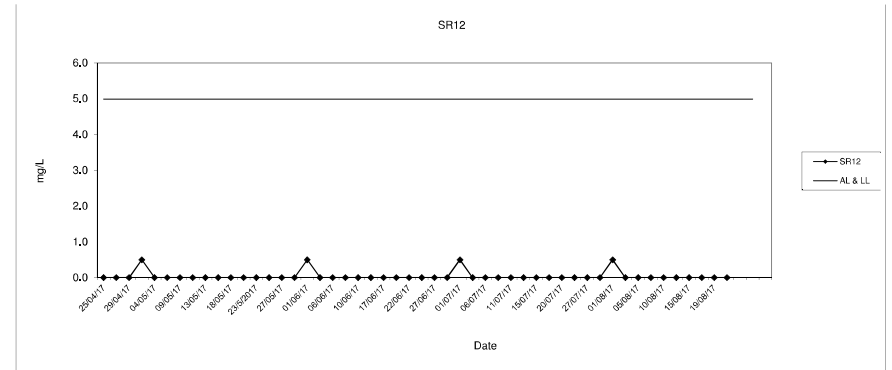




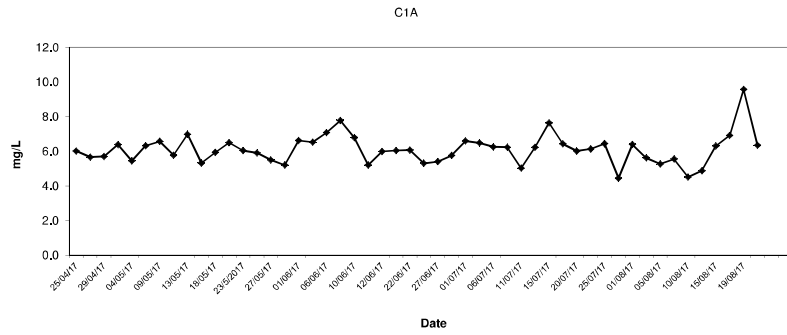
Synthetic Detergent (Depth average) at Mid-Flood Tide



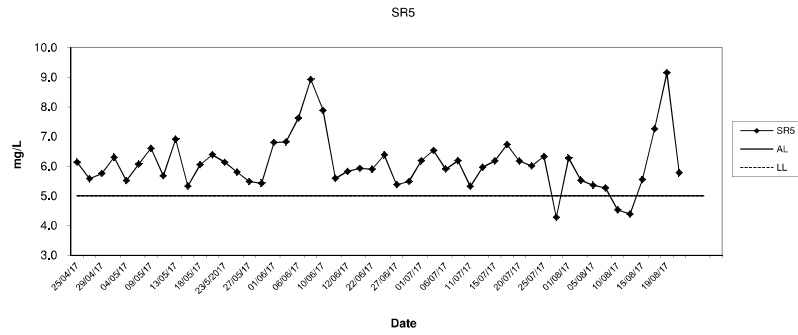
Synthetic Detergent (Depth average) at Mid-Flood Tide



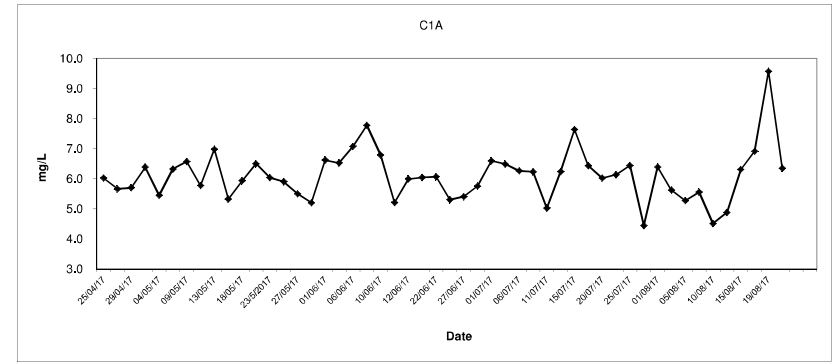
Dissolved Oxygen (Surface and Middle) at Mid-Ebb Tide



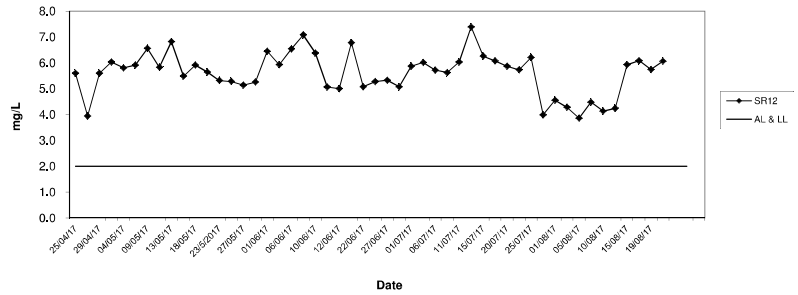
Dissolved Oxygen (Surface and Middle) at Mid-Ebb Tide



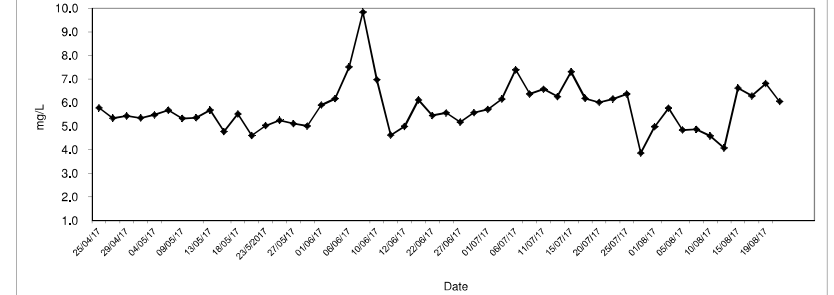
Dissolved Oxygen (Bottom) at Mid-Ebb Tide



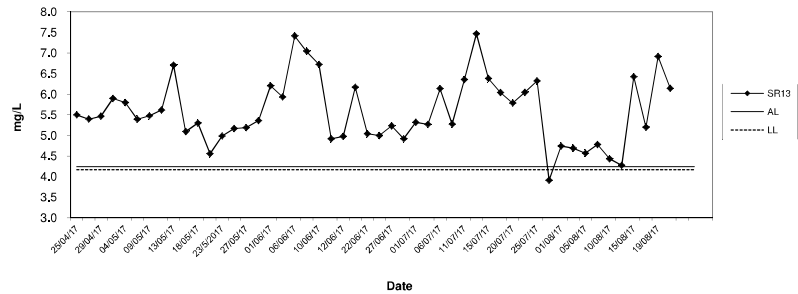
SR12



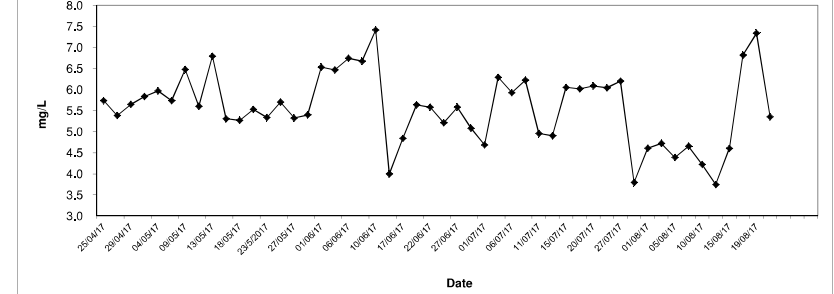
C2A



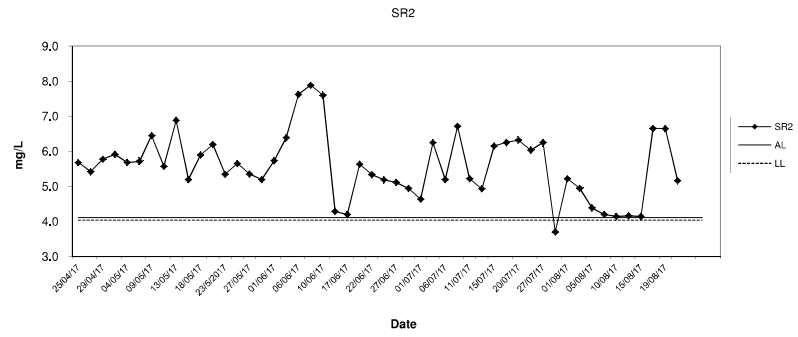
SR13



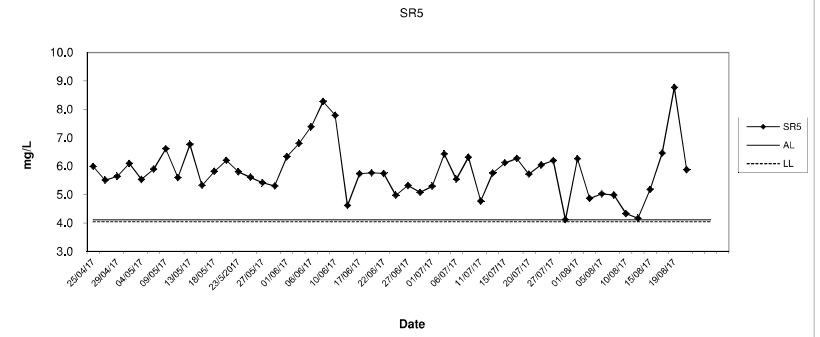
G2



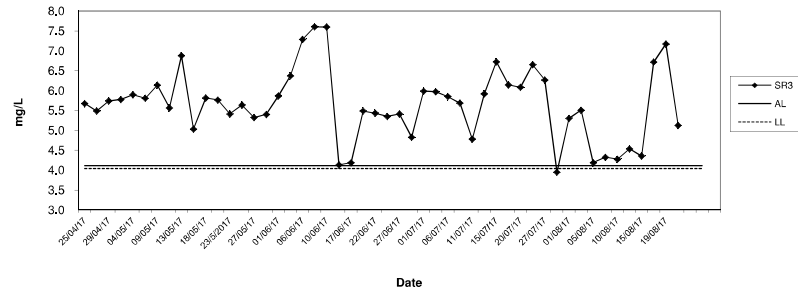
Dissolved Oxygen (Bottom) at Mid-Ebb Tide



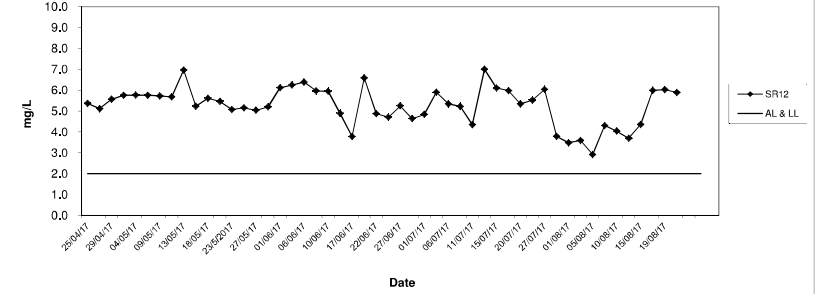
Dissolved Oxygen (Bottom) at Mid-Ebb Tide



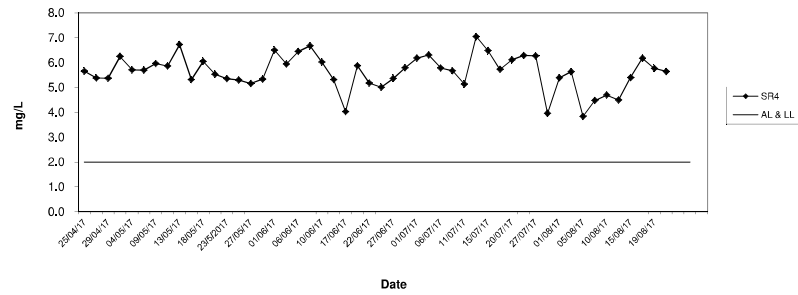
SR3



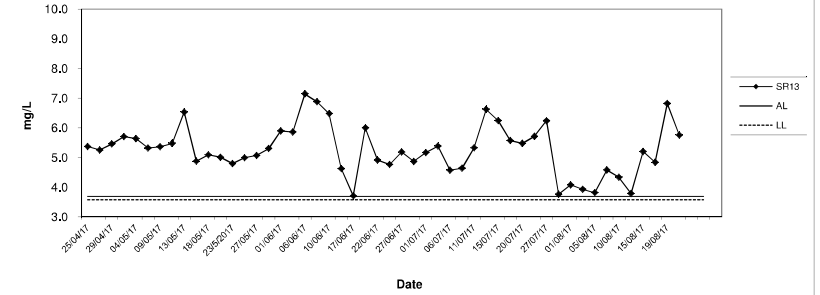
SR12



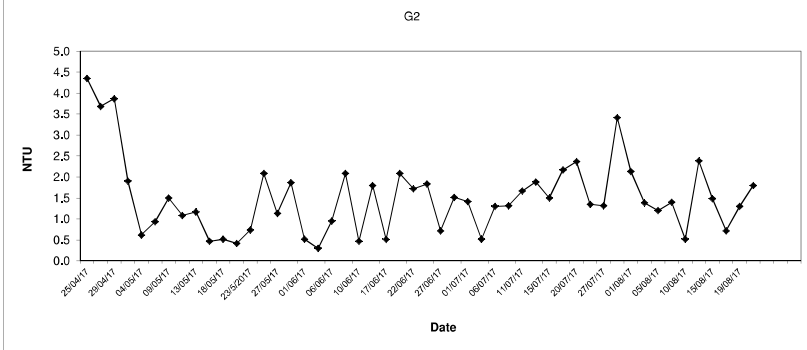
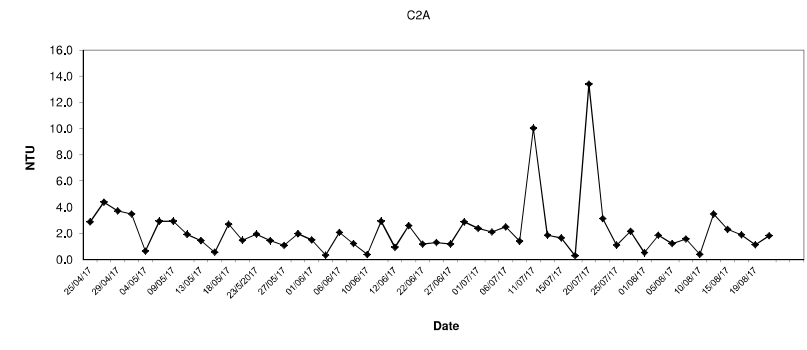
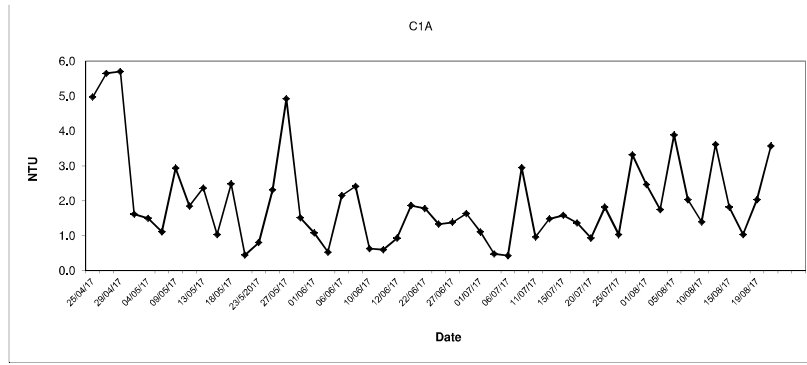
SR4



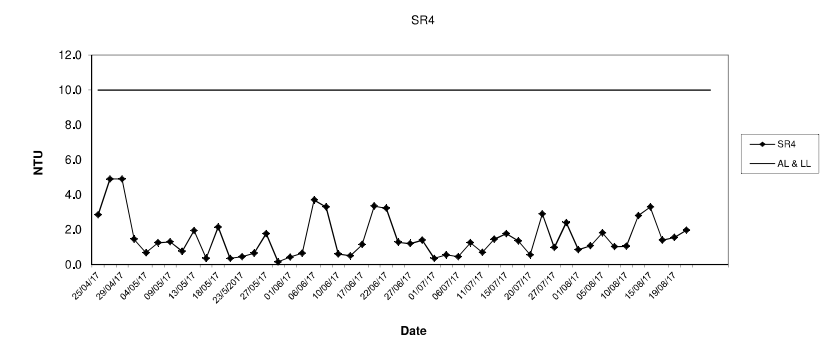
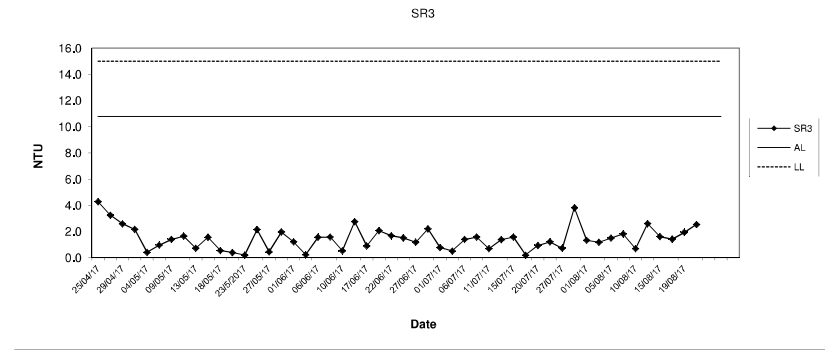
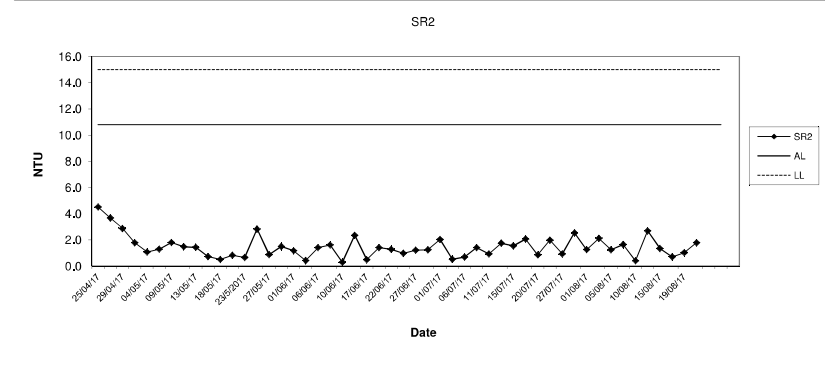
SR13



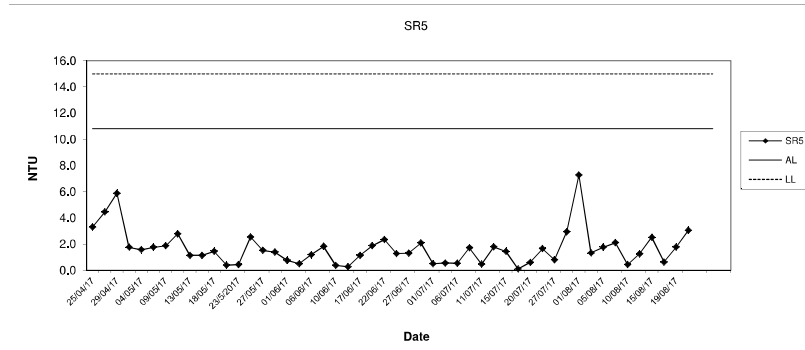
Turbidity (Depth average) at Mid-Ebb Tide



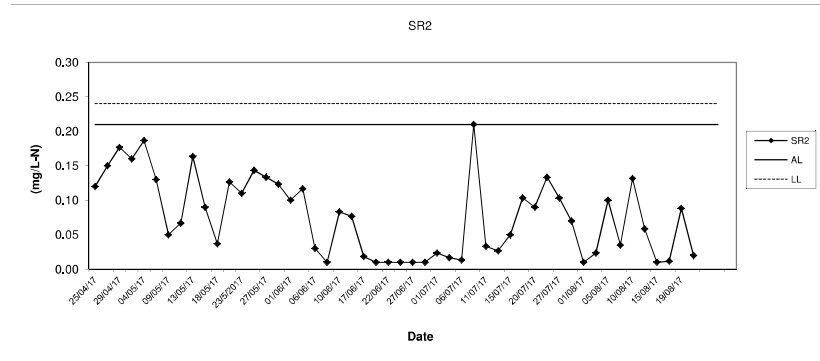
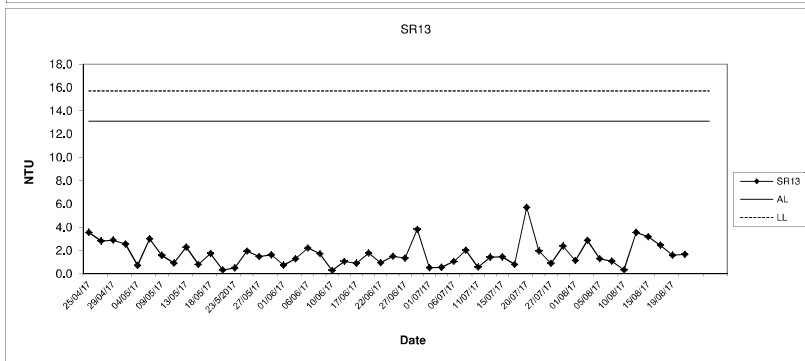
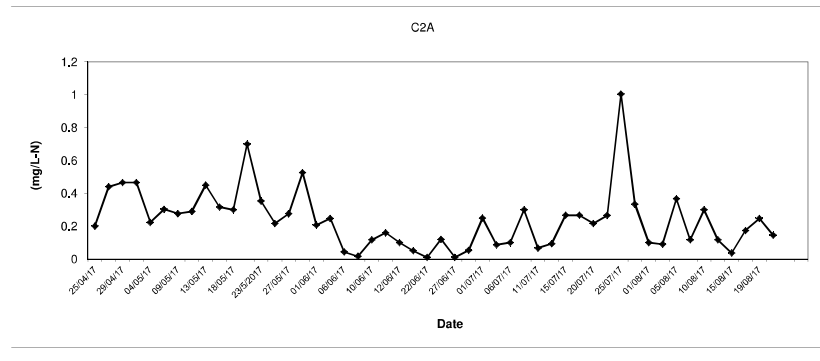
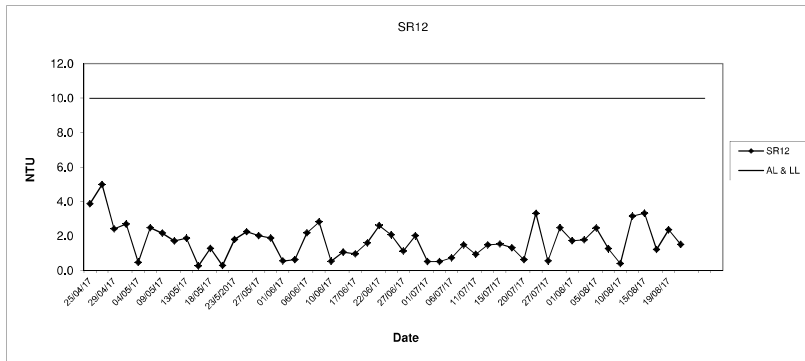
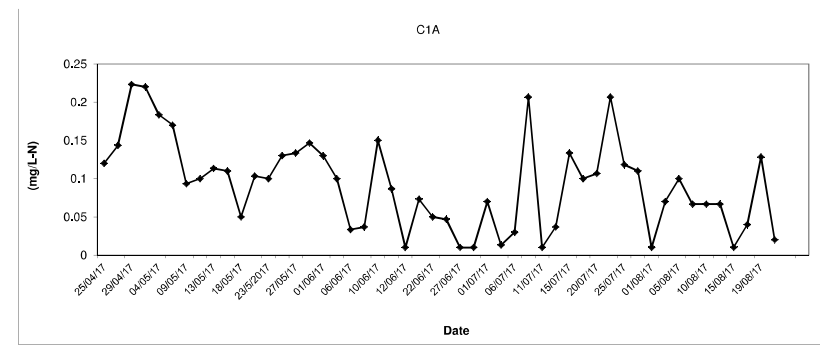
Turbidity (Depth average) at Mid-Ebb Tide



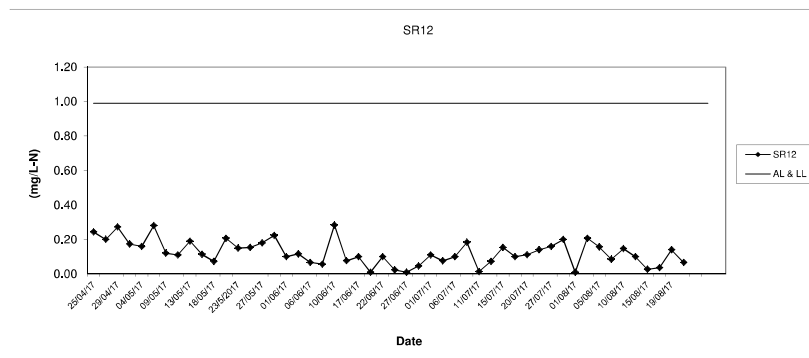
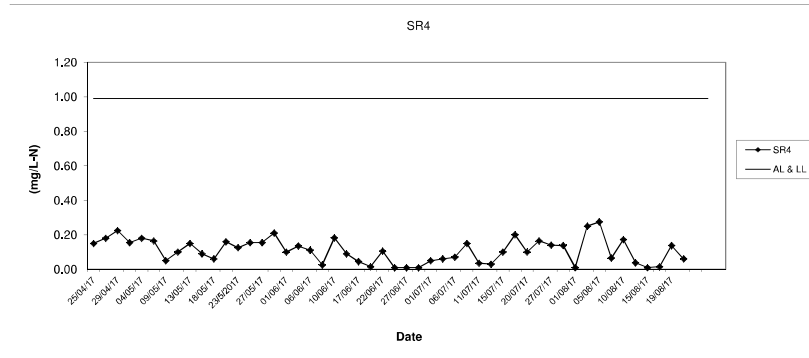
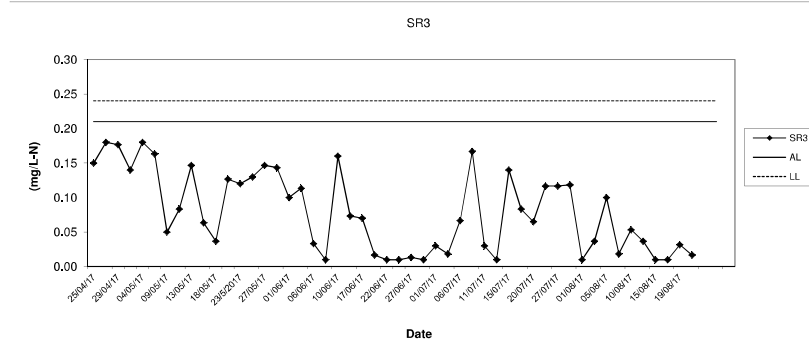
Turbidity (Depth average) at Mid-Ebb Tide



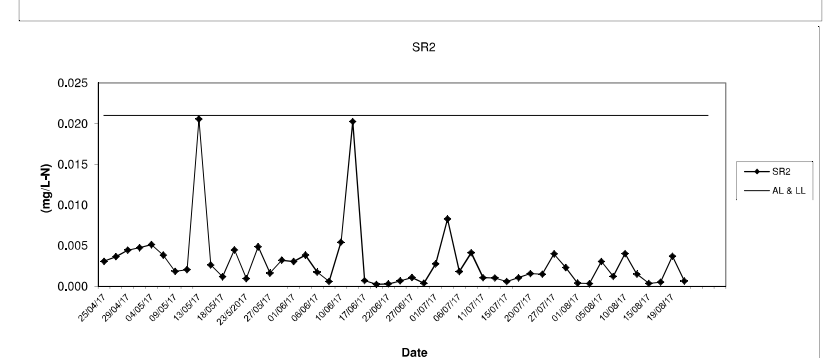
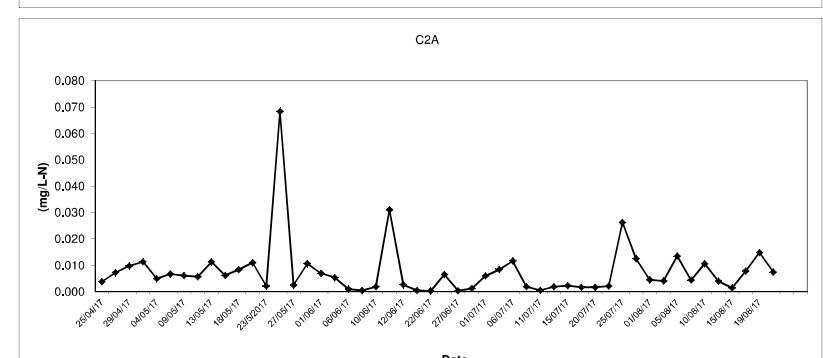
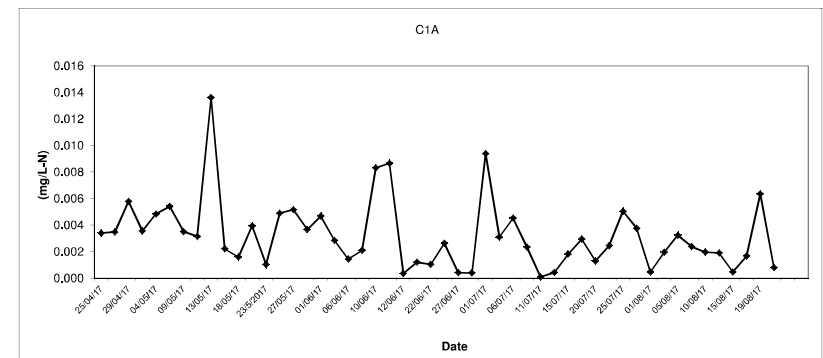
In-situ Ammonia (Depth average) at Mid-Ebb Tide



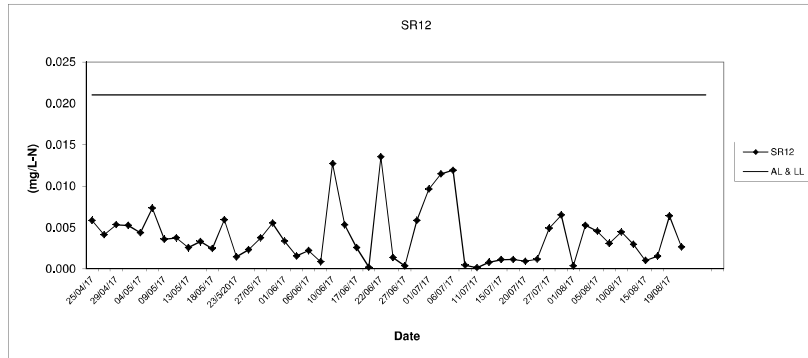
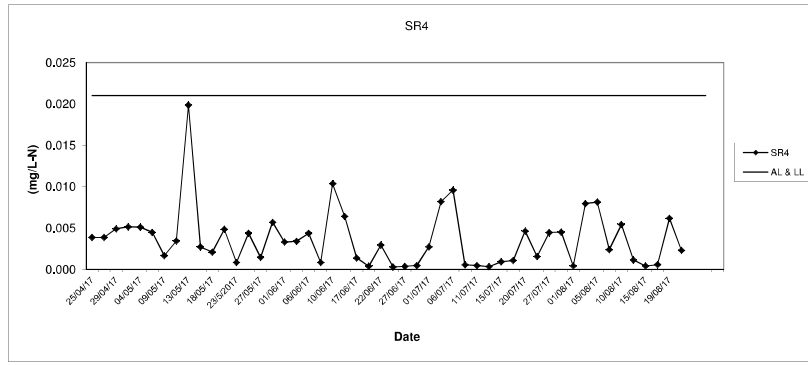
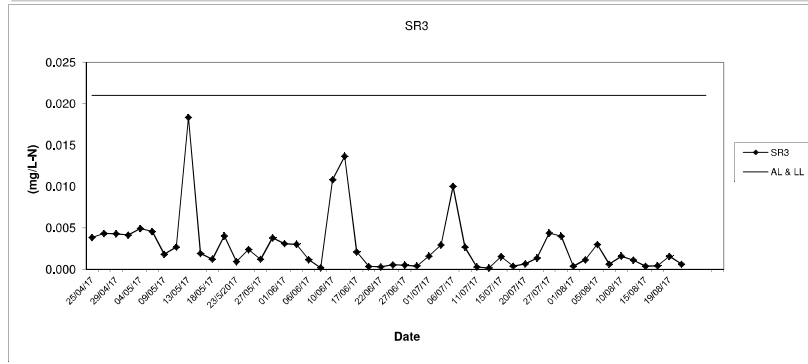
In-situ Ammonia (Depth average) at Mid-Ebb Tide



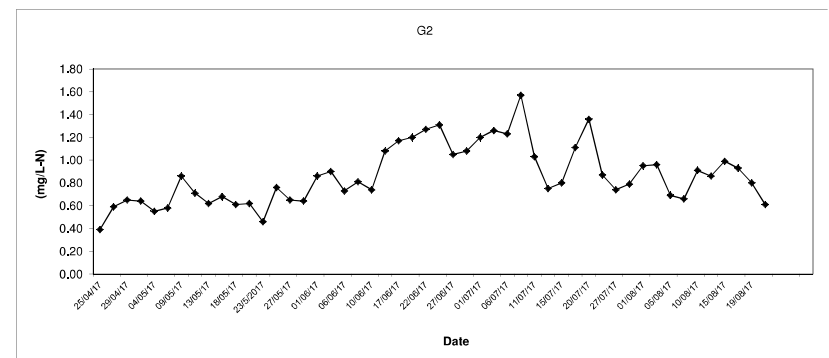
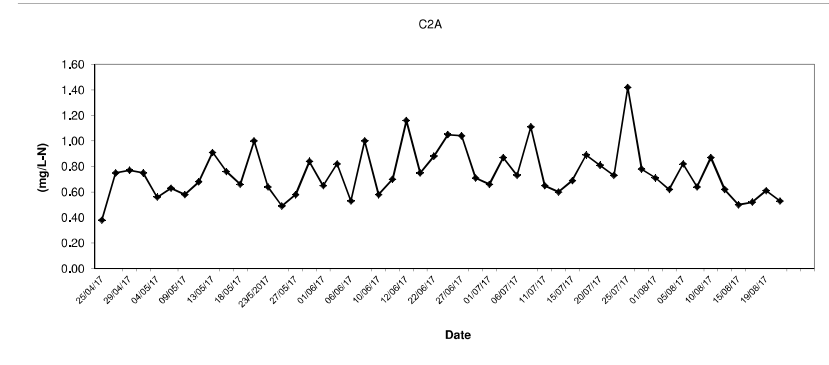
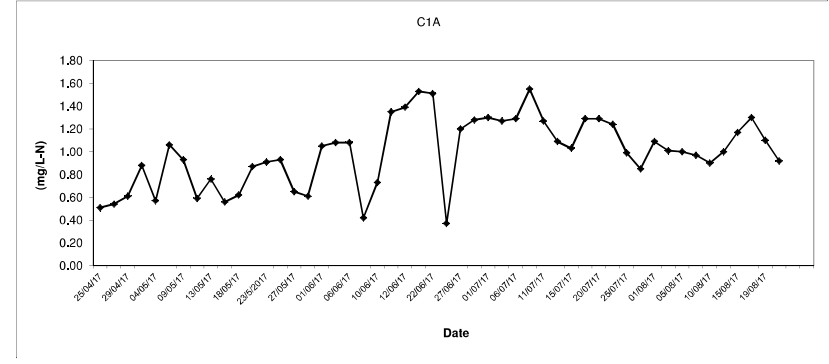
In-situ UIA (Depth average) at Mid-Ebb Tide



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

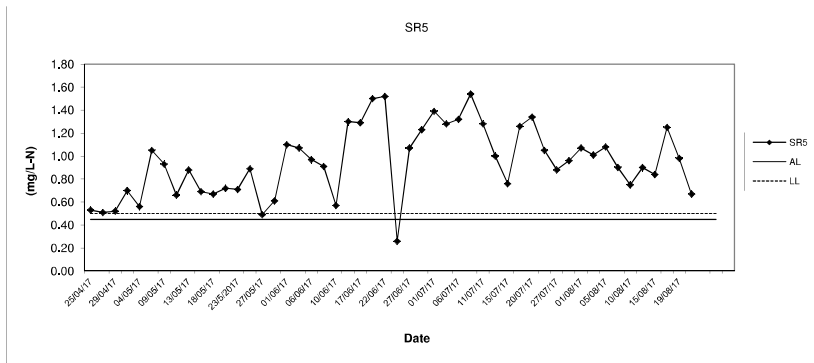


In-situ TIN (Depth average) at Mid-Ebb Tide

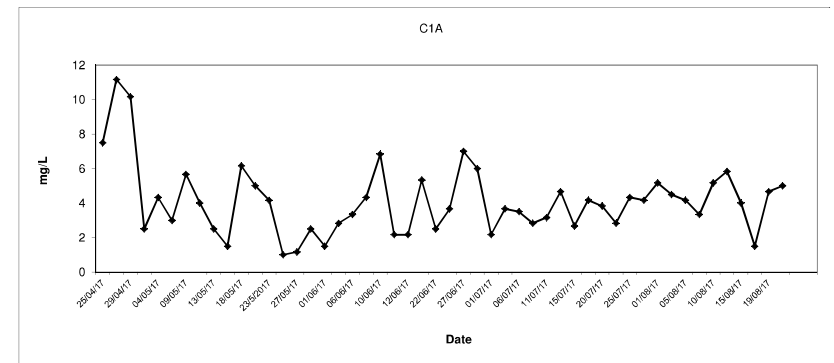




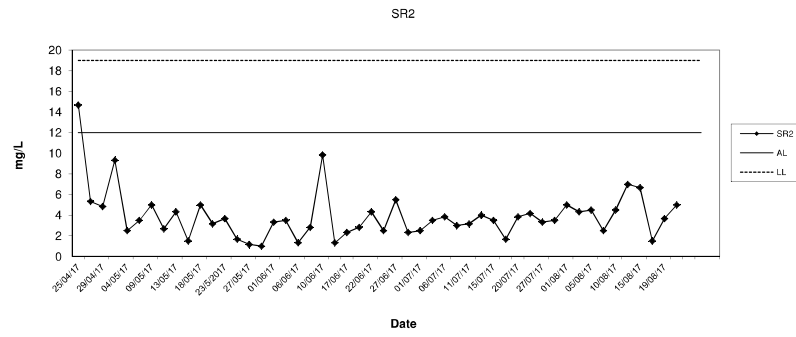
In-situ TIN (Depth average) at Mid-Ebb Tide



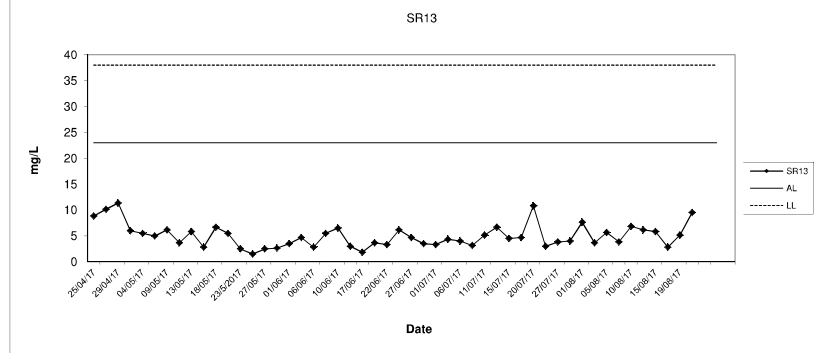
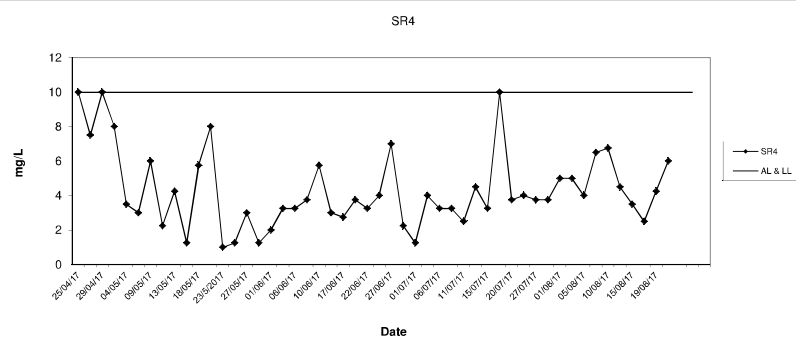
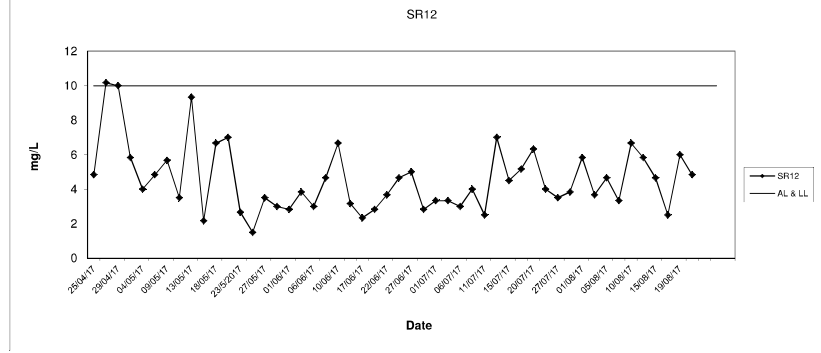
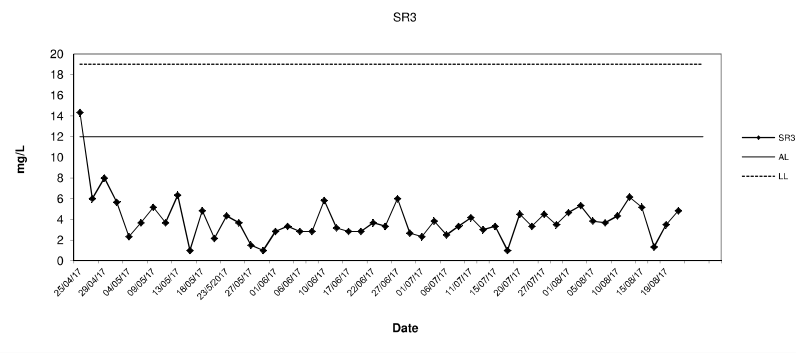
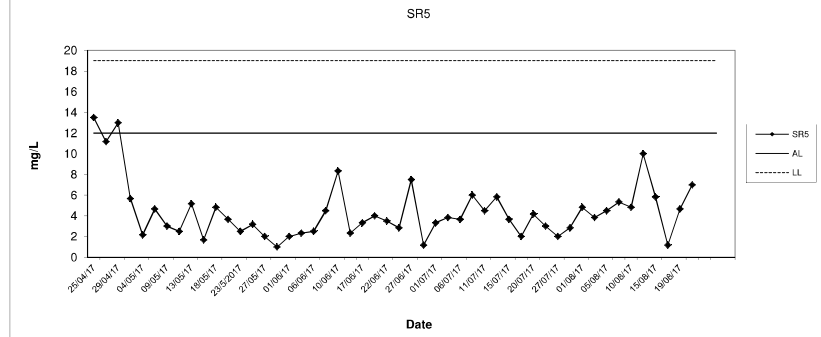
Total Suspended Solids (Depth average) at Mid-Ebb Tide



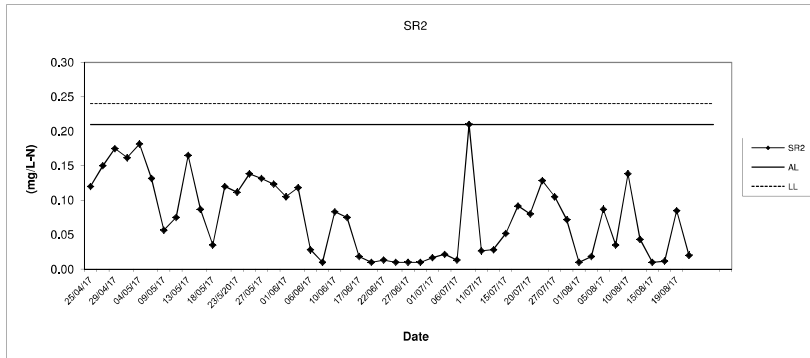
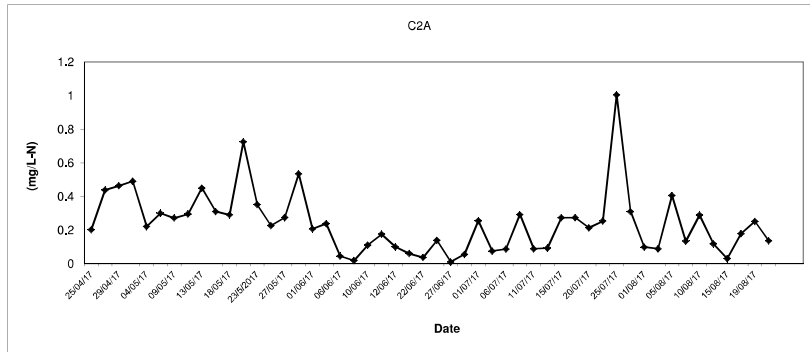
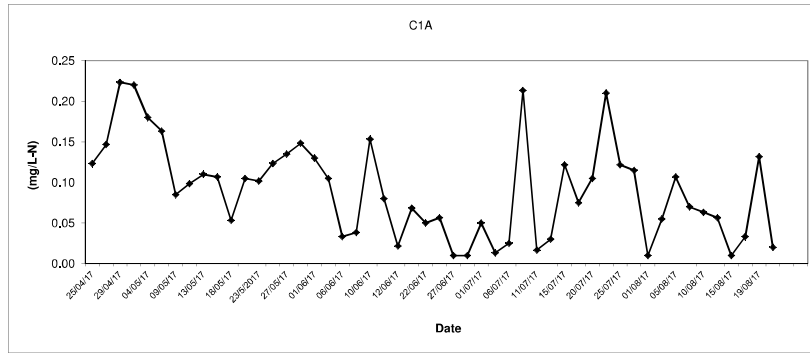
Total Suspended Solids (Depth average) at Mid-Ebb Tide



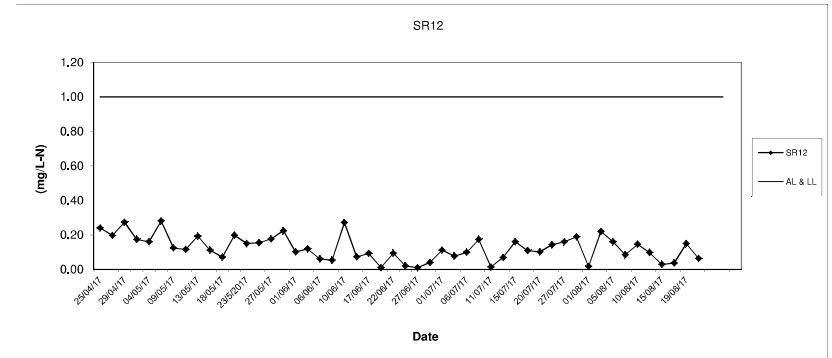
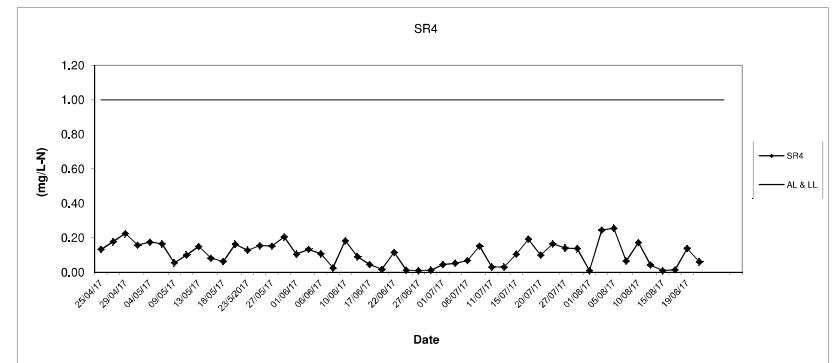
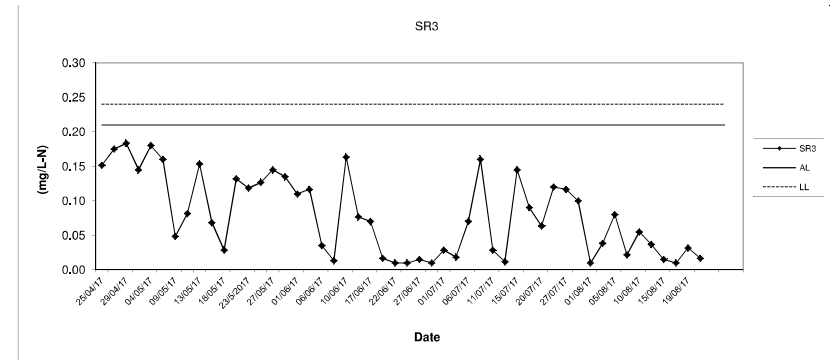
Total Suspended Solids (Depth average) at Mid-Ebb Tide



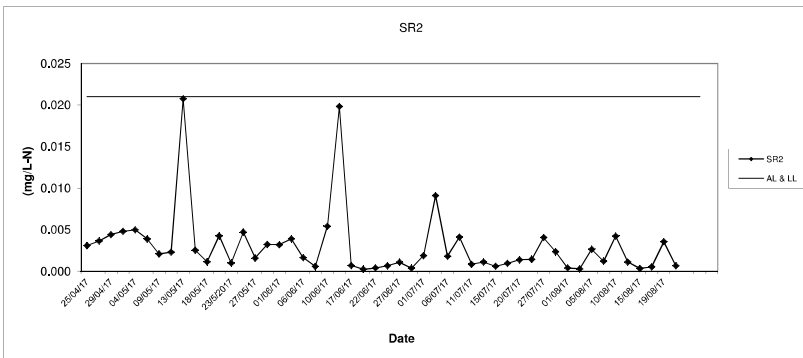
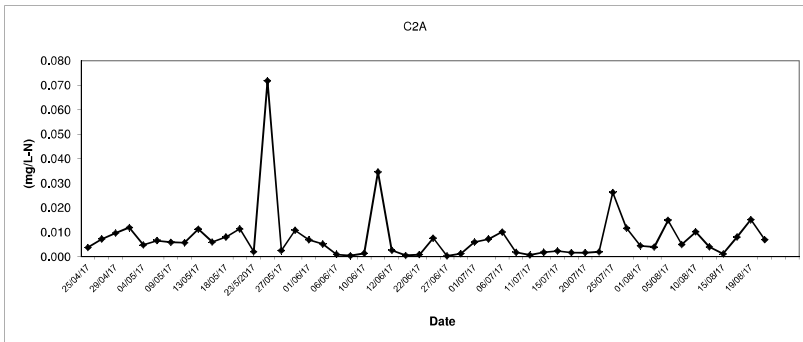
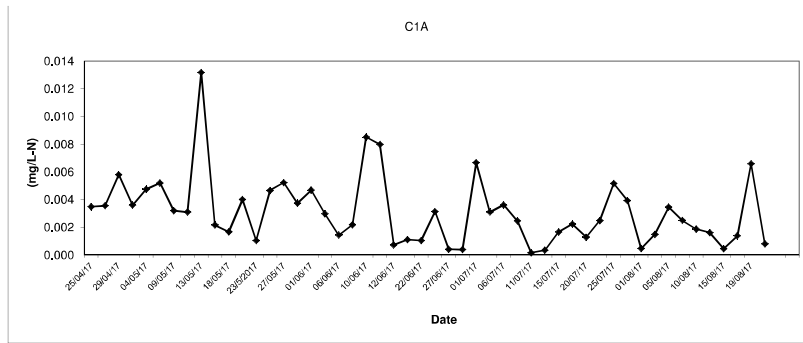
Ammonia Nitrogen (Depth average) at Mid-Ebb Tide



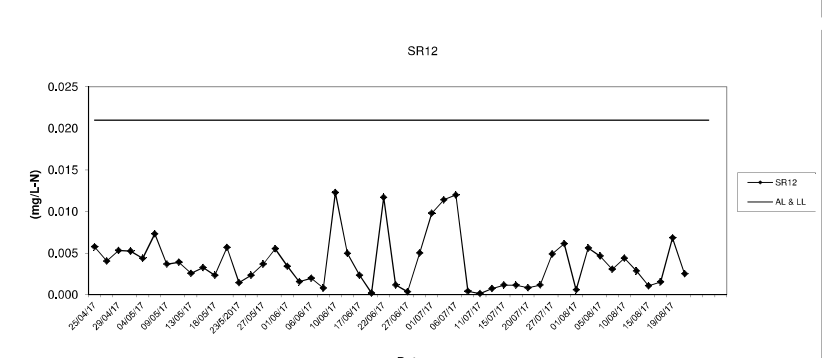
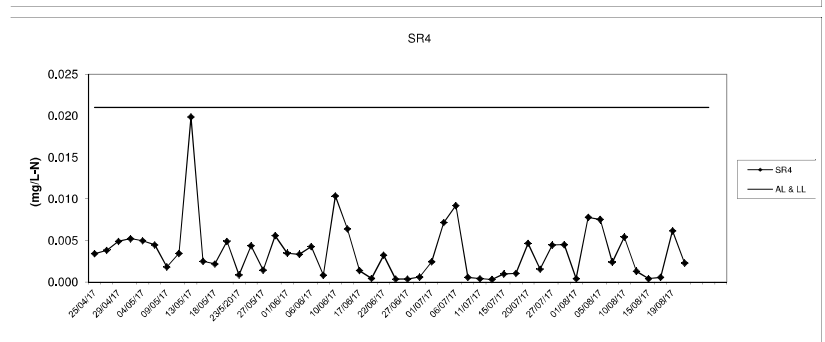
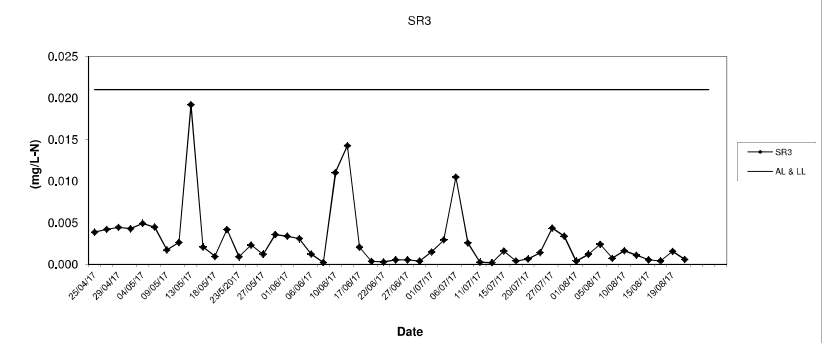
Ammonia Nitrogen (Depth average) at Mid-Ebb Tide



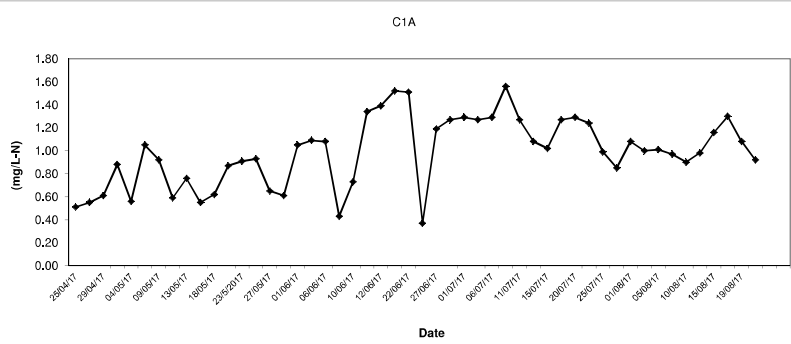
Laboratory Analysis UIA (Depth average) at Mid-Ebb Tide



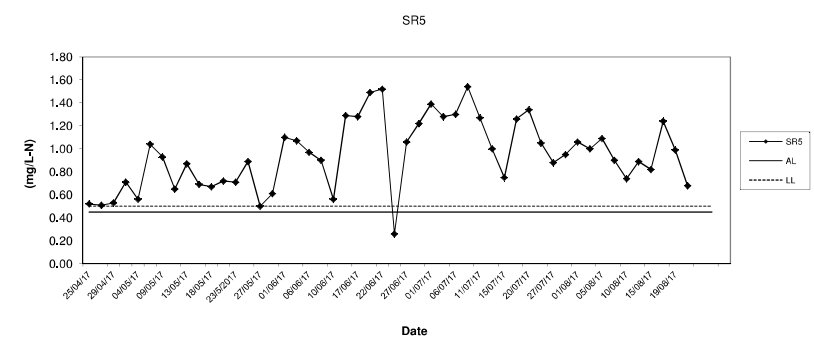
Laboratory Analysis UIA (Depth average) at Mid-Ebb Tide



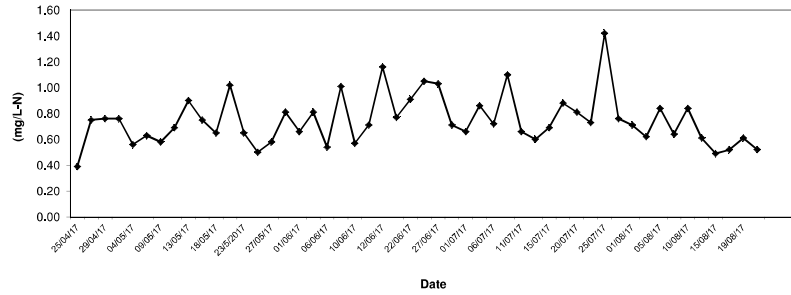
Laboratory Analysis TIN (Depth average) at Mid-Ebb Tide



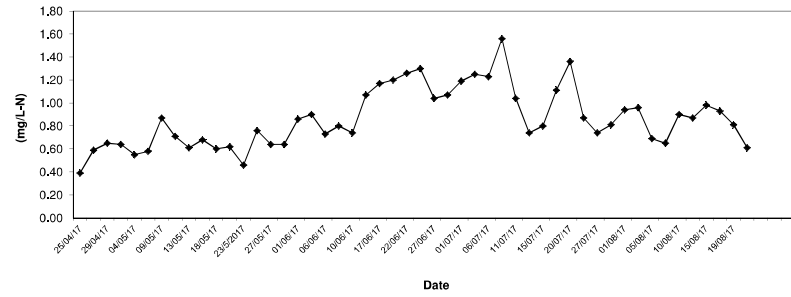
Laboratory Analysis TIN (Depth average) at Mid-Ebb Tide



C2A

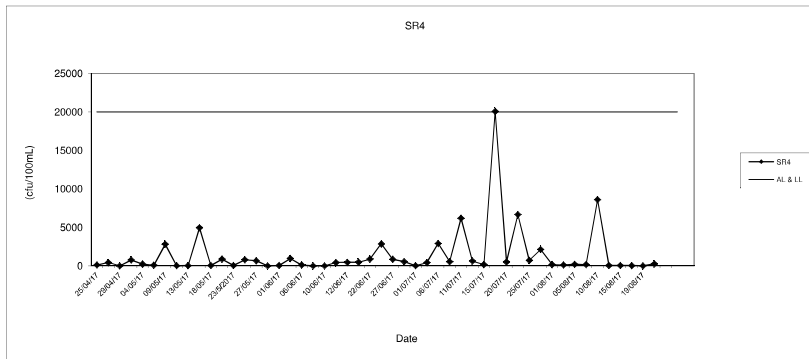
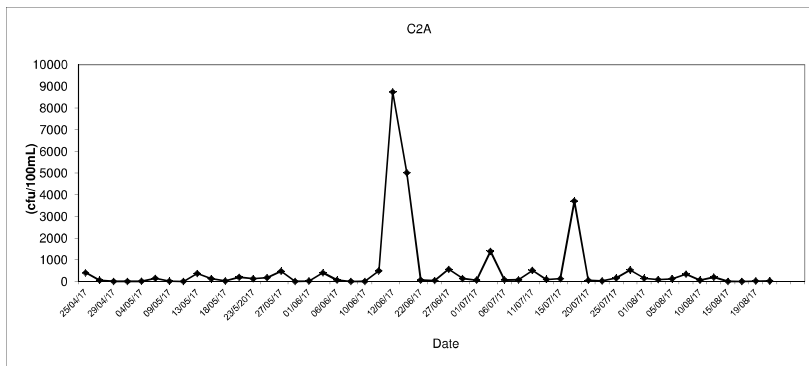
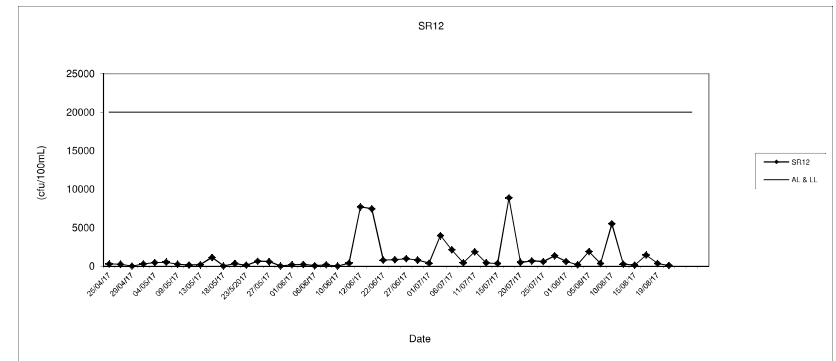
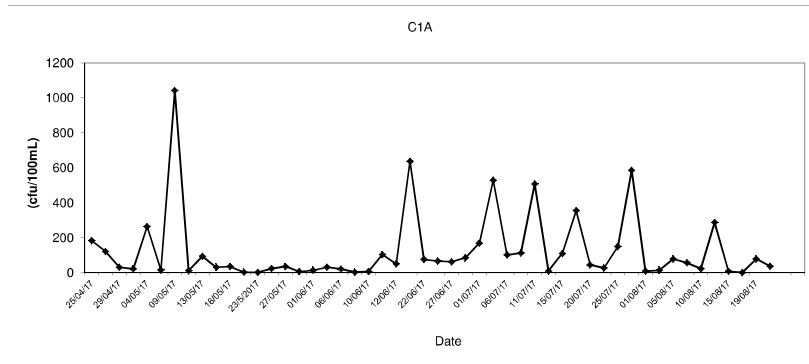


G2

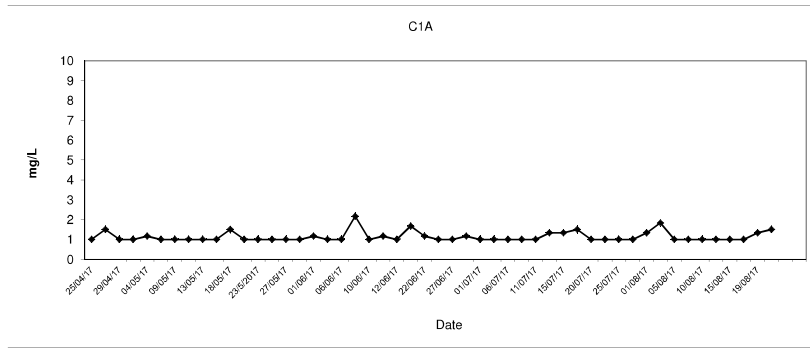


E.coli (Depth average) at Mid-Ebb Tide

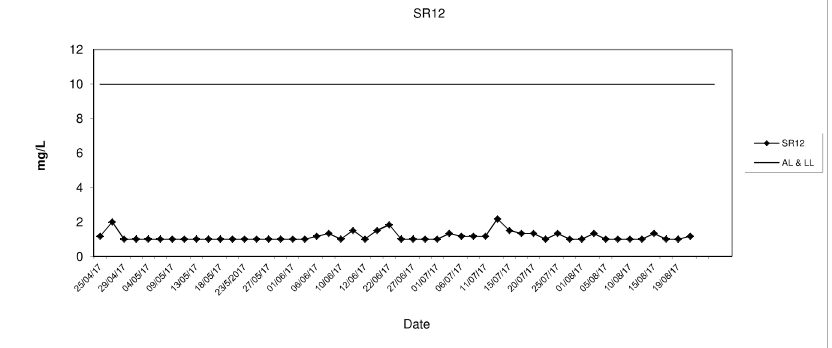
E.coli (Depth average) at Mid-Ebb Tide



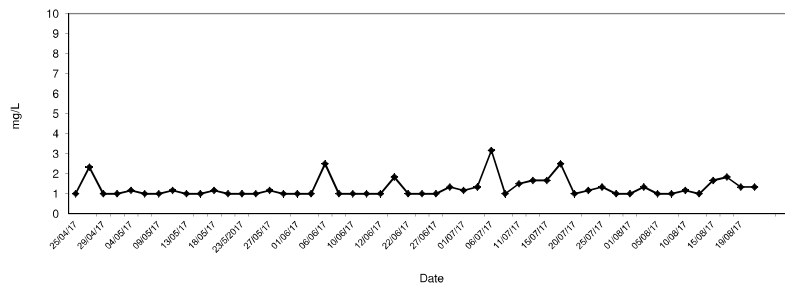
BOD<sub>5</sub> (Depth average) at Mid-Ebb Tide



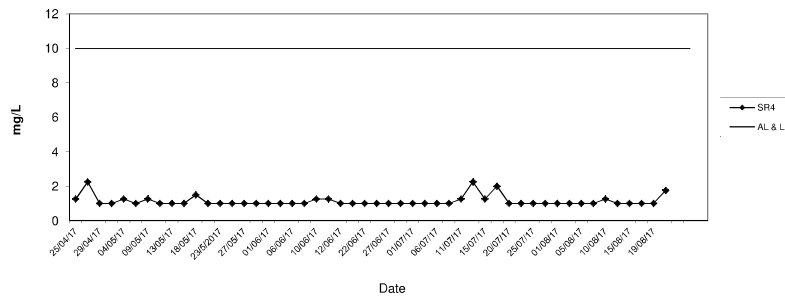
BOD<sub>5</sub> (Depth average) at Mid-Ebb Tide



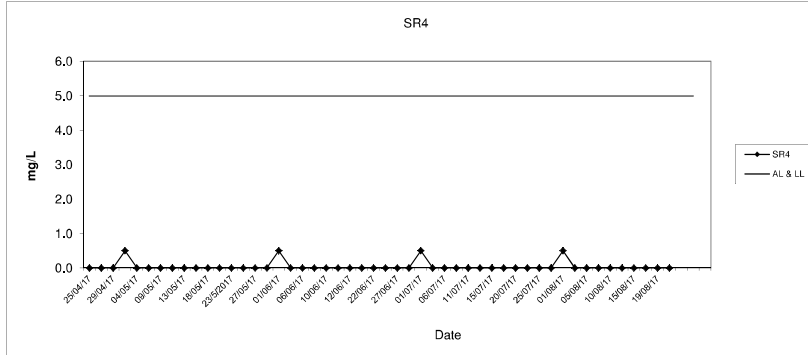
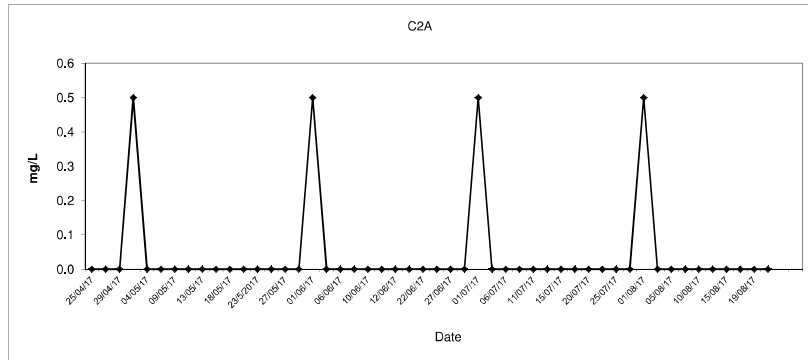
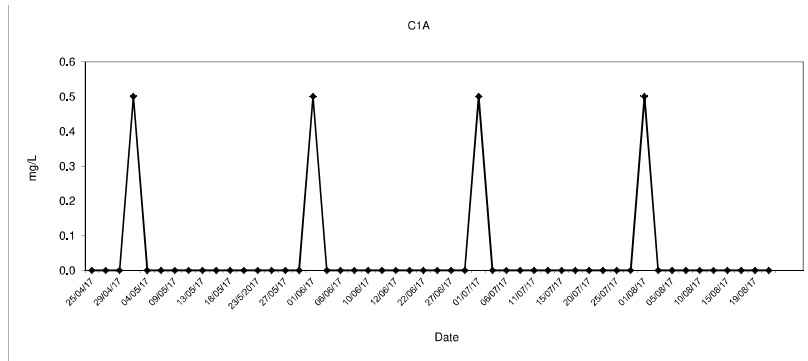
C2A



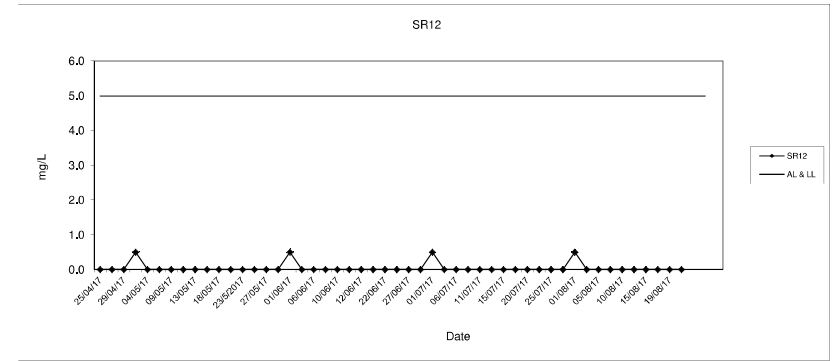
SR4



Synthetic Detergent (Depth average) at Mid-Ebb Tide



Synthetic Detergent (Depth average) at Mid-Ebb Tide





---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

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	7/23/2017 0:01	28.31	73.4	5.70	7.8	SR4	7/23/2017 6:01	28.31	62.3	4.84	8.9	SR4	7/23/2017 12:01	28.02	67.9	5.32	8.4	SR4	7/23/2017 18:01	28.31	84.4	6.59	6.7
SR4	7/23/2017 0:06	28.30	71.0	5.52	7.6	SR4	7/23/2017 6:06	28.32	63.2	4.91	5.7	SR4	7/23/2017 12:06	28.01	65.4	5.12	8.6	SR4	7/23/2017 18:06	28.30	83.7	6.53	8.2
SR4	7/23/2017 0:11	28.27	68.7	5.34	6.2	SR4	7/23/2017 6:11	28.32	62.7	4.87	8.6	SR4	7/23/2017 12:11	28.00	70.8	5.54	7.8	SR4	7/23/2017 18:11	28.30	82.4	6.43	7.1
SR4	7/23/2017 0:16	28.25	67.1	5.21	6.3	SR4	7/23/2017 6:16	28.32	62.6	4.86	6.8	SR4	7/23/2017 12:16	27.99	69.9	5.47	8.7	SR4	7/23/2017 18:16	28.31	81.8	6.38	8.2
SR4	7/23/2017 0:21	28.24	68.5	5.32	8.9	SR4	7/23/2017 6:21	28.32	62.9	4.88	8.2	SR4	7/23/2017 12:21	27.98	68.6	5.37	8.3	SR4	7/23/2017 18:21	28.31	82.4	6.43	6.3
SR4	7/23/2017 0:26	28.24	65.7	5.11	6.5	SR4	7/23/2017 6:26	28.32	63.7	4.95	6.0	SR4	7/23/2017 12:26	27.97	67.3	5.26	6.0	SR4	7/23/2017 18:26	28.32	81.1	6.33	6.3
SR4	7/23/2017 0:31	28.25	62.2	4.84	7.1	SR4	7/23/2017 6:31	28.32	64.9	5.04	7.0	SR4	7/23/2017 12:31	27.97	68.5	5.36	7.6	SR4	7/23/2017 18:31	28.33	81.2	6.33	6.4
SR4	7/23/2017 0:36	28.25	65.8	5.11	6.1	SR4	7/23/2017 6:36	28.30	64.8	5.03	6.5	SR4	7/23/2017 12:36	27.96	69.2	5.41	7.2	SR4	7/23/2017 18:36	28.33	82.6	6.45	7.7
SR4	7/23/2017 0:41	28.24	65.6	5.10	7.5	SR4	7/23/2017 6:41	28.28	65.0	5.05	6.3	SR4	7/23/2017 12:41	27.96	67.9	5.31	8.4	SR4	7/23/2017 18:41	28.33	81.2	6.34	5.8
SR4	7/23/2017 0:46	28.23	61.2	4.76	6.8	SR4	7/23/2017 6:46	28.26	65.8	5.11	8.9	SR4	7/23/2017 12:46	27.96	69.6	5.44	7.0	SR4	7/23/2017 18:46	28.33	81.5	6.37	5.9
SR4	7/23/2017 0:51	28.22	61.6	4.79	6.4	SR4	7/23/2017 6:51	28.26	65.6	5.10	9.4	SR4	7/23/2017 12:51	27.96	66.7	5.22	8.6	SR4	7/23/2017 18:51	28.33	80.8	6.31	8.5
SR4	7/23/2017 0:56	28.21	67.6	5.25	6.2	SR4	7/23/2017 6:56	28.25	65.5	5.09	7.5	SR4	7/23/2017 12:56	27.96	65.3	5.11	7.7	SR4	7/23/2017 18:56	28.33	81.7	6.39	8.8
SR4	7/23/2017 1:01	28.20	67.4	5.23	6.8	SR4	7/23/2017 7:01	28.23	65.9	5.12	5.6	SR4	7/23/2017 13:01	27.96	64.0	5.01	9.1	SR4	7/23/2017 19:01	28.32	80.9	6.33	7.0
SR4	7/23/2017 1:06	28.19	65.7	5.10	7.5	SR4	7/23/2017 7:06	28.22	66.2	5.15	8.7	SR4	7/23/2017 13:06	27.96	65.4	5.12	8.1	SR4	7/23/2017 19:06	28.31	76.3	5.96	8.0
SR4	7/23/2017 1:11	28.18	66.1	5.13	8.5	SR4	7/23/2017 7:11	28.23	66.5	5.17	8.1	SR4	7/23/2017 13:11	27.96	66.0	5.17	7.2	SR4	7/23/2017 19:11	28.30	72.5	5.66	8.3
SR4	7/23/2017 1:16	28.18	64.2	4.99	7.0	SR4	7/23/2017 7:16	28.26	66.6	5.18	6.0	SR4	7/23/2017 13:16	27.96	65.3	5.12	6.9	SR4	7/23/2017 19:16	28.29	72.9	5.69	5.9
SR4	7/23/2017 1:21	28.18	63.7	4.96	7.8	SR4	7/23/2017 7:21	28.27	67.3	5.23	8.1	SR4	7/23/2017 13:21	27.95	67.1	5.25	6.8	SR4	7/23/2017 19:21	28.28	71.7	5.59	9.3
SR4	7/23/2017 1:26	28.19	64.0	4.98	8.4	SR4	7/23/2017 7:26	28.27	67.8	5.27	8.3	SR4	7/23/2017 13:26	27.95	67.6	5.29	6.1	SR4	7/23/2017 19:26	28.27	71.3	5.56	8.5
SR4	7/23/2017 1:31	28.19	62.8	4.88	8.4	SR4	7/23/2017 7:31	28.28	67.0	5.21	7.7	SR4	7/23/2017 13:31	27.95	68.9	5.39	8.0	SR4	7/23/2017 19:31	28.26	72.5	5.65	9.1
SR4	7/23/2017 1:36	28.18	61.5	4.78	8.9	SR4	7/23/2017 7:36	28.28	66.8	5.19	6.6	SR4	7/23/2017 13:36	27.95	67.9	5.31	8.4	SR4	7/23/2017 19:36	28.26	72.4	5.65	7.6
SR4	7/23/2017 1:41	28.18	62.6	4.87	8.3	SR4	7/23/2017 7:41	28.28	65.3	5.08	7.1	SR4	7/23/2017 13:41	27.95	69.8	5.46	7.9	SR4	7/23/2017 19:41	28.26	71.1	5.54	8.0
SR4	7/23/2017 1:46	28.18	61.6	4.79	5.7	SR4	7/23/2017 7:46	28.28	65.6	5.10	9.2	SR4	7/23/2017 13:46	27.96	69.3	5.42	7.8	SR4	7/23/2017 19:46	28.26	70.4	5.49	8.8
SR4	7/23/2017 1:51	28.18	62.2	4.84	8.2	SR4	7/23/2017 7:51	28.28	66.7	5.19	8.9	SR4	7/23/2017 13:51	27.96	71.1	5.56	7.9	SR4	7/23/2017 19:51	28.26	70.4	5.49	6.5
SR4	7/23/2017 1:56	28.18	63.1	4.91	9.2	SR4	7/23/2017 7:56	28.29	67.9	5.28	7.3	SR4	7/23/2017 13:56	27.96	71.2	5.57	8.2	SR4	7/23/2017 19:56	28.25	70.5	5.50	7.2
SR4	7/23/2017 2:01	28.18	62.6	4.87	5.6	SR4	7/23/2017 8:01	28.29	67.5	5.25	6.0	SR4	7/23/2017 14:01	27.96	71.3	5.58	6.0	SR4	7/23/2017 20:01	28.25	70.3	5.48	6.5
SR4	7/23/2017 2:06	28.17	62.2	4.84	8.9	SR4	7/23/2017 8:06	28.29	67.0	5.21	8.1	SR4	7/23/2017 14:06	27.96	71.0	5.55	7.5	SR4	7/23/2017 20:06	28.25	70.4	5.49	5.9
SR4	7/23/2017 2:11	28.17	62.9	4.90	6.6	SR4	7/23/2017 8:11	28.30	68.2	5.30	6.9	SR4	7/23/2017 14:11	27.97	70.6	5.53	7.4	SR4	7/23/2017 20:11	28.25	71.0	5.54	6.9
SR4	7/23/2017 2:16	28.16	63.5	4.94	9.3	SR4	7/23/2017 8:16	28.31	68.2	5.31	6.9	SR4	7/23/2017 14:16	27.97	71.5	5.59	9.1	SR4	7/23/2017 20:16	28.25	71.0	5.53	6.7
SR4	7/23/2017 2:21	28.15	63.2	4.92	8.0	SR4	7/23/2017 8:21	28.29	67.2	5.24	7.5	SR4	7/23/2017 14:21	27.97	72.9	5.70	7.3	SR4	7/23/2017 20:21	28.25	71.6	5.58	8.3
SR4	7/23/2017 2:26	28.14	63.4	4.93	8.1	SR4	7/23/2017 8:26	28.28	67.5	5.25	6.9	SR4	7/23/2017 14:26	27.97	68.8	5.38	6.5	SR4	7/23/2017 20:26	28.24	70.9	5.53	7.0
SR4	7/23/2017 2:31	28.12	65.1	5.06	7.4	SR4	7/23/2017 8:31	28.27	67.0	5.22	5.9	SR4	7/23/2017 14:31	27.97	70.4	5.50	5.8	SR4	7/23/2017 20:31	28.23	71.1	5.55	7.7
SR4	7/23/2017 2:36	28.11	65.1	5.06	6.6	SR4	7/23/2017 8:36	28.27	67.3	5.24	7.5	SR4	7/23/2017 14:36	27.97	73.8	5.77	9.4	SR4	7/23/2017 20:36	28.22	70.6	5.51	7.5
SR4	7/23/2017 2:41	28.09	65.0	5.05	7.1	SR4	7/23/2017 8:41	28.26	67.7	5.27	8.7	SR4	7/23/2017 14:41	27.97	73.2	5.72	5.7	SR4	7/23/2017 20:41	28.22	70.7	5.52	9.3
SR4	7/23/2017 2:46	28.08	65.4	5.08	5.7	SR4	7/23/2017 8:46	28.27	67.2	5.22	8.1	SR4	7/23/2017 14:46	27.97	74.4	5.81	7.7	SR4	7/23/2017 20:46	28.21	70.1	5.47	7.1
SR4	7/23/2017 2:51	28.12	63.9	4.97	6.4	SR4	7/23/2017 8:51	28.28	68.3	5.31	8.0	SR4	7/23/2017 14:51	27.97	74.8	5.84	5.7	SR4	7/23/2017 20:51	28.20	69.8	5.44	6.7
SR4	7/23/2017 2:56	28.23	65.9	5.13	6.9	SR4	7/23/2017 8:56	28.26	68.4	5.32	8.4	SR4	7/23/2017 14:56	27.98	75.5	5.89	9.0	SR4	7/23/2017 20:56	28.19	69.4	5.42	9.4
SR4	7/23/2017 3:01	28.39	64.5	5.02	9.3	SR4	7/23/2017 9:01	28.25	69.2	5.38	6.8	SR4	7/23/2017 15:01	28.01	76.4	5.96	7.2	SR4	7/23/2017 21:01	28.18	69.1	5.40	8.5
SR4	7/23/2017 3:06	28.50	63.6	4.95	7.7	SR4	7/23/2017 9:06	28.24	68.6	5.34	7.4	SR4	7/23/2017 15:06	28.04	77.1	6.01	9.4	SR4	7/23/2017 21:06	28.16	69.4	5.43	9.0
SR4	7/23/2017 3:11	28.53	64.1	4.99	7.7	SR4	7/23/2017 9:11	28.22	68.0	5.30	8.4	SR4	7/23/2017 15:11	28.07	79.5	6.20	5.8	SR4	7/23/2017 21:11	28.15	70.1	5.48	7.3
SR4	7/23/2017 3:16	28.53	63.7	4.96	7.4	SR4	7/23/2017 9:16	28.21	69.3	5.39	6.1	SR4	7/23/2017 15:16	28.08	78.5	6.12	6.0	SR4	7/23/2017 21:16	28.13	71.3	5.57	5.7
SR4	7/23/2017 3:21	28.49	61.7	4.80	5.8	SR4	7/23/2017 9:21	28.19	68.7	5.35	5.9	SR4	7/23/2017 15:21	28.09	78.1	6.08	6.8	SR4	7/23/2017 21:21	28.12	70.9	5.54	7.7
SR4	7/23/2017 3:26	28.44	61.2	4.76	8.2	SR4	7/23/2017 9:26	28.19	68.7	5.35	7.0	SR4	7/23/2017 15:26	28.10	79.0	6.14	5.9	SR4	7/23/2017 21:26	28.10	69.2	5.42	9.2
SR4	7/23/2017 3:31	28.41	62.7	4.88	7.2	SR4	7/23/2017 9:31	28.19	68.7	5.35	7.2	SR4	7/23/2017 15:31	28.10	78.6	6.12	8.4	SR4	7/23/2017 21:31	28.09	67.1	5.26	6.5
SR4	7/23/2017 3:36	28.38	64.1	4.98	5.7	SR4	7/23/2017 9:36	28.18	69.7	5.43	8.8	SR4	7/23/2017 15:36	28.10	76.4	5.95	5.8	SR4	7/23/2017 21:36	28.09	68.1	5.33	6.4
SR4	7/23/2017 3:41	28.33	63.5	4.93	8.8	SR4	7/23/2017 9:41	28.16	69.8	5.44	7.3	SR4	7/23/2017 15:41	28.11	76.7	5.98	9.4	SR4	7/23/2017 21:41	28.09	65.8	5.16	8.7
SR4	7/23/2017 3:46	28.28	64.1	4.97	7.4	SR4	7/23/2017 9:46	28.16	69.5	5.42	5.9	SR4	7/23/2017 15:46	28.11	79.3	6.17	9.2	SR4	7/23/2017 21:46	28.09	65.5	5.14	6.1
SR4	7/23/2017 3:51	28.26	64.3	4.98	7.3	SR4	7/23/2017 9:51	28.15	69.4	5.41	6.4	SR4	7/23/2017 15:51	28.11	69.8	5.44	8.7	SR4	7/23/2017 21:51	28.09	67.7	5.31	5.9
SR4	7/23/2017 3:56	28.26	64.4	4.99	7.7	SR4	7/23/2017 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	7/23/2017 0:00	28.72	73.3	5.84	2.9	SR5	7/23/2017 6:00	28.73	70.0	5.34	8.6	SR5	7/23/2017 12:00	28.05	69.0	5.27	7.0	SR5	7/23/2017 18:00	28.45	68.5	5.23	5.3
SR5	7/23/2017 0:05	28.70	73.2	5.79	5.1	SR5	7/23/2017 6:05	28.74	70.3	5.37	7.3	SR5	7/23/2017 12:05	28.14	69.4	5.30	6.7	SR5	7/23/2017 18:05	28.37	70.5	5.38	6.0
SR5	7/23/2017 0:10	28.69	73.0	5.82	4.1	SR5	7/23/2017 6:10	28.73	70.0	5.34	9.3	SR5	7/23/2017 12:10	28.05	69.4	5.23	6.6	SR5	7/23/2017 18:10	28.35	69.2	5.28	5.4
SR5	7/23/2017 0:15	28.69	73.1	5.79	3.5	SR5	7/23/2017 6:15	28.73	68.6	5.24	6.8	SR5	7/23/2017 12:15	28.17	68.0	5.14	7.2	SR5	7/23/2017 18:15	28.49	70.6	5.22	6.0
SR5	7/23/2017 0:20	28.68	73.1	5.81	5.2	SR5	7/23/2017 6:20	28.72	68.6	5.24	7.8	SR5	7/23/2017 12:20	28.01	70.1	5.35	6.4	SR5	7/23/2017 18:20	28.31	70.2	5.36	5.0
SR5	7/23/2017 0:25	28.67	73.1	5.81	5.9	SR5	7/23/2017 6:25	28.71	68.8	5.25	7.1	SR5	7/23/2017 12:25	28.07	69.2	5.23	5.5	SR5	7/23/2017 18:25	28.33	68.8	5.25	5.1
SR5	7/23/2017 0:30	28.66	73.1	5.81	6.0	SR5	7/23/2017 6:30	28.67	69.7	5.32	7.6	SR5	7/23/2017 12:30	28.13	69.1	5.23	6.3	SR5	7/23/2017 18:30	28.39	69.7	5.32	5.4
SR5	7/23/2017 0:35	28.64	73.1	5.80	5.4	SR5	7/23/2017 6:35	28.65	70.5	5.38	6.4	SR5	7/23/2017 12:35	28.09	68.4	5.22	6.3	SR5	7/23/2017 18:35	28.45	70.6	5.39	5.9
SR5	7/23/2017 0:40	28.63	68.7	5.24	6.1	SR5	7/23/2017 6:40	28.65	69.0	5.27	6.0	SR5	7/23/2017 12:40	28.14	68.8	5.25	7.4	SR5	7/23/2017 18:40	28.42	68.4	5.22	4.9
SR5	7/23/2017 0:45	28.60	68.5	5.23	5.9	SR5	7/23/2017 6:45	28.65	70.1	5.35	7.6	SR5	7/23/2017 12:45	28.06	69.2	5.28	7.5	SR5	7/23/2017 18:45	28.52	68.9	5.26	4.7
SR5	7/23/2017 0:50	28.60	68.8	5.25	5.8	SR5	7/23/2017 6:50	28.65	69.8	5.33	7.8	SR5	7/23/2017 12:50	28.09	70.2	5.36	7.6	SR5	7/23/2017 18:50	28.51	68.9	5.26	6.1
SR5	7/23/2017 0:55	28.57	68.2	5.21	5.5	SR5	7/23/2017 6:55	28.64	68.5	5.23	7.0	SR5	7/23/2017 12:55	28.13	69.2	5.28	6.8	SR5	7/23/2017 18:55	28.40	69.7	5.32	6.3
SR5	7/23/2017 1:00	28.62	68.4	5.22	5.9	SR5	7/23/2017 7:00	28.69	70.6	5.39	6.3	SR5	7/23/2017 13:00	28.16	70.6	5.39	8.9	SR5	7/23/2017 19:00	28.51	70.4	5.30	5.4
SR5	7/23/2017 1:05	28.63	70.0	5.34	6.4	SR5	7/23/2017 7:05	28.71	69.8	5.33	8.6	SR5	7/23/2017 13:05	27.97	70.3	5.37	8.0	SR5	7/23/2017 19:05	28.39	74.3	5.59	5.9
SR5	7/23/2017 1:10	28.63	69.7	5.32	6.7	SR5	7/23/2017 7:10	28.70	70.6	5.39	7.6	SR5	7/23/2017 13:10	28.13	69.0	5.27	7.7	SR5	7/23/2017 19:10	28.36	72.5	5.45	6.0
SR5	7/23/2017 1:15	28.64	69.0	5.27	6.0	SR5	7/23/2017 7:15	28.68	69.0	5.27	6.9	SR5	7/23/2017 13:15	28.13	69.4	5.30	7.5	SR5	7/23/2017 19:15	28.43	69.9	5.25	4.8
SR5	7/23/2017 1:20	28.64	68.6	5.24	6.5	SR5	7/23/2017 7:20	28.68	70.6	5.39	7.6	SR5	7/23/2017 13:20	28.14	69.4	5.30	7.3	SR5	7/23/2017 19:20	28.32	70.8	5.31	6.7
SR5	7/23/2017 1:25	28.65	68.8	5.25	6.7	SR5	7/23/2017 7:25	28.68	68.5	5.23	8.7	SR5	7/23/2017 13:25	27.95	68.5	5.23	5.0	SR5	7/23/2017 19:25	28.45	69.2	5.19	6.6
SR5	7/23/2017 1:30	28.68	70.1	5.35	6.9	SR5	7/23/2017 7:30	28.70	69.7	5.32	7.4	SR5	7/23/2017 13:30	28.01	69.7	5.32	8.9	SR5	7/23/2017 19:30	28.44	71.0	5.32	6.8
SR5	7/23/2017 1:35	28.64	70.0	5.34	7.2	SR5	7/23/2017 7:35	28.68	69.6	5.31	7.5	SR5	7/23/2017 13:35	28.03	70.1	5.35	5.9	SR5	7/23/2017 19:35	28.42	70.3	5.27	5.7
SR5	7/23/2017 1:40	28.67	68.5	5.23	6.9	SR5	7/23/2017 7:40	28.69	69.8	5.33	7.9	SR5	7/23/2017 13:40	28.03	69.7	5.32	5.6	SR5	7/23/2017 19:40	28.41	69.8	5.33	5.9
SR5	7/23/2017 1:45	28.68	68.6	5.24	5.8	SR5	7/23/2017 7:45	28.69	70.2	5.36	8.4	SR5	7/23/2017 13:45	27.99	70.2	5.36	5.7	SR5	7/23/2017 19:45	28.35	69.4	5.30	6.3
SR5	7/23/2017 1:50	28.67	69.6	5.31	7.0	SR5	7/23/2017 7:50	28.69	68.6	5.24	8.3	SR5	7/23/2017 13:50	28.14	69.2	5.28	5.8	SR5	7/23/2017 19:50	28.27	69.0	5.27	5.3
SR5	7/23/2017 1:55	28.63	69.0	5.27	7.6	SR5	7/23/2017 7:55	28.67	69.2	5.28	6.6	SR5	7/23/2017 13:55	28.12	69.3	5.29	5.8	SR5	7/23/2017 19:55	28.27	69.6	5.22	5.7
SR5	7/23/2017 2:00	28.60	69.6	5.31	5.8	SR5	7/23/2017 8:00	28.66	68.0	5.10	5.6	SR5	7/23/2017 14:00	27.99	68.8	5.25	4.8	SR5	7/23/2017 20:00	28.28	69.7	5.23	5.2
SR5	7/23/2017 2:05	28.61	69.2	5.28	7.7	SR5	7/23/2017 8:05	28.67	67.7	5.06	6.9	SR5	7/23/2017 14:05	28.13	70.0	5.34	5.4	SR5	7/23/2017 20:05	28.44	67.7	5.07	5.1
SR5	7/23/2017 2:10	28.60	69.4	5.30	6.4	SR5	7/23/2017 8:10	28.68	67.1	5.02	6.1	SR5	7/23/2017 14:10	28.05	69.4	5.30	5.4	SR5	7/23/2017 20:10	28.42	69.4	5.21	5.9
SR5	7/23/2017 2:15	28.57	70.1	5.35	7.8	SR5	7/23/2017 8:15	28.65	69.8	5.33	6.1	SR5	7/23/2017 14:15	28.08	70.1	5.35	6.2	SR5	7/23/2017 20:15	28.33	68.9	5.26	5.2
SR5	7/23/2017 2:20	28.58	70.3	5.37	7.1	SR5	7/23/2017 8:20	28.68	70.0	5.34	6.4	SR5	7/23/2017 14:20	28.15	69.7	5.32	5.4	SR5	7/23/2017 20:20	28.27	68.9	5.26	6.2
SR5	7/23/2017 2:25	28.59	68.8	5.25	7.1	SR5	7/23/2017 8:25	28.66	68.9	5.26	6.2	SR5	7/23/2017 14:25	28.02	69.2	5.28	5.0	SR5	7/23/2017 20:25	28.34	68.4	5.22	5.6
SR5	7/23/2017 2:30	28.59	68.9	5.26	6.7	SR5	7/23/2017 8:30	28.66	69.2	5.28	5.9	SR5	7/23/2017 14:30	28.09	68.9	5.26	4.6	SR5	7/23/2017 20:30	28.24	68.6	5.24	5.9
SR5	7/23/2017 2:35	28.51	68.9	5.26	5.9	SR5	7/23/2017 8:35	28.65	69.7	5.23	6.5	SR5	7/23/2017 14:35	28.16	69.7	5.32	6.6	SR5	7/23/2017 20:35	28.41	69.0	5.27	5.7
SR5	7/23/2017 2:40	28.49	68.4	5.22	6.5	SR5	7/23/2017 8:40	28.65	70.0	5.34	7.2	SR5	7/23/2017 14:40	28.00	68.6	5.24	4.7	SR5	7/23/2017 20:40	28.28	69.4	5.30	6.7
SR5	7/23/2017 2:45	28.54	70.1	5.35	5.7	SR5	7/23/2017 8:45	28.67	69.2	5.28	6.7	SR5	7/23/2017 14:45	28.12	68.5	5.23	5.6	SR5	7/23/2017 20:45	28.25	69.8	5.33	5.6
SR5	7/23/2017 2:50	28.91	69.6	5.31	6.1	SR5	7/23/2017 8:50	28.67	68.9	5.26	6.7	SR5	7/23/2017 14:50	28.06	68.8	5.25	4.6	SR5	7/23/2017 20:50	28.34	69.0	5.27	5.4
SR5	7/23/2017 2:55	29.08	69.7	5.32	6.3	SR5	7/23/2017 8:55	28.68	69.6	5.31	6.8	SR5	7/23/2017 14:55	28.11	67.6	4.98	6.2	SR5	7/23/2017 20:55	28.25	69.7	5.32	7.1
SR5	7/23/2017 3:00	29.13	69.4	5.30	7.7	SR5	7/23/2017 9:00	28.63	70.0	5.34	6.1	SR5	7/23/2017 15:00	27.98	68.4	5.04	5.4	SR5	7/23/2017 21:00	28.24	69.2	5.28	6.4
SR5	7/23/2017 3:05	29.08	69.7	5.32	6.9	SR5	7/23/2017 9:05	28.64	69.6	5.21	6.5	SR5	7/23/2017 15:05	28.10	70.8	5.22	6.3	SR5	7/23/2017 21:05	28.29	69.6	5.23	6.9
SR5	7/23/2017 3:10	28.98	68.5	5.23	6.9	SR5	7/23/2017 9:10	28.61	67.7	5.07	6.9	SR5	7/23/2017 15:10	28.06	70.2	5.36	4.6	SR5	7/23/2017 21:10	28.29	69.1	5.19	5.9
SR5	7/23/2017 3:15	28.89	68.4	5.22	6.6	SR5	7/23/2017 9:15	28.59	68.8	5.25	6.0	SR5	7/23/2017 15:15	28.09	71.0	5.24	4.8	SR5	7/23/2017 21:15	28.23	69.5	5.22	5.2
SR5	7/23/2017 3:20	28.84	69.2	5.28	5.7	SR5	7/23/2017 9:20	28.60	69.2	5.28	5.8	SR5	7/23/2017 15:20	28.25	68.5	5.23	5.2	SR5	7/23/2017 21:20	28.21	70.1	5.27	6.1
SR5	7/23/2017 3:25	28.80	68.5	5.23	7.0	SR5	7/23/2017 9:25	28.58	68.8	5.25	6.3	SR5	7/23/2017 15:25	28.27	68.4	5.22	4.7	SR5	7/23/2017 21:25	28.13	68.0	5.11	6.8
SR5	7/23/2017 3:30	28.81	70.3	5.37	6.6	SR5	7/23/2017 9:30	28.57	69.9	5.26	6.3	SR5	7/23/2017 15:30	28.10	70.5	5.38	6.0	SR5	7/23/2017 21:30	28.11	67.4	5.06	5.8
SR5	7/23/2017 3:35	28.78	70.2	5.36	6.2	SR5	7/23/2017 9:35	28.57	70.5	5.38	6.9	SR5	7/23/2017 15:35	28.10	70.5	5.38	4.7	SR5	7/23/2017 21:35	28.21	69.2	5.21	5.7
SR5	7/23/2017 3:40	28.70	69.4	5.30	7.6	SR5	7/23/2017 9:40	28.58	69.8	5.23	6.0	SR5	7/23/2017 15:40	28.19	70.6	5.39	6.5	SR5	7/23/2017 21:40	28.29	70.0	5.34	6.8
SR5	7/23/2017 3:45	28.67	70.0	5.34	7.4	SR5	7/23/2017 9:45	28.56	70.3	5.26	5.5	SR5	7/23/2017 15:45	28.28	69.2	5.28	6.4	SR5	7/23/2017 21:45	28.20	70.0	5.34	5.3
SR5	7/23/2017 3:50	28.69	69.6	5.31	7.6	SR5	7/23/2017 9:50	28.55	69.9	5.23	6.1	SR5	7/23/2017 15:50	28.12	69.8	5.33	6.0	SR5	7/23/2017 21:50	28.10	69.8	5.33	5.6
SR5	7/23/2017 3:55	28.70	68.8	5.25	8.3	SR5	7/23/2017 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	7/23/2017 0:01	28.17	75.6	5.80	8.1	SR12	7/23/2017 6:01	28.20	65.0	4.88	7.3	SR12	7/23/2017 12:01	28.24	69.0	5.21	7.1	SR12	7/23/2017 18:01	28.45	79.6	5.99	6.4
SR12	7/23/2017 0:06	28.14	73.8	5.66	8.0	SR12	7/23/2017 6:06	28.20	65.7	4.93	5.6	SR12	7/23/2017 12:06	28.04	66.9	5.05	7.2	SR12	7/23/2017 18:06	28.48	78.6	5.91	7.0
SR12	7/23/2017 0:11	28.14	72.6	5.57	7.3	SR12	7/23/2017 6:11	28.18	65.9	4.95	7.1	SR12	7/23/2017 12:11	28.04	71.4	5.40	6.8	SR12	7/23/2017 18:11	28.43	77.4	5.82	6.4
SR12	7/23/2017 0:16	28.14	71.4	5.48	7.1	SR12	7/23/2017 6:16	28.18	65.3	4.90	6.3	SR12	7/23/2017 12:16	28.17	70.4	5.32	7.3	SR12	7/23/2017 18:16	28.48	78.4	5.89	7.0
SR12	7/23/2017 0:21	28.11	72.1	5.53	8.6	SR12	7/23/2017 6:21	28.18	66.3	4.98	7.0	SR12	7/23/2017 12:21	28.13	70.1	5.30	7.1	SR12	7/23/2017 18:21	28.39	77.7	5.84	6.2
SR12	7/23/2017 0:26	28.12	69.7	5.35	7.6	SR12	7/23/2017 6:26	28.16	66.1	4.96	6.1	SR12	7/23/2017 12:26	28.10	68.7	5.19	5.9	SR12	7/23/2017 18:26	28.45	77.2	5.81	6.1
SR12	7/23/2017 0:31	28.12	67.3	5.17	7.7	SR12	7/23/2017 6:31	28.13	66.9	5.02	6.6	SR12	7/23/2017 12:31	28.14	69.7	5.27	6.6	SR12	7/23/2017 18:31	28.39	76.9	5.78	6.0
SR12	7/23/2017 0:36	28.10	69.6	5.34	7.4	SR12	7/23/2017 6:36	28.12	66.9	5.02	6.6	SR12	7/23/2017 12:36	28.00	70.1	5.30	6.4	SR12	7/23/2017 18:36	28.52	77.0	5.80	6.8
SR12	7/23/2017 0:41	28.09	69.2	5.31	8.1	SR12	7/23/2017 6:41	28.11	66.6	5.01	6.1	SR12	7/23/2017 12:41	27.99	68.3	5.16	6.9	SR12	7/23/2017 18:41	28.39	76.5	5.75	5.9
SR12	7/23/2017 0:46	28.08	66.2	5.08	8.0	SR12	7/23/2017 6:46	28.12	68.2	5.12	7.4	SR12	7/23/2017 12:46	28.13	69.5	5.25	6.4	SR12	7/23/2017 18:46	28.52	77.3	5.82	6.0
SR12	7/23/2017 0:51	28.06	66.3	5.08	7.2	SR12	7/23/2017 6:51	28.12	67.0	5.04	7.7	SR12	7/23/2017 12:51	28.12	67.9	5.13	7.9	SR12	7/23/2017 18:51	28.50	76.7	5.77	7.1
SR12	7/23/2017 0:56	28.03	69.9	5.36	7.2	SR12	7/23/2017 6:56	28.11	67.5	5.07	6.8	SR12	7/23/2017 12:56	27.99	66.9	5.05	6.7	SR12	7/23/2017 18:56	28.36	77.3	5.82	7.4
SR12	7/23/2017 1:01	28.05	69.1	5.30	7.4	SR12	7/23/2017 7:01	28.17	67.9	5.10	5.8	SR12	7/23/2017 13:01	28.16	65.7	4.96	7.4	SR12	7/23/2017 19:01	28.44	76.8	5.82	6.5
SR12	7/23/2017 1:06	28.06	67.7	5.20	7.8	SR12	7/23/2017 7:06	28.18	67.2	5.06	7.2	SR12	7/23/2017 13:06	28.09	67.0	5.03	6.9	SR12	7/23/2017 19:06	28.43	76.6	5.79	7.1
SR12	7/23/2017 1:11	28.08	67.9	5.21	8.2	SR12	7/23/2017 7:11	28.17	68.2	5.14	6.9	SR12	7/23/2017 13:11	28.04	68.3	5.13	6.5	SR12	7/23/2017 19:11	28.31	73.5	5.56	7.3
SR12	7/23/2017 1:16	28.10	66.7	5.12	7.6	SR12	7/23/2017 7:16	28.15	68.0	5.12	6.2	SR12	7/23/2017 13:16	28.02	66.7	5.01	6.3	SR12	7/23/2017 19:16	28.31	73.2	5.53	5.9
SR12	7/23/2017 1:21	28.10	66.2	5.09	8.0	SR12	7/23/2017 7:21	28.14	68.1	5.13	7.1	SR12	7/23/2017 13:21	28.05	68.5	5.14	6.3	SR12	7/23/2017 19:21	28.46	72.4	5.47	7.7
SR12	7/23/2017 1:26	28.11	64.8	4.91	8.3	SR12	7/23/2017 7:26	28.15	67.9	5.12	7.1	SR12	7/23/2017 13:26	28.07	69.1	5.19	5.9	SR12	7/23/2017 19:26	28.29	71.8	5.42	7.3
SR12	7/23/2017 1:31	28.13	64.3	4.87	8.2	SR12	7/23/2017 7:31	28.18	68.5	5.16	6.9	SR12	7/23/2017 13:31	28.04	69.1	5.19	6.8	SR12	7/23/2017 19:31	28.47	73.3	5.53	7.6
SR12	7/23/2017 1:36	28.08	63.4	4.80	8.6	SR12	7/23/2017 7:36	28.16	67.6	5.09	6.4	SR12	7/23/2017 13:36	28.02	68.4	5.14	7.0	SR12	7/23/2017 19:36	28.32	72.7	5.49	6.9
SR12	7/23/2017 1:41	28.08	63.4	4.83	8.1	SR12	7/23/2017 7:41	28.16	66.3	4.99	6.6	SR12	7/23/2017 13:41	28.00	70.6	5.30	6.8	SR12	7/23/2017 19:41	28.43	71.7	5.40	7.2
SR12	7/23/2017 1:46	28.10	63.2	4.79	7.0	SR12	7/23/2017 7:46	28.15	66.5	5.01	7.6	SR12	7/23/2017 13:46	28.03	69.9	5.25	6.7	SR12	7/23/2017 19:46	28.40	70.9	5.35	7.6
SR12	7/23/2017 1:51	28.06	63.4	4.80	8.2	SR12	7/23/2017 7:51	28.15	68.0	5.12	7.6	SR12	7/23/2017 13:51	28.08	70.0	5.25	6.7	SR12	7/23/2017 19:51	28.36	71.6	5.40	6.4
SR12	7/23/2017 1:56	28.06	64.1	4.86	8.6	SR12	7/23/2017 7:56	28.14	68.8	5.18	6.8	SR12	7/23/2017 13:56	28.01	70.5	5.30	7.7	SR12	7/23/2017 19:56	28.44	72.0	5.43	6.9
SR12	7/23/2017 2:01	28.04	63.6	4.82	6.8	SR12	7/23/2017 8:01	28.13	69.1	5.20	6.1	SR12	7/23/2017 14:01	27.96	71.2	5.35	5.8	SR12	7/23/2017 20:01	28.28	71.9	5.42	6.5
SR12	7/23/2017 2:06	28.05	63.9	4.84	8.6	SR12	7/23/2017 8:06	28.13	68.1	5.13	7.3	SR12	7/23/2017 14:06	28.13	70.3	5.28	6.6	SR12	7/23/2017 20:06	28.29	71.5	5.39	6.2
SR12	7/23/2017 2:11	28.05	64.3	4.88	7.4	SR12	7/23/2017 8:11	28.14	68.8	5.18	6.5	SR12	7/23/2017 14:11	28.11	70.8	5.32	6.6	SR12	7/23/2017 20:11	28.30	72.0	5.43	6.7
SR12	7/23/2017 2:16	28.01	65.8	4.95	8.9	SR12	7/23/2017 8:16	28.13	69.6	5.25	6.4	SR12	7/23/2017 14:16	27.99	71.3	5.35	7.4	SR12	7/23/2017 20:16	28.34	72.1	5.43	6.6
SR12	7/23/2017 2:21	28.02	65.9	4.96	8.1	SR12	7/23/2017 8:21	28.13	68.7	5.18	7.1	SR12	7/23/2017 14:21	28.10	71.9	5.40	6.6	SR12	7/23/2017 20:21	28.37	71.8	5.41	7.4
SR12	7/23/2017 2:26	28.00	66.7	5.01	8.1	SR12	7/23/2017 8:26	28.12	68.1	5.13	6.5	SR12	7/23/2017 14:26	28.13	69.2	5.19	6.1	SR12	7/23/2017 20:26	28.43	71.2	5.37	6.3
SR12	7/23/2017 2:31	28.00	67.5	5.08	7.9	SR12	7/23/2017 8:31	28.13	67.9	5.12	6.1	SR12	7/23/2017 14:31	28.02	70.4	5.28	5.8	SR12	7/23/2017 20:31	28.44	71.9	5.43	6.0
SR12	7/23/2017 2:36	27.96	68.0	5.11	7.5	SR12	7/23/2017 8:36	28.12	69.4	5.23	7.1	SR12	7/23/2017 14:36	27.99	73.2	5.49	7.6	SR12	7/23/2017 20:36	28.35	70.5	5.32	5.9
SR12	7/23/2017 2:41	27.95	67.3	5.06	7.5	SR12	7/23/2017 8:41	28.12	69.7	5.25	7.4	SR12	7/23/2017 14:41	27.97	72.5	5.44	5.7	SR12	7/23/2017 20:41	28.32	71.4	5.40	7.1
SR12	7/23/2017 2:46	28.02	67.9	5.11	6.9	SR12	7/23/2017 8:46	28.14	69.0	5.19	7.1	SR12	7/23/2017 14:46	27.97	73.6	5.52	7.4	SR12	7/23/2017 20:46	28.35	70.5	5.33	5.5
SR12	7/23/2017 2:51	28.31	66.2	4.99	7.2	SR12	7/23/2017 8:51	28.16	70.0	5.27	7.3	SR12	7/23/2017 14:51	28.17	74.5	5.58	5.6	SR12	7/23/2017 20:51	28.28	69.7	5.26	5.4
SR12	7/23/2017 2:56	28.52	67.3	5.07	7.5	SR12	7/23/2017 8:56	28.14	69.4	5.23	7.4	SR12	7/23/2017 14:56	27.97	73.4	5.50	7.3	SR12	7/23/2017 20:56	28.31	70.3	5.31	7.0
SR12	7/23/2017 3:01	28.55	66.1	4.98	8.7	SR12	7/23/2017 9:01	28.11	70.1	5.28	6.5	SR12	7/23/2017 15:01	28.16	74.4	5.58	6.4	SR12	7/23/2017 21:01	28.27	69.4	5.24	6.1
SR12	7/23/2017 3:06	28.52	65.9	4.97	7.9	SR12	7/23/2017 9:06	28.12	69.8	5.26	7.0	SR12	7/23/2017 15:06	28.06	75.4	5.65	7.5	SR12	7/23/2017 21:06	28.25	70.9	5.36	6.5
SR12	7/23/2017 3:11	28.42	65.8	4.96	7.7	SR12	7/23/2017 9:11	28.10	68.7	5.18	7.2	SR12	7/23/2017 15:11	28.20	77.0	5.78	5.8	SR12	7/23/2017 21:11	28.32	70.4	5.32	5.8
SR12	7/23/2017 3:16	28.32	64.8	4.88	7.7	SR12	7/23/2017 9:16	28.07	69.9	5.27	6.1	SR12	7/23/2017 15:16	28.09	76.7	5.75	5.9	SR12	7/23/2017 21:16	28.24	71.1	5.37	4.6
SR12	7/23/2017 3:21	28.29	64.8	4.87	6.9	SR12	7/23/2017 9:21	28.08	69.1	5.21	6.0	SR12	7/23/2017 15:21	28.11	76.6	5.73	6.3	SR12	7/23/2017 21:21	28.26	71.8	5.43	5.6
SR12	7/23/2017 3:26	28.25	64.7	4.87	8.2	SR12	7/23/2017 9:26	28.06	70.0	5.27	6.3	SR12	7/23/2017 15:26	28.10	76.2	5.71	5.8	SR12	7/23/2017 21:26	28.16	69.8	5.28	6.3
SR12	7/23/2017 3:31	28.26	65.8	4.95	7.8	SR12	7/23/2017 9:31	28.06	69.5	5.24	6.5	SR12	7/23/2017 15:31	28.27	76.2	5.70	7.1	SR12	7/23/2017 21:31	28.26	69.0	5.22	5.3
SR12	7/23/2017 3:36	28.24	66.3	4.98	7.1	SR12	7/23/2017 9:36	28.05	70.4	5.31	7.4	SR12	7/23/2017 15:36	28.14	74.6	5.59	5.8	SR12	7/23/2017 21:36	28.19	70.2	5.31	5.4
SR12	7/23/2017 3:41	28.16	65.8	4.95	8.7	SR12	7/23/2017 9:41	28.05	70.4	5.31	6.8	SR12	7/23/2017 15:41	28.19	75.5	5.66	7.5	SR12	7/23/2017 21:41	28.13	68.0	5.14	6.5
SR12	7/23/2017 3:46	28.14	66.0	4.96	7.8	SR12	7/23/2017 9:46	28.05	71.0	5.36	5.9	SR12	7/23/2017 15:46	28.26	77.3	5.79	7.4	SR12	7/23/2017 21:46	28.28	67.9	5.14	5.2
SR12	7/23/2017 3:51	28.15	66.3	4.98	7.8	SR12	7/23/2017 9:51	28.30	70.8	5.34	6.3	SR12	7/23/2017 15:51	28.17									

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	7/23/2017 0:00	28.15	70.3	5.17	8.0	SR13	7/23/2017 6:00	28.12	64.0	4.91	7.4	SR13	7/23/2017 12:00	28.27	64.1	4.93	7.8	SR13	7/23/2017 18:00	28.08	68.9	5.14	6.7
SR13	7/23/2017 0:05	28.14	70.0	5.13	7.6	SR13	7/23/2017 6:05	28.13	64.5	4.95	6.5	SR13	7/23/2017 12:05	28.23	63.1	4.85	7.5	SR13	7/23/2017 18:05	28.09	67.6	5.04	8.2
SR13	7/23/2017 0:10	28.12	69.8	5.10	7.3	SR13	7/23/2017 6:10	28.13	64.7	4.96	6.9	SR13	7/23/2017 12:10	28.04	67.4	5.20	7.7	SR13	7/23/2017 18:10	28.17	68.5	5.10	6.3
SR13	7/23/2017 0:15	28.12	69.7	5.15	7.0	SR13	7/23/2017 6:15	28.13	64.5	4.95	8.7	SR13	7/23/2017 12:15	28.23	64.5	4.96	7.0	SR13	7/23/2017 18:15	28.47	69.8	5.20	6.2
SR13	7/23/2017 0:20	28.12	69.6	5.10	7.5	SR13	7/23/2017 6:20	28.13	65.2	5.00	8.7	SR13	7/23/2017 12:20	28.22	67.4	5.20	8.2	SR13	7/23/2017 18:20	28.46	68.7	5.11	7.8
SR13	7/23/2017 0:25	28.11	69.3	5.12	6.9	SR13	7/23/2017 6:25	28.13	65.2	5.00	7.7	SR13	7/23/2017 12:25	27.79	67.6	5.22	8.1	SR13	7/23/2017 18:25	28.47	67.0	4.99	8.1
SR13	7/23/2017 0:30	28.11	69.2	5.13	7.0	SR13	7/23/2017 6:30	28.13	65.8	5.04	6.8	SR13	7/23/2017 12:30	27.79	67.2	5.19	8.2	SR13	7/23/2017 18:30	28.58	68.9	4.98	7.3
SR13	7/23/2017 0:35	28.08	69.4	5.13	7.9	SR13	7/23/2017 6:35	28.12	66.0	5.06	8.7	SR13	7/23/2017 12:35	27.78	66.0	5.09	7.8	SR13	7/23/2017 18:35	28.63	67.3	5.02	8.3
SR13	7/23/2017 0:40	28.06	69.5	5.18	8.4	SR13	7/23/2017 6:40	28.10	65.9	5.06	8.3	SR13	7/23/2017 12:40	27.78	62.9	4.84	7.7	SR13	7/23/2017 18:40	28.52	66.9	4.98	7.7
SR13	7/23/2017 0:45	28.04	69.3	5.12	7.8	SR13	7/23/2017 6:45	28.09	67.0	5.14	7.2	SR13	7/23/2017 12:45	27.78	64.1	4.94	7.4	SR13	7/23/2017 18:45	28.68	69.1	5.15	7.0
SR13	7/23/2017 0:50	28.02	69.2	5.17	7.6	SR13	7/23/2017 6:50	28.09	66.1	5.07	8.3	SR13	7/23/2017 12:50	27.78	62.6	4.82	7.5	SR13	7/23/2017 18:50	28.67	67.9	5.06	8.2
SR13	7/23/2017 0:55	28.02	69.3	5.15	8.0	SR13	7/23/2017 6:55	28.08	66.5	5.10	8.6	SR13	7/23/2017 12:55	27.78	61.9	4.77	6.5	SR13	7/23/2017 18:55	28.56	68.2	5.08	8.2
SR13	7/23/2017 1:00	28.02	69.2	5.17	7.8	SR13	7/23/2017 7:00	28.08	66.9	5.13	7.3	SR13	7/23/2017 13:00	27.78	60.7	4.68	7.3	SR13	7/23/2017 19:00	28.60	72.7	5.61	8.7
SR13	7/23/2017 1:05	28.02	69.1	5.17	8.3	SR13	7/23/2017 7:05	28.10	66.7	5.12	6.8	SR13	7/23/2017 13:05	27.78	62.8	4.67	8.2	SR13	7/23/2017 19:05	28.57	78.0	6.02	8.0
SR13	7/23/2017 1:10	28.03	69.1	5.15	8.0	SR13	7/23/2017 7:10	28.12	67.4	5.18	7.6	SR13	7/23/2017 13:10	27.78	64.3	4.78	7.5	SR13	7/23/2017 19:10	28.50	76.0	5.87	8.0
SR13	7/23/2017 1:15	28.03	69.1	5.19	6.6	SR13	7/23/2017 7:15	28.12	67.4	5.18	8.8	SR13	7/23/2017 13:15	27.78	62.8	4.67	7.5	SR13	7/23/2017 19:15	28.47	73.5	5.67	8.6
SR13	7/23/2017 1:20	28.04	69.0	5.18	7.7	SR13	7/23/2017 7:20	28.11	68.0	5.22	8.0	SR13	7/23/2017 13:20	27.78	64.4	4.79	7.5	SR13	7/23/2017 19:20	28.52	72.5	5.59	6.9
SR13	7/23/2017 1:25	28.05	68.8	5.16	8.5	SR13	7/23/2017 7:25	28.11	67.7	5.20	6.9	SR13	7/23/2017 13:25	27.77	64.8	4.82	7.9	SR13	7/23/2017 19:25	28.44	71.5	5.51	7.4
SR13	7/23/2017 1:30	28.06	68.8	5.20	6.5	SR13	7/23/2017 7:30	28.11	67.8	5.21	6.7	SR13	7/23/2017 13:30	27.77	63.1	4.69	7.0	SR13	7/23/2017 19:30	28.65	72.1	5.55	6.8
SR13	7/23/2017 1:35	28.06	68.7	5.16	8.8	SR13	7/23/2017 7:35	28.12	67.6	5.20	8.1	SR13	7/23/2017 13:35	27.77	62.8	4.67	7.3	SR13	7/23/2017 19:35	28.51	71.7	5.53	6.5
SR13	7/23/2017 1:40	28.06	62.3	4.80	7.4	SR13	7/23/2017 7:40	28.12	66.7	5.13	7.7	SR13	7/23/2017 13:40	27.77	66.0	4.91	7.5	SR13	7/23/2017 19:40	28.54	71.6	5.51	6.9
SR13	7/23/2017 1:45	28.07	62.3	4.81	8.9	SR13	7/23/2017 7:45	28.12	66.7	5.13	7.3	SR13	7/23/2017 13:45	27.78	64.0	4.76	8.5	SR13	7/23/2017 19:45	28.54	70.5	5.43	7.6
SR13	7/23/2017 1:50	28.07	63.0	4.86	7.8	SR13	7/23/2017 7:50	28.13	68.1	5.23	7.1	SR13	7/23/2017 13:50	27.77	63.3	4.71	7.3	SR13	7/23/2017 19:50	28.40	70.2	5.41	7.9
SR13	7/23/2017 1:55	28.08	64.1	4.95	7.8	SR13	7/23/2017 7:55	28.13	68.5	5.26	7.2	SR13	7/23/2017 13:55	27.76	65.2	4.85	6.7	SR13	7/23/2017 19:55	28.47	70.3	5.41	7.6
SR13	7/23/2017 2:00	28.06	62.5	4.82	7.8	SR13	7/23/2017 8:00	28.12	68.5	5.26	6.6	SR13	7/23/2017 14:00	27.76	64.1	4.77	6.9	SR13	7/23/2017 20:00	28.28	70.0	5.39	7.9
SR13	7/23/2017 2:05	28.05	64.1	4.94	7.3	SR13	7/23/2017 8:05	28.13	67.4	5.18	7.9	SR13	7/23/2017 14:05	27.77	63.8	4.74	8.8	SR13	7/23/2017 20:05	28.30	68.3	5.26	7.4
SR13	7/23/2017 2:10	28.04	64.7	5.00	7.1	SR13	7/23/2017 8:10	28.14	68.3	5.25	7.7	SR13	7/23/2017 14:10	27.77	64.9	4.83	7.3	SR13	7/23/2017 20:10	28.42	69.0	5.31	8.2
SR13	7/23/2017 2:15	28.03	64.8	4.98	6.5	SR13	7/23/2017 8:15	28.14	68.7	5.29	8.1	SR13	7/23/2017 14:15	27.77	65.7	4.88	7.7	SR13	7/23/2017 20:15	28.43	70.1	5.39	7.9
SR13	7/23/2017 2:20	28.00	65.0	5.00	7.1	SR13	7/23/2017 8:20	28.14	68.7	5.29	7.6	SR13	7/23/2017 14:20	27.77	65.8	4.89	6.4	SR13	7/23/2017 20:20	28.48	69.5	5.35	7.2
SR13	7/23/2017 2:25	28.00	65.7	5.04	7.3	SR13	7/23/2017 8:25	28.13	67.9	5.22	8.3	SR13	7/23/2017 14:25	27.78	64.4	4.79	8.5	SR13	7/23/2017 20:25	28.59	69.6	5.36	8.6
SR13	7/23/2017 2:30	28.02	65.6	5.04	8.5	SR13	7/23/2017 8:30	28.12	67.9	5.22	7.1	SR13	7/23/2017 14:30	27.79	66.0	4.90	7.5	SR13	7/23/2017 20:30	28.52	69.4	5.34	8.0
SR13	7/23/2017 2:35	28.04	66.8	5.12	7.4	SR13	7/23/2017 8:35	28.12	69.9	5.38	7.5	SR13	7/23/2017 14:35	27.80	66.0	4.91	9.0	SR13	7/23/2017 20:35	28.51	69.0	5.31	8.6
SR13	7/23/2017 2:40	28.03	66.6	5.11	7.3	SR13	7/23/2017 8:40	28.12	70.2	5.40	7.7	SR13	7/23/2017 14:40	27.80	65.3	4.86	7.4	SR13	7/23/2017 20:40	28.46	69.6	5.36	7.7
SR13	7/23/2017 2:45	27.99	67.0	5.15	7.1	SR13	7/23/2017 8:45	28.12	69.8	5.37	6.8	SR13	7/23/2017 14:45	27.80	65.1	4.84	6.4	SR13	7/23/2017 20:45	28.52	69.5	5.36	6.5
SR13	7/23/2017 2:50	28.02	65.7	5.05	7.0	SR13	7/23/2017 8:50	28.12	70.4	5.41	6.7	SR13	7/23/2017 14:50	27.82	67.1	4.98	7.7	SR13	7/23/2017 20:50	28.42	68.8	5.30	7.5
SR13	7/23/2017 2:55	28.21	66.1	5.09	7.8	SR13	7/23/2017 8:55	28.11	68.5	5.27	9.0	SR13	7/23/2017 14:55	27.86	66.3	4.92	7.4	SR13	7/23/2017 20:55	28.31	68.5	5.28	8.3
SR13	7/23/2017 3:00	28.34	65.6	5.05	7.4	SR13	7/23/2017 9:00	28.10	70.2	5.40	7.4	SR13	7/23/2017 15:00	27.88	65.9	4.90	8.5	SR13	7/23/2017 21:00	28.38	68.2	5.26	7.2
SR13	7/23/2017 3:05	28.46	65.2	5.02	6.3	SR13	7/23/2017 9:05	28.09	70.5	5.43	8.5	SR13	7/23/2017 15:05	27.90	68.1	5.06	6.8	SR13	7/23/2017 21:05	28.44	69.6	5.37	7.3
SR13	7/23/2017 3:10	28.45	64.9	5.00	8.3	SR13	7/23/2017 9:10	28.07	69.1	5.32	7.6	SR13	7/23/2017 15:10	27.90	68.3	5.08	8.4	SR13	7/23/2017 21:10	28.42	69.5	5.36	8.2
SR13	7/23/2017 3:15	28.43	63.6	4.89	7.9	SR13	7/23/2017 9:15	28.05	71.0	5.46	7.3	SR13	7/23/2017 15:15	27.91	68.5	5.09	8.4	SR13	7/23/2017 21:15	28.29	69.8	5.38	7.1
SR13	7/23/2017 3:20	28.37	63.1	4.85	7.8	SR13	7/23/2017 9:20	28.04	69.1	5.32	7.5	SR13	7/23/2017 15:20	27.92	66.9	4.97	8.7	SR13	7/23/2017 21:20	28.36	70.4	5.43	7.1
SR13	7/23/2017 3:25	28.35	64.8	4.99	7.6	SR13	7/23/2017 9:25	28.03	70.0	5.38	8.5	SR13	7/23/2017 15:25	27.94	67.9	5.04	7.5	SR13	7/23/2017 21:25	28.19	68.8	5.31	7.2
SR13	7/23/2017 3:30	28.31	65.8	5.06	7.9	SR13	7/23/2017 9:30	28.03	70.7	5.45	8.1	SR13	7/23/2017 15:30	27.95	67.0	4.97	7.7	SR13	7/23/2017 21:30	28.36	67.8	5.23	7.2
SR13	7/23/2017 3:35	28.28	65.9	5.05	7.7	SR13	7/23/2017 9:35	28.02	69.4	5.34	8.1	SR13	7/23/2017 15:35	27.95	66.2	4.92	8.4	SR13	7/23/2017 21:35	28.31	68.4	5.28	8.7
SR13	7/23/2017 3:40	28.24	65.8	5.05	7.7	SR13	7/23/2017 9:40	28.01	69.7	5.37	6.9	SR13	7/23/2017 15:40	27.96	67.4	5.01	7.6	SR13	7/23/2017 21:40	28.33	67.4	5.21	6.9
SR13	7/23/2017 3:45	28.20	65.9	5.05	6.5	SR13	7/23/2017 9:45	28.00	69.7	5.37	8.3	SR13	7/23/2017 15:45	27.97	69.2	5.14	8.2	SR13	7/23/2017 21:45	28.38	66.5	5.14	8.4
SR13	7/23/2017 3:50	28.18	66.2	5.07	8.2	SR13	7/23/2017 9:50	27.99	69.7	5.36	7.9	SR13	7/23/2017 15:50	27.97	65.4	4.85	7.4						

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	7/23/2017 0:17	0.15				SR12	7/23/2017 0:17	0.14			
SR4	7/23/2017 0:37	0.15				SR12	7/23/2017 0:37	0.15			
SR4	7/23/2017 0:57	0.17				SR12	7/23/2017 0:57	0.17			
SR4	7/23/2017 1:17	0.15				SR12	7/23/2017 1:17	0.17			
SR4	7/23/2017 1:37	0.16				SR12	7/23/2017 1:37	0.14			
SR4	7/23/2017 1:57	0.16				SR12	7/23/2017 1:57	0.18			
SR4	7/23/2017 2:17	0.15				SR12	7/23/2017 2:17	0.16			
SR4	7/23/2017 2:37	0.17				SR12	7/23/2017 2:37	0.16			
SR4	7/23/2017 2:57	0.18				SR12	7/23/2017 2:57	0.15			
SR4	7/23/2017 3:17	0.16				SR12	7/23/2017 3:17	0.14			
SR4	7/23/2017 3:37	0.16				SR12	7/23/2017 3:37	0.18			
SR4	7/23/2017 3:57	0.17				SR12	7/23/2017 3:57	0.18			
SR4	7/23/2017 4:17	0.16				SR12	7/23/2017 4:17	0.14			
SR4	7/23/2017 4:37	0.16				SR12	7/23/2017 4:37	0.16			
SR4	7/23/2017 4:57	0.16				SR12	7/23/2017 4:57	0.16			
SR4	7/23/2017 5:17	0.15				SR12	7/23/2017 5:17	0.15			
SR4	7/23/2017 5:37	0.17				SR12	7/23/2017 5:37	0.17			
SR4	7/23/2017 5:57	0.17				SR12	7/23/2017 5:57	0.16			
SR4						SR12					
SR4	7/23/2017 6:37	0.16				SR12	7/23/2017 6:37	0.17			
SR4	7/23/2017 6:57	0.15				SR12	7/23/2017 6:57	0.15			
SR4	7/23/2017 7:17	0.14				SR12	7/23/2017 7:17	0.18			
SR4	7/23/2017 7:37	0.13				SR12	7/23/2017 7:37	0.15			
SR4	7/23/2017 7:57	0.13				SR12	7/23/2017 7:57	0.15			
SR4	7/23/2017 8:17	0.15				SR12	7/23/2017 8:17	0.16			
SR4	7/23/2017 8:37	0.15				SR12	7/23/2017 8:37	0.15			
SR4	7/23/2017 8:57	0.16				SR12	7/23/2017 8:57	0.17			
SR4	7/23/2017 9:17	0.13				SR12	7/23/2017 9:17	0.15			
SR4	7/23/2017 9:37	0.16				SR12	7/23/2017 9:37	0.14			
SR4	7/23/2017 9:57	0.15				SR12	7/23/2017 9:57	0.17			
SR4	7/23/2017 10:17	0.16				SR12	7/23/2017 10:17	0.18			
SR4	7/23/2017 10:37	0.15				SR12	7/23/2017 10:37	0.14			
SR4	7/23/2017 10:57	0.14				SR12	7/23/2017 10:57	0.17			
SR4	7/23/2017 11:17	0.14				SR12	7/23/2017 11:17	0.15			
SR4	7/23/2017 11:37	0.15				SR12	7/23/2017 11:37	0.16			
SR4	7/23/2017 11:57	0.15				SR12	7/23/2017 11:57	0.14			
SR4	7/23/2017 12:17	0.16				SR12	7/23/2017 12:17	0.14			
SR4	7/23/2017 12:37	0.16				SR12	7/23/2017 12:37	0.15			
SR4	7/23/2017 12:57	0.16				SR12	7/23/2017 12:57	0.16			
SR4	7/23/2017 13:17	0.13				SR12	7/23/2017 13:17	0.16			
SR4	7/23/2017 13:37	0.15				SR12	7/23/2017 13:37	0.16			
SR4	7/23/2017 13:57	0.16				SR12	7/23/2017 13:57	0.14			
SR4	7/23/2017 14:17	0.13				SR12	7/23/2017 14:17	0.14			
SR4	7/23/2017 14:37	0.14				SR12	7/23/2017 14:37	0.17			
SR4	7/23/2017 14:57	0.15				SR12	7/23/2017 14:57	0.14			
SR4	7/23/2017 15:17	0.13				SR12	7/23/2017 15:17	0.14			
SR4	7/23/2017 15:37	0.14				SR12	7/23/2017 15:37	0.14			
SR4	7/23/2017 15:57	0.13				SR12	7/23/2017 15:57	0.16			
SR4	7/23/2017 16:17	0.13				SR12	7/23/2017 16:17	0.17			
SR4	7/23/2017 16:37	0.16				SR12	7/23/2017 16:37	0.17			
SR4	7/23/2017 16:57	0.13				SR12	7/23/2017 16:57	0.18			
SR4	7/23/2017 17:17	0.14				SR12	7/23/2017 17:17	0.17			
SR4	7/23/2017 17:37	0.13				SR12	7/23/2017 17:37	0.14			
SR4	7/23/2017 17:57	0.15				SR12	7/23/2017 17:57	0.15			
SR4	7/23/2017 18:17	0.15				SR12	7/23/2017 18:17	0.14			
SR4	7/23/2017 18:37	0.16				SR12	7/23/2017 18:37	0.14			
SR4	7/23/2017 18:57	0.13				SR12	7/23/2017 18:57	0.16			
SR4	7/23/2017 19:17	0.15				SR12	7/23/2017 19:17	0.15			
SR4	7/23/2017 19:37	0.16				SR12	7/23/2017 19:37	0.15			
SR4	7/23/2017 19:57	0.16				SR12	7/23/2017 19:57	0.14			
SR4	7/23/2017 20:17	0.13				SR12	7/23/2017 20:17	0.15			
SR4	7/23/2017 20:37	0.15				SR12	7/23/2017 20:37	0.14			
SR4	7/23/2017 20:57	0.14				SR12	7/23/2017 20:57	0.15			
SR4	7/23/2017 21:17	0.15				SR12	7/23/2017 21:17	0.15			
SR4	7/23/2017 21:37	0.16				SR12	7/23/2017 21:37	0.16			
SR4	7/23/2017 21:57	0.13				SR12	7/23/2017 21:57	0.16			
SR4	7/23/2017 22:17	0.16				SR12	7/23/2017 22:17	0.14			
SR4	7/23/2017 22:37	0.14				SR12	7/23/2017 22:37	0.18			
SR4	7/23/2017 22:57	0.14				SR12	7/23/2017 22:57	0.15			
SR4	7/23/2017 23:17	0.13				SR12	7/23/2017 23:17	0.15			
SR4	7/23/2017 23:37	0.16				SR12	7/23/2017 23:37	0.16			
SR4	7/23/2017 23:57	0.13				SR12	7/23/2017 23:57	0.17			

Remark: Fonts with underline: Action Level Exceedance

**Fonts in Bold with underline: Limit Level Exceedance**

Automatic Instrument calibration of NH<sub>3</sub>-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	7/24/2017 0:01	28.05	65.0	5.11	7.8	SR4	7/24/2017 6:01	27.96	66.7	5.25	9.8	SR4	7/24/2017 12:01	28.33	80.5	6.25	9.7	SR4	7/24/2017 18:01	28.56	64.1	4.96	8.7
SR4	7/24/2017 0:06	28.04	66.6	5.23	8.2	SR4	7/24/2017 6:06	27.98	65.6	5.15	7.8	SR4	7/24/2017 12:06	28.31	81.0	6.28	8.4	SR4	7/24/2017 18:06	28.56	64.3	4.98	8.6
SR4	7/24/2017 0:11	28.02	66.7	5.24	7.9	SR4	7/24/2017 6:11	27.99	67.0	5.26	9.8	SR4	7/24/2017 12:11	28.29	79.8	6.20	8.1	SR4	7/24/2017 18:11	28.51	63.6	4.92	9.6
SR4	7/24/2017 0:16	28.01	67.5	5.29	8.0	SR4	7/24/2017 6:16	27.99	66.2	5.20	9.9	SR4	7/24/2017 12:16	28.29	80.0	6.21	9.3	SR4	7/24/2017 18:16	28.49	63.6	4.93	8.2
SR4	7/24/2017 0:21	28.01	67.4	5.29	9.9	SR4	7/24/2017 6:21	27.99	66.5	5.22	8.4	SR4	7/24/2017 12:21	28.30	78.4	6.09	8.9	SR4	7/24/2017 18:21	28.50	63.2	4.89	9.0
SR4	7/24/2017 0:26	28.01	67.5	5.30	9.2	SR4	7/24/2017 6:26	27.99	67.4	5.29	8.4	SR4	7/24/2017 12:26	28.31	80.1	6.22	7.9	SR4	7/24/2017 18:26	28.50	62.6	4.85	9.4
SR4	7/24/2017 0:31	28.01	68.5	5.38	9.8	SR4	7/24/2017 6:31	27.98	67.7	5.32	8.3	SR4	7/24/2017 12:31	28.32	79.4	6.16	9.0	SR4	7/24/2017 18:31	28.49	63.4	4.92	7.9
SR4	7/24/2017 0:36	28.00	69.8	5.48	8.6	SR4	7/24/2017 6:36	27.98	67.2	5.28	9.9	SR4	7/24/2017 12:36	28.36	79.2	6.15	7.9	SR4	7/24/2017 18:36	28.54	64.5	4.99	9.0
SR4	7/24/2017 0:41	28.00	67.4	5.29	9.2	SR4	7/24/2017 6:41	27.98	67.0	5.24	9.2	SR4	7/24/2017 12:41	28.37	78.5	6.08	8.4	SR4	7/24/2017 18:41	28.57	64.4	4.99	9.4
SR4	7/24/2017 0:46	28.01	68.9	5.41	9.5	SR4	7/24/2017 6:46	27.97	67.5	5.28	9.1	SR4	7/24/2017 12:46	28.37	75.6	5.86	8.6	SR4	7/24/2017 18:46	28.59	62.5	4.85	9.5
SR4	7/24/2017 0:51	27.97	71.0	5.58	8.8	SR4	7/24/2017 6:51	27.97	67.1	5.26	9.7	SR4	7/24/2017 12:51	28.39	76.2	5.91	9.5	SR4	7/24/2017 18:51	28.59	61.8	4.80	9.7
SR4	7/24/2017 0:56	27.96	70.8	5.56	8.9	SR4	7/24/2017 6:56	27.96	67.0	5.26	8.5	SR4	7/24/2017 12:56	28.41	76.6	5.94	9.4	SR4	7/24/2017 18:56	28.57	60.0	4.66	9.2
SR4	7/24/2017 1:01	27.96	71.3	5.60	9.2	SR4	7/24/2017 7:01	27.96	70.6	5.52	9.1	SR4	7/24/2017 13:01	28.40	77.8	6.03	8.3	SR4	7/24/2017 19:01	28.56	59.4	4.62	8.6
SR4	7/24/2017 1:06	27.98	69.8	5.48	9.0	SR4	7/24/2017 7:06	27.97	68.9	5.40	9.5	SR4	7/24/2017 13:06	28.40	78.4	6.08	8.5	SR4	7/24/2017 19:06	28.56	59.3	4.61	8.6
SR4	7/24/2017 1:11	28.00	71.6	5.63	8.8	SR4	7/24/2017 7:11	27.97	67.1	5.26	8.1	SR4	7/24/2017 13:11	28.41	79.0	6.12	8.9	SR4	7/24/2017 19:11	28.53	60.1	4.67	9.1
SR4	7/24/2017 1:16	28.01	68.8	5.40	8.0	SR4	7/24/2017 7:16	27.97	69.2	5.42	7.8	SR4	7/24/2017 13:16	28.43	79.2	6.14	8.1	SR4	7/24/2017 19:16	28.52	60.8	4.72	9.8
SR4	7/24/2017 1:21	28.02	69.1	5.43	8.0	SR4	7/24/2017 7:21	27.97	67.3	5.27	9.8	SR4	7/24/2017 13:21	28.43	78.9	6.11	8.5	SR4	7/24/2017 19:21	28.52	60.3	4.68	8.7
SR4	7/24/2017 1:26	28.03	68.8	5.40	8.8	SR4	7/24/2017 7:26	27.97	66.8	5.23	8.5	SR4	7/24/2017 13:26	28.41	78.3	6.06	8.9	SR4	7/24/2017 19:26	28.52	60.3	4.69	8.5
SR4	7/24/2017 1:31	28.03	68.7	5.39	9.3	SR4	7/24/2017 7:31	27.98	67.5	5.29	9.8	SR4	7/24/2017 13:31	28.39	78.9	6.11	9.0	SR4	7/24/2017 19:31	28.52	60.5	4.70	9.1
SR4	7/24/2017 1:36	28.03	68.1	5.35	8.5	SR4	7/24/2017 7:36	27.99	70.6	5.53	8.8	SR4	7/24/2017 13:36	28.38	77.8	6.02	9.8	SR4	7/24/2017 19:36	28.51	59.4	4.62	8.3
SR4	7/24/2017 1:41	28.03	69.2	5.43	8.1	SR4	7/24/2017 7:41	28.00	68.8	5.39	8.9	SR4	7/24/2017 13:41	28.36	77.2	5.98	9.5	SR4	7/24/2017 19:41	28.51	60.5	4.70	9.1
SR4	7/24/2017 1:46	28.02	67.7	5.31	8.6	SR4	7/24/2017 7:46	28.02	68.7	5.38	9.4	SR4	7/24/2017 13:46	28.34	77.0	5.96	9.9	SR4	7/24/2017 19:46	28.51	59.8	4.65	9.2
SR4	7/24/2017 1:51	28.01	68.7	5.39	8.4	SR4	7/24/2017 7:51	28.03	70.7	5.54	8.8	SR4	7/24/2017 13:51	28.33	76.7	5.93	9.8	SR4	7/24/2017 19:51	28.50	59.2	4.60	9.2
SR4	7/24/2017 1:56	28.01	67.1	5.27	8.4	SR4	7/24/2017 7:56	28.05	70.4	5.52	9.4	SR4	7/24/2017 13:56	28.35	76.9	5.93	9.4	SR4	7/24/2017 19:56	28.49	59.9	4.66	9.6
SR4	7/24/2017 2:01	28.01	68.2	5.36	9.2	SR4	7/24/2017 8:01	28.06	67.4	5.29	7.8	SR4	7/24/2017 14:01	28.52	74.8	5.78	8.0	SR4	7/24/2017 20:01	28.49	57.2	4.45	9.2
SR4	7/24/2017 2:06	28.00	69.1	5.42	8.8	SR4	7/24/2017 8:06	28.07	68.2	5.34	8.0	SR4	7/24/2017 14:06	28.48	77.8	6.02	8.5	SR4	7/24/2017 20:06	28.48	56.9	4.42	7.9
SR4	7/24/2017 2:11	27.99	68.4	5.37	9.9	SR4	7/24/2017 8:11	28.08	69.0	5.38	9.0	SR4	7/24/2017 14:11	28.43	80.4	6.22	9.1	SR4	7/24/2017 20:11	28.48	57.6	4.48	8.7
SR4	7/24/2017 2:16	27.98	68.8	5.40	8.9	SR4	7/24/2017 8:16	28.08	69.5	5.42	9.8	SR4	7/24/2017 14:16	28.42	81.6	6.31	7.9	SR4	7/24/2017 20:16	28.49	58.6	4.55	9.2
SR4	7/24/2017 2:21	27.97	68.0	5.34	8.4	SR4	7/24/2017 8:21	28.10	71.0	5.53	8.1	SR4	7/24/2017 14:21	28.41	81.1	6.28	8.1	SR4	7/24/2017 20:21	28.49	57.6	4.48	8.3
SR4	7/24/2017 2:26	27.95	68.8	5.40	8.0	SR4	7/24/2017 8:26	28.11	71.5	5.58	8.0	SR4	7/24/2017 14:26	28.36	81.8	6.32	9.9	SR4	7/24/2017 20:26	28.49	58.1	4.51	7.8
SR4	7/24/2017 2:31	27.95	68.4	5.36	8.7	SR4	7/24/2017 8:31	28.12	71.0	5.55	8.4	SR4	7/24/2017 14:31	28.34	76.5	5.91	8.6	SR4	7/24/2017 20:31	28.49	59.0	4.59	8.3
SR4	7/24/2017 2:36	27.95	68.5	5.38	8.9	SR4	7/24/2017 8:36	28.12	69.8	5.46	9.7	SR4	7/24/2017 14:36	28.53	73.0	5.65	8.4	SR4	7/24/2017 20:36	28.49	59.0	4.58	9.1
SR4	7/24/2017 2:41	27.95	66.9	5.24	8.8	SR4	7/24/2017 8:41	28.13	69.9	5.46	8.7	SR4	7/24/2017 14:41	28.65	71.4	5.54	8.3	SR4	7/24/2017 20:41	28.49	59.3	4.61	9.2
SR4	7/24/2017 2:46	27.95	67.2	5.27	9.7	SR4	7/24/2017 8:46	28.13	71.4	5.57	9.6	SR4	7/24/2017 14:46	28.66	71.8	5.58	9.4	SR4	7/24/2017 20:46	28.49	59.7	4.64	8.0
SR4	7/24/2017 2:51	27.96	67.8	5.32	9.1	SR4	7/24/2017 8:51	28.11	73.5	5.73	8.2	SR4	7/24/2017 14:51	28.57	72.2	5.61	8.7	SR4	7/24/2017 20:51	28.48	59.2	4.60	9.2
SR4	7/24/2017 2:56	27.96	68.1	5.34	8.3	SR4	7/24/2017 8:56	28.09	74.6	5.81	8.7	SR4	7/24/2017 14:56	28.64	72.3	5.61	9.2	SR4	7/24/2017 20:56	28.48	60.0	4.65	9.8
SR4	7/24/2017 3:01	27.96	68.6	5.38	9.5	SR4	7/24/2017 9:01	28.08	74.6	5.81	8.0	SR4	7/24/2017 15:01	28.73	72.4	5.61	7.8	SR4	7/24/2017 21:01	28.47	60.4	4.68	7.9
SR4	7/24/2017 3:06	27.97	68.5	5.37	8.5	SR4	7/24/2017 9:06	28.09	74.3	5.79	8.1	SR4	7/24/2017 15:06	28.78	72.2	5.60	9.0	SR4	7/24/2017 21:06	28.46	61.6	4.77	9.4
SR4	7/24/2017 3:11	27.99	67.3	5.28	9.4	SR4	7/24/2017 9:11	28.09	72.9	5.68	8.3	SR4	7/24/2017 15:11	28.77	72.3	5.61	9.2	SR4	7/24/2017 21:11	28.45	62.3	4.82	7.8
SR4	7/24/2017 3:16	28.01	67.6	5.30	9.2	SR4	7/24/2017 9:16	28.09	72.8	5.67	9.4	SR4	7/24/2017 15:16	28.84	74.4	5.75	9.4	SR4	7/24/2017 21:16	28.44	62.7	4.85	8.6
SR4	7/24/2017 3:21	28.01	66.8	5.24	9.0	SR4	7/24/2017 9:21	28.09	73.1	5.70	9.4	SR4	7/24/2017 15:21	28.91	73.6	5.70	9.1	SR4	7/24/2017 21:21	28.42	65.0	5.03	8.5
SR4	7/24/2017 3:26	28.03	67.8	5.32	9.4	SR4	7/24/2017 9:26	28.11	75.3	5.86	8.8	SR4	7/24/2017 15:26	28.92	73.6	5.70	7.9	SR4	7/24/2017 21:26	28.40	65.0	5.03	9.8
SR4	7/24/2017 3:31	28.06	67.9	5.33	8.4	SR4	7/24/2017 9:31	28.12	75.9	5.90	9.6	SR4	7/24/2017 15:31	28.91	72.9	5.64	8.0	SR4	7/24/2017 21:31	28.38	65.5	5.06	9.2
SR4	7/24/2017 3:36	28.10	67.9	5.32	8.8	SR4	7/24/2017 9:36	28.14	74.1	5.77	9.9	SR4	7/24/2017 15:36	28.91	72.8	5.64	9.7	SR4	7/24/2017 21:36	28.36	68.3	5.28	9.6
SR4	7/24/2017 3:41	28.10	66.6	5.22	8.6	SR4	7/24/2017 9:41	28.16	75.3	5.86	9.3	SR4	7/24/2017 15:41	28.93	72.2	5.60	8.8	SR4	7/24/2017 21:41	28.36	69.0	5.33	9.2
SR4	7/24/2017 3:46	28.10	67.1	5.26	8.2	SR4	7/24/2017 9:46	28.17	75.5	5.87	9.8	SR4	7/24/2017 15:46	29.22	72.4	5.60	9.0	SR4	7/24/2017 21:46	28.35	69.1	5.34	8.5
SR4	7/24/2017 3:51	28.09	67.4	5.29	8.8	SR4	7/24/2017 9:51	28.19	77.4	6.01	8.7	SR4	7/24/2017 15:51	29.11	72.7	5.63	8.6	SR4	7/24/2017 21:51	28.34	68.4	5.29	8.5
SR4	7/24/2017 3:56	28.08	65.6	5.14	9.1	SR4	7/24/2017 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	7/24/2017 0:00	28.15	69.2	5.28	6.1	SR5	7/24/2017 6:00	28.09	68.6	5.24	8.5	SR5	7/24/2017 12:00	28.36	76.3	5.69	6.8	SR5	7/24/2017 18:00	28.83	70.1	5.37	6.7
SR5	7/24/2017 0:05	28.12	68.9	5.26	6.1	SR5	7/24/2017 6:05	28.08	68.4	5.22	6.4	SR5	7/24/2017 12:05	28.34	77.6	5.79	6.0	SR5	7/24/2017 18:05	28.82	70.2	5.38	6.8
SR5	7/24/2017 0:10	28.20	70.5	5.38	5.8	SR5	7/24/2017 6:10	28.15	70.1	5.35	7.2	SR5	7/24/2017 12:10	28.34	75.6	5.63	5.9	SR5	7/24/2017 18:10	28.81	70.1	5.37	6.8
SR5	7/24/2017 0:15	28.22	70.0	5.34	6.0	SR5	7/24/2017 6:15	28.18	69.3	5.29	7.5	SR5	7/24/2017 12:15	28.33	76.9	5.73	6.6	SR5	7/24/2017 18:15	28.81	70.0	5.35	6.2
SR5	7/24/2017 0:20	28.20	69.4	5.30	6.9	SR5	7/24/2017 6:20	28.04	69.2	5.28	6.5	SR5	7/24/2017 12:20	28.29	76.4	5.69	6.4	SR5	7/24/2017 18:20	28.85	70.1	5.37	6.8
SR5	7/24/2017 0:25	28.13	69.7	5.32	6.5	SR5	7/24/2017 6:25	28.06	70.5	5.38	6.9	SR5	7/24/2017 12:25	28.37	76.4	5.71	6.2	SR5	7/24/2017 18:25	28.88	69.6	5.32	7.1
SR5	7/24/2017 0:30	28.01	68.8	5.25	6.9	SR5	7/24/2017 6:30	28.17	68.6	5.24	6.4	SR5	7/24/2017 12:30	28.51	76.8	5.72	6.5	SR5	7/24/2017 18:30	28.91	69.9	5.37	6.2
SR5	7/24/2017 0:35	28.21	69.6	5.31	6.2	SR5	7/24/2017 6:35	28.17	70.2	5.36	7.5	SR5	7/24/2017 12:35	28.34	76.4	5.69	5.9	SR5	7/24/2017 18:35	28.90	69.8	5.36	6.6
SR5	7/24/2017 0:40	28.20	70.0	5.34	6.5	SR5	7/24/2017 6:40	27.99	69.0	5.27	6.9	SR5	7/24/2017 12:40	28.52	76.1	5.67	6.2	SR5	7/24/2017 18:40	28.87	70.3	5.38	7.1
SR5	7/24/2017 0:45	28.00	69.6	5.21	6.7	SR5	7/24/2017 6:45	28.10	69.8	5.33	6.9	SR5	7/24/2017 12:45	28.45	74.8	5.57	6.3	SR5	7/24/2017 18:45	28.90	69.6	5.34	6.9
SR5	7/24/2017 0:50	28.03	69.6	5.22	6.3	SR5	7/24/2017 6:50	27.97	67.3	5.12	7.7	SR5	7/24/2017 12:50	28.46	74.7	5.56	7.2	SR5	7/24/2017 18:50	28.91	69.6	5.33	7.0
SR5	7/24/2017 0:55	27.99	68.4	5.22	6.4	SR5	7/24/2017 6:55	28.17	67.3	5.13	6.6	SR5	7/24/2017 12:55	28.47	75.0	5.58	6.6	SR5	7/24/2017 18:55	28.91	69.0	5.30	6.7
SR5	7/24/2017 1:00	28.03	69.7	5.24	6.6	SR5	7/24/2017 7:00	28.16	70.5	5.37	7.4	SR5	7/24/2017 13:00	28.42	75.5	5.62	6.1	SR5	7/24/2017 19:00	28.94	67.9	5.21	6.7
SR5	7/24/2017 1:05	28.13	68.4	5.15	6.4	SR5	7/24/2017 7:05	28.15	69.4	5.30	7.3	SR5	7/24/2017 13:05	28.53	76.5	5.70	6.5	SR5	7/24/2017 19:05	28.93	67.6	5.20	6.5
SR5	7/24/2017 1:10	28.11	70.7	5.33	6.4	SR5	7/24/2017 7:10	28.12	67.7	5.15	7.1	SR5	7/24/2017 13:10	28.47	76.4	5.69	6.5	SR5	7/24/2017 19:10	28.96	68.4	5.27	8.4
SR5	7/24/2017 1:15	28.19	70.0	5.27	5.8	SR5	7/24/2017 7:15	28.01	69.8	5.33	6.9	SR5	7/24/2017 13:15	28.56	75.9	5.65	6.7	SR5	7/24/2017 19:15	28.94	68.6	5.29	10.3
SR5	7/24/2017 1:20	28.21	68.0	5.13	5.9	SR5	7/24/2017 7:20	28.13	69.8	5.33	7.3	SR5	7/24/2017 13:20	28.57	75.2	5.60	6.4	SR5	7/24/2017 19:20	28.94	68.3	5.25	6.5
SR5	7/24/2017 1:25	28.22	69.6	5.24	6.3	SR5	7/24/2017 7:25	28.16	68.4	5.22	6.8	SR5	7/24/2017 13:25	28.46	74.4	5.54	6.9	SR5	7/24/2017 19:25	28.96	68.2	5.25	6.5
SR5	7/24/2017 1:30	28.14	68.9	5.26	6.9	SR5	7/24/2017 7:30	28.04	68.8	5.25	7.2	SR5	7/24/2017 13:30	28.53	75.5	5.62	6.8	SR5	7/24/2017 19:30	28.95	68.0	5.25	6.7
SR5	7/24/2017 1:35	28.08	68.5	5.23	6.4	SR5	7/24/2017 7:35	28.03	68.4	5.22	6.9	SR5	7/24/2017 13:35	28.59	74.3	5.53	7.3	SR5	7/24/2017 19:35	28.96	67.9	5.23	6.7
SR5	7/24/2017 1:40	28.07	70.1	5.35	6.2	SR5	7/24/2017 7:40	28.00	69.6	5.31	7.0	SR5	7/24/2017 13:40	28.51	74.6	5.55	7.0	SR5	7/24/2017 19:40	28.98	68.0	5.25	7.0
SR5	7/24/2017 1:45	28.16	70.6	5.39	6.6	SR5	7/24/2017 7:45	28.04	69.7	5.32	7.4	SR5	7/24/2017 13:45	28.36	73.8	5.49	7.1	SR5	7/24/2017 19:45	29.00	67.8	5.24	7.2
SR5	7/24/2017 1:50	28.04	70.2	5.36	6.3	SR5	7/24/2017 7:50	28.16	70.0	5.34	7.1	SR5	7/24/2017 13:50	28.50	74.4	5.53	7.6	SR5	7/24/2017 19:50	29.02	67.6	5.22	7.2
SR5	7/24/2017 1:55	28.08	68.4	5.22	6.4	SR5	7/24/2017 7:55	28.13	69.8	5.33	7.4	SR5	7/24/2017 13:55	28.49	73.5	5.46	7.2	SR5	7/24/2017 19:55	29.00	67.7	5.22	7.4
SR5	7/24/2017 2:00	28.03	68.6	5.24	6.9	SR5	7/24/2017 8:00	28.17	69.0	5.27	6.5	SR5	7/24/2017 14:00	28.48	74.0	5.50	6.2	SR5	7/24/2017 20:00	29.03	70.5	5.38	7.1
SR5	7/24/2017 2:05	28.18	69.0	5.27	6.7	SR5	7/24/2017 8:05	28.24	69.0	5.27	6.3	SR5	7/24/2017 14:05	28.60	73.3	5.45	6.2	SR5	7/24/2017 20:05	29.05	69.4	5.30	6.4
SR5	7/24/2017 2:10	28.12	68.5	5.23	7.8	SR5	7/24/2017 8:10	28.09	70.0	5.34	7.0	SR5	7/24/2017 14:10	28.48	75.3	5.60	6.7	SR5	7/24/2017 20:10	29.05	70.6	5.39	6.6
SR5	7/24/2017 2:15	28.16	68.6	5.23	6.8	SR5	7/24/2017 8:15	28.21	68.8	5.25	7.2	SR5	7/24/2017 14:15	28.54	75.6	5.62	6.1	SR5	7/24/2017 20:15	29.02	69.6	5.31	7.5
SR5	7/24/2017 2:20	28.06	68.5	5.16	6.5	SR5	7/24/2017 8:20	28.20	68.9	5.26	6.6	SR5	7/24/2017 14:20	28.45	75.3	5.60	6.1	SR5	7/24/2017 20:20	29.06	68.6	5.24	6.5
SR5	7/24/2017 2:25	28.12	69.7	5.32	6.4	SR5	7/24/2017 8:25	28.18	69.0	5.26	6.6	SR5	7/24/2017 14:25	28.49	76.1	5.66	7.0	SR5	7/24/2017 20:25	29.04	68.9	5.26	6.1
SR5	7/24/2017 2:30	28.07	70.6	5.39	7.2	SR5	7/24/2017 8:30	28.25	69.0	5.29	6.9	SR5	7/24/2017 14:30	28.38	74.1	5.50	7.0	SR5	7/24/2017 20:30	29.07	69.0	5.27	6.5
SR5	7/24/2017 2:35	28.09	68.4	5.22	7.1	SR5	7/24/2017 8:35	28.13	68.3	5.22	7.4	SR5	7/24/2017 14:35	28.40	72.1	5.41	7.3	SR5	7/24/2017 20:35	29.06	67.4	5.22	6.6
SR5	7/24/2017 2:40	28.04	68.8	5.25	6.8	SR5	7/24/2017 8:40	28.15	68.7	5.24	6.6	SR5	7/24/2017 14:40	28.58	71.2	5.37	7.0	SR5	7/24/2017 20:40	29.07	67.2	5.22	6.7
SR5	7/24/2017 2:45	27.95	70.6	5.39	7.0	SR5	7/24/2017 8:45	28.19	69.4	5.30	7.0	SR5	7/24/2017 14:45	28.85	72.1	5.36	7.3	SR5	7/24/2017 20:45	29.06	67.4	5.23	6.2
SR5	7/24/2017 2:50	28.05	68.6	5.24	7.1	SR5	7/24/2017 8:50	28.21	70.0	5.36	6.3	SR5	7/24/2017 14:50	28.68	72.1	5.36	7.4	SR5	7/24/2017 20:50	29.11	67.2	5.20	6.8
SR5	7/24/2017 2:55	28.12	69.2	5.28	6.4	SR5	7/24/2017 8:55	28.14	69.9	5.35	6.1	SR5	7/24/2017 14:55	28.66	72.5	5.49	6.5	SR5	7/24/2017 20:55	29.11	68.1	5.27	7.4
SR5	7/24/2017 3:00	28.00	68.5	5.23	7.4	SR5	7/24/2017 9:00	28.24	69.9	5.35	5.8	SR5	7/24/2017 15:00	28.76	72.4	5.48	5.8	SR5	7/24/2017 21:00	29.12	68.0	5.26	6.3
SR5	7/24/2017 3:05	28.06	70.6	5.39	6.6	SR5	7/24/2017 9:05	28.10	70.2	5.38	5.7	SR5	7/24/2017 15:05	28.88	73.3	5.54	6.4	SR5	7/24/2017 21:05	29.14	68.0	5.28	7.1
SR5	7/24/2017 3:10	28.08	68.4	5.22	7.2	SR5	7/24/2017 9:10	28.20	69.3	5.31	5.9	SR5	7/24/2017 15:10	28.85	74.6	5.65	6.9	SR5	7/24/2017 21:10	29.13	68.2	5.28	6.3
SR5	7/24/2017 3:15	28.15	68.4	5.22	7.4	SR5	7/24/2017 9:15	28.29	69.4	5.32	6.3	SR5	7/24/2017 15:15	28.84	74.2	5.61	7.0	SR5	7/24/2017 21:15	29.12	69.2	5.35	6.7
SR5	7/24/2017 3:20	28.02	70.5	5.38	6.9	SR5	7/24/2017 9:20	28.29	71.1	5.33	6.3	SR5	7/24/2017 15:20	28.88	74.4	5.63	6.5	SR5	7/24/2017 21:20	29.14	70.1	5.44	6.5
SR5	7/24/2017 3:25	28.14	68.6	5.24	7.2	SR5	7/24/2017 9:25	28.27	70.2	5.25	6.0	SR5	7/24/2017 15:25	29.04	73.5	5.53	6.1	SR5	7/24/2017 21:25	29.17	70.0	5.42	7.0
SR5	7/24/2017 3:30	28.22	69.7	5.32	6.9	SR5	7/24/2017 9:30	28.19	71.8	5.37	6.4	SR5	7/24/2017 15:30	29.10	73.3	5.53	6.2	SR5	7/24/2017 21:30	29.13	69.9	5.42	7.2
SR5	7/24/2017 3:35	28.11	70.2	5.36	7.0	SR5	7/24/2017 9:35	28.28	68.9	5.16	6.6	SR5	7/24/2017 15:35	29.05	73.2	5.54	7.3	SR5	7/24/2017 21:35	29.19	70.8	5.49	8.0
SR5	7/24/2017 3:40	28.29	68.6	5.24	7.5	SR5	7/24/2017 9:40	28.34	70.3	5.26	6.3	SR5	7/24/2017 15:40	28.96	73.3	5.55	6.8	SR5	7/24/2017 21:40	29.18	71.3	5.52	6.8
SR5	7/24/2017 3:45	28.24	68.8	5.25	6.7	SR5	7/24/2017 9:45	28.38	69.9	5.23	6.6	SR5	7/24/2017 15:45	29.04	73.2	5.54	6.9	SR5	7/24/2017 21:45	29.18	71.1	5.50	6.6
SR5	7/24/2017 3:50	28.16	70.3	5.37	7.0	SR5	7/24/2017 9:50	28.32	70.7	5.29	5.9	SR5	7/24/2017 15:50	29.40	73.7	5.57	6.8	SR5	7/24/2017 21:50	29.17	70.8	5.48	6.5
SR5	7/24/2017 3:55	28.12	70.2	5.36	8.0	SR5	7/24/2017 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	7/24/2017 0:01	28.12	67.0	5.07	5.5	SR12	7/24/2017 6:01	27.99	67.6	5.14	6.5	SR12	7/24/2017 12:01	28.49	79.7	6.00	7.7	SR12	7/24/2017 18:01	28.63	68.1	5.11	7.0
SR12	7/24/2017 0:06	28.16	69.2	5.23	5.5	SR12	7/24/2017 6:06	28.09	67.8	5.14	5.9	SR12	7/24/2017 12:06	28.47	80.2	6.03	7.3	SR12	7/24/2017 18:06	28.61	68.2	5.13	6.7
SR12	7/24/2017 0:11	28.08	68.8	5.21	5.6	SR12	7/24/2017 6:11	28.18	67.6	5.14	6.7	SR12	7/24/2017 12:11	28.48	78.9	5.94	7.0	SR12	7/24/2017 18:11	28.60	67.7	5.09	7.3
SR12	7/24/2017 0:16	28.02	68.5	5.18	5.7	SR12	7/24/2017 6:16	28.01	67.4	5.11	7.2	SR12	7/24/2017 12:16	28.34	79.0	5.94	8.2	SR12	7/24/2017 18:16	28.60	67.7	5.10	6.8
SR12	7/24/2017 0:21	28.20	69.5	5.25	6.7	SR12	7/24/2017 6:21	28.00	67.7	5.14	6.7	SR12	7/24/2017 12:21	28.35	77.8	5.86	9.2	SR12	7/24/2017 18:21	28.63	67.6	5.09	7.7
SR12	7/24/2017 0:26	28.19	69.7	5.28	6.2	SR12	7/24/2017 6:26	28.11	68.5	5.20	6.5	SR12	7/24/2017 12:26	28.39	79.6	5.99	12.1	SR12	7/24/2017 18:26	28.62	67.0	5.05	7.4
SR12	7/24/2017 0:31	28.13	69.8	5.28	6.7	SR12	7/24/2017 6:31	28.17	68.9	5.24	6.4	SR12	7/24/2017 12:31	28.38	78.5	5.91	11.3	SR12	7/24/2017 18:31	28.64	67.4	5.08	6.7
SR12	7/24/2017 0:36	28.20	70.8	5.36	6.1	SR12	7/24/2017 6:36	28.08	67.8	5.15	7.0	SR12	7/24/2017 12:36	28.44	78.8	5.93	10.4	SR12	7/24/2017 18:36	28.63	68.0	5.13	6.8
SR12	7/24/2017 0:41	28.02	68.6	5.19	6.3	SR12	7/24/2017 6:41	28.11	68.1	5.16	6.7	SR12	7/24/2017 12:41	28.43	77.9	5.85	10.4	SR12	7/24/2017 18:41	28.61	68.0	5.13	7.5
SR12	7/24/2017 0:46	28.14	70.8	5.36	6.3	SR12	7/24/2017 6:46	28.17	68.6	5.20	6.7	SR12	7/24/2017 12:46	28.48	77.1	5.79	8.7	SR12	7/24/2017 18:46	28.63	66.7	5.03	7.3
SR12	7/24/2017 0:51	28.20	71.1	5.39	6.0	SR12	7/24/2017 6:51	28.02	69.1	5.24	7.2	SR12	7/24/2017 12:51	28.51	76.7	5.76	9.2	SR12	7/24/2017 18:51	28.63	66.3	5.01	7.5
SR12	7/24/2017 0:56	28.14	71.2	5.40	6.0	SR12	7/24/2017 6:56	28.08	68.3	5.18	6.4	SR12	7/24/2017 12:56	28.50	77.5	5.82	9.5	SR12	7/24/2017 18:56	28.63	65.1	4.91	7.0
SR12	7/24/2017 1:01	28.07	72.0	5.46	6.3	SR12	7/24/2017 7:01	28.14	72.2	5.48	6.8	SR12	7/24/2017 13:01	28.60	76.9	5.78	8.6	SR12	7/24/2017 19:01	28.59	64.4	4.87	6.7
SR12	7/24/2017 1:06	28.01	70.9	5.38	5.9	SR12	7/24/2017 7:06	28.03	69.9	5.31	7.2	SR12	7/24/2017 13:06	28.58	78.1	5.87	8.8	SR12	7/24/2017 19:06	28.57	64.1	4.85	6.9
SR12	7/24/2017 1:11	28.14	72.1	5.47	5.6	SR12	7/24/2017 7:11	28.11	68.8	5.22	6.5	SR12					SR12	7/24/2017 19:11	28.61	64.9	4.91	7.2	
SR12	7/24/2017 1:16	28.07	71.0	5.38	5.3	SR12	7/24/2017 7:16	28.01	70.2	5.33	6.0	SR12					SR12	7/24/2017 19:16	28.59	65.3	4.94	7.5	
SR12	7/24/2017 1:21	28.06	69.8	5.29	5.5	SR12	7/24/2017 7:21	27.99	68.4	5.19	7.0	SR12					SR12	7/24/2017 19:21	28.59	64.9	4.91	6.8	
SR12	7/24/2017 1:26	28.18	70.6	5.35	5.9	SR12	7/24/2017 7:26	27.99	68.0	5.15	6.3	SR12					SR12	7/24/2017 19:26	28.59	64.7	4.90	6.4	
SR12	7/24/2017 1:31	28.10	69.9	5.29	6.1	SR12	7/24/2017 7:31	27.99	68.4	5.19	6.9	SR12					SR12	7/24/2017 19:31	28.56	64.8	4.91	7.2	
SR12	7/24/2017 1:36	28.06	69.6	5.28	5.9	SR12	7/24/2017 7:36	28.17	70.3	5.34	6.4	SR12					SR12	7/24/2017 19:36	28.58	64.1	4.86	6.6	
SR12	7/24/2017 1:41	28.15	70.1	5.32	5.7	SR12	7/24/2017 7:41	28.06	68.8	5.23	6.4	SR12					SR12	7/24/2017 19:41	28.60	64.6	4.90	7.1	
SR12	7/24/2017 1:46	28.18	69.7	5.28	6.1	SR12	7/24/2017 7:46	28.18	69.0	5.24	6.8	SR12					SR12	7/24/2017 19:46	28.59	64.3	4.88	7.0	
SR12	7/24/2017 1:51	28.09	70.0	5.30	6.0	SR12	7/24/2017 7:51	28.07	70.1	5.33	6.9	SR12					SR12	7/24/2017 19:51	28.61	63.8	4.84	6.9	
SR12	7/24/2017 1:56	28.13	69.3	5.25	6.0	SR12	7/24/2017 7:56	28.12	70.9	5.38	6.8	SR12					SR12	7/24/2017 19:56	28.61	64.2	4.88	7.3	
SR12	7/24/2017 2:01	28.08	68.9	5.23	6.2	SR12	7/24/2017 8:01	28.13	69.6	5.28	6.1	SR12					SR12	7/24/2017 20:01	28.63	62.6	4.75	7.0	
SR12	7/24/2017 2:06	28.09	69.5	5.27	6.1	SR12	7/24/2017 8:06	28.25	69.8	5.29	6.4	SR12					SR12	7/24/2017 20:06	28.62	62.3	4.74	6.3	
SR12	7/24/2017 2:11	28.08	69.1	5.24	6.6	SR12	7/24/2017 8:11	28.11	69.6	5.26	6.9	SR12					SR12	7/24/2017 20:11	28.64	62.8	4.77	6.4	
SR12	7/24/2017 2:16	28.10	69.9	5.30	6.0	SR12	7/24/2017 8:16	28.13	70.3	5.31	7.1	SR12					SR12	7/24/2017 20:16	28.62	63.2	4.81	6.7	
SR12	7/24/2017 2:21	28.13	69.0	5.23	5.8	SR12	7/24/2017 8:21	28.12	71.1	5.37	6.2	SR12	7/24/2017 14:21	28.45	79.6	5.98	7.6	SR12	7/24/2017 20:21	28.65	62.4	4.75	6.5
SR12	7/24/2017 2:26	28.01	69.1	5.24	5.5	SR12	7/24/2017 8:26	28.28	72.0	5.45	6.1	SR12	7/24/2017 14:26	28.46	80.0	6.00	8.9	SR12	7/24/2017 20:26	28.64	62.7	4.77	6.6
SR12	7/24/2017 2:31	28.12	70.2	5.32	6.0	SR12	7/24/2017 8:31	28.15	70.5	5.35	6.3	SR12	7/24/2017 14:31	28.44	76.8	5.75	8.0	SR12	7/24/2017 20:31	28.65	63.3	4.83	6.4
SR12	7/24/2017 2:36	28.11	69.2	5.25	5.9	SR12	7/24/2017 8:36	28.23	69.9	5.30	6.7	SR12	7/24/2017 14:36	28.44	73.9	5.54	8.0	SR12	7/24/2017 20:36	28.67	63.4	4.82	6.6
SR12	7/24/2017 2:41	28.10	68.8	5.21	5.8	SR12	7/24/2017 8:41	28.28	70.1	5.31	6.4	SR12	7/24/2017 14:41	28.55	72.4	5.44	7.7	SR12	7/24/2017 20:41	28.67	63.6	4.84	6.6
SR12	7/24/2017 2:46	28.01	69.3	5.25	6.3	SR12	7/24/2017 8:46	28.23	71.3	5.40	6.8	SR12	7/24/2017 14:46	28.82	73.7	5.53	8.5	SR12	7/24/2017 20:46	28.65	63.8	4.87	5.9
SR12	7/24/2017 2:51	27.96	69.2	5.25	6.0	SR12	7/24/2017 8:51	28.23	73.1	5.54	6.4	SR12	7/24/2017 14:51	28.69	73.0	5.48	7.9	SR12	7/24/2017 20:51	28.68	63.5	4.84	6.5
SR12	7/24/2017 2:56	28.07	68.8	5.22	5.5	SR12	7/24/2017 8:56	28.26	73.6	5.57	6.3	SR12	7/24/2017 14:56	28.57	74.1	5.56	7.9	SR12	7/24/2017 20:56	28.72	64.2	4.89	6.8
SR12	7/24/2017 3:01	28.07	68.7	5.21	6.1	SR12	7/24/2017 9:01	28.17	73.7	5.58	6.2	SR12	7/24/2017 15:01	28.69	73.3	5.50	7.4	SR12	7/24/2017 21:01	28.72	64.3	4.91	5.6
SR12	7/24/2017 3:06	28.03	69.6	5.28	5.9	SR12	7/24/2017 9:06	28.10	73.5	5.57	6.3	SR12	7/24/2017 15:06	28.92	73.3	5.50	8.2	SR12	7/24/2017 21:06	28.72	65.0	4.96	6.5
SR12	7/24/2017 3:11	28.04	68.5	5.20	6.4	SR12	7/24/2017 9:11	28.21	72.1	5.46	6.2	SR12	7/24/2017 15:11	28.86	74.0	5.56	7.9	SR12	7/24/2017 21:11	28.71	65.3	4.98	5.8
SR12	7/24/2017 3:16	28.07	68.2	5.17	6.0	SR12	7/24/2017 9:16	28.24	72.1	5.46	6.6	SR12	7/24/2017 15:16	28.94	74.7	5.60	8.1	SR12	7/24/2017 21:16	28.75	66.0	5.03	5.9
SR12	7/24/2017 3:21	28.08	68.2	5.17	5.9	SR12	7/24/2017 9:21	28.26	73.2	5.53	6.6	SR12	7/24/2017 15:21	28.85	73.9	5.55	7.9	SR12	7/24/2017 21:21	28.79	67.5	5.15	5.8
SR12	7/24/2017 3:26	28.19	68.9	5.23	6.2	SR12	7/24/2017 9:26	28.26	73.6	5.56	6.3	SR12	7/24/2017 15:26	29.00	74.3	5.57	7.2	SR12	7/24/2017 21:26	28.80	67.5	5.14	6.5
SR12	7/24/2017 3:31	28.07	69.0	5.23	5.5	SR12	7/24/2017 9:31	28.15	74.8	5.65	6.6	SR12	7/24/2017 15:31	29.01	74.2	5.56	6.9	SR12	7/24/2017 21:31	28.78	67.7	5.16	6.6
SR12	7/24/2017 3:36	28.09	69.1	5.23	5.8	SR12	7/24/2017 9:36	28.16	72.6	5.49	7.3	SR12	7/24/2017 15:36	29.07	74.5	5.58	7.6	SR12	7/24/2017 21:36	28.80	69.5	5.30	6.7
SR12	7/24/2017 3:41	28.29	67.7	5.13	5.7	SR12	7/24/2017 9:41	28.31	73.6	5.56	6.5	SR12	7/24/2017 15:41	28.91	74.0	5.54	7.3	SR12	7/24/2017 21:41	28.79	70.0	5.34	6.2
SR12	7/24/2017 3:46	28.18	67.8	5.14	5.6	SR12	7/24/2017 9:46	28.24	73.7	5.56	6.8	SR12	7/24/2017 15:46	29.05	74.3	5.56	7.5	SR12	7/24/2017 21:46	28.79	70.1	5.34	6.2
SR12	7/24/2017 3:51	28.14	68.4	5.19	5.9	SR12	7/24/2017 9:51	28.22	74.6	5.63	6.3	SR12	7/24/2017 15:51	29.36	75.4	5.64	7.6	SR12	7/24/2017 21:51	28.78	69.5	5.31	6.1
SR12	7/24/2017 3:56	28.25	67.1	5.08	6.0	SR12	7/24/2017 9:56	28.24	74.4	5.63	5.9	SR12	7/24/2017 15:56	29.19	74.3	5.56	7.3	SR12	7/24/2017 21:56	28.79	68.5	5.23	6.6
SR12	7/24/2017 4:01	28.24	68.3	5.17	5.6	SR12	7/24/2017 10:01	28.41	74.2	5.61	6.5	SR12	7/24/2017 16:01	29.03	71.6	5.37	6.9	SR12	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	7/24/2017 0:00	28.12	66.5	5.15	9.1	SR13	7/24/2017 6:00	28.03	66.5	5.16	7.8	SR13	7/24/2017 12:00	28.16	79.4	6.09	8.2	SR13	7/24/2017 18:00	28.37	65.4	5.00	7.1
SR13	7/24/2017 0:05	28.22	66.7	5.15	7.8	SR13	7/24/2017 6:05	28.15	66.3	5.14	8.0	SR13	7/24/2017 12:05	28.17	80.0	6.14	7.4	SR13	7/24/2017 18:05	28.30	65.4	5.01	7.3
SR13	7/24/2017 0:10	28.21	66.6	5.15	7.7	SR13	7/24/2017 6:10	28.28	66.3	5.14	8.3	SR13	7/24/2017 12:10	28.17	78.8	6.05	7.8	SR13	7/24/2017 18:10	28.24	65.3	5.00	7.7
SR13	7/24/2017 0:15	28.04	66.2	5.11	8.3	SR13	7/24/2017 6:15	28.18	65.7	5.09	8.1	SR13	7/24/2017 12:15	28.21	79.4	6.09	7.3	SR13	7/24/2017 18:15	28.24	65.1	4.99	8.0
SR13	7/24/2017 0:20	28.20	67.4	5.21	7.9	SR13	7/24/2017 6:20	28.01	66.6	5.16	8.2	SR13	7/24/2017 12:20	28.29	78.5	6.03	8.0	SR13	7/24/2017 18:20	28.27	65.4	5.01	7.4
SR13	7/24/2017 0:25	28.35	67.7	5.24	7.8	SR13	7/24/2017 6:25	28.30	65.9	5.11	7.4	SR13	7/24/2017 12:25	28.32	79.9	6.13	8.2	SR13	7/24/2017 18:25	28.25	64.5	4.94	7.5
SR13	7/24/2017 0:30	28.27	68.0	5.26	7.9	SR13	7/24/2017 6:30	28.31	67.6	5.25	7.6	SR13	7/24/2017 12:30	28.34	79.3	6.09	7.5	SR13	7/24/2017 18:30	28.30	64.7	4.96	6.8
SR13	7/24/2017 0:35	28.39	68.9	5.33	7.9	SR13	7/24/2017 6:35	28.28	67.4	5.23	8.2	SR13	7/24/2017 12:35	28.34	79.0	6.06	7.6	SR13	7/24/2017 18:35	28.40	64.3	4.93	6.7
SR13	7/24/2017 0:40	28.13	66.5	5.15	7.8	SR13	7/24/2017 6:40	28.19	68.1	5.27	7.0	SR13	7/24/2017 12:40	28.34	79.6	6.10	7.9	SR13	7/24/2017 18:40	28.40	65.2	5.00	7.5
SR13	7/24/2017 0:45	28.34	68.4	5.29	7.3	SR13	7/24/2017 6:45	28.34	68.0	5.26	7.6	SR13	7/24/2017 12:45	28.37	79.0	6.06	7.4	SR13	7/24/2017 18:45	28.42	64.3	4.93	7.3
SR13	7/24/2017 0:50	28.39	69.3	5.37	6.9	SR13	7/24/2017 6:50	28.06	68.9	5.34	7.9	SR13	7/24/2017 12:50	28.42	76.2	5.84	7.2	SR13	7/24/2017 18:50	28.40	64.2	4.93	6.8
SR13	7/24/2017 0:55	28.15	69.7	5.40	7.1	SR13	7/24/2017 6:55	28.13	68.7	5.32	7.7	SR13	7/24/2017 12:55	28.45	77.7	5.95	7.5	SR13	7/24/2017 18:55	28.36	63.2	4.85	7.1
SR13	7/24/2017 1:00	28.21	70.3	5.44	7.7	SR13	7/24/2017 7:00	28.28	74.9	5.81	8.4	SR13	7/24/2017 13:00	28.49	77.7	5.95	7.4	SR13	7/24/2017 19:00	28.36	61.1	4.69	7.0
SR13	7/24/2017 1:05	28.01	70.0	5.43	7.0	SR13	7/24/2017 7:05	28.13	72.6	5.64	8.0	SR13	7/24/2017 13:05	28.41	78.7	6.03	7.8	SR13	7/24/2017 19:05	28.31	60.3	4.64	7.3
SR13	7/24/2017 1:10	28.21	71.5	5.55	7.5	SR13	7/24/2017 7:10	28.24	69.4	5.38	8.3	SR13	7/24/2017 13:10	28.43	78.6	6.02	8.4	SR13	7/24/2017 19:10	28.29	62.0	4.77	7.3
SR13	7/24/2017 1:15	28.22	70.8	5.48	7.5	SR13	7/24/2017 7:15	28.19	69.0	5.34	7.9	SR13	7/24/2017 13:15	28.51	78.3	6.00	7.9	SR13	7/24/2017 19:15	28.30	62.2	4.79	7.3
SR13	7/24/2017 1:20	28.16	69.3	5.37	7.8	SR13	7/24/2017 7:20	28.13	67.4	5.22	7.8	SR13	7/24/2017 13:20	28.43	78.0	5.97	8.1	SR13	7/24/2017 19:20	28.30	61.6	4.74	7.6
SR13	7/24/2017 1:25	28.33	69.8	5.41	7.5	SR13	7/24/2017 7:25	28.15	67.2	5.20	7.6	SR13	7/24/2017 13:25	28.37	77.4	5.92	7.6	SR13	7/24/2017 19:25	28.30	61.3	4.72	7.4
SR13	7/24/2017 1:30	28.29	68.5	5.30	7.5	SR13	7/24/2017 7:30	28.10	68.0	5.26	6.9	SR13	7/24/2017 13:30	28.31	77.8	5.96	7.8	SR13	7/24/2017 19:30	28.30	60.8	4.68	7.9
SR13	7/24/2017 1:35	28.23	68.3	5.29	7.1	SR13	7/24/2017 7:35	28.18	68.7	5.32	7.5	SR13	7/24/2017 13:35	28.35	77.1	5.90	7.1	SR13	7/24/2017 19:35	28.30	60.7	4.68	6.9
SR13	7/24/2017 1:40	28.31	68.6	5.32	8.3	SR13	7/24/2017 7:40	28.26	68.9	5.34	7.6	SR13	7/24/2017 13:40	28.34	76.6	5.87	8.2	SR13	7/24/2017 19:40	28.29	60.9	4.69	6.8
SR13	7/24/2017 1:45	28.27	68.1	5.28	7.5	SR13	7/24/2017 7:45	28.36	68.5	5.31	8.2	SR13	7/24/2017 13:45	28.50	76.4	5.84	6.9	SR13	7/24/2017 19:45	28.29	60.7	4.68	7.2
SR13	7/24/2017 1:50	28.11	68.5	5.30	7.1	SR13	7/24/2017 7:50	28.10	68.0	5.28	7.9	SR13	7/24/2017 13:50	28.37	75.8	5.80	7.6	SR13	7/24/2017 19:50	28.28	60.3	4.65	7.1
SR13	7/24/2017 1:55	28.31	69.0	5.34	7.7	SR13	7/24/2017 7:55	28.31	67.6	5.24	7.6	SR13	7/24/2017 13:55	28.41	75.9	5.80	8.2	SR13	7/24/2017 19:55	28.28	60.5	4.66	6.7
SR13	7/24/2017 2:00	28.14	68.0	5.27	7.2	SR13	7/24/2017 8:00	28.20	67.2	5.20	7.8	SR13	7/24/2017 14:00	28.28	75.4	5.76	7.8	SR13	7/24/2017 20:00	28.27	59.6	4.59	6.9
SR13	7/24/2017 2:05	28.16	68.1	5.27	8.0	SR13	7/24/2017 8:05	28.27	68.1	5.27	8.3	SR13	7/24/2017 14:05	28.23	76.0	5.81	7.4	SR13	7/24/2017 20:05	28.26	59.5	4.59	7.4
SR13	7/24/2017 2:10	28.09	68.0	5.27	7.6	SR13	7/24/2017 8:10	28.24	68.9	5.32	8.0	SR13	7/24/2017 14:10	28.16	77.3	5.92	7.7	SR13	7/24/2017 20:10	28.27	60.0	4.63	7.5
SR13	7/24/2017 2:15	28.28	67.6	5.24	8.4	SR13	7/24/2017 8:15	28.26	68.6	5.29	8.4	SR13	7/24/2017 14:15	28.36	78.5	6.00	7.8	SR13	7/24/2017 20:15	28.27	59.7	4.61	7.4
SR13	7/24/2017 2:20	28.17	66.2	5.12	7.6	SR13	7/24/2017 8:20	28.27	71.0	5.47	7.1	SR13	7/24/2017 14:20	28.59	79.0	6.05	7.4	SR13	7/24/2017 20:20	28.28	58.7	4.53	7.7
SR13	7/24/2017 2:25	28.11	67.7	5.24	7.5	SR13	7/24/2017 8:25	28.32	71.3	5.51	7.7	SR13	7/24/2017 14:25	28.75	79.7	6.09	7.6	SR13	7/24/2017 20:25	28.28	58.8	4.53	8.3
SR13	7/24/2017 2:30	28.32	68.9	5.33	8.1	SR13	7/24/2017 8:30	28.33	70.9	5.49	7.2	SR13	7/24/2017 14:30	28.66	78.0	5.96	7.3	SR13	7/24/2017 20:30	28.27	59.4	4.59	7.0
SR13	7/24/2017 2:35	28.24	68.5	5.31	7.3	SR13	7/24/2017 8:35	28.35	69.6	5.38	7.5	SR13	7/24/2017 14:35	28.65	74.3	5.68	7.5	SR13	7/24/2017 20:35	28.27	60.6	4.67	7.9
SR13	7/24/2017 2:40	28.14	67.9	5.25	8.4	SR13	7/24/2017 8:40	28.31	70.5	5.45	7.4	SR13	7/24/2017 14:40	28.85	71.8	5.50	7.6	SR13	7/24/2017 20:40	28.27	60.3	4.65	7.1
SR13	7/24/2017 2:45	28.16	68.0	5.27	8.5	SR13	7/24/2017 8:45	28.39	71.9	5.55	8.7	SR13	7/24/2017 14:45	28.90	72.1	5.53	8.3	SR13	7/24/2017 20:45	28.27	60.7	4.69	7.3
SR13	7/24/2017 2:50	28.00	67.9	5.26	7.9	SR13	7/24/2017 8:50	28.40	72.9	5.63	8.1	SR13	7/24/2017 14:50	29.10	72.0	5.52	8.3	SR13	7/24/2017 20:50	28.27	60.6	4.67	7.3
SR13	7/24/2017 2:55	28.12	66.6	5.16	7.6	SR13	7/24/2017 8:55	28.38	72.3	5.58	8.1	SR13	7/24/2017 14:55	29.05	71.9	5.51	7.2	SR13	7/24/2017 20:55	28.26	62.3	4.80	8.1
SR13	7/24/2017 3:00	28.24	67.1	5.19	7.8	SR13	7/24/2017 9:00	28.26	72.3	5.58	8.3	SR13						SR13	7/24/2017 21:00	28.25	62.0	4.79	7.6
SR13	7/24/2017 3:05	28.11	67.8	5.25	7.9	SR13	7/24/2017 9:05	28.11	73.1	5.64	8.2	SR13						SR13	7/24/2017 21:05	28.24	62.0	4.78	7.6
SR13	7/24/2017 3:10	28.21	67.4	5.22	7.4	SR13	7/24/2017 9:10	28.24	71.2	5.49	7.8	SR13						SR13	7/24/2017 21:10	28.24	62.2	4.80	7.3
SR13	7/24/2017 3:15	28.09	67.1	5.19	7.7	SR13	7/24/2017 9:15	28.40	71.6	5.62	8.1	SR13	7/24/2017 15:15	29.06	73.0	5.59	8.4	SR13	7/24/2017 21:15	28.24	64.5	4.98	7.0
SR13	7/24/2017 3:20	28.28	67.2	5.21	8.0	SR13	7/24/2017 9:20	28.40	73.2	5.64	7.3	SR13	7/24/2017 15:20	28.90	72.3	5.54	8.0	SR13	7/24/2017 21:20	28.24	65.9	5.09	7.2
SR13	7/24/2017 3:25	28.38	66.7	5.17	8.0	SR13	7/24/2017 9:25	28.36	73.1	5.63	7.4	SR13	7/24/2017 15:25	29.34	72.5	5.55	8.3	SR13	7/24/2017 21:25	28.23	65.9	5.08	8.1
SR13	7/24/2017 3:30	28.08	66.8	5.17	7.3	SR13	7/24/2017 9:30	28.20	73.7	5.68	8.2	SR13	7/24/2017 15:30	29.44	72.2	5.52	7.5	SR13	7/24/2017 21:30	28.21	65.7	5.06	6.9
SR13	7/24/2017 3:35	28.19	67.0	5.18	7.6	SR13	7/24/2017 9:35	28.25	72.0	5.55	7.7	SR13	7/24/2017 15:35	29.07	71.8	5.49	7.9	SR13	7/24/2017 21:35	28.20	67.1	5.17	7.2
SR13	7/24/2017 3:40	28.40	66.1	5.12	8.1	SR13	7/24/2017 9:40	28.48	74.2	5.71	7.8	SR13	7/24/2017 15:40	29.14	71.9	5.50	8.5	SR13	7/24/2017 21:40	28.19	68.1	5.25	7.2
SR13	7/24/2017 3:45	28.37	66.4	5.14	8.6	SR13	7/24/2017 9:45	28.27	73.1	5.63	7.8	SR13	7/24/2017 15:45	29.02	71.6	5.47	7.2	SR13	7/24/2017 21:45	28.19	67.9	5.23	7.0
SR13	7/24/2017 3:50	28.14	65.7	5.09	7.4	SR13	7/24/2017 9:50	28.27	74.7	5.75	8.4	SR13	7/24/2017 15:50	28.96	72.6	5.55	8.1	SR13	7/24/2017 21:50	28.18	67.3	5.20	7.4
SR13	7/2																						

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	7/24/2017 0:17	0.16				SR12	7/24/2017 0:17	0.17			
SR4	7/24/2017 0:37	0.14				SR12	7/24/2017 0:37	0.17			
SR4	7/24/2017 0:57	0.13				SR12	7/24/2017 0:57	0.16			
SR4	7/24/2017 1:17	0.13				SR12	7/24/2017 1:17	0.17			
SR4	7/24/2017 1:37	0.16				SR12	7/24/2017 1:37	0.14			
SR4	7/24/2017 1:57	0.14				SR12	7/24/2017 1:57	0.17			
SR4	7/24/2017 2:17	0.16				SR12	7/24/2017 2:17	0.14			
SR4	7/24/2017 2:37	0.14				SR12	7/24/2017 2:37	0.16			
SR4	7/24/2017 2:57	0.16				SR12	7/24/2017 2:57	0.18			
SR4	7/24/2017 3:17	0.13				SR12	7/24/2017 3:17	0.14			
SR4	7/24/2017 3:37	0.14				SR12	7/24/2017 3:37	0.14			
SR4	7/24/2017 3:57	0.14				SR12	7/24/2017 3:57	0.16			
SR4	7/24/2017 4:17	0.13				SR12	7/24/2017 4:17	0.15			
SR4	7/24/2017 4:37	0.14				SR12	7/24/2017 4:37	0.17			
SR4	7/24/2017 4:57	0.14				SR12	7/24/2017 4:57	0.17			
SR4	7/24/2017 5:17	0.16				SR12	7/24/2017 5:17	0.16			
SR4	7/24/2017 5:37	0.13				SR12	7/24/2017 5:37	0.17			
SR4	7/24/2017 5:57	0.14				SR12	7/24/2017 5:57	0.18			
SR4						SR12					
SR4	7/24/2017 6:37	0.16				SR12	7/24/2017 6:37	0.16			
SR4	7/24/2017 6:57	0.15				SR12	7/24/2017 6:57	0.17			
SR4	7/24/2017 7:17	0.13				SR12	7/24/2017 7:17	0.15			
SR4	7/24/2017 7:37	0.15				SR12	7/24/2017 7:37	0.16			
SR4	7/24/2017 7:57	0.16				SR12	7/24/2017 7:57	0.14			
SR4	7/24/2017 8:17	0.14				SR12	7/24/2017 8:17	0.17			
SR4	7/24/2017 8:37	0.15				SR12	7/24/2017 8:37	0.15			
SR4	7/24/2017 8:57	0.15				SR12	7/24/2017 8:57	0.18			
SR4	7/24/2017 9:17	0.16				SR12	7/24/2017 9:17	0.16			
SR4	7/24/2017 9:37	0.14				SR12	7/24/2017 9:37	0.18			
SR4	7/24/2017 9:57	0.14				SR12	7/24/2017 9:57	0.17			
SR4						SR12	7/24/2017 10:17	0.17			
SR4						SR12	7/24/2017 10:37	0.14			
SR4						SR12	7/24/2017 10:57	0.14			
SR4						SR12	7/24/2017 11:17	0.17			
SR4	7/24/2017 11:37	0.13				SR12	7/24/2017 11:37	0.14			
SR4	7/24/2017 11:57	0.13				SR12	7/24/2017 11:57	0.16			
SR4	7/24/2017 12:17	0.14				SR12	7/24/2017 12:17	0.17			
SR4	7/24/2017 12:37	0.15				SR12	7/24/2017 12:37	0.18			
SR4	7/24/2017 12:57	0.16				SR12	7/24/2017 12:57	0.17			
SR4	7/24/2017 13:17	0.13				SR12					
SR4	7/24/2017 13:37	0.15				SR12					
SR4	7/24/2017 13:57	0.16				SR12					
SR4	7/24/2017 14:17	0.13				SR12					
SR4	7/24/2017 14:37	0.14				SR12					
SR4	7/24/2017 14:57	0.16				SR12	7/24/2017 14:57	0.14			
SR4	7/24/2017 15:17	0.16				SR12	7/24/2017 15:17	0.16			
SR4	7/24/2017 15:37	0.13				SR12	7/24/2017 15:37	0.17			
SR4	7/24/2017 15:57	0.16				SR12	7/24/2017 15:57	0.16			
SR4	7/24/2017 16:17	0.16				SR12	7/24/2017 16:17	0.18			
SR4	7/24/2017 16:37	0.15				SR12	7/24/2017 16:37	0.15			
SR4	7/24/2017 16:57	0.14				SR12	7/24/2017 16:57	0.18			
SR4	7/24/2017 17:17	0.13				SR12	7/24/2017 17:17	0.16			
SR4	7/24/2017 17:37	0.14				SR12	7/24/2017 17:37	0.14			
SR4	7/24/2017 17:57	0.13				SR12	7/24/2017 17:57	0.18			
SR4	7/24/2017 18:17	0.16				SR12	7/24/2017 18:17	0.15			
SR4	7/24/2017 18:37	0.14				SR12	7/24/2017 18:37	0.14			
SR4	7/24/2017 18:57	0.15				SR12	7/24/2017 18:57	0.18			
SR4	7/24/2017 19:17	0.13				SR12	7/24/2017 19:17	0.14			
SR4	7/24/2017 19:37	0.12				SR12	7/24/2017 19:37	0.17			
SR4	7/24/2017 19:57	0.12				SR12	7/24/2017 19:57	0.14			
SR4	7/24/2017 20:17	0.13				SR12	7/24/2017 20:17	0.15			
SR4	7/24/2017 20:37	0.15				SR12	7/24/2017 20:37	0.14			
SR4	7/24/2017 20:57	0.14				SR12	7/24/2017 20:57	0.17			
SR4	7/24/2017 21:17	0.15				SR12	7/24/2017 21:17	0.14			
SR4	7/24/2017 21:37	0.15				SR12	7/24/2017 21:37	0.16			
SR4	7/24/2017 21:57	0.14				SR12	7/24/2017 21:57	0.16			
SR4	7/24/2017 22:17	0.13				SR12	7/24/2017 22:17	0.16			
SR4	7/24/2017 22:37	0.15				SR12	7/24/2017 22:37	0.15			
SR4	7/24/2017 22:57	0.13				SR12	7/24/2017 22:57	0.18			
SR4	7/24/2017 23:17	0.15				SR12	7/24/2017 23:17	0.15			
SR4	7/24/2017 23:37	0.12				SR12	7/24/2017 23:37	0.14			
SR4	7/24/2017 23:57	0.14				SR12	7/24/2017 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 10:06-11:16.

SR12 monitoring station was under maintenance during 13:06-14:21.

SR13 monitoring station was under maintenance during 14:55-15:15.

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	7/25/2017 0:01	28.47	70.1	5.43	8.1	SR4	7/25/2017 6:01	28.19	60.6	4.72	7.1	SR4	7/25/2017 12:01	28.97	76.5	5.88	7.6	SR4	7/25/2017 18:01	29.29	64.3	4.94	8.2
SR4	7/25/2017 0:06	28.47	70.0	5.42	6.7	SR4	7/25/2017 6:06	28.18	61.9	4.83	7.5	SR4	7/25/2017 12:06	28.96	76.4	5.87	6.5	SR4	7/25/2017 18:06	29.27	63.7	4.89	6.5
SR4	7/25/2017 0:11	28.47	69.3	5.38	4.1	SR4	7/25/2017 6:11	28.17	61.3	4.77	8.3	SR4	7/25/2017 12:11	28.93	76.7	5.91	8.4	SR4	7/25/2017 18:11	29.31	63.2	4.85	8.2
SR4	7/25/2017 0:16	28.47	69.4	5.38	6.5	SR4	7/25/2017 6:16	28.17	62.5	4.87	7.1	SR4	7/25/2017 12:16	28.93	76.3	5.88	7.1	SR4	7/25/2017 18:16	29.33	63.1	4.84	7.6
SR4	7/25/2017 0:21	28.47	69.9	5.42	7.5	SR4	7/25/2017 6:21	28.18	63.5	4.95	7.1	SR4	7/25/2017 12:21	28.96	76.6	5.90	6.5	SR4	7/25/2017 18:21	29.27	63.1	4.84	7.2
SR4	7/25/2017 0:26	28.47	69.6	5.40	7.6	SR4	7/25/2017 6:26	28.18	62.0	4.83	7.5	SR4	7/25/2017 12:26	28.95	77.0	5.93	7.9	SR4	7/25/2017 18:26	29.19	62.8	4.82	8.0
SR4	7/25/2017 0:31	28.47	70.3	5.45	7.3	SR4	7/25/2017 6:31	28.18	61.8	4.81	6.6	SR4	7/25/2017 12:31	28.94	78.2	6.02	7.8	SR4	7/25/2017 18:31	29.16	62.4	4.79	8.1
SR4	7/25/2017 0:36	28.47	69.7	5.40	8.2	SR4	7/25/2017 6:36	28.18	63.0	4.91	6.7	SR4	7/25/2017 12:36	28.91	78.8	6.05	8.1	SR4	7/25/2017 18:36	29.16	62.7	4.81	7.0
SR4	7/25/2017 0:41	28.46	70.0	5.42	7.9	SR4	7/25/2017 6:41	28.19	62.3	4.86	8.2	SR4	7/25/2017 12:41	28.90	78.6	6.04	7.5	SR4	7/25/2017 18:41	29.18	61.2	4.70	7.4
SR4	7/25/2017 0:46	28.45	70.7	5.48	7.6	SR4	7/25/2017 6:46	28.20	62.1	4.84	7.1	SR4	7/25/2017 12:46	28.92	75.5	5.78	6.5	SR4	7/25/2017 18:46	29.17	61.0	4.69	7.9
SR4	7/25/2017 0:51	28.45	71.8	5.57	8.0	SR4	7/25/2017 6:51	28.20	62.4	4.86	7.6	SR4	7/25/2017 12:51	28.93	78.3	6.00	7.2	SR4	7/25/2017 18:51	29.13	61.1	4.70	7.3
SR4	7/25/2017 0:56	28.45	71.1	5.51	7.9	SR4	7/25/2017 6:56	28.22	62.4	4.87	6.7	SR4	7/25/2017 12:56	29.08	77.7	5.95	8.0	SR4	7/25/2017 18:56	29.09	61.1	4.70	6.7
SR4	7/25/2017 1:01	28.45	71.8	5.56	7.7	SR4	7/25/2017 7:01	28.23	61.5	4.79	7.4	SR4	7/25/2017 13:01	29.18	76.4	5.86	7.2	SR4	7/25/2017 19:01	29.09	60.0	4.62	8.4
SR4	7/25/2017 1:06	28.41	71.9	5.57	8.0	SR4	7/25/2017 7:06	28.25	62.5	4.87	8.0	SR4	7/25/2017 13:06	29.10	72.5	5.55	6.9	SR4	7/25/2017 19:06	29.07	60.0	4.62	6.8
SR4	7/25/2017 1:11	28.36	71.4	5.53	6.9	SR4	7/25/2017 7:11	28.26	63.4	4.95	8.2	SR4	7/25/2017 13:11	29.09	72.4	5.57	7.9	SR4	7/25/2017 19:11	29.10	59.3	4.56	7.2
SR4	7/25/2017 1:16	28.32	71.0	5.50	7.2	SR4	7/25/2017 7:16	28.27	63.3	4.94	6.6	SR4	7/25/2017 13:16	29.11	72.4	5.56	7.2	SR4	7/25/2017 19:16	29.12	59.3	4.56	7.4
SR4	7/25/2017 1:21	28.29	72.2	5.59	6.6	SR4	7/25/2017 7:21	28.27	62.9	4.90	7.4	SR4	7/25/2017 13:21	29.11	72.5	5.58	7.6	SR4	7/25/2017 19:21	29.14	59.9	4.61	7.0
SR4	7/25/2017 1:26	28.28	71.4	5.53	7.0	SR4	7/25/2017 7:26	28.28	62.5	4.87	7.9	SR4	7/25/2017 13:26	29.12	70.9	5.46	7.3	SR4	7/25/2017 19:26	29.15	58.4	4.50	7.1
SR4	7/25/2017 1:31	28.27	72.0	5.58	7.0	SR4	7/25/2017 7:31	28.28	61.6	4.80	7.1	SR4	7/25/2017 13:31	29.13	72.9	5.57	6.7	SR4	7/25/2017 19:31	29.13	57.5	4.43	7.6
SR4	7/25/2017 1:36	28.27	72.5	5.61	8.2	SR4	7/25/2017 7:36	28.28	62.0	4.83	7.4	SR4	7/25/2017 13:36	29.18	74.5	5.68	6.6	SR4	7/25/2017 19:36	29.12	57.1	4.40	7.8
SR4	7/25/2017 1:41	28.26	72.7	5.64	7.1	SR4	7/25/2017 7:41	28.28	62.8	4.89	7.9	SR4	7/25/2017 13:41	29.22	76.1	5.78	6.5	SR4	7/25/2017 19:41	29.10	58.5	4.51	6.5
SR4	7/25/2017 1:46	28.26	72.9	5.65	8.2	SR4	7/25/2017 7:46	28.28	61.7	4.80	6.8	SR4	7/25/2017 13:46	29.22	74.2	5.65	7.1	SR4	7/25/2017 19:46	29.08	58.6	4.51	7.9
SR4	7/25/2017 1:51	28.26	67.6	5.25	6.6	SR4	7/25/2017 7:51	28.28	61.9	4.82	8.2	SR4	7/25/2017 13:51	29.23	74.8	5.70	7.1	SR4	7/25/2017 19:51	29.06	57.8	4.45	6.5
SR4	7/25/2017 1:56	28.27	66.6	5.18	7.8	SR4	7/25/2017 7:56	28.27	62.8	4.88	8.1	SR4	7/25/2017 13:56	29.21	75.5	5.76	7.3	SR4	7/25/2017 19:56	29.06	58.5	4.51	8.4
SR4	7/25/2017 2:01	28.27	65.0	5.05	7.6	SR4	7/25/2017 8:01	28.26	63.0	4.90	6.9	SR4	7/25/2017 14:01	29.14	78.3	5.96	7.2	SR4	7/25/2017 20:01	29.06	59.1	4.55	8.1
SR4	7/25/2017 2:06	28.27	64.5	5.02	8.2	SR4	7/25/2017 8:06	28.26	63.7	4.95	8.1	SR4	7/25/2017 14:06	29.09	78.2	5.96	7.7	SR4	7/25/2017 20:06	29.05	58.6	4.51	7.5
SR4	7/25/2017 2:11	28.28	67.0	5.20	6.5	SR4	7/25/2017 8:11	28.26	64.2	4.98	7.4	SR4	7/25/2017 14:11	29.05	78.3	5.97	6.9	SR4	7/25/2017 20:11	29.05	59.5	4.59	6.9
SR4	7/25/2017 2:16	28.27	67.1	5.21	7.3	SR4	7/25/2017 8:16	28.27	64.6	5.02	6.8	SR4	7/25/2017 14:16	29.00	77.2	5.90	6.8	SR4	7/25/2017 20:16	29.04	61.5	4.74	8.3
SR4	7/25/2017 2:21	28.28	67.3	5.23	7.5	SR4	7/25/2017 8:21	28.27	64.4	5.00	6.6	SR4	7/25/2017 14:21	28.92	76.9	5.87	7.9	SR4	7/25/2017 20:21	29.04	60.2	4.64	6.5
SR4	7/25/2017 2:26	28.27	67.6	5.25	6.8	SR4	7/25/2017 8:26	28.27	63.4	4.93	8.1	SR4	7/25/2017 14:26	28.87	74.5	5.71	7.5	SR4	7/25/2017 20:26	29.04	59.4	4.58	7.7
SR4	7/25/2017 2:31	28.26	66.4	5.16	7.3	SR4	7/25/2017 8:31	28.27	63.4	4.93	7.2	SR4	7/25/2017 14:31	28.79	74.8	5.72	8.2	SR4	7/25/2017 20:31	29.03	59.2	4.56	6.6
SR4	7/25/2017 2:36	28.25	66.0	5.13	7.9	SR4	7/25/2017 8:36	28.27	64.7	5.04	6.7	SR4	7/25/2017 14:36	28.90	73.7	5.65	6.9	SR4	7/25/2017 20:36	29.03	57.6	4.43	6.7
SR4	7/25/2017 2:41	28.25	64.2	5.00	7.5	SR4	7/25/2017 8:41	28.27	64.7	5.03	8.0	SR4	7/25/2017 14:41	28.96	72.1	5.54	7.3	SR4	7/25/2017 20:41	29.04	57.8	4.45	7.8
SR4	7/25/2017 2:46	28.24	64.2	5.00	6.5	SR4	7/25/2017 8:46	28.29	65.3	5.07	7.6	SR4	7/25/2017 14:46	28.87	76.1	5.83	7.1	SR4	7/25/2017 20:46	29.05	58.4	4.49	6.8
SR4	7/25/2017 2:51	28.21	63.5	4.94	7.9	SR4	7/25/2017 8:51	28.33	67.4	5.23	8.1	SR4	7/25/2017 14:51	29.04	72.0	5.54	8.0	SR4	7/25/2017 20:51	29.02	57.7	4.44	8.0
SR4	7/25/2017 2:56	28.21	63.7	4.95	7.2	SR4	7/25/2017 8:56	28.38	68.9	5.34	7.6	SR4	7/25/2017 14:56	29.21	73.0	5.61	7.3	SR4	7/25/2017 20:56	29.02	58.8	4.53	6.8
SR4	7/25/2017 3:01	28.22	64.6	5.03	6.5	SR4	7/25/2017 9:01	28.42	69.2	5.36	8.4	SR4	7/25/2017 15:01	29.35	73.9	5.66	8.2	SR4	7/25/2017 21:01	29.03	59.0	4.55	8.4
SR4	7/25/2017 3:06	28.26	64.9	5.05	7.0	SR4	7/25/2017 9:06	28.44	68.0	5.27	7.4	SR4	7/25/2017 15:06	29.24	72.6	5.58	6.5	SR4	7/25/2017 21:06	29.02	58.7	4.52	6.8
SR4	7/25/2017 3:11	28.25	65.0	5.06	7.3	SR4	7/25/2017 9:11	28.46	67.3	5.22	8.0	SR4	7/25/2017 15:11	29.22	72.3	5.55	7.1	SR4	7/25/2017 21:11	28.99	59.3	4.57	6.7
SR4	7/25/2017 3:16	28.23	65.2	5.07	8.1	SR4	7/25/2017 9:16	28.46	65.0	5.04	7.7	SR4	7/25/2017 15:16	29.10	74.0	5.66	6.6	SR4	7/25/2017 21:16	29.00	58.9	4.54	7.3
SR4	7/25/2017 3:21	28.23	65.9	5.13	7.3	SR4	7/25/2017 9:21	28.45	65.5	5.09	7.7	SR4	7/25/2017 15:21	28.97	76.4	5.82	6.8	SR4	7/25/2017 21:21	29.01	59.6	4.59	7.3
SR4	7/25/2017 3:26	28.23	65.6	5.10	6.7	SR4	7/25/2017 9:26	28.43	66.0	5.12	7.8	SR4	7/25/2017 15:26	28.88	74.6	5.69	7.7	SR4	7/25/2017 21:26	29.01	63.6	4.90	8.3
SR4	7/25/2017 3:31	28.21	65.7	5.11	8.0	SR4	7/25/2017 9:31	28.43	66.2	5.14	6.9	SR4	7/25/2017 15:31	28.82	72.2	5.52	6.5	SR4	7/25/2017 21:31	29.02	63.1	4.86	7.7
SR4	7/25/2017 3:36	28.20	66.6	5.18	7.6	SR4	7/25/2017 9:36	28.44	66.5	5.16	8.3	SR4	7/25/2017 15:36	28.98	71.4	5.46	7.8	SR4	7/25/2017 21:36	29.02	60.6	4.67	6.6
SR4	7/25/2017 3:41	28.19	66.7	5.19	8.2	SR4	7/25/2017 9:41	28.45	68.1	5.28	6.5	SR4	7/25/2017 15:41	28.97	69.7	5.36	8.1	SR4	7/25/2017 21:41	29.01	61.1	4.71	7.0
SR4	7/25/2017 3:46	28.15	66.3	5.17	7.7	SR4	7/25/2017 9:46	28.44	70.8	5.49	7.7	SR4	7/25/2017 15:46	29.16	70.4	5.40	6.8	SR4	7/25/2017 21:46	29.00	60.7	4.68	8.1
SR4	7/25/2017 3:51	28.14	66.1	5.14	7.8	SR4	7/25/2017 9:51	28.42	68.8	5.34	6.8	SR4	7/25/2017 15:51	29.19	70.0	5.38	6.9	SR4	7/25/2017 21:51	29.00	59.4	4.57	7.2
SR4	7/25/2017 3:56	28.15	66.1	5.15	7.3	SR4	7/25/2017 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	7/25/2017 0:00	29.31	70.9	5.50	5.9	SR5	7/25/2017 6:00	29.21	69.4	5.30	5.2	SR5	7/25/2017 12:00	29.26	71.3	5.46	5.3	SR5	7/25/2017 18:00	29.60	70.3	5.37	6.2
SR5	7/25/2017 0:05	29.28	70.1	5.35	5.3	SR5	7/25/2017 6:05	29.22	69.7	5.32	5.4	SR5	7/25/2017 12:05	29.27	70.3	5.38	4.8	SR5	7/25/2017 18:05	29.58	69.7	5.32	6.4
SR5	7/25/2017 0:10	29.28	70.3	5.37	3.8	SR5	7/25/2017 6:10	29.21	70.3	5.37	5.7	SR5	7/25/2017 12:10	29.29	70.6	5.42	5.8	SR5	7/25/2017 18:10	29.58	69.2	5.28	6.4
SR5	7/25/2017 0:15	29.30	69.3	5.29	5.1	SR5	7/25/2017 6:15	29.24	68.8	5.25	5.2	SR5	7/25/2017 12:15	29.31	72.0	5.52	5.2	SR5	7/25/2017 18:15	29.64	68.9	5.26	6.0
SR5	7/25/2017 0:20	29.28	70.0	5.34	5.5	SR5	7/25/2017 6:20	29.24	69.3	5.29	5.3	SR5	7/25/2017 12:20	29.29	71.0	5.45	4.9	SR5	7/25/2017 18:20	29.61	69.4	5.30	5.9
SR5	7/25/2017 0:25	29.30	69.8	5.33	5.7	SR5	7/25/2017 6:25	29.20	70.5	5.38	5.5	SR5	7/25/2017 12:25	29.34	71.9	5.52	5.6	SR5	7/25/2017 18:25	29.62	70.1	5.35	5.8
SR5	7/25/2017 0:30	29.31	69.2	5.28	6.2	SR5	7/25/2017 6:30	29.20	69.3	5.29	4.8	SR5	7/25/2017 12:30	29.30	72.0	5.53	5.4	SR5	7/25/2017 18:30	29.62	69.8	5.33	5.9
SR5	7/25/2017 0:35	29.31	68.6	5.24	6.1	SR5	7/25/2017 6:35	29.25	70.2	5.36	5.2	SR5	7/25/2017 12:35	29.32	72.8	5.59	5.6	SR5	7/25/2017 18:35	29.62	68.6	5.24	5.4
SR5	7/25/2017 0:40	29.31	69.4	5.30	5.8	SR5	7/25/2017 6:40	29.22	68.8	5.25	6.0	SR5	7/25/2017 12:40	29.36	71.0	5.46	5.3	SR5	7/25/2017 18:40	29.60	70.1	5.35	5.7
SR5	7/25/2017 0:45	29.28	69.7	5.32	5.9	SR5	7/25/2017 6:45	29.20	69.7	5.32	5.4	SR5	7/25/2017 12:45	29.34	71.2	5.45	4.9	SR5	7/25/2017 18:45	29.59	70.6	5.39	5.8
SR5	7/25/2017 0:50	29.30	69.0	5.22	5.9	SR5	7/25/2017 6:50	29.24	70.3	5.37	5.7	SR5	7/25/2017 12:50	29.34	71.5	5.48	5.3	SR5	7/25/2017 18:50	29.62	70.5	5.38	5.9
SR5	7/25/2017 0:55	29.33	68.9	5.26	5.8	SR5	7/25/2017 6:55	29.21	69.6	5.31	5.2	SR5	7/25/2017 12:55	29.40	71.9	5.50	5.6	SR5	7/25/2017 18:55	29.61	69.3	5.29	5.4
SR5	7/25/2017 1:00	29.34	68.9	5.22	5.6	SR5	7/25/2017 7:00	29.25	68.6	5.24	5.6	SR5	7/25/2017 13:00	29.39	71.6	5.49	5.2	SR5	7/25/2017 19:00	29.58	70.6	5.39	6.4
SR5	7/25/2017 1:05	29.32	68.8	5.22	5.7	SR5	7/25/2017 7:05	29.25	69.4	5.30	9.5	SR5	7/25/2017 13:05	29.38	68.8	5.28	5.0	SR5	7/25/2017 19:05	29.63	69.2	5.28	5.3
SR5	7/25/2017 1:10	29.35	69.6	5.31	5.2	SR5	7/25/2017 7:10	29.25	68.6	5.24	5.8	SR5	7/25/2017 13:10	29.42	68.6	5.27	5.4	SR5	7/25/2017 19:10	29.62	69.0	5.27	5.4
SR5	7/25/2017 1:15	29.34	69.7	5.32	5.3	SR5	7/25/2017 7:15	29.25	69.0	5.27	5.0	SR5	7/25/2017 13:15	29.44	69.7	5.35	5.3	SR5	7/25/2017 19:15	29.61	69.2	5.28	5.5
SR5	7/25/2017 1:20	29.30	70.2	5.36	5.2	SR5	7/25/2017 7:20	29.22	68.5	5.23	5.6	SR5	7/25/2017 13:20	29.44	68.4	5.25	5.5	SR5	7/25/2017 19:20	29.58	69.2	5.28	5.3
SR5	7/25/2017 1:25	29.32	69.3	5.29	5.2	SR5	7/25/2017 7:25	29.21	68.9	5.26	5.8	SR5	7/25/2017 13:25	29.44	67.7	5.20	5.4	SR5	7/25/2017 19:25	29.58	70.5	5.38	5.3
SR5	7/25/2017 1:30	29.34	70.1	5.31	5.2	SR5	7/25/2017 7:30	29.23	70.0	5.34	5.6	SR5	7/25/2017 13:30	29.47	69.3	5.31	5.1	SR5	7/25/2017 19:30	29.59	70.6	5.39	5.6
SR5	7/25/2017 1:35	29.34	68.7	5.20	5.9	SR5	7/25/2017 7:35	29.23	69.0	5.27	5.4	SR5	7/25/2017 13:35	29.45	70.0	5.36	4.9	SR5	7/25/2017 19:35	29.60	70.1	5.35	5.7
SR5	7/25/2017 1:40	29.33	69.7	5.28	5.2	SR5	7/25/2017 7:40	29.22	69.8	5.33	5.7	SR5	7/25/2017 13:40	29.48	68.9	5.28	4.9	SR5	7/25/2017 19:40	29.57	68.6	5.24	5.2
SR5	7/25/2017 1:45	29.33	69.8	5.29	5.9	SR5	7/25/2017 7:45	29.21	70.2	5.36	5.4	SR5	7/25/2017 13:45	29.46	69.4	5.32	5.5	SR5	7/25/2017 19:45	29.59	68.9	5.26	6.0
SR5	7/25/2017 1:50	29.36	67.9	5.15	5.2	SR5	7/25/2017 7:50	29.26	69.7	5.32	6.0	SR5	7/25/2017 13:50	29.53	68.9	5.27	5.3	SR5	7/25/2017 19:50	29.59	69.0	5.27	6.0
SR5	7/25/2017 1:55	29.32	67.2	5.11	5.6	SR5	7/25/2017 7:55	29.25	69.4	5.30	5.9	SR5	7/25/2017 13:55	29.49	71.3	5.44	5.3	SR5	7/25/2017 19:55	29.58	70.2	5.36	7.3
SR5	7/25/2017 2:00	29.31	66.0	5.02	5.4	SR5	7/25/2017 8:00	29.26	69.6	5.31	5.2	SR5	7/25/2017 14:00	29.53	72.7	5.55	5.4	SR5	7/25/2017 20:00	29.60	70.5	5.38	7.0
SR5	7/25/2017 2:05	29.31	69.0	5.27	5.7	SR5	7/25/2017 8:05	29.24	70.3	5.37	6.0	SR5	7/25/2017 14:05	29.50	72.1	5.50	5.6	SR5	7/25/2017 20:05	29.61	69.4	5.30	6.8
SR5	7/25/2017 2:10	29.32	70.1	5.35	4.9	SR5	7/25/2017 8:10	29.25	68.9	5.26	5.7	SR5	7/25/2017 14:10	29.49	72.4	5.53	5.2	SR5	7/25/2017 20:10	29.59	70.3	5.37	6.3
SR5	7/25/2017 2:15	29.31	69.7	5.32	5.3	SR5	7/25/2017 8:15	29.25	70.0	5.34	5.3	SR5	7/25/2017 14:15	29.50	71.8	5.49	5.2	SR5	7/25/2017 20:15	29.62	68.8	5.25	6.9
SR5	7/25/2017 2:20	29.32	69.7	5.32	5.4	SR5	7/25/2017 8:20	29.24	68.6	5.24	5.0	SR5	7/25/2017 14:20	29.50	71.2	5.45	5.9	SR5	7/25/2017 20:20	29.57	69.4	5.30	5.9
SR5	7/25/2017 2:25	29.31	69.2	5.28	5.1	SR5	7/25/2017 8:25	29.27	69.2	5.28	6.2	SR5	7/25/2017 14:25	29.53	69.3	5.31	5.8	SR5	7/25/2017 20:25	29.61	69.7	5.32	6.9
SR5	7/25/2017 2:30	29.32	70.0	5.34	5.3	SR5	7/25/2017 8:30	29.25	69.8	5.33	5.7	SR5	7/25/2017 14:30	29.55	70.0	5.36	6.4	SR5	7/25/2017 20:30	29.58	68.5	5.23	6.4
SR5	7/25/2017 2:35	29.30	69.3	5.29	5.6	SR5	7/25/2017 8:35	29.23	70.3	5.37	5.3	SR5	7/25/2017 14:35	29.55	69.8	5.37	5.3	SR5	7/25/2017 20:35	29.56	69.4	5.30	6.6
SR5	7/25/2017 2:40	29.34	70.3	5.37	5.6	SR5	7/25/2017 8:40	29.27	69.2	5.28	5.8	SR5	7/25/2017 14:40	29.51	69.0	5.32	5.7	SR5	7/25/2017 20:40	29.58	69.7	5.32	6.4
SR5	7/25/2017 2:45	29.29	70.3	5.37	4.9	SR5	7/25/2017 8:45	29.25	69.6	5.31	6.2	SR5	7/25/2017 14:45	29.54	69.9	5.36	5.7	SR5	7/25/2017 20:45	29.59	68.4	5.22	5.9
SR5	7/25/2017 2:50	29.34	69.3	5.29	5.6	SR5	7/25/2017 8:50	29.24	68.6	5.24	6.2	SR5	7/25/2017 14:50	29.53	68.6	5.27	6.0	SR5	7/25/2017 20:50	29.59	70.5	5.38	6.9
SR5	7/25/2017 2:55	29.29	69.4	5.30	5.4	SR5	7/25/2017 8:55	29.26	69.2	5.28	5.8	SR5	7/25/2017 14:55	29.56	69.1	5.31	5.7	SR5	7/25/2017 20:55	29.57	69.6	5.31	6.0
SR5	7/25/2017 3:00	29.33	70.1	5.35	4.9	SR5	7/25/2017 9:00	29.27	69.6	5.31	6.4	SR5	7/25/2017 15:00	29.56	69.4	5.33	5.8	SR5	7/25/2017 21:00	29.59	70.0	5.34	6.5
SR5	7/25/2017 3:05	29.33	69.7	5.32	5.3	SR5	7/25/2017 9:05	29.26	70.2	5.36	5.8	SR5	7/25/2017 15:05	29.52	69.0	5.31	4.9	SR5	7/25/2017 21:05	29.58	68.8	5.25	6.5
SR5	7/25/2017 3:10	29.33	68.8	5.25	5.4	SR5	7/25/2017 9:10	29.24	70.0	5.34	6.1	SR5	7/25/2017 15:10	29.57	68.9	5.31	5.3	SR5	7/25/2017 21:10	29.56	69.6	5.31	5.9
SR5	7/25/2017 3:15	29.29	68.8	5.25	5.6	SR5	7/25/2017 9:15	29.26	70.0	5.34	5.7	SR5	7/25/2017 15:15	29.57	69.1	5.31	4.9	SR5	7/25/2017 21:15	29.58	70.5	5.38	6.0
SR5	7/25/2017 3:20	29.31	69.6	5.31	5.5	SR5	7/25/2017 9:20	29.26	70.6	5.39	5.9	SR5	7/25/2017 15:20	29.55	69.9	5.37	5.2	SR5	7/25/2017 21:20	29.58	68.6	5.24	5.9
SR5	7/25/2017 3:25	29.29	69.6	5.31	5.1	SR5	7/25/2017 9:25	29.26	69.8	5.33	5.7	SR5	7/25/2017 15:25	29.54	69.9	5.36	5.7	SR5	7/25/2017 21:25	29.60	69.3	5.29	6.6
SR5	7/25/2017 3:30	29.34	68.6	5.24	5.7	SR5	7/25/2017 9:30	29.24	69.6	5.31	5.4	SR5	7/25/2017 15:30	29.55	68.7	5.28	5.0	SR5	7/25/2017 21:30	29.56	70.1	5.35	6.1
SR5	7/25/2017 3:35	29.33	69.4	5.30	5.5	SR5	7/25/2017 9:35	29.28	68.8	5.25	6.4	SR5	7/25/2017 15:35	29.59	68.0	5.22	5.9	SR5	7/25/2017 21:35	29.58	70.0	5.34	5.4
SR5	7/25/2017 3:40	29.32	70.5	5.38	6.1	SR5	7/25/2017 9:40	29.26	69.7	5.32	5.4	SR5	7/25/2017 15:40	29.56	67.4	5.21	5.9	SR5	7/25/2017 21:40	29.57	68.5	5.23	5.6
SR5	7/25/2017 3:45	29.30	70.1	5.35	5.5	SR5	7/25/2017 9:45	29.29	68.6	5.24	5.7	SR5	7/25/2017 15:45	29.60	67.5	5.21	5.3	SR5	7/25/2017 21:45	29.60	69.3	5.29	6.2
SR5	7/25/2017 3:50	29.32	70.6	5.39	5.5	SR5	7/25/2017 9:50	29.27	68.4	5.22	5.6	SR5	7/25/2017 15:50	29.61	70.1	5.35	5.4	SR5	7/25/2017 21:50	29.58	69.0	5.27	5.6
SR5	7/25/2017 3:55	29.30	70.5	5.38	5.4	SR5	7/25/2017 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	7/25/2017 0:01	28.84	70.2	5.40	5.4	SR12	7/25/2017 6:01	28.64	62.3	4.85	6.3	SR12	7/25/2017 12:01	29.04	73.1	5.69	8.3	SR12	7/25/2017 18:01	29.23	64.3	5.02	6.9
SR12	7/25/2017 0:06	28.82	69.8	5.36	4.7	SR12	7/25/2017 6:06	28.64	63.0	4.91	6.3	SR12	7/25/2017 12:06	28.98	72.8	5.66	7.2	SR12	7/25/2017 18:06	29.21	63.8	4.97	5.6
SR12	7/25/2017 0:11	28.82	69.4	5.34	3.4	SR12	7/25/2017 6:11	28.63	62.7	4.88	6.4	SR12	7/25/2017 12:11	29.02	73.2	5.70	8.5	SR12	7/25/2017 18:11	29.23	63.4	4.95	7.7
SR12	7/25/2017 0:16	28.83	69.4	5.33	4.7	SR12	7/25/2017 6:16	28.65	63.5	4.95	5.5	SR12	7/25/2017 12:16	29.06	73.1	5.69	8.0	SR12	7/25/2017 18:16	29.26	63.3	4.94	7.2
SR12	7/25/2017 0:21	28.81	69.7	5.36	5.1	SR12	7/25/2017 6:21	28.65	64.1	4.99	5.9	SR12	7/25/2017 12:21	28.98	73.0	5.70	8.4	SR12	7/25/2017 18:21	29.24	63.5	4.95	8.4
SR12	7/25/2017 0:26	28.80	69.6	5.35	5.1	SR12	7/25/2017 6:26	28.63	63.1	4.91	5.9	SR12	7/25/2017 12:26	29.04	73.5	5.73	8.7	SR12	7/25/2017 18:26	29.25	63.3	4.93	7.4
SR12	7/25/2017 0:31	28.81	70.1	5.39	4.9	SR12	7/25/2017 6:31	28.64	63.0	4.89	5.3	SR12	7/25/2017 12:31	29.06	74.4	5.79	8.3	SR12	7/25/2017 18:31	29.25	63.0	4.92	7.5
SR12	7/25/2017 0:36	28.82	69.6	5.35	5.3	SR12	7/25/2017 6:36	28.66	63.7	4.96	5.6	SR12	7/25/2017 12:36	29.08	74.7	5.81	9.1	SR12	7/25/2017 18:36	29.24	63.1	4.92	7.6
SR12	7/25/2017 0:41	28.85	69.9	5.37	5.1	SR12	7/25/2017 6:41	28.63	63.3	4.93	6.1	SR12	7/25/2017 12:41	29.02	74.3	5.79	8.8	SR12	7/25/2017 18:41	29.22	62.1	4.85	7.8
SR12	7/25/2017 0:46	28.81	70.2	5.40	5.2	SR12	7/25/2017 6:46	28.61	63.1	4.91	5.7	SR12	7/25/2017 12:46	29.19	72.4	5.62	7.8	SR12	7/25/2017 18:46	29.22	62.1	4.86	9.0
SR12	7/25/2017 0:51	28.82	71.0	5.47	5.2	SR12	7/25/2017 6:51	28.63	63.4	4.94	6.2	SR12	7/25/2017 12:51	29.19	74.0	5.75	8.4	SR12	7/25/2017 18:51	29.22	62.1	4.85	7.8
SR12	7/25/2017 0:56	28.81	70.6	5.43	5.2	SR12	7/25/2017 6:56	28.62	63.2	4.94	5.8	SR12	7/25/2017 12:56	29.19	73.8	5.72	8.3	SR12	7/25/2017 18:56	29.21	62.0	4.85	7.2
SR12	7/25/2017 1:01	28.86	71.0	5.46	5.1	SR12	7/25/2017 7:01	28.64	62.8	4.89	6.1	SR12	7/25/2017 13:01	29.14	73.1	5.69	7.9	SR12	7/25/2017 19:01	29.20	61.3	4.80	7.9
SR12	7/25/2017 1:06	28.81	71.0	5.47	5.4	SR12	7/25/2017 7:06	28.63	63.5	4.94	6.0	SR12	7/25/2017 13:06	29.08	70.4	5.47	7.5	SR12	7/25/2017 19:06	29.20	62.0	4.75	7.2
SR12	7/25/2017 1:11	28.84	70.6	5.43	4.7	SR12	7/25/2017 7:11	28.64	64.0	4.99	6.4	SR12	7/25/2017 13:11	29.06	70.3	5.48	8.7	SR12	7/25/2017 19:11	29.17	60.8	4.74	7.3
SR12	7/25/2017 1:16	28.86	70.4	5.42	4.9	SR12	7/25/2017 7:16	28.63	63.9	4.98	5.5	SR12	7/25/2017 13:16	29.09	70.5	5.48	8.1	SR12	7/25/2017 19:16	29.16	60.8	4.74	7.5
SR12	7/25/2017 1:21	28.83	71.1	5.47	4.7	SR12	7/25/2017 7:21	28.62	63.6	4.95	6.1	SR12	7/25/2017 13:21	29.09	70.2	5.47	8.0	SR12	7/25/2017 19:21	29.17	61.3	4.78	6.8
SR12	7/25/2017 1:26	28.83	70.8	5.46	4.9	SR12	7/25/2017 7:26	28.63	63.5	4.95	6.6	SR12	7/25/2017 13:26	29.05	69.0	5.39	8.3	SR12	7/25/2017 19:26	29.15	60.3	4.72	7.0
SR12	7/25/2017 1:31	28.83	71.2	5.49	4.8	SR12	7/25/2017 7:31	28.65	62.7	4.89	5.8	SR12	7/25/2017 13:31	29.05	70.5	5.47	7.5	SR12	7/25/2017 19:31	29.13	59.7	4.66	7.2
SR12	7/25/2017 1:36	28.84	71.2	5.49	5.6	SR12	7/25/2017 7:36	28.66	63.1	4.91	5.9	SR12	7/25/2017 13:36	29.13	71.5	5.54	7.5	SR12	7/25/2017 19:36	29.13	59.3	4.63	7.1
SR12	7/25/2017 1:41	28.82	71.5	5.51	5.2	SR12	7/25/2017 7:41	28.65	63.5	4.95	6.1	SR12	7/25/2017 13:41	29.15	72.3	5.59	7.3	SR12	7/25/2017 19:41	29.12	60.2	4.70	6.2
SR12	7/25/2017 1:46	28.80	71.7	5.53	5.7	SR12	7/25/2017 7:46	28.65	62.9	4.89	5.5	SR12	7/25/2017 13:46	29.27	71.3	5.52	7.6	SR12	7/25/2017 19:46	29.14	60.3	4.69	7.0
SR12	7/25/2017 1:51	28.76	68.0	5.25	5.1	SR12	7/25/2017 7:51	28.67	63.2	4.92	6.1	SR12	7/25/2017 13:51	29.32	71.6	5.55	7.6	SR12	7/25/2017 19:51	29.13	59.8	4.67	6.0
SR12	7/25/2017 1:56	28.75	67.4	5.21	5.4	SR12	7/25/2017 7:56	28.67	63.6	4.95	6.0	SR12	7/25/2017 13:56	29.35	72.4	5.60	7.8	SR12	7/25/2017 19:56	29.13	60.2	4.70	6.7
SR12	7/25/2017 2:01	28.72	66.1	5.12	5.1	SR12	7/25/2017 8:01	28.69	63.7	4.96	5.5	SR12	7/25/2017 14:01	29.38	74.3	5.75	7.7	SR12	7/25/2017 20:01	29.13	60.6	4.72	6.9
SR12	7/25/2017 2:06	28.73	65.9	5.10	5.4	SR12	7/25/2017 8:06	28.68	64.3	5.00	6.1	SR12	7/25/2017 14:06	29.43	74.3	5.74	7.6	SR12	7/25/2017 20:06	29.13	60.3	4.71	6.7
SR12	7/25/2017 2:11	28.73	67.2	5.19	4.4	SR12	7/25/2017 8:11	28.69	64.6	5.02	5.5	SR12	7/25/2017 14:11	29.46	74.4	5.76	7.5	SR12	7/25/2017 20:11	29.12	60.9	4.75	5.8
SR12	7/25/2017 2:16	28.73	67.2	5.20	5.4	SR12	7/25/2017 8:16	28.70	64.8	5.05	5.5	SR12	7/25/2017 14:16	29.43	73.7	5.71	7.4	SR12	7/25/2017 20:16	29.14	62.1	4.85	6.5
SR12	7/25/2017 2:21	28.75	67.5	5.22	5.0	SR12	7/25/2017 8:21	28.70	64.7	5.03	5.4	SR12	7/25/2017 14:21	29.36	73.4	5.70	7.9	SR12	7/25/2017 20:21	29.11	61.4	4.80	5.5
SR12	7/25/2017 2:26	28.74	67.6	5.22	4.6	SR12	7/25/2017 8:26	28.71	64.1	4.99	6.0	SR12	7/25/2017 14:26	29.28	71.5	5.55	7.5	SR12	7/25/2017 20:26	29.14	60.8	4.76	6.1
SR12	7/25/2017 2:31	28.74	66.9	5.18	5.1	SR12	7/25/2017 8:31	28.67	64.1	4.99	5.7	SR12	7/25/2017 14:31	29.19	71.7	5.56	7.7	SR12	7/25/2017 20:31	29.12	60.7	4.75	5.4
SR12	7/25/2017 2:36	28.73	66.4	5.14	5.9	SR12	7/25/2017 8:36	28.67	65.0	5.06	5.5	SR12	7/25/2017 14:36	29.19	71.0	5.52	7.1	SR12	7/25/2017 20:36	29.11	59.7	4.67	5.8
SR12	7/25/2017 2:41	28.74	65.3	5.06	5.2	SR12	7/25/2017 8:41	28.70	65.1	5.07	5.9	SR12	7/25/2017 14:41	29.18	69.9	5.45	7.0	SR12	7/25/2017 20:41	29.12	59.9	4.69	5.9
SR12	7/25/2017 2:46	28.69	65.2	5.05	4.6	SR12	7/25/2017 8:46	28.70	65.4	5.10	5.8	SR12	7/25/2017 14:46	29.16	72.3	5.63	7.0	SR12	7/25/2017 20:46	29.12	60.2	4.70	5.8
SR12	7/25/2017 2:51	28.71	64.8	5.02	5.7	SR12	7/25/2017 8:51	28.73	67.0	5.21	5.9	SR12	7/25/2017 14:51	29.14	69.7	5.43	7.6	SR12	7/25/2017 20:51	29.11	59.9	4.68	6.2
SR12	7/25/2017 2:56	28.70	64.9	5.03	5.1	SR12	7/25/2017 8:56	28.73	67.8	5.27	5.9	SR12	7/25/2017 14:56	29.16	70.5	5.49	7.9	SR12	7/25/2017 20:56	29.10	60.4	4.72	6.0
SR12	7/25/2017 3:01	28.71	65.5	5.08	4.7	SR12	7/25/2017 9:01	28.77	68.1	5.29	5.9	SR12	7/25/2017 15:01	29.20	71.1	5.52	7.7	SR12	7/25/2017 21:01	29.12	60.5	4.74	6.3
SR12	7/25/2017 3:06	28.72	65.7	5.09	5.0	SR12	7/25/2017 9:06	28.75	67.3	5.23	5.5	SR12	7/25/2017 15:06	29.18	70.2	5.46	6.6	SR12	7/25/2017 21:06	29.13	60.3	4.72	5.6
SR12	7/25/2017 3:11	28.73	65.7	5.10	5.3	SR12	7/25/2017 9:11	28.73	66.8	5.20	5.7	SR12	7/25/2017 15:11	29.22	70.1	5.45	7.1	SR12	7/25/2017 21:11	29.12	60.6	4.74	5.2
SR12	7/25/2017 3:16	28.70	65.8	5.10	5.6	SR12	7/25/2017 9:16	28.73	65.3	5.09	5.6	SR12	7/25/2017 15:16	29.20	70.9	5.50	6.8	SR12	7/25/2017 21:16	29.15	60.4	4.73	5.4
SR12	7/25/2017 3:21	28.72	66.4	5.15	5.1	SR12	7/25/2017 9:21	28.72	65.7	5.12	5.6	SR12	7/25/2017 15:21	29.26	72.5	5.61	8.3	SR12	7/25/2017 21:21	29.14	60.8	4.75	5.5
SR12	7/25/2017 3:26	28.71	66.1	5.13	4.7	SR12	7/25/2017 9:26	28.72	65.8	5.12	6.0	SR12	7/25/2017 15:26	29.34	71.6	5.55	8.1	SR12	7/25/2017 21:26	29.11	63.4	4.96	6.0
SR12	7/25/2017 3:31	28.76	66.2	5.15	5.4	SR12	7/25/2017 9:31	28.72	66.0	5.13	5.4	SR12	7/25/2017 15:31	29.30	69.8	5.42	6.9	SR12	7/25/2017 21:31	29.10	63.1	4.93	5.9
SR12	7/25/2017 3:36	28.76	66.8	5.18	6.1	SR12	7/25/2017 9:36	28.75	66.3	5.16	6.0	SR12	7/25/2017 15:36	29.26	69.2	5.38	7.5	SR12	7/25/2017 21:36	29.10	61.5	4.81	5.3
SR12	7/25/2017 3:41	28.76	66.9	5.20	5.5	SR12	7/25/2017 9:41	28.74	67.3	5.24	5.1	SR12	7/25/2017 15:41	29.15	68.1	5.30	7.7	SR12	7/25/2017 21:41	29.11	61.9	4.84	5.1
SR12	7/25/2017 3:46	28.74	66.7	5.18	5.1	SR12	7/25/2017 9:46	28.76	68.9	5.37	5.7	SR12	7/25/2017 15:46	29.15	68.5	5.33	6.6	SR12	7/25/2017 21:46	29.12	61.6	4.81	5.5
SR12	7/25/2017 3:51	28.72	66.4	5.15	5.1	SR12	7/25/2017 9:51	28.75	67.6	5.27	5.2	SR12	7/25/2017 15:51	29.18									

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	7/25/2017 0:00	28.33	69.1	5.36	6.6	SR13	7/25/2017 6:00	27.92	60.6	4.74	6.5	SR13	7/25/2017 12:00	28.88	72.2	5.74	7.5	SR13	7/25/2017 18:00	29.06	61.8	4.92	7.0
SR13	7/25/2017 0:05	28.33	68.9	5.33	7.3	SR13	7/25/2017 6:05	27.91	61.0	4.77	6.6	SR13	7/25/2017 12:05	28.85	72.1	5.73	7.8	SR13	7/25/2017 18:05	29.09	61.7	4.91	6.4
SR13	7/25/2017 0:10	28.33	68.8	5.33	7.7	SR13	7/25/2017 6:10	27.90	60.9	4.76	7.4	SR13	7/25/2017 12:10	28.83	73.0	5.81	7.1	SR13	7/25/2017 18:10	29.12	61.2	4.87	6.5
SR13	7/25/2017 0:15	28.31	68.8	5.33	7.1	SR13	7/25/2017 6:15	27.91	61.8	4.83	6.9	SR13	7/25/2017 12:15	28.87	72.9	5.80	6.8	SR13	7/25/2017 18:15	29.04	60.6	4.83	6.9
SR13	7/25/2017 0:20	28.29	68.9	5.34	7.4	SR13	7/25/2017 6:20	27.92	62.3	4.87	6.9	SR13	7/25/2017 12:20	28.87	72.5	5.78	6.9	SR13	7/25/2017 18:20	28.89	61.0	4.85	6.9
SR13	7/25/2017 0:25	28.27	69.4	5.38	7.0	SR13	7/25/2017 6:25	27.93	61.4	4.79	6.9	SR13	7/25/2017 12:25	28.86	73.6	5.86	7.9	SR13	7/25/2017 18:25	28.91	61.0	4.85	6.4
SR13	7/25/2017 0:30	28.26	69.5	5.39	7.1	SR13	7/25/2017 6:30	27.95	61.2	4.77	6.7	SR13	7/25/2017 12:30	28.90	74.4	5.92	7.5	SR13	7/25/2017 18:30	28.92	60.6	4.82	7.5
SR13	7/25/2017 0:35	28.25	69.4	5.38	7.0	SR13	7/25/2017 6:35	27.96	61.5	4.81	7.7	SR13	7/25/2017 12:35	28.91	74.4	5.91	7.3	SR13	7/25/2017 18:35	28.98	60.6	4.82	6.5
SR13	7/25/2017 0:40	28.24	69.4	5.38	6.5	SR13	7/25/2017 6:40	27.96	61.4	4.80	7.3	SR13	7/25/2017 12:40	28.96	73.9	5.89	7.6	SR13	7/25/2017 18:40	28.95	59.8	4.76	6.4
SR13	7/25/2017 0:45	28.24	70.1	5.43	6.7	SR13	7/25/2017 6:45	27.97	61.2	4.79	6.4	SR13	7/25/2017 12:45	28.97	71.9	5.70	7.2	SR13	7/25/2017 18:45	28.88	60.0	4.78	7.1
SR13	7/25/2017 0:50	28.23	70.4	5.46	7.1	SR13	7/25/2017 6:50	27.98	61.2	4.79	6.8	SR13	7/25/2017 12:50	28.96	72.9	5.78	7.3	SR13	7/25/2017 18:50	28.83	59.5	4.74	6.5
SR13	7/25/2017 0:55	28.22	70.5	5.47	7.0	SR13	7/25/2017 6:55	28.00	60.9	4.77	7.3	SR13	7/25/2017 12:55	29.28	72.5	5.75	7.1	SR13	7/25/2017 18:55	28.84	59.2	4.72	7.2
SR13	7/25/2017 1:00	28.20	70.6	5.47	7.3	SR13	7/25/2017 7:00	28.02	61.2	4.78	6.9	SR13	7/25/2017 13:00	29.22	72.9	5.80	7.1	SR13	7/25/2017 19:00	28.81	58.8	4.69	6.9
SR13	7/25/2017 1:05	28.15	71.0	5.51	7.0	SR13	7/25/2017 7:05	28.04	61.5	4.81	7.1	SR13	7/25/2017 13:05	29.15	70.6	5.62	6.7	SR13	7/25/2017 19:05	28.88	58.7	4.63	7.2
SR13	7/25/2017 1:10	28.11	70.5	5.47	6.8	SR13	7/25/2017 7:10	28.05	61.5	4.81	7.4	SR13	7/25/2017 13:10	29.18	70.3	5.60	7.0	SR13	7/25/2017 19:10	28.90	58.0	4.62	6.1
SR13	7/25/2017 1:15	28.08	70.4	5.46	7.6	SR13	7/25/2017 7:15	28.06	61.8	4.84	6.8	SR13	7/25/2017 13:15	29.09	71.0	5.65	7.2	SR13	7/25/2017 19:15	28.91	57.8	4.60	6.8
SR13	7/25/2017 1:20	28.06	70.8	5.49	6.8	SR13	7/25/2017 7:20	28.07	61.8	4.83	7.5	SR13	7/25/2017 13:20	29.04	69.4	5.53	7.4	SR13	7/25/2017 19:20	28.89	58.4	4.65	5.9
SR13	7/25/2017 1:25	28.05	71.2	5.53	7.2	SR13	7/25/2017 7:25	28.07	61.5	4.81	7.6	SR13	7/25/2017 13:25	29.03	68.0	5.42	7.4	SR13	7/25/2017 19:25	28.85	57.4	4.58	7.1
SR13	7/25/2017 1:30	28.05	71.4	5.54	7.0	SR13	7/25/2017 7:30	28.08	60.7	4.75	7.1	SR13	7/25/2017 13:30	29.09	69.2	5.50	6.9	SR13	7/25/2017 19:30	28.85	56.6	4.51	7.0
SR13	7/25/2017 1:35	28.04	71.1	5.52	7.6	SR13	7/25/2017 7:35	28.08	61.1	4.77	7.8	SR13	7/25/2017 13:35	29.11	69.9	5.54	7.3	SR13	7/25/2017 19:35	28.84	56.0	4.46	6.7
SR13	7/25/2017 1:40	27.98	71.5	5.55	6.7	SR13	7/25/2017 7:40	28.08	61.3	4.79	7.8	SR13	7/25/2017 13:40	29.09	70.4	5.58	6.8	SR13	7/25/2017 19:40	28.81	56.5	4.50	6.5
SR13	7/25/2017 1:45	28.00	71.8	5.58	7.2	SR13	7/25/2017 7:45	28.08	61.1	4.78	7.2	SR13	7/25/2017 13:45	29.11	70.4	5.57	6.7	SR13	7/25/2017 19:45	28.80	56.4	4.48	7.4
SR13	7/25/2017 1:50	28.01	67.7	5.26	7.3	SR13	7/25/2017 7:50	28.08	61.6	4.81	6.8	SR13	7/25/2017 13:50	29.17	70.2	5.55	7.2	SR13	7/25/2017 19:50	28.81	56.2	4.48	6.3
SR13	7/25/2017 1:55	28.03	67.9	5.28	6.7	SR13	7/25/2017 7:55	28.09	62.0	4.84	7.9	SR13	7/25/2017 13:55	29.13	72.1	5.70	7.3	SR13	7/25/2017 19:55	28.80	56.4	4.49	6.6
SR13	7/25/2017 2:00	28.01	65.4	5.10	6.6	SR13	7/25/2017 8:00	28.08	62.1	4.85	7.3	SR13	7/25/2017 14:00	29.15	73.8	5.84	7.5	SR13	7/25/2017 20:00	28.78	56.9	4.53	5.7
SR13	7/25/2017 2:05	28.01	65.6	5.11	7.3	SR13	7/25/2017 8:05	28.06	62.3	4.87	6.9	SR13	7/25/2017 14:05	29.19	74.8	5.90	7.1	SR13	7/25/2017 20:05	28.77	56.7	4.52	5.1
SR13	7/25/2017 2:10	28.00	66.2	5.15	7.4	SR13	7/25/2017 8:10	28.05	62.3	4.86	8.1	SR13	7/25/2017 14:10	29.17	75.1	5.93	7.1	SR13	7/25/2017 20:10	28.76	57.3	4.56	6.3
SR13	7/25/2017 2:15	27.99	66.0	5.14	6.6	SR13	7/25/2017 8:15	28.04	63.1	4.93	8.4	SR13	7/25/2017 14:15	29.02	74.3	5.87	7.4	SR13	7/25/2017 20:15	28.75	57.8	4.60	6.0
SR13	7/25/2017 2:20	27.97	66.5	5.18	7.2	SR13	7/25/2017 8:20	28.04	62.9	4.91	10.1	SR13	7/25/2017 14:20	28.96	73.6	5.83	7.7	SR13	7/25/2017 20:20	28.75	58.2	4.64	6.6
SR13	7/25/2017 2:25	27.95	66.3	5.16	6.8	SR13	7/25/2017 8:25	28.03	62.7	4.90	9.5	SR13	7/25/2017 14:25	28.91	71.0	5.63	7.0	SR13	7/25/2017 20:25	28.76	57.4	4.58	5.9
SR13	7/25/2017 2:30	27.95	66.0	5.14	6.8	SR13	7/25/2017 8:30	28.03	62.7	4.90	9.4	SR13	7/25/2017 14:30	28.83	70.3	5.58	7.5	SR13	7/25/2017 20:30	28.78	57.2	4.57	6.9
SR13	7/25/2017 2:35	27.95	65.5	5.10	6.9	SR13	7/25/2017 8:35	28.04	63.7	4.97	8.9	SR13	7/25/2017 14:35	28.89	70.4	5.59	7.0	SR13	7/25/2017 20:35	28.79	56.8	4.53	6.0
SR13	7/25/2017 2:40	27.96	64.2	5.00	7.0	SR13	7/25/2017 8:40	28.07	63.8	4.99	8.4	SR13	7/25/2017 14:40	28.88	69.3	5.52	7.2	SR13	7/25/2017 20:40	28.80	57.1	4.56	6.0
SR13	7/25/2017 2:45	27.95	64.0	4.99	7.7	SR13	7/25/2017 8:45	28.09	64.4	5.03	8.5	SR13	7/25/2017 14:45	28.80	70.4	5.60	7.1	SR13	7/25/2017 20:45	28.80	57.1	4.55	6.3
SR13	7/25/2017 2:50	27.96	63.7	4.97	6.9	SR13	7/25/2017 8:50	28.13	66.5	5.19	8.6	SR13	7/25/2017 14:50	28.95	68.5	5.46	6.9	SR13	7/25/2017 20:50	28.79	57.2	4.56	6.3
SR13	7/25/2017 2:55	27.99	64.2	5.00	6.8	SR13	7/25/2017 8:55	28.15	66.6	5.20	8.2	SR13	7/25/2017 14:55	29.13	69.6	5.54	7.2	SR13	7/25/2017 20:55	28.79	57.3	4.57	6.7
SR13	7/25/2017 3:00	28.01	64.2	5.01	7.6	SR13	7/25/2017 9:00	28.19	67.4	5.25	7.9	SR13	7/25/2017 15:00	29.20	69.9	5.55	6.7	SR13	7/25/2017 21:00	28.78	56.9	4.54	6.6
SR13	7/25/2017 3:05	28.02	64.7	5.04	7.1	SR13	7/25/2017 9:05	28.25	66.5	5.19	8.9	SR13	7/25/2017 15:05	29.14	69.4	5.52	7.5	SR13	7/25/2017 21:05	28.77	56.7	4.52	5.7
SR13	7/25/2017 3:10	27.96	64.7	5.05	7.1	SR13	7/25/2017 9:10	28.25	65.9	5.14	7.2	SR13	7/25/2017 15:10	29.05	69.1	5.49	7.8	SR13	7/25/2017 21:10	28.75	56.5	4.50	6.0
SR13	7/25/2017 3:15	27.96	65.0	5.06	7.4	SR13	7/25/2017 9:15	28.26	64.9	5.07	8.0	SR13	7/25/2017 15:15	28.88	69.2	5.49	6.8	SR13	7/25/2017 21:15	28.75	57.1	4.56	6.4
SR13	7/25/2017 3:20	27.94	65.3	5.09	7.1	SR13	7/25/2017 9:20	28.24	65.1	5.08	7.5	SR13	7/25/2017 15:20	28.78	70.4	5.57	6.7	SR13	7/25/2017 21:20	28.76	56.7	4.52	6.1
SR13	7/25/2017 3:25	27.93	65.2	5.08	7.1	SR13	7/25/2017 9:25	28.21	64.8	5.06	8.2	SR13	7/25/2017 15:25	28.73	71.0	5.62	7.2	SR13	7/25/2017 21:25	28.77	59.1	4.72	5.8
SR13	7/25/2017 3:30	27.92	65.7	5.13	6.9	SR13	7/25/2017 9:30	28.22	65.2	5.09	8.4	SR13	7/25/2017 15:30	28.84	68.6	5.44	6.8	SR13	7/25/2017 21:30	28.78	59.0	4.70	6.9
SR13	7/25/2017 3:35	27.92	66.2	5.16	6.6	SR13	7/25/2017 9:35	28.20	66.1	5.16	8.3	SR13	7/25/2017 15:35	28.89	67.6	5.36	7.2	SR13	7/25/2017 21:35	28.79	58.3	4.65	6.6
SR13	7/25/2017 3:40	27.92	66.4	5.18	7.5	SR13	7/25/2017 9:40	28.19	66.4	5.18	7.7	SR13	7/25/2017 15:40	28.92	66.6	5.30	7.0	SR13	7/25/2017 21:40	28.80	58.2	4.64	6.7
SR13	7/25/2017 3:45	27.88	66.4	5.18	6.9	SR13	7/25/2017 9:45	28.14	67.6	5.28	8.2	SR13	7/25/2017 15:45	29.04	66.6	5.30	7.0	SR13	7/25/2017 21:45	28.79	58.3	4.64	6.2
SR13	7/25/2017 3:50	27.87	65.7	5.12	7.3	SR13	7/25/2017 9:50	28.14	66.6	5.20	7.5	SR13	7/25/2017 15:50	29.16	66.6	5.30	7.6</						

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	7/25/2017 0:17	0.14				SR12	7/25/2017 0:17	0.16			
SR4	7/25/2017 0:37	0.14				SR12	7/25/2017 0:37	0.18			
SR4	7/25/2017 0:57	0.12				SR12	7/25/2017 0:57	0.17			
SR4	7/25/2017 1:17	0.12				SR12	7/25/2017 1:17	0.18			
SR4	7/25/2017 1:37	0.12				SR12	7/25/2017 1:37	0.14			
SR4	7/25/2017 1:57	0.13				SR12	7/25/2017 1:57	0.15			
SR4	7/25/2017 2:17	0.12				SR12	7/25/2017 2:17	0.18			
SR4	7/25/2017 2:37	0.13				SR12	7/25/2017 2:37	0.18			
SR4	7/25/2017 2:57	0.13				SR12	7/25/2017 2:57	0.18			
SR4	7/25/2017 3:17	0.14				SR12	7/25/2017 3:17	0.16			
SR4	7/25/2017 3:37	0.13				SR12	7/25/2017 3:37	0.17			
SR4	7/25/2017 3:57	0.13				SR12	7/25/2017 3:57	0.17			
SR4	7/25/2017 4:17	0.12				SR12	7/25/2017 4:17	0.14			
SR4	7/25/2017 4:37	0.14				SR12	7/25/2017 4:37	0.15			
SR4	7/25/2017 4:57	0.14				SR12	7/25/2017 4:57	0.15			
SR4	7/25/2017 5:17	0.12				SR12	7/25/2017 5:17	0.14			
SR4	7/25/2017 5:37	0.14				SR12	7/25/2017 5:37	0.15			
SR4	7/25/2017 5:57	0.12				SR12	7/25/2017 5:57	0.15			
SR4						SR12					
SR4	7/25/2017 6:37	0.13				SR12	7/25/2017 6:37	0.17			
SR4	7/25/2017 6:57	0.13				SR12	7/25/2017 6:57	0.14			
SR4	7/25/2017 7:17	0.12				SR12	7/25/2017 7:17	0.17			
SR4	7/25/2017 7:37	0.13				SR12	7/25/2017 7:37	0.18			
SR4	7/25/2017 7:57	0.13				SR12	7/25/2017 7:57	0.17			
SR4	7/25/2017 8:17	0.13				SR12	7/25/2017 8:17	0.16			
SR4	7/25/2017 8:37	0.12				SR12	7/25/2017 8:37	0.14			
SR4	7/25/2017 8:57	0.13				SR12	7/25/2017 8:57	0.14			
SR4	7/25/2017 9:17	0.14				SR12	7/25/2017 9:17	0.17			
SR4	7/25/2017 9:37	0.13				SR12	7/25/2017 9:37	0.17			
SR4	7/25/2017 9:57	0.14				SR12	7/25/2017 9:57	0.15			
SR4	7/25/2017 10:17	0.13				SR12	7/25/2017 10:17	0.18			
SR4	7/25/2017 10:37	0.13				SR12	7/25/2017 10:37	0.18			
SR4	7/25/2017 10:57	0.13				SR12	7/25/2017 10:57	0.18			
SR4	7/25/2017 11:17	0.14				SR12	7/25/2017 11:17	0.17			
SR4	7/25/2017 11:37	0.13				SR12	7/25/2017 11:37	0.17			
SR4	7/25/2017 11:57	0.13				SR12	7/25/2017 11:57	0.14			
SR4	7/25/2017 12:17	0.13				SR12	7/25/2017 12:17	0.16			
SR4	7/25/2017 12:37	0.14				SR12	7/25/2017 12:37	0.16			
SR4	7/25/2017 12:57	0.14				SR12	7/25/2017 12:57	0.14			
SR4	7/25/2017 13:17	0.14				SR12	7/25/2017 13:17	0.16			
SR4	7/25/2017 13:37	0.14				SR12	7/25/2017 13:37	0.15			
SR4	7/25/2017 13:57	0.14				SR12	7/25/2017 13:57	0.14			
SR4	7/25/2017 14:17	0.12				SR12	7/25/2017 14:17	0.17			
SR4	7/25/2017 14:37	0.12				SR12	7/25/2017 14:37	0.18			
SR4	7/25/2017 14:57	0.14				SR12	7/25/2017 14:57	0.14			
SR4	7/25/2017 15:17	0.13				SR12	7/25/2017 15:17	0.16			
SR4	7/25/2017 15:37	0.14				SR12	7/25/2017 15:37	0.15			
SR4	7/25/2017 15:57	0.12				SR12	7/25/2017 15:57	0.14			
SR4	7/25/2017 16:17	0.12				SR12	7/25/2017 16:17	0.17			
SR4	7/25/2017 16:37	0.13				SR12	7/25/2017 16:37	0.18			
SR4	7/25/2017 16:57	0.13				SR12	7/25/2017 16:57	0.15			
SR4	7/25/2017 17:17	0.14				SR12	7/25/2017 17:17	0.16			
SR4	7/25/2017 17:37	0.12				SR12	7/25/2017 17:37	0.17			
SR4	7/25/2017 17:57	0.12				SR12	7/25/2017 17:57	0.18			
SR4	7/25/2017 18:17	0.14				SR12	7/25/2017 18:17	0.15			
SR4	7/25/2017 18:37	0.12				SR12	7/25/2017 18:37	0.15			
SR4	7/25/2017 18:57	0.12				SR12	7/25/2017 18:57	0.17			
SR4	7/25/2017 19:17	0.14				SR12	7/25/2017 19:17	0.18			
SR4	7/25/2017 19:37	0.12				SR12	7/25/2017 19:37	0.18			
SR4	7/25/2017 19:57	0.15				SR12	7/25/2017 19:57	0.18			
SR4	7/25/2017 20:17	0.16				SR12	7/25/2017 20:17	0.15			
SR4	7/25/2017 20:37	0.11				SR12	7/25/2017 20:37	0.16			
SR4	7/25/2017 20:57	0.13				SR12	7/25/2017 20:57	0.16			
SR4	7/25/2017 21:17	0.16				SR12	7/25/2017 21:17	0.16			
SR4	7/25/2017 21:37	0.14				SR12	7/25/2017 21:37	0.18			
SR4	7/25/2017 21:57	0.16				SR12	7/25/2017 21:57	0.14			
SR4	7/25/2017 22:17	0.15				SR12	7/25/2017 22:17	0.18			
SR4	7/25/2017 22:37	0.15				SR12	7/25/2017 22:37	0.15			
SR4	7/25/2017 22:57	0.12				SR12	7/25/2017 22:57	0.14			
SR4	7/25/2017 23:17	0.14				SR12	7/25/2017 23:17	0.16			
SR4	7/25/2017 23:37	0.16				SR12	7/25/2017 23:37	0.18			
SR4	7/25/2017 23:57	0.13				SR12	7/25/2017 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.  
SR5 monitoring station was under maintenance during 10:00-10:20.



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	7/26/2017 0:01	28.88	67.2	5.16	7.3	SR4	7/26/2017 6:01	28.59	59.5	4.60	5.9	SR4	7/26/2017 12:01	29.44	70.7	5.36	5.4	SR4	7/26/2017 18:01	29.62	65.2	4.97	6.6
SR4	7/26/2017 0:06	28.88	66.8	5.14	6.9	SR4	7/26/2017 6:06	28.57	59.7	4.62	5.6	SR4	7/26/2017 12:06	29.45	70.5	5.34	6.2	SR4	7/26/2017 18:06	29.61	65.9	5.03	5.3
SR4	7/26/2017 0:11	28.88	67.9	5.22	6.5	SR4	7/26/2017 6:11	28.57	58.8	4.55	5.3	SR4	7/26/2017 12:11	29.45	71.2	5.39	5.3	SR4	7/26/2017 18:11	29.61	65.2	4.98	5.4
SR4	7/26/2017 0:16	28.88	66.8	5.13	6.6	SR4	7/26/2017 6:16	28.57	59.0	4.57	6.2	SR4	7/26/2017 12:16	29.45	69.0	5.25	6.9	SR4	7/26/2017 18:16	29.62	64.1	4.89	5.7
SR4	7/26/2017 0:21	28.88	66.8	5.13	5.6	SR4	7/26/2017 6:21	28.57	59.9	4.64	5.5	SR4	7/26/2017 12:21	29.46	70.1	5.33	5.6	SR4	7/26/2017 18:21	29.70	63.9	4.88	5.8
SR4	7/26/2017 0:26	28.87	67.9	5.22	6.4	SR4	7/26/2017 6:26	28.58	59.1	4.58	6.1	SR4	7/26/2017 12:26	29.50	70.8	5.37	6.5	SR4	7/26/2017 18:26	29.69	62.8	4.80	6.1
SR4	7/26/2017 0:31	28.88	66.4	5.10	5.8	SR4	7/26/2017 6:31	28.58	58.9	4.56	5.8	SR4	7/26/2017 12:31	29.66	71.7	5.44	6.1	SR4	7/26/2017 18:31	29.71	63.6	4.86	5.9
SR4	7/26/2017 0:36	28.87	67.9	5.22	6.3	SR4	7/26/2017 6:36	28.57	59.1	4.59	6.5	SR4	7/26/2017 12:36	29.76	72.6	5.48	5.2	SR4	7/26/2017 18:36	29.66	62.9	4.80	5.3
SR4	7/26/2017 0:41	28.86	68.3	5.25	5.4	SR4	7/26/2017 6:41	28.56	59.5	4.62	6.2	SR4	7/26/2017 12:41	29.73	72.1	5.45	5.7	SR4	7/26/2017 18:41	29.68	63.3	4.83	5.3
SR4	7/26/2017 0:46	28.86	68.9	5.31	5.8	SR4	7/26/2017 6:46	28.56	59.7	4.63	6.4	SR4	7/26/2017 12:46	29.69	73.5	5.54	6.7	SR4	7/26/2017 18:46	29.69	63.2	4.83	6.7
SR4	7/26/2017 0:51	28.86	68.4	5.27	5.8	SR4	7/26/2017 6:51	28.53	59.9	4.65	5.6	SR4	7/26/2017 12:51	29.68	73.1	5.53	6.0	SR4	7/26/2017 18:51	29.73	63.2	4.83	2.9
SR4	7/26/2017 0:56	28.86	67.8	5.22	6.6	SR4	7/26/2017 6:56	28.52	59.4	4.61	5.9	SR4	7/26/2017 12:56	29.68	72.9	5.55	6.5	SR4	7/26/2017 18:56	29.74	63.6	4.85	4.1
SR4	7/26/2017 1:01	28.87	70.0	5.39	5.3	SR4	7/26/2017 7:01	28.53	59.1	4.58	6.3	SR4	7/26/2017 13:01	29.66	72.8	5.58	6.6	SR4	7/26/2017 19:01	29.71	64.3	4.91	6.4
SR4	7/26/2017 1:06	28.88	69.3	5.33	6.1	SR4	7/26/2017 7:06	28.56	59.3	4.59	5.7	SR4	7/26/2017 13:06	29.60	73.0	5.58	5.2	SR4	7/26/2017 19:06	29.71	63.9	4.88	5.6
SR4	7/26/2017 1:11	28.87	68.7	5.29	6.4	SR4	7/26/2017 7:11	28.57	59.9	4.64	5.2	SR4	7/26/2017 13:11	29.59	72.1	5.51	6.7	SR4	7/26/2017 19:11	29.71	65.2	4.98	5.8
SR4	7/26/2017 1:16	28.87	68.9	5.31	5.8	SR4	7/26/2017 7:16	28.58	60.4	4.68	5.6	SR4	7/26/2017 13:16	29.63	72.3	5.52	6.6	SR4	7/26/2017 19:16	29.72	65.2	4.98	5.4
SR4	7/26/2017 1:21	28.86	68.4	5.27	5.4	SR4	7/26/2017 7:21	28.59	60.4	4.68	6.3	SR4	7/26/2017 13:21	29.77	70.8	5.37	6.4	SR4	7/26/2017 19:21	29.73	64.5	4.92	5.7
SR4	7/26/2017 1:26	28.86	68.5	5.27	5.6	SR4	7/26/2017 7:26	28.58	60.0	4.65	5.2	SR4	7/26/2017 13:26	29.93	68.0	5.15	5.8	SR4	7/26/2017 19:26	29.74	65.8	5.01	6.4
SR4	7/26/2017 1:31	28.85	69.3	5.33	6.7	SR4	7/26/2017 7:31	28.56	59.7	4.62	5.6	SR4	7/26/2017 13:31	29.95	70.1	5.32	6.7	SR4	7/26/2017 19:31	29.74	65.7	5.00	5.2
SR4	7/26/2017 1:36	28.84	68.6	5.27	5.4	SR4	7/26/2017 7:36	28.53	60.9	4.71	6.1	SR4	7/26/2017 13:36	29.83	68.2	5.19	6.2	SR4	7/26/2017 19:36	29.73	66.3	5.05	6.7
SR4	7/26/2017 1:41	28.83	69.7	5.36	6.8	SR4	7/26/2017 7:41	28.55	60.6	4.68	5.9	SR4	7/26/2017 13:41	29.74	65.6	4.99	5.5	SR4	7/26/2017 19:41	29.74	65.8	5.01	6.9
SR4	7/26/2017 1:46	28.78	70.4	5.41	6.1	SR4	7/26/2017 7:46	28.57	60.4	4.66	6.1	SR4	7/26/2017 13:46	29.74	67.3	5.13	6.6	SR4	7/26/2017 19:46	29.78	65.9	5.02	5.9
SR4	7/26/2017 1:51	28.72	70.1	5.39	5.7	SR4	7/26/2017 7:51	28.59	61.4	4.75	5.3	SR4	7/26/2017 13:51	29.72	68.4	5.21	6.6	SR4	7/26/2017 19:51	29.78	65.9	5.02	5.9
SR4	7/26/2017 1:56	28.69	70.2	5.39	5.7	SR4	7/26/2017 7:56	28.64	61.5	4.75	6.5	SR4	7/26/2017 13:56	29.70	67.4	5.13	5.2	SR4	7/26/2017 19:56	29.75	66.4	5.05	6.6
SR4	7/26/2017 2:01	28.67	69.7	5.36	5.6	SR4	7/26/2017 8:01	28.68	61.8	4.77	6.3	SR4	7/26/2017 14:01	29.64	65.8	5.02	5.6	SR4	7/26/2017 20:01	29.77	66.6	5.08	5.9
SR4	7/26/2017 2:06	28.67	70.3	5.40	6.7	SR4	7/26/2017 8:06	28.71	62.4	4.80	6.7	SR4	7/26/2017 14:06	29.64	66.9	5.11	6.9	SR4	7/26/2017 20:06	29.77	66.2	5.05	5.5
SR4	7/26/2017 2:11	28.68	67.6	5.21	5.6	SR4	7/26/2017 8:11	28.73	62.1	4.78	6.9	SR4	7/26/2017 14:11	29.68	67.3	5.15	5.8	SR4	7/26/2017 20:11	29.80	64.9	4.95	6.4
SR4	7/26/2017 2:16	28.66	65.0	5.02	2.2	SR4	7/26/2017 8:16	28.75	59.8	4.62	6.3	SR4	7/26/2017 14:16	29.73	68.1	5.20	5.9	SR4	7/26/2017 20:16	29.80	66.2	5.05	5.6
SR4	7/26/2017 2:21	28.62	65.7	5.07	5.3	SR4	7/26/2017 8:21	28.76	60.1	4.63	5.2	SR4	7/26/2017 14:21	29.76	68.4	5.21	5.3	SR4	7/26/2017 20:21	29.78	65.2	4.98	6.5
SR4	7/26/2017 2:26	28.63	64.7	4.99	6.2	SR4	7/26/2017 8:26	28.77	61.9	4.76	5.2	SR4	7/26/2017 14:26	29.78	67.0	5.10	6.4	SR4	7/26/2017 20:26	29.80	64.1	4.89	6.9
SR4	7/26/2017 2:31	28.66	64.0	4.94	6.7	SR4	7/26/2017 8:31	28.76	61.9	4.75	6.2	SR4	7/26/2017 14:31	29.85	66.2	5.04	6.7	SR4	7/26/2017 20:31	29.80	63.8	4.87	6.8
SR4	7/26/2017 2:36	28.67	62.5	4.83	5.7	SR4	7/26/2017 8:36	28.77	63.6	4.88	6.1	SR4	7/26/2017 14:36	29.94	66.6	5.06	6.1	SR4	7/26/2017 20:36	29.78	64.1	4.89	6.1
SR4	7/26/2017 2:41	28.68	62.6	4.84	5.8	SR4	7/26/2017 8:41	28.78	62.7	4.83	5.3	SR4	7/26/2017 14:41	29.95	68.5	5.19	6.1	SR4	7/26/2017 20:41	29.79	63.5	4.84	6.7
SR4	7/26/2017 2:46	28.68	61.1	4.72	6.0	SR4	7/26/2017 8:46	28.79	60.5	4.66	6.8	SR4	7/26/2017 14:46	29.91	69.5	5.27	5.9	SR4	7/26/2017 20:46	29.80	64.2	4.89	6.6
SR4	7/26/2017 2:51	28.66	61.6	4.76	5.3	SR4	7/26/2017 8:51	28.81	61.3	4.73	6.9	SR4	7/26/2017 14:51	29.73	69.4	5.28	6.0	SR4	7/26/2017 20:51	29.84	64.4	4.91	6.3
SR4	7/26/2017 2:56	28.64	62.5	4.82	5.2	SR4	7/26/2017 8:56	28.82	61.1	4.71	6.4	SR4	7/26/2017 14:56	29.53	72.0	5.47	6.3	SR4	7/26/2017 20:56	29.82	62.7	4.78	6.1
SR4	7/26/2017 3:01	28.63	63.4	4.89	6.4	SR4	7/26/2017 9:01	28.82	61.8	4.77	5.6	SR4	7/26/2017 15:01	29.41	72.0	5.47	6.5	SR4	7/26/2017 21:01	29.81	62.5	4.76	6.5
SR4	7/26/2017 3:06	28.62	64.2	4.95	6.6	SR4	7/26/2017 9:06	28.83	61.4	4.74	5.2	SR4	7/26/2017 15:06	29.50	71.6	5.45	5.3	SR4	7/26/2017 21:06	29.82	62.8	4.79	6.6
SR4	7/26/2017 3:11	28.61	62.6	4.84	6.9	SR4	7/26/2017 9:11	28.82	59.5	4.59	5.6	SR4	7/26/2017 15:11	29.56	71.4	5.43	5.8	SR4	7/26/2017 21:11	29.82	62.3	4.75	5.8
SR4	7/26/2017 3:16	28.60	61.7	4.78	6.0	SR4	7/26/2017 9:16	28.84	61.2	4.72	6.1	SR4	7/26/2017 15:16	29.68	72.2	5.48	6.4	SR4	7/26/2017 21:16	29.81	62.5	4.77	5.8
SR4	7/26/2017 3:21	28.58	61.3	4.75	5.3	SR4	7/26/2017 9:21	28.89	61.2	4.72	6.6	SR4	7/26/2017 15:21	29.72	70.8	5.38	5.7	SR4	7/26/2017 21:21	29.81	62.8	4.79	6.0
SR4	7/26/2017 3:26	28.56	60.6	4.69	6.7	SR4	7/26/2017 9:26	28.93	63.1	4.86	6.2	SR4	7/26/2017 15:26	29.85	69.5	5.29	5.3	SR4	7/26/2017 21:26	29.82	62.6	4.77	5.4
SR4	7/26/2017 3:31	28.55	60.8	4.71	6.8	SR4	7/26/2017 9:31	28.96	62.8	4.84	6.8	SR4	7/26/2017 15:31	29.89	68.3	5.20	5.4	SR4	7/26/2017 21:31	29.82	61.1	4.66	6.6
SR4	7/26/2017 3:36	28.54	60.6	4.69	5.4	SR4	7/26/2017 9:36	28.96	62.7	4.83	6.0	SR4	7/26/2017 15:36	29.85	74.4	5.60	5.9	SR4	7/26/2017 21:36	29.82	61.4	4.68	6.4
SR4	7/26/2017 3:41	28.53	60.5	4.68	5.5	SR4	7/26/2017 9:41	28.97	64.6	4.96	5.4	SR4	7/26/2017 15:41	29.87	74.0	5.56	6.6	SR4	7/26/2017 21:41	29.86	62.0	4.73	6.9
SR4	7/26/2017 3:46	28.54	60.2	4.66	6.5	SR4	7/26/2017 9:46	28.99	63.4	4.88	6.6	SR4	7/26/2017 15:46	29.94	70.8	5.39	6.0	SR4	7/26/2017 21:46	29.86	61.2	4.67	6.9
SR4	7/26/2017 3:51	28.54	61.3	4.74	5.4	SR4	7/26/2017 9:51	29.07	63.6	4.89	6.0	SR4	7/26/2017 15:51	29.92	74.4	5.61	5.6	SR4	7/26/2017 21:51	29.86	62.3	4.75	6.7
SR4	7/26/2017 3:56	28.54	62.3	4.82	6.1	SR4	7/26/2017 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	7/26/2017 0:00	29.55	69.6	5.31	5.5	SR5	7/26/2017 6:00	29.34	68.6	5.24	4.9	SR5	7/26/2017 12:00	29.46	71.6	5.45	4.4	SR5	7/26/2017 18:00	29.91	68.6	5.24	5.3
SR5	7/26/2017 0:05	29.56	70.6	5.39	5.5	SR5	7/26/2017 6:05	29.33	68.8	5.25	4.8	SR5	7/26/2017 12:05	29.48	71.4	5.43	4.9	SR5	7/26/2017 18:05	29.93	69.4	5.30	4.8
SR5	7/26/2017 0:10	29.52	65.9	5.25	5.2	SR5	7/26/2017 6:10	29.30	70.1	5.35	4.6	SR5	7/26/2017 12:10	29.49	71.2	5.42	4.2	SR5	7/26/2017 18:10	29.92	69.4	5.30	5.1
SR5	7/26/2017 0:15	29.50	69.6	5.31	5.3	SR5	7/26/2017 6:15	29.31	69.0	5.27	4.9	SR5	7/26/2017 12:15	29.50	71.0	5.40	4.9	SR5	7/26/2017 18:15	29.93	69.4	5.30	5.2
SR5	7/26/2017 0:20	29.51	69.6	5.31	4.9	SR5	7/26/2017 6:20	29.34	68.9	5.26	4.6	SR5	7/26/2017 12:20	29.52	70.8	5.39	4.4	SR5	7/26/2017 18:20	29.98	69.4	5.30	5.2
SR5	7/26/2017 0:25	29.54	70.6	5.39	5.1	SR5	7/26/2017 6:25	29.33	69.7	5.32	5.0	SR5	7/26/2017 12:25	29.54	70.7	5.37	4.9	SR5	7/26/2017 18:25	29.96	70.5	5.38	5.4
SR5	7/26/2017 0:30	29.53	65.1	5.18	4.8	SR5	7/26/2017 6:30	29.29	69.3	5.29	4.7	SR5	7/26/2017 12:30	29.53	70.5	5.35	4.7	SR5	7/26/2017 18:30	29.96	68.4	5.22	5.1
SR5	7/26/2017 0:35	29.55	65.5	5.22	5.0	SR5	7/26/2017 6:35	29.29	68.5	5.23	5.0	SR5	7/26/2017 12:35	29.58	70.0	5.31	4.1	SR5	7/26/2017 18:35	30.00	70.1	5.35	4.8
SR5	7/26/2017 0:40	29.53	65.7	5.22	4.6	SR5	7/26/2017 6:40	29.32	68.8	5.25	4.8	SR5	7/26/2017 12:40	29.57	69.9	5.29	4.4	SR5	7/26/2017 18:40	30.02	68.8	5.25	4.7
SR5	7/26/2017 0:45	29.49	65.8	5.25	4.8	SR5	7/26/2017 6:45	29.31	70.1	5.35	4.9	SR5	7/26/2017 12:45	29.63	69.7	5.30	4.8	SR5	7/26/2017 18:45	30.01	70.6	5.39	5.4
SR5	7/26/2017 0:50	29.49	65.9	5.23	5.0	SR5	7/26/2017 6:50	29.29	68.5	5.23	4.7	SR5	7/26/2017 12:50	29.61	69.3	5.28	4.6	SR5	7/26/2017 18:50	30.05	70.5	5.38	3.3
SR5	7/26/2017 0:55	29.51	65.8	5.23	5.3	SR5	7/26/2017 6:55	29.32	68.9	5.26	4.7	SR5	7/26/2017 12:55	29.63	68.9	5.27	4.8	SR5	7/26/2017 18:55	30.05	68.8	5.25	3.8
SR5	7/26/2017 1:00	29.53	66.5	5.31	4.6	SR5	7/26/2017 7:00	29.28	69.3	5.29	4.9	SR5	7/26/2017 13:00	29.65	68.6	5.25	5.0	SR5	7/26/2017 19:00	30.05	69.4	5.30	5.2
SR5	7/26/2017 1:05	29.51	66.2	5.27	5.0	SR5	7/26/2017 7:05	29.29	68.4	5.22	4.7	SR5	7/26/2017 13:05	29.68	68.5	5.23	4.1	SR5	7/26/2017 19:05	30.02	69.7	5.32	4.6
SR5	7/26/2017 1:10	29.51	66.2	5.26	5.1	SR5	7/26/2017 7:10	29.29	69.6	5.31	1.4	SR5	7/26/2017 13:10	29.69	68.3	5.21	4.8	SR5	7/26/2017 19:10	30.07	69.6	5.31	4.7
SR5	7/26/2017 1:15	29.51	66.1	5.25	5.0	SR5	7/26/2017 7:15	29.28	68.8	5.25	4.6	SR5	7/26/2017 13:15	29.69	70.6	5.39	4.8	SR5	7/26/2017 19:15	30.03	69.4	5.30	4.4
SR5	7/26/2017 1:20	29.50	66.0	5.26	4.8	SR5	7/26/2017 7:20	29.30	70.6	5.39	5.1	SR5	7/26/2017 13:20	29.71	69.3	5.29	4.7	SR5	7/26/2017 19:20	30.07	70.0	5.34	4.7
SR5	7/26/2017 1:25	29.50	66.1	5.26	4.8	SR5	7/26/2017 7:25	29.27	69.3	5.29	4.7	SR5	7/26/2017 13:25	29.76	68.8	5.25	4.4	SR5	7/26/2017 19:25	30.06	68.9	5.26	4.9
SR5	7/26/2017 1:30	29.50	66.2	5.26	5.2	SR5	7/26/2017 7:30	29.32	69.0	5.27	4.9	SR5	7/26/2017 13:30	29.78	69.7	5.32	4.9	SR5	7/26/2017 19:30	30.07	70.1	5.35	4.2
SR5	7/26/2017 1:35	29.51	66.1	5.26	4.6	SR5	7/26/2017 7:35	29.32	70.6	5.39	5.1	SR5	7/26/2017 13:35	29.79	70.0	5.34	4.9	SR5	7/26/2017 19:35	30.06	69.3	5.29	5.2
SR5	7/26/2017 1:40	29.47	66.6	5.29	5.3	SR5	7/26/2017 7:40	29.32	69.7	5.32	5.0	SR5	7/26/2017 13:40	29.78	70.3	5.37	4.3	SR5	7/26/2017 19:40	30.09	68.5	5.23	5.6
SR5	7/26/2017 1:45	29.51	66.7	5.31	5.0	SR5	7/26/2017 7:45	29.28	68.6	5.24	5.2	SR5	7/26/2017 13:45	29.80	69.4	5.30	4.9	SR5	7/26/2017 19:45	30.07	69.2	5.28	4.9
SR5	7/26/2017 1:50	29.50	66.6	5.31	4.7	SR5	7/26/2017 7:50	29.31	69.4	5.30	4.8	SR5	7/26/2017 13:50	29.84	69.0	5.27	5.1	SR5	7/26/2017 19:50	30.06	68.8	5.25	4.9
SR5	7/26/2017 1:55	29.51	68.6	5.24	4.7	SR5	7/26/2017 7:55	29.32	69.3	5.29	5.3	SR5	7/26/2017 13:55	29.83	68.5	5.23	4.3	SR5	7/26/2017 19:55	30.04	68.8	5.25	5.4
SR5	7/26/2017 2:00	29.49	70.2	5.36	4.5	SR5	7/26/2017 8:00	29.30	68.4	5.22	5.2	SR5	7/26/2017 14:00	29.84	70.5	5.38	4.6	SR5	7/26/2017 20:00	30.03	70.6	5.39	5.3
SR5	7/26/2017 2:05	29.47	69.8	5.33	5.2	SR5	7/26/2017 8:05	29.29	69.6	5.31	5.5	SR5	7/26/2017 14:05	29.81	68.8	5.25	5.2	SR5	7/26/2017 20:05	30.03	68.8	5.25	5.0
SR5	7/26/2017 2:10	29.47	69.8	5.33	4.7	SR5	7/26/2017 8:10	29.33	70.3	5.37	5.8	SR5	7/26/2017 14:10	29.81	70.2	5.36	4.8	SR5	7/26/2017 20:10	30.06	69.3	5.29	6.6
SR5	7/26/2017 2:15	29.50	68.8	5.25	3.0	SR5	7/26/2017 8:15	29.34	70.2	5.36	5.2	SR5	7/26/2017 14:15	29.82	70.5	5.38	4.7	SR5	7/26/2017 20:15	30.03	69.7	5.32	5.6
SR5	7/26/2017 2:20	29.49	70.6	5.39	4.7	SR5	7/26/2017 8:20	29.32	68.8	5.25	4.6	SR5	7/26/2017 14:20	29.93	69.2	5.28	4.6	SR5	7/26/2017 20:20	30.07	68.5	5.23	6.3
SR5	7/26/2017 2:25	29.46	69.3	5.29	5.1	SR5	7/26/2017 8:25	29.29	69.3	5.29	4.7	SR5	7/26/2017 14:25	29.87	68.8	5.25	5.2	SR5	7/26/2017 20:25	30.04	68.8	5.25	6.3
SR5	7/26/2017 2:30	29.46	70.0	5.34	5.3	SR5	7/26/2017 8:30	29.35	69.0	5.27	6.0	SR5	7/26/2017 14:30	29.91	69.6	5.31	5.2	SR5	7/26/2017 20:30	30.07	68.5	5.23	6.4
SR5	7/26/2017 2:35	29.45	69.4	5.30	4.8	SR5	7/26/2017 8:35	29.30	68.4	5.22	5.1	SR5	7/26/2017 14:35	29.91	68.4	5.22	4.7	SR5	7/26/2017 20:35	30.03	70.0	5.34	6.4
SR5	7/26/2017 2:40	29.49	69.7	5.32	4.9	SR5	7/26/2017 8:40	29.32	70.0	5.34	4.6	SR5	7/26/2017 14:40	29.89	68.6	5.24	4.7	SR5	7/26/2017 20:40	30.04	70.5	5.38	6.2
SR5	7/26/2017 2:45	29.46	70.5	5.38	5.0	SR5	7/26/2017 8:45	29.34	69.2	5.28	5.4	SR5	7/26/2017 14:45	29.89	69.0	5.27	4.8	SR5	7/26/2017 20:45	30.06	68.4	5.22	6.0
SR5	7/26/2017 2:50	29.48	68.4	5.22	4.6	SR5	7/26/2017 8:50	29.30	69.2	5.28	5.7	SR5	7/26/2017 14:50	29.93	69.3	5.29	4.7	SR5	7/26/2017 20:50	30.03	68.8	5.25	5.9
SR5	7/26/2017 2:55	29.47	69.8	5.33	4.5	SR5	7/26/2017 8:55	29.32	68.9	5.26	5.3	SR5	7/26/2017 14:55	29.92	68.9	5.26	4.8	SR5	7/26/2017 20:55	30.06	70.3	5.37	5.5
SR5	7/26/2017 3:00	29.43	70.6	5.39	5.3	SR5	7/26/2017 9:00	29.33	68.4	5.22	4.9	SR5	7/26/2017 15:00	29.91	68.4	5.22	4.8	SR5	7/26/2017 21:00	30.05	69.8	5.33	5.7
SR5	7/26/2017 3:05	29.42	68.5	5.23	5.6	SR5	7/26/2017 9:05	29.36	69.2	5.28	4.6	SR5	7/26/2017 15:05	29.93	69.6	5.31	4.2	SR5	7/26/2017 21:05	30.03	70.5	5.38	5.7
SR5	7/26/2017 3:10	29.46	70.5	5.38	5.7	SR5	7/26/2017 9:10	29.34	68.4	5.22	4.9	SR5	7/26/2017 15:10	29.93	69.6	5.31	4.4	SR5	7/26/2017 21:10	30.03	68.8	5.25	5.3
SR5	7/26/2017 3:15	29.46	70.5	5.38	5.2	SR5	7/26/2017 9:15	29.32	70.1	5.35	5.1	SR5	7/26/2017 15:15	29.95	69.4	5.30	4.8	SR5	7/26/2017 21:15	30.03	70.3	5.37	5.4
SR5	7/26/2017 3:20	29.44	70.1	5.35	4.9	SR5	7/26/2017 9:20	29.33	68.8	5.25	5.5	SR5	7/26/2017 15:20	29.91	70.0	5.34	4.5	SR5	7/26/2017 21:20	30.05	69.2	5.28	5.4
SR5	7/26/2017 3:25	29.43	69.8	5.33	5.6	SR5	7/26/2017 9:25	29.34	69.3	5.29	5.7	SR5	7/26/2017 15:25	29.95	70.5	5.38	4.2	SR5	7/26/2017 21:25	30.07	69.6	5.31	5.1
SR5	7/26/2017 3:30	29.45	68.5	5.23	5.6	SR5	7/26/2017 9:30	29.33	68.9	5.26	5.5	SR5	7/26/2017 15:30	29.94	70.6	5.39	4.5	SR5	7/26/2017 21:30	30.04	70.5	5.38	11.5
SR5	7/26/2017 3:35	29.46	69.6	5.31	5.0	SR5	7/26/2017 9:35	29.34	70.0	5.34	5.0	SR5	7/26/2017 15:35	29.91	70.3	5.37	4.5	SR5	7/26/2017 21:35	30.03	68.8	5.25	9.4
SR5	7/26/2017 3:40	29.43	69.4	5.30	5.0	SR5	7/26/2017 9:40	29.36	69.2	5.28	4.7	SR5	7/26/2017 15:40	29.92	70.3	5.37	4.8	SR5	7/26/2017 21:40	30.06	70.1	5.35	6.1
SR5	7/26/2017 3:45	29.44	69.8	5.33	5.6	SR5	7/26/2017 9:45	29.32	68.5	5.23	5.3	SR5	7/26/2017 15:45	29.94	69.0	5.27	4.6	SR5	7/26/2017 21:45	30.01	69.6	5.31	6.1
SR5	7/26/2017 3:50	29.43	69.3	5.29	5.0	SR5	7/26/2017 9:50	29.37	70.6	5.39	5.2	SR5	7/26/2017 15:50	29.92	69.6	5.31	4.4	SR5	7/26/2017 21:50	30.03	68.4	5.22	5.7
SR5	7/26/2017 3:55	29.45	69.0	5.27	5.4	SR5	7/26/2017 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	7/26/2017 0:01	29.15	66.1	5.16	5.5	SR12	7/26/2017 6:01	28.89	60.4	4.75	6.2	SR12	7/26/2017 12:01	29.18	68.8	5.33	6.8	SR12	7/26/2017 18:01	29.60	64.1	4.97	6.2
SR12	7/26/2017 0:06	29.16	65.7	5.15	5.0	SR12	7/26/2017 6:06	28.88	60.5	4.75	5.7	SR12	7/26/2017 12:06	29.16	68.9	5.32	7.6	SR12	7/26/2017 18:06	29.61	64.5	5.00	5.6
SR12	7/26/2017 0:11	29.16	66.7	5.22	4.7	SR12	7/26/2017 6:11	28.86	60.0	4.72	5.9	SR12	7/26/2017 12:11	29.21	69.2	5.35	7.0	SR12	7/26/2017 18:11	29.58	64.0	4.97	5.5
SR12	7/26/2017 0:16	29.12	65.9	5.15	5.0	SR12	7/26/2017 6:16	28.86	60.2	4.74	5.4	SR12	7/26/2017 12:16	29.23	68.0	5.26	8.1	SR12	7/26/2017 18:16	29.58	63.3	4.91	5.5
SR12	7/26/2017 0:21	29.14	65.9	5.15	4.6	SR12	7/26/2017 6:21	28.86	60.7	4.77	4.9	SR12	7/26/2017 12:21	29.25	68.6	5.32	8.1	SR12	7/26/2017 18:21	29.59	63.1	4.89	5.6
SR12	7/26/2017 0:26	29.15	66.5	5.20	4.5	SR12	7/26/2017 6:26	28.86	60.1	4.73	5.3	SR12	7/26/2017 12:26	29.26	69.0	5.34	8.8	SR12	7/26/2017 18:26	29.58	62.5	4.86	5.7
SR12	7/26/2017 0:31	29.15	65.6	5.13	4.2	SR12	7/26/2017 6:31	28.84	60.1	4.73	5.0	SR12	7/26/2017 12:31	29.20	69.5	5.38	8.6	SR12	7/26/2017 18:31	29.58	62.8	4.88	5.4
SR12	7/26/2017 0:36	29.14	66.5	5.20	4.8	SR12	7/26/2017 6:36	28.85	60.2	4.74	5.3	SR12	7/26/2017 12:36	29.21	70.1	5.40	6.3	SR12	7/26/2017 18:36	29.59	62.5	4.85	5.3
SR12	7/26/2017 0:41	29.14	66.8	5.22	4.4	SR12	7/26/2017 6:41	28.85	60.6	4.77	5.1	SR12	7/26/2017 12:41	29.21	69.8	5.39	7.0	SR12	7/26/2017 18:41	29.58	62.6	4.86	5.2
SR12	7/26/2017 0:46	29.12	67.1	5.26	4.5	SR12	7/26/2017 6:46	28.85	60.6	4.77	5.0	SR12	7/26/2017 12:46	29.22	70.6	5.44	7.8	SR12	7/26/2017 18:46	29.58	62.5	4.86	6.0
SR12	7/26/2017 0:51	29.12	66.9	5.24	4.7	SR12	7/26/2017 6:51	28.85	60.8	4.79	4.7	SR12	7/26/2017 12:51	29.21	70.3	5.43	6.5	SR12	7/26/2017 18:51	29.64	63.6	4.95	4.0
SR12	7/26/2017 0:56	29.13	66.6	5.21	4.7	SR12	7/26/2017 6:56	28.86	60.5	4.77	4.8	SR12	7/26/2017 12:56	29.23	70.3	5.45	6.3	SR12	7/26/2017 18:56	29.62	62.8	4.87	4.8
SR12	7/26/2017 1:01	29.15	68.0	5.32	4.4	SR12	7/26/2017 7:01	28.84	60.2	4.74	5.0	SR12	7/26/2017 13:01	29.25	70.2	5.46	7.2	SR12	7/26/2017 19:01	29.64	63.3	4.91	5.9
SR12	7/26/2017 1:06	29.12	67.5	5.28	4.6	SR12	7/26/2017 7:06	28.84	60.3	4.74	4.7	SR12	7/26/2017 13:06	29.44	70.3	5.46	5.9	SR12	7/26/2017 19:06	29.60	63.0	4.89	5.6
SR12	7/26/2017 1:11	29.09	67.1	5.26	4.7	SR12	7/26/2017 7:11	28.85	60.7	4.78	4.3	SR12	7/26/2017 13:11	29.38	69.7	5.41	6.6	SR12	7/26/2017 19:11	29.63	64.7	5.03	5.5
SR12	7/26/2017 1:16	29.12	67.2	5.27	4.6	SR12	7/26/2017 7:16	28.85	61.1	4.80	4.4	SR12	7/26/2017 13:16	29.34	69.8	5.42	6.6	SR12	7/26/2017 19:16	29.59	64.5	5.01	5.8
SR12	7/26/2017 1:21	29.14	67.0	5.24	4.1	SR12	7/26/2017 7:21	28.86	61.1	4.80	4.9	SR12	7/26/2017 13:21	29.58	69.0	5.34	6.6	SR12	7/26/2017 19:21	29.61	64.1	4.97	5.6
SR12	7/26/2017 1:26	29.16	67.0	5.25	4.2	SR12	7/26/2017 7:26	28.85	60.9	4.79	4.5	SR12	7/26/2017 13:26	29.67	67.6	5.22	12.3	SR12	7/26/2017 19:26	29.61	64.8	5.02	5.7
SR12	7/26/2017 1:31	29.16	67.6	5.29	4.9	SR12	7/26/2017 7:31	28.87	60.7	4.77	4.7	SR12	7/26/2017 13:31	29.63	68.5	5.29	6.6	SR12	7/26/2017 19:31	29.64	64.8	5.02	5.6
SR12	7/26/2017 1:36	29.16	67.1	5.25	4.5	SR12	7/26/2017 7:36	28.87	61.3	4.82	4.9	SR12	7/26/2017 13:36	29.63	67.6	5.23	6.5	SR12	7/26/2017 19:36	29.65	65.0	5.05	6.2
SR12	7/26/2017 1:41	29.13	67.8	5.30	4.9	SR12	7/26/2017 7:41	28.88	61.1	4.81	4.9	SR12	7/26/2017 13:41	29.52	65.7	5.09	6.0	SR12	7/26/2017 19:41	29.65	64.8	5.02	6.1
SR12	7/26/2017 1:46	29.14	68.2	5.33	4.6	SR12	7/26/2017 7:46	28.85	61.0	4.78	5.6	SR12	7/26/2017 13:46	29.50	66.7	5.17	6.8	SR12	7/26/2017 19:46	29.63	64.9	5.04	5.4
SR12	7/26/2017 1:51	29.14	68.0	5.32	4.3	SR12	7/26/2017 7:51	28.87	61.6	4.84	4.4	SR12	7/26/2017 13:51	29.52	67.4	5.23	7.0	SR12	7/26/2017 19:51	29.64	65.0	5.04	5.7
SR12	7/26/2017 1:56	29.14	68.0	5.31	4.4	SR12	7/26/2017 7:56	28.88	61.7	4.85	5.0	SR12	7/26/2017 13:56	29.50	66.6	5.17	6.5	SR12	7/26/2017 19:56	29.62	65.3	5.06	5.7
SR12	7/26/2017 2:01	29.13	67.9	5.30	4.4	SR12	7/26/2017 8:01	28.88	62.0	4.87	5.3	SR12	7/26/2017 14:01	29.45	65.6	5.08	7.0	SR12	7/26/2017 20:01	29.63	65.4	5.08	5.4
SR12	7/26/2017 2:06	29.12	68.2	5.32	4.8	SR12	7/26/2017 8:06	28.88	62.3	4.89	5.3	SR12	7/26/2017 14:06	29.41	66.2	5.14	7.6	SR12	7/26/2017 20:06	29.63	65.1	5.06	5.5
SR12	7/26/2017 2:11	29.11	66.6	5.20	4.6	SR12	7/26/2017 8:11	28.90	62.2	4.88	5.5	SR12	7/26/2017 14:11	29.37	66.6	5.17	7.1	SR12	7/26/2017 20:11	29.64	64.4	5.00	6.1
SR12	7/26/2017 2:16	29.00	64.5	5.04	3.4	SR12	7/26/2017 8:16	28.93	60.8	4.78	4.9	SR12	7/26/2017 14:16	29.41	66.9	5.20	6.9	SR12	7/26/2017 20:16	29.63	65.2	5.07	5.3
SR12	7/26/2017 2:21	28.99	64.9	5.08	4.9	SR12	7/26/2017 8:21	28.91	60.9	4.78	4.4	SR12	7/26/2017 14:21	29.50	67.3	5.22	6.7	SR12	7/26/2017 20:21	29.65	64.6	5.02	5.8
SR12	7/26/2017 2:26	28.97	64.3	5.03	4.8	SR12	7/26/2017 8:26	28.89	62.1	4.87	4.2	SR12	7/26/2017 14:26	29.43	66.4	5.15	7.3	SR12	7/26/2017 20:26	29.63	63.9	4.96	6.0
SR12	7/26/2017 2:31	28.98	63.8	5.00	5.3	SR12	7/26/2017 8:31	28.91	62.0	4.85	4.9	SR12	7/26/2017 14:31	29.48	65.7	5.09	7.3	SR12	7/26/2017 20:31	29.64	63.7	4.96	6.1
SR12	7/26/2017 2:36	28.96	62.9	4.93	5.1	SR12	7/26/2017 8:36	28.90	63.0	4.93	4.6	SR12	7/26/2017 14:36	29.47	65.9	5.11	7.0	SR12	7/26/2017 20:36	29.62	63.7	4.96	5.4
SR12	7/26/2017 2:41	29.00	63.1	4.95	5.1	SR12	7/26/2017 8:41	28.91	62.5	4.91	4.3	SR12	7/26/2017 14:41	29.66	66.9	5.16	7.1	SR12	7/26/2017 20:41	29.64	63.4	4.93	5.7
SR12	7/26/2017 2:46	28.99	62.1	4.87	4.9	SR12	7/26/2017 8:46	28.92	61.3	4.80	5.2	SR12	7/26/2017 14:46	29.56	67.7	5.23	6.6	SR12	7/26/2017 20:46	29.65	63.8	4.97	5.5
SR12	7/26/2017 2:51	29.00	62.2	4.87	4.6	SR12	7/26/2017 8:51	28.92	61.7	4.84	5.2	SR12	7/26/2017 14:51	29.55	67.6	5.25	6.7	SR12	7/26/2017 20:51	29.64	64.1	4.99	5.5
SR12	7/26/2017 2:56	28.98	62.8	4.92	5.4	SR12	7/26/2017 8:56	28.94	61.7	4.85	4.9	SR12	7/26/2017 14:56	29.49	69.2	5.36	6.9	SR12	7/26/2017 20:56	29.66	63.0	4.90	5.4
SR12	7/26/2017 3:01	28.96	63.5	4.98	5.4	SR12	7/26/2017 9:01	29.00	62.2	4.89	4.5	SR12	7/26/2017 15:01	29.69	69.1	5.35	7.2	SR12	7/26/2017 21:01	29.67	62.7	4.87	5.6
SR12	7/26/2017 3:06	28.96	63.8	5.00	5.4	SR12	7/26/2017 9:06	28.98	61.9	4.86	4.3	SR12	7/26/2017 15:06	29.65	68.9	5.34	6.4	SR12	7/26/2017 21:06	29.66	62.9	4.89	5.6
SR12	7/26/2017 3:11	29.00	62.9	4.93	5.4	SR12	7/26/2017 9:11	28.99	60.8	4.78	4.6	SR12	7/26/2017 15:11	29.69	68.8	5.33	6.9	SR12	7/26/2017 21:11	29.65	62.7	4.88	5.2
SR12	7/26/2017 3:16	28.99	62.3	4.89	5.0	SR12	7/26/2017 9:16	29.02	61.9	4.86	4.8	SR12	7/26/2017 15:16	29.71	69.3	5.35	7.8	SR12	7/26/2017 21:16	29.64	62.8	4.90	5.1
SR12	7/26/2017 3:21	28.95	62.0	4.88	4.8	SR12	7/26/2017 9:21	29.01	62.0	4.86	5.2	SR12	7/26/2017 15:21	29.72	68.3	5.28	6.9	SR12	7/26/2017 21:21	29.65	63.1	4.91	5.0
SR12	7/26/2017 3:26	28.96	61.6	4.84	5.4	SR12	7/26/2017 9:26	29.05	63.3	4.97	4.8	SR12	7/26/2017 15:26	29.66	67.4	5.22	6.7	SR12	7/26/2017 21:26	29.66	62.9	4.89	4.9
SR12	7/26/2017 3:31	28.96	61.8	4.86	5.3	SR12	7/26/2017 9:31	28.95	62.9	4.94	5.2	SR12	7/26/2017 15:31	29.70	66.6	5.16	6.5	SR12	7/26/2017 21:31	29.63	62.0	4.83	5.6
SR12	7/26/2017 3:36	28.95	61.5	4.83	4.5	SR12	7/26/2017 9:36	28.95	62.9	4.94	4.7	SR12	7/26/2017 15:36	29.73	70.4	5.41	6.6	SR12	7/26/2017 21:36	29.63	62.0	4.83	5.3
SR12	7/26/2017 3:41	28.95	61.5	4.82	5.0	SR12	7/26/2017 9:41	29.09	64.3	5.04	4.5	SR12	7/26/2017 15:41	29.82	70.0	5.37	7.3	SR12	7/26/2017 21:41	29.66	62.4	4.85	5.5
SR12	7/26/2017 3:46	28.94	61.3	4.81	4.9	SR12	7/26/2017 9:46	28.99	63.4	4.96	5.2	SR12	7/26/2017 15:46	29.72	68.1	5.27	6.9	SR12	7/26/2017 21:46	29.64	61.8	4.82	5.5
SR12	7/26/2017 3:51	28.95	62.0	4.86	4.4	SR12	7/26/2017 9:51	28.97	63.6	4.98	4.9	SR12	7/26/2017 15:51	29.77									

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	7/26/2017 0:00	28.69	63.8	5.08	5.2	SR13	7/26/2017 6:00	28.32	57.4	4.60	6.0	SR13	7/26/2017 12:00	29.29	66.7	5.29	6.5	SR13	7/26/2017 18:00	29.44	63.9	5.06	5.7
SR13	7/26/2017 0:05	28.69	63.4	5.06	5.9	SR13	7/26/2017 6:05	28.31	57.4	4.60	5.9	SR13	7/26/2017 12:05	29.28	67.7	5.36	5.9	SR13	7/26/2017 18:05	29.47	63.7	5.04	5.4
SR13	7/26/2017 0:10	28.69	65.0	5.19	5.2	SR13	7/26/2017 6:10	28.31	57.0	4.57	6.0	SR13	7/26/2017 12:10	29.32	67.4	5.34	6.1	SR13	7/26/2017 18:10	29.52	63.3	5.01	5.2
SR13	7/26/2017 0:15	28.69	63.9	5.09	5.6	SR13	7/26/2017 6:15	28.32	57.0	4.58	5.8	SR13	7/26/2017 12:15	29.32	67.3	5.33	6.8	SR13	7/26/2017 18:15	29.52	62.9	4.98	5.9
SR13	7/26/2017 0:20	28.69	64.2	5.12	5.3	SR13	7/26/2017 6:20	28.33	57.5	4.61	5.7	SR13	7/26/2017 12:20	29.30	67.7	5.37	6.2	SR13	7/26/2017 18:20	29.56	62.7	4.96	3.9
SR13	7/26/2017 0:25	28.69	64.3	5.13	5.9	SR13	7/26/2017 6:25	28.34	56.7	4.55	5.7	SR13	7/26/2017 12:25	29.47	68.1	5.39	6.2	SR13	7/26/2017 18:25	29.55	62.4	4.95	4.8
SR13	7/26/2017 0:30	28.69	63.8	5.09	5.0	SR13	7/26/2017 6:30	28.31	57.3	4.59	6.1	SR13	7/26/2017 12:30	29.64	68.5	5.43	6.7	SR13	7/26/2017 18:30	29.54	62.1	4.92	5.5
SR13	7/26/2017 0:35	28.69	64.3	5.13	5.6	SR13	7/26/2017 6:35	28.31	57.5	4.62	5.9	SR13	7/26/2017 12:35	29.68	68.9	5.45	5.8	SR13	7/26/2017 18:35	29.55	62.2	4.92	5.8
SR13	7/26/2017 0:40	28.68	64.7	5.16	6.2	SR13	7/26/2017 6:40	28.29	57.8	4.63	6.6	SR13	7/26/2017 12:40	29.65	68.8	5.45	6.6	SR13	7/26/2017 18:40	29.58	62.1	4.92	5.7
SR13	7/26/2017 0:45	28.68	64.7	5.16	5.9	SR13	7/26/2017 6:45	28.21	57.5	4.61	5.8	SR13	7/26/2017 12:45	29.67	69.5	5.50	6.3	SR13	7/26/2017 18:45	29.57	61.7	4.89	5.4
SR13	7/26/2017 0:50	28.69	65.1	5.20	5.7	SR13	7/26/2017 6:50	28.09	58.0	4.66	6.1	SR13	7/26/2017 12:50	29.74	69.5	5.51	6.6	SR13	7/26/2017 18:50	29.61	62.9	5.00	5.5
SR13	7/26/2017 0:55	28.69	65.1	5.20	6.2	SR13	7/26/2017 6:55	28.10	57.7	4.63	6.0	SR13	7/26/2017 12:55	29.73	69.5	5.52	6.4	SR13	7/26/2017 18:55	29.63	62.5	4.96	5.9
SR13	7/26/2017 1:00	28.70	66.1	5.27	7.6	SR13	7/26/2017 7:00	28.19	57.2	4.59	5.6	SR13	7/26/2017 13:00	29.77	69.4	5.52	6.6	SR13	7/26/2017 19:00	29.64	62.7	4.98	5.1
SR13	7/26/2017 1:05	28.70	65.5	5.23	5.8	SR13	7/26/2017 7:05	28.24	57.3	4.60	6.4	SR13	7/26/2017 13:05	29.78	70.0	5.54	6.3	SR13	7/26/2017 19:05	29.64	62.5	4.96	6.1
SR13	7/26/2017 1:10	28.68	65.5	5.24	6.5	SR13	7/26/2017 7:10	28.23	57.5	4.61	6.9	SR13	7/26/2017 13:10	30.12	68.8	5.46	6.0	SR13	7/26/2017 19:10	29.61	63.4	5.03	5.8
SR13	7/26/2017 1:15	28.66	65.4	5.22	6.4	SR13	7/26/2017 7:15	28.26	58.1	4.66	6.2	SR13	7/26/2017 13:15	30.22	69.0	5.48	6.5	SR13	7/26/2017 19:15	29.65	61.9	4.90	5.7
SR13	7/26/2017 1:20	28.64	65.5	5.22	5.9	SR13	7/26/2017 7:20	28.27	58.2	4.66	7.0	SR13	7/26/2017 13:20	30.24	69.3	5.47	6.2	SR13	7/26/2017 19:20	29.63	61.8	4.89	5.5
SR13	7/26/2017 1:25	28.63	65.6	5.24	6.5	SR13	7/26/2017 7:25	28.27	57.9	4.64	7.1	SR13	7/26/2017 13:25	30.22	70.1	5.52	5.8	SR13	7/26/2017 19:25	29.67	61.8	4.89	5.7
SR13	7/26/2017 1:30	28.62	65.7	5.24	6.2	SR13	7/26/2017 7:30	28.29	57.8	4.63	6.9	SR13	7/26/2017 13:30	30.16	68.2	5.37	5.9	SR13	7/26/2017 19:30	29.66	62.1	4.91	5.7
SR13	7/26/2017 1:35	28.61	65.8	5.24	7.0	SR13	7/26/2017 7:35	28.27	57.9	4.64	7.7	SR13	7/26/2017 13:35	30.02	69.2	5.46	6.4	SR13	7/26/2017 19:35	29.65	61.9	4.90	5.3
SR13	7/26/2017 1:40	28.56	66.3	5.29	6.4	SR13	7/26/2017 7:40	28.31	57.7	4.63	7.4	SR13	7/26/2017 13:40	29.98	66.1	5.23	5.7	SR13	7/26/2017 19:40	29.66	62.0	4.90	5.7
SR13	7/26/2017 1:45	28.51	66.4	5.29	4.9	SR13	7/26/2017 7:45	28.35	57.9	4.63	7.1	SR13	7/26/2017 13:45	29.98	67.1	5.31	9.9	SR13	7/26/2017 19:45	29.68	62.2	4.92	5.4
SR13	7/26/2017 1:50	28.46	66.3	5.29	6.0	SR13	7/26/2017 7:50	28.38	58.1	4.66	6.6	SR13	7/26/2017 13:50	29.94	68.0	5.39	5.4	SR13	7/26/2017 19:50	29.70	62.3	4.92	5.7
SR13	7/26/2017 1:55	28.45	66.6	5.31	6.3	SR13	7/26/2017 7:55	28.41	58.2	4.66	6.8	SR13	7/26/2017 13:55	29.88	66.7	5.29	6.7	SR13	7/26/2017 19:55	29.71	62.5	4.94	6.2
SR13	7/26/2017 2:00	28.43	66.6	5.31	6.5	SR13	7/26/2017 8:00	28.45	58.7	4.70	6.7	SR13	7/26/2017 14:00	29.76	65.3	5.17	6.2	SR13	7/26/2017 20:00	29.69	62.8	4.97	5.9
SR13	7/26/2017 2:05	28.44	66.8	5.32	6.1	SR13	7/26/2017 8:05	28.47	58.7	4.70	7.3	SR13	7/26/2017 14:05	29.76	66.1	5.24	6.9	SR13	7/26/2017 20:05	29.68	62.6	4.95	5.4
SR13	7/26/2017 2:10	28.42	66.2	5.27	5.7	SR13	7/26/2017 8:10	28.48	59.1	4.73	6.7	SR13	7/26/2017 14:10	29.79	66.5	5.28	6.7	SR13	7/26/2017 20:10	29.68	62.2	4.92	5.9
SR13	7/26/2017 2:15	28.35	62.7	5.01	6.0	SR13	7/26/2017 8:15	28.50	58.2	4.66	7.6	SR13	7/26/2017 14:15	29.87	66.7	5.29	7.2	SR13	7/26/2017 20:15	29.69	62.8	4.97	5.6
SR13	7/26/2017 2:20	28.35	62.6	5.01	5.6	SR13	7/26/2017 8:20	28.51	58.5	4.69	7.8	SR13	7/26/2017 14:20	29.97	67.3	5.34	6.7	SR13	7/26/2017 20:20	29.73	62.4	4.94	5.4
SR13	7/26/2017 2:25	28.37	62.2	4.97	5.3	SR13	7/26/2017 8:25	28.50	58.8	4.71	7.4	SR13	7/26/2017 14:25	30.09	66.9	5.30	6.9	SR13	7/26/2017 20:25	29.75	61.9	4.90	5.2
SR13	7/26/2017 2:30	28.38	61.7	4.94	6.0	SR13	7/26/2017 8:30	28.50	58.5	4.68	7.4	SR13	7/26/2017 14:30	30.10	65.5	5.19	7.1	SR13	7/26/2017 20:30	29.71	61.6	4.88	5.7
SR13	7/26/2017 2:35	28.39	61.2	4.89	6.4	SR13	7/26/2017 8:35	28.51	59.2	4.73	7.0	SR13	7/26/2017 14:35	30.05	65.6	5.20	6.6	SR13	7/26/2017 20:35	29.73	61.1	4.84	5.5
SR13	7/26/2017 2:40	28.40	61.6	4.93	6.3	SR13	7/26/2017 8:40	28.53	59.1	4.73	6.7	SR13	7/26/2017 14:40	29.94	65.6	5.17	7.4	SR13	7/26/2017 20:40	29.72	61.1	4.84	5.2
SR13	7/26/2017 2:45	28.39	60.9	4.87	6.1	SR13	7/26/2017 8:45	28.53	58.8	4.70	7.3	SR13	7/26/2017 14:45	29.61	67.1	5.30	7.1	SR13	7/26/2017 20:45	29.74	61.6	4.89	5.3
SR13	7/26/2017 2:50	28.34	60.5	4.84	5.6	SR13	7/26/2017 8:50	28.55	59.1	4.73	7.5	SR13	7/26/2017 14:50	29.44	67.6	5.36	6.5	SR13	7/26/2017 20:50	29.73	62.0	4.91	5.4
SR13	7/26/2017 2:55	28.31	61.1	4.89	6.4	SR13	7/26/2017 8:55	28.55	59.4	4.76	7.1	SR13	7/26/2017 14:55	29.31	68.2	5.40	6.6	SR13	7/26/2017 20:55	29.77	60.9	4.82	4.9
SR13	7/26/2017 3:00	28.29	61.8	4.95	6.4	SR13	7/26/2017 9:00	28.55	60.0	4.80	7.2	SR13	7/26/2017 15:00	29.54	68.5	5.40	6.3	SR13	7/26/2017 21:00	29.75	60.4	4.78	5.6
SR13	7/26/2017 3:05	28.29	61.5	4.92	5.9	SR13	7/26/2017 9:05	28.54	59.5	4.76	7.4	SR13	7/26/2017 15:05	29.65	68.3	5.39	6.6	SR13	7/26/2017 21:05	29.75	60.6	4.79	5.6
SR13	7/26/2017 3:10	28.28	61.2	4.90	5.5	SR13	7/26/2017 9:10	28.54	59.3	4.74	6.8	SR13	7/26/2017 15:10	29.82	68.2	5.38	7.1	SR13	7/26/2017 21:10	29.76	60.6	4.80	5.8
SR13	7/26/2017 3:15	28.29	60.6	4.85	6.3	SR13	7/26/2017 9:15	28.53	60.3	4.82	7.3	SR13						SR13	7/26/2017 21:15	29.77	60.9	4.83	5.5
SR13	7/26/2017 3:20	28.28	60.0	4.81	6.0	SR13	7/26/2017 9:20	28.55	60.6	4.84	7.2	SR13						SR13	7/26/2017 21:20	29.78	61.1	4.84	5.5
SR13	7/26/2017 3:25	28.27	59.9	4.80	6.0	SR13	7/26/2017 9:25	28.58	62.0	4.96	7.0	SR13						SR13	7/26/2017 21:25	29.78	60.9	4.82	5.3
SR13	7/26/2017 3:30	28.25	60.3	4.84	6.2	SR13	7/26/2017 9:30	28.59	60.8	4.87	6.7	SR13	7/26/2017 15:30	30.17	65.5	5.17	7.0	SR13	7/26/2017 21:30	29.77	60.5	4.80	5.3
SR13	7/26/2017 3:35	28.24	59.5	4.76	5.7	SR13	7/26/2017 9:35	28.58	60.9	4.87	6.5	SR13	7/26/2017 15:35	30.24	68.7	5.39	5.9	SR13	7/26/2017 21:35	29.78	60.2	4.78	5.6
SR13	7/26/2017 3:40	28.23	59.7	4.78	6.1	SR13	7/26/2017 9:40	28.59	62.7	5.01	7.0	SR13	7/26/2017 15:40	30.22	67.8	5.31	6.1	SR13	7/26/2017 21:40	29.79	60.3	4.77	5.7
SR13	7/26/2017 3:45	28.24	59.5	4.77	6.1	SR13	7/26/2017 9:45	28.65	61.5	4.91	6.5	SR13	7/26/2017 15:45	30.15	66.4	5.23	6.4	SR13	7/26/2017 21:45	29.77	59.9	4.75	4.9
SR13	7/26/2017 3:50	28.26	59.9	4.79	6.1	SR13	7/26/2017 9:50	28.79	61.9	4.95	7.3	SR13	7/26/2017 15:50	29.83	68.6	5.38	6.4	SR13	7/26/2017 21:50	29.79	60.1	4.76	3.2
SR13	7/2																						

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	7/26/2017 0:17	0.15				SR12	7/26/2017 0:17	0.18			
SR4	7/26/2017 0:37	0.13				SR12	7/26/2017 0:37	0.19			
SR4	7/26/2017 0:57	0.16				SR12	7/26/2017 0:57	0.19			
SR4	7/26/2017 1:17	0.12				SR12	7/26/2017 1:17	0.20			
SR4	7/26/2017 1:37	0.12				SR12	7/26/2017 1:37	0.19			
SR4	7/26/2017 1:57	0.11				SR12	7/26/2017 1:57	0.20			
SR4	7/26/2017 2:17	0.12				SR12	7/26/2017 2:17	0.18			
SR4	7/26/2017 2:37	0.14				SR12	7/26/2017 2:37	0.18			
SR4	7/26/2017 2:57	0.13				SR12	7/26/2017 2:57	0.19			
SR4	7/26/2017 3:17	0.16				SR12	7/26/2017 3:17	0.20			
SR4	7/26/2017 3:37	0.11				SR12	7/26/2017 3:37	0.18			
SR4	7/26/2017 3:57	0.15				SR12	7/26/2017 3:57	0.18			
SR4	7/26/2017 4:17	0.14				SR12	7/26/2017 4:17	0.20			
SR4	7/26/2017 4:37	0.12				SR12	7/26/2017 4:37	0.18			
SR4	7/26/2017 4:57	0.15				SR12	7/26/2017 4:57	0.20			
SR4	7/26/2017 5:17	0.16				SR12	7/26/2017 5:17	0.20			
SR4	7/26/2017 5:37	0.16				SR12	7/26/2017 5:37	0.19			
SR4	7/26/2017 5:57	0.11				SR12	7/26/2017 5:57	0.18			
SR4						SR12					
SR4	7/26/2017 6:37	0.12				SR12	7/26/2017 6:37	0.18			
SR4	7/26/2017 6:57	0.15				SR12	7/26/2017 6:57	0.19			
SR4	7/26/2017 7:17	0.11				SR12	7/26/2017 7:17	0.18			
SR4	7/26/2017 7:37	0.13				SR12	7/26/2017 7:37	0.20			
SR4	7/26/2017 7:57	0.15				SR12	7/26/2017 7:57	0.18			
SR4	7/26/2017 8:17	0.11				SR12	7/26/2017 8:17	0.18			
SR4	7/26/2017 8:37	0.12				SR12	7/26/2017 8:37	0.18			
SR4	7/26/2017 8:57	0.15				SR12	7/26/2017 8:57	0.18			
SR4	7/26/2017 9:17	0.15				SR12	7/26/2017 9:17	0.18			
SR4	7/26/2017 9:37	0.11				SR12	7/26/2017 9:37	0.19			
SR4	7/26/2017 9:57	0.11				SR12	7/26/2017 9:57	0.19			
SR4	7/26/2017 10:17	0.16				SR12	7/26/2017 10:17	0.20			
SR4	7/26/2017 10:37	0.15				SR12	7/26/2017 10:37	0.19			
SR4	7/26/2017 10:57	0.13				SR12	7/26/2017 10:57	0.19			
SR4	7/26/2017 11:17	0.16				SR12	7/26/2017 11:17	0.18			
SR4	7/26/2017 11:37	0.11				SR12	7/26/2017 11:37	0.20			
SR4	7/26/2017 11:57	0.12				SR12	7/26/2017 11:57	0.20			
SR4	7/26/2017 12:17	0.14				SR12	7/26/2017 12:17	0.19			
SR4	7/26/2017 12:37	0.15				SR12	7/26/2017 12:37	0.19			
SR4	7/26/2017 12:57	0.15				SR12	7/26/2017 12:57	0.20			
SR4	7/26/2017 13:17	0.13				SR12	7/26/2017 13:17	0.19			
SR4	7/26/2017 13:37	0.13				SR12	7/26/2017 13:37	0.18			
SR4	7/26/2017 13:57	0.14				SR12	7/26/2017 13:57	0.18			
SR4	7/26/2017 14:17	0.14				SR12	7/26/2017 14:17	0.18			
SR4	7/26/2017 14:37	0.13				SR12	7/26/2017 14:37	0.19			
SR4	7/26/2017 14:57	0.14				SR12	7/26/2017 14:57	0.18			
SR4	7/26/2017 15:17	0.13				SR12	7/26/2017 15:17	0.19			
SR4	7/26/2017 15:37	0.13				SR12	7/26/2017 15:37	0.20			
SR4	7/26/2017 15:57	0.15				SR12	7/26/2017 15:57	0.18			
SR4	7/26/2017 16:17	0.13				SR12	7/26/2017 16:17	0.20			
SR4	7/26/2017 16:37	0.14				SR12	7/26/2017 16:37	0.20			
SR4	7/26/2017 16:57	0.15				SR12	7/26/2017 16:57	0.19			
SR4	7/26/2017 17:17	0.15				SR12	7/26/2017 17:17	0.20			
SR4	7/26/2017 17:37	0.14				SR12	7/26/2017 17:37	0.20			
SR4	7/26/2017 17:57	0.14				SR12	7/26/2017 17:57	0.19			
SR4	7/26/2017 18:17	0.15				SR12	7/26/2017 18:17	0.20			
SR4	7/26/2017 18:37	0.13				SR12	7/26/2017 18:37	0.18			
SR4	7/26/2017 18:57	0.13				SR12	7/26/2017 18:57	0.19			
SR4	7/26/2017 19:17	0.13				SR12	7/26/2017 19:17	0.18			
SR4	7/26/2017 19:37	0.13				SR12	7/26/2017 19:37	0.19			
SR4	7/26/2017 19:57	0.15				SR12	7/26/2017 19:57	0.20			
SR4	7/26/2017 20:17	0.13				SR12	7/26/2017 20:17	0.19			
SR4	7/26/2017 20:37	0.14				SR12	7/26/2017 20:37	0.18			
SR4	7/26/2017 20:57	0.13				SR12	7/26/2017 20:57	0.20			
SR4	7/26/2017 21:17	0.14				SR12	7/26/2017 21:17	0.20			
SR4	7/26/2017 21:37	0.14				SR12	7/26/2017 21:37	0.19			
SR4	7/26/2017 21:57	0.15				SR12	7/26/2017 21:57	0.20			
SR4	7/26/2017 22:17	0.14				SR12	7/26/2017 22:17	0.20			
SR4	7/26/2017 22:37	0.15				SR12	7/26/2017 22:37	0.18			
SR4	7/26/2017 22:57	0.14				SR12	7/26/2017 22:57	0.18			
SR4	7/26/2017 23:17	0.15				SR12	7/26/2017 23:17	0.20			
SR4	7/26/2017 23:37	0.13				SR12	7/26/2017 23:37	0.18			
SR4	7/26/2017 23:57	0.14				SR12	7/26/2017 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.  
SR13 monitoring station was under maintenance during 15:10-15:30.

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	7/27/2017 0:01	29.93	66.6	5.09	6.1	SR4	7/27/2017 6:01	30.06	59.2	4.57	8.8	SR4	7/27/2017 12:01	29.57	69.6	5.31	9.3	SR4	7/27/2017 18:01	29.68	65.7	5.03	7.9
SR4	7/27/2017 0:06	29.94	66.7	5.09	6.8	SR4	7/27/2017 6:06	30.06	60.4	4.66	8.3	SR4	7/27/2017 12:06	29.64	70.8	5.39	9.6	SR4	7/27/2017 18:06	29.67	67.0	5.13	8.1
SR4	7/27/2017 0:11	29.97	67.3	5.14	7.7	SR4	7/27/2017 6:11	30.05	61.3	4.74	8.7	SR4	7/27/2017 12:11	29.65	69.8	5.30	8.9	SR4	7/27/2017 18:11	29.68	67.4	5.15	7.7
SR4	7/27/2017 0:16	29.94	67.2	5.13	7.7	SR4	7/27/2017 6:16	30.08	62.3	4.82	8.9	SR4	7/27/2017 12:16	29.71	71.8	5.46	9.4	SR4	7/27/2017 18:16	29.68	69.2	5.27	7.9
SR4	7/27/2017 0:21	29.99	66.4	5.07	6.7	SR4	7/27/2017 6:21	30.04	60.6	4.68	8.8	SR4	7/27/2017 12:21	29.80	72.0	5.45	8.6	SR4	7/27/2017 18:21	29.70	68.2	5.20	8.0
SR4	7/27/2017 0:26	29.95	66.4	5.08	7.1	SR4	7/27/2017 6:26	30.07	59.9	4.62	7.5	SR4	7/27/2017 12:26	29.82	72.4	5.48	8.6	SR4	7/27/2017 18:26	29.71	68.3	5.21	7.2
SR4	7/27/2017 0:31	30.00	65.4	5.00	7.4	SR4	7/27/2017 6:31	30.08	60.8	4.68	8.3	SR4	7/27/2017 12:31	29.81	71.6	5.43	9.3	SR4	7/27/2017 18:31	29.65	67.1	5.13	7.9
SR4	7/27/2017 0:36	29.97	65.8	5.03	6.6	SR4	7/27/2017 6:36	30.06	61.6	4.73	8.8	SR4	7/27/2017 12:36	29.79	72.2	5.46	9.7	SR4	7/27/2017 18:36	29.60	67.2	5.13	8.0
SR4	7/27/2017 0:41	29.96	65.6	5.01	6.9	SR4	7/27/2017 6:41	30.06	61.9	4.76	7.9	SR4	7/27/2017 12:41	29.77	74.0	5.58	9.4	SR4	7/27/2017 18:41	29.54	66.8	5.10	8.1
SR4	7/27/2017 0:46	29.97	66.8	5.11	7.8	SR4	7/27/2017 6:46	30.04	61.9	4.76	8.4	SR4	7/27/2017 12:46	29.70	73.8	5.57	8.7	SR4	7/27/2017 18:46	29.50	65.7	5.02	7.6
SR4	7/27/2017 0:51	29.99	65.5	5.01	7.5	SR4	7/27/2017 6:51	30.07	61.1	4.69	8.8	SR4	7/27/2017 12:51	29.59	72.9	5.50	9.4	SR4	7/27/2017 18:51	29.50	64.6	4.94	7.1
SR4	7/27/2017 0:56	29.99	66.2	5.06	7.3	SR4	7/27/2017 6:56	30.04	61.4	4.72	8.9	SR4	7/27/2017 12:56	29.55	72.8	5.49	9.3	SR4	7/27/2017 18:56	29.52	64.1	4.90	7.2
SR4	7/27/2017 1:01	30.02	65.9	5.04	6.8	SR4	7/27/2017 7:01	30.08	61.7	4.74	8.7	SR4	7/27/2017 13:01	29.54	71.9	5.43	10.5	SR4	7/27/2017 19:01	29.53	63.6	4.87	7.4
SR4	7/27/2017 1:06	30.01	66.4	5.08	7.2	SR4	7/27/2017 7:06	29.82	62.7	4.81	8.8	SR4	7/27/2017 13:06	29.59	72.4	5.47	9.6	SR4	7/27/2017 19:06	29.56	62.6	4.79	7.5
SR4	7/27/2017 1:11	29.99	67.5	5.17	6.8	SR4	7/27/2017 7:11	29.83	61.2	4.70	8.7	SR4	7/27/2017 13:11	29.29	73.3	5.53	8.7	SR4	7/27/2017 19:11	29.57	63.5	4.86	7.7
SR4	7/27/2017 1:16	30.03	67.4	5.15	7.2	SR4	7/27/2017 7:16	29.80	60.7	4.67	8.6	SR4	7/27/2017 13:16	29.38	72.9	5.50	9.2	SR4	7/27/2017 19:16	29.56	63.2	4.84	8.2
SR4	7/27/2017 1:21	30.02	68.6	5.25	6.9	SR4	7/27/2017 7:21	29.83	61.2	4.71	8.6	SR4	7/27/2017 13:21	29.49	72.6	5.49	9.7	SR4	7/27/2017 19:21	29.53	62.7	4.81	7.2
SR4	7/27/2017 1:26	30.02	68.1	5.22	7.2	SR4	7/27/2017 7:26	29.82	60.6	4.66	9.1	SR4	7/27/2017 13:26	29.64	73.4	5.54	8.9	SR4	7/27/2017 19:26	29.52	63.6	4.87	7.8
SR4	7/27/2017 1:31	30.02	67.7	5.18	6.6	SR4	7/27/2017 7:31	29.80	60.4	4.64	8.9	SR4	7/27/2017 13:31	29.73	73.3	5.53	9.6	SR4	7/27/2017 19:31	29.54	66.0	5.05	7.5
SR4	7/27/2017 1:36	30.00	69.6	5.34	6.8	SR4	7/27/2017 7:36	29.84	60.6	4.66	8.6	SR4	7/27/2017 13:36	29.80	73.4	5.53	9.7	SR4	7/27/2017 19:36	29.55	66.0	5.05	7.9
SR4	7/27/2017 1:41	30.01	69.2	5.31	7.5	SR4	7/27/2017 7:41	29.79	61.9	4.76	8.6	SR4	7/27/2017 13:41	29.93	74.2	5.59	8.8	SR4	7/27/2017 19:41	29.56	67.1	5.13	7.7
SR4	7/27/2017 1:46	30.04	68.7	5.26	7.1	SR4	7/27/2017 7:46	29.81	60.9	4.68	9.5	SR4	7/27/2017 13:46	29.90	74.2	5.59	9.0	SR4	7/27/2017 19:46	29.46	68.0	5.20	7.4
SR4	7/27/2017 1:51	30.01	68.8	5.27	7.5	SR4	7/27/2017 7:51	29.75	62.2	4.78	9.1	SR4	7/27/2017 13:51	29.80	76.5	5.76	9.0	SR4	7/27/2017 19:51	29.37	68.1	5.21	7.6
SR4	7/27/2017 1:56	30.04	69.2	5.31	7.7	SR4	7/27/2017 7:56	29.78	61.6	4.73	9.1	SR4	7/27/2017 13:56	29.66	76.8	5.78	8.9	SR4	7/27/2017 19:56	29.34	67.5	5.16	7.8
SR4	7/27/2017 2:01	30.02	68.1	5.22	6.9	SR4	7/27/2017 8:01	29.74	61.7	4.73	8.6	SR4	7/27/2017 14:01	29.59	76.0	5.73	9.5	SR4	7/27/2017 20:01	29.39	67.6	5.16	8.1
SR4	7/27/2017 2:06	30.02	68.4	5.25	7.2	SR4	7/27/2017 8:06	29.77	61.9	4.75	9.0	SR4	7/27/2017 14:06	29.56	76.9	5.80	9.4	SR4	7/27/2017 20:06	29.44	66.9	5.11	7.8
SR4	7/27/2017 2:11	30.05	69.2	5.30	7.5	SR4	7/27/2017 8:11	29.78	61.7	4.73	8.6	SR4	7/27/2017 14:11	29.49	75.3	5.71	8.9	SR4	7/27/2017 20:11	29.45	66.5	5.08	7.3
SR4	7/27/2017 2:16	30.03	69.5	5.33	7.5	SR4	7/27/2017 8:16	29.77	62.7	4.81	9.7	SR4	7/27/2017 14:16	29.37	75.3	5.71	9.7	SR4	7/27/2017 20:16	29.46	66.1	5.05	7.4
SR4	7/27/2017 2:21	30.06	69.4	5.32	6.9	SR4	7/27/2017 8:21	29.79	62.4	4.78	8.7	SR4	7/27/2017 14:21	29.37	75.6	5.73	9.5	SR4	7/27/2017 20:21	29.42	65.5	5.01	7.4
SR4	7/27/2017 2:26	30.05	68.2	5.22	7.2	SR4	7/27/2017 8:26	29.77	62.7	4.81	9.5	SR4	7/27/2017 14:26	29.53	74.6	5.67	9.6	SR4	7/27/2017 20:26	29.42	65.1	4.98	7.8
SR4	7/27/2017 2:31	30.05	68.9	5.27	7.8	SR4	7/27/2017 8:31	29.81	62.7	4.81	9.5	SR4	7/27/2017 14:31	29.61	74.2	5.65	9.1	SR4	7/27/2017 20:31	29.42	65.0	4.98	7.6
SR4	7/27/2017 2:36	30.07	68.8	5.26	7.5	SR4	7/27/2017 8:36	29.79	62.9	4.82	8.8	SR4	7/27/2017 14:36	29.59	73.4	5.59	8.9	SR4	7/27/2017 20:36	29.42	65.5	5.01	8.1
SR4	7/27/2017 2:41	30.05	70.7	5.42	8.8	SR4	7/27/2017 8:41	29.81	63.2	4.84	8.6	SR4	7/27/2017 14:41	29.57	73.0	5.56	9.7	SR4	7/27/2017 20:41	29.44	67.5	5.17	7.7
SR4	7/27/2017 2:46	30.08	70.4	5.40	8.7	SR4	7/27/2017 8:46	29.81	62.6	4.80	8.7	SR4	7/27/2017 14:46	29.59	68.6	5.24	9.2	SR4	7/27/2017 20:46	29.44	65.6	5.02	7.3
SR4	7/27/2017 2:51	30.06	70.5	5.41	8.2	SR4	7/27/2017 8:51	29.79	62.8	4.81	9.1	SR4	7/27/2017 14:51	29.59	72.1	5.50	9.0	SR4	7/27/2017 20:51	29.43	64.9	4.97	8.2
SR4	7/27/2017 2:56	30.07	70.5	5.41	8.0	SR4	7/27/2017 8:56	29.80	62.4	4.78	9.4	SR4	7/27/2017 14:56	29.52	72.7	5.55	9.0	SR4	7/27/2017 20:56	29.43	64.6	4.94	7.6
SR4	7/27/2017 3:01	30.08	70.8	5.43	8.5	SR4	7/27/2017 9:01	29.76	62.8	4.82	9.2	SR4	7/27/2017 15:01	29.38	75.1	5.72	9.2	SR4	7/27/2017 21:01	29.43	64.7	4.95	7.6
SR4	7/27/2017 3:06	30.05	67.7	5.21	7.8	SR4	7/27/2017 9:06	29.72	62.0	4.76	8.7	SR4	7/27/2017 15:06	29.32	76.7	5.84	8.9	SR4	7/27/2017 21:06	29.43	65.1	4.98	8.2
SR4	7/27/2017 3:11	30.06	67.5	5.19	8.1	SR4	7/27/2017 9:11	29.71	61.2	4.70	8.6	SR4	7/27/2017 15:11	29.36	75.6	5.76	9.4	SR4	7/27/2017 21:11	29.43	64.4	4.93	8.2
SR4	7/27/2017 3:16	30.05	66.3	5.10	7.5	SR4	7/27/2017 9:16	29.73	60.8	4.66	8.8	SR4	7/27/2017 15:16	29.38	74.1	5.65	9.1	SR4	7/27/2017 21:16	29.43	64.0	4.90	7.1
SR4	7/27/2017 3:21	30.07	65.9	5.07	8.5	SR4	7/27/2017 9:21	29.70	60.7	4.66	9.4	SR4	7/27/2017 15:21	29.36	73.5	5.61	9.7	SR4	7/27/2017 21:21	29.43	63.2	4.83	7.8
SR4	7/27/2017 3:26	30.06	64.3	4.94	8.0	SR4	7/27/2017 9:26	29.72	61.2	4.69	8.9	SR4	7/27/2017 15:26	29.34	70.3	5.37	9.1	SR4	7/27/2017 21:26	29.42	63.3	4.85	7.2
SR4	7/27/2017 3:31	30.08	67.1	5.15	7.7	SR4	7/27/2017 9:31	29.73	61.2	4.69	8.8	SR4	7/27/2017 15:31	29.32	70.9	5.41	8.6	SR4	7/27/2017 21:31	29.41	63.6	4.87	7.3
SR4	7/27/2017 3:36	30.09	63.6	4.88	7.9	SR4	7/27/2017 9:36	29.73	61.4	4.71	8.8	SR4	7/27/2017 15:36	29.30	72.6	5.53	9.6	SR4	7/27/2017 21:36	29.40	63.9	4.89	8.2
SR4	7/27/2017 3:41	30.09	63.0	4.84	8.7	SR4	7/27/2017 9:41	29.77	61.6	4.72	9.6	SR4	7/27/2017 15:41	29.30	75.2	5.71	9.5	SR4	7/27/2017 21:41	29.39	63.7	4.87	7.8
SR4	7/27/2017 3:46	30.09	63.3	4.86	7.9	SR4	7/27/2017 9:46	29.75	62.7	4.81	9.7	SR4	7/27/2017 15:46	29.28	72.7	5.52	9.1	SR4	7/27/2017 21:46	29.37	63.1	4.83	8.1
SR4	7/27/2017 3:51	30.05	61.8	4.75	7.7	SR4	7/27/2017 9:51	29.81	62.8	4.82	9.1	SR4	7/27/2017 15:51	29.26	73.6	5.59	9.0	SR4	7/27/2017 21:51	29.38	63.0	4.82	7.3
SR4	7/27/2017 3:56	30.08	63.5	4.89	8.1	SR4	7/27/2017 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	7/27/2017 0:00	30.06	70.5	5.38	5.2	SR5	7/27/2017 6:00	29.83	70.2	5.36	6.5	SR5	7/27/2017 12:00	29.77	68.5	5.23	6.1	SR5	7/27/2017 18:00	30.20	70.1	5.35	6.5
SR5	7/27/2017 0:05	30.05	68.5	5.23	5.6	SR5	7/27/2017 6:05	29.80	70.6	5.39	6.4	SR5						SR5	7/27/2017 18:05	30.22	68.9	5.26	6.5
SR5	7/27/2017 0:10	30.06	70.6	5.39	5.9	SR5	7/27/2017 6:10	29.83	70.0	5.34	6.6	SR5						SR5	7/27/2017 18:10	30.23	69.7	5.32	6.3
SR5	7/27/2017 0:15	30.02	69.3	5.29	5.9	SR5	7/27/2017 6:15	29.80	69.4	5.30	6.6	SR5						SR5	7/27/2017 18:15	30.18	68.9	5.26	6.2
SR5	7/27/2017 0:20	30.07	70.5	5.38	5.5	SR5	7/27/2017 6:20	29.81	68.5	5.23	6.8	SR5	7/27/2017 12:20	29.78	69.4	5.30	6.2	SR5	7/27/2017 18:20	30.21	70.3	5.37	6.3
SR5	7/27/2017 0:25	30.08	68.6	5.24	5.6	SR5	7/27/2017 6:25	29.81	69.0	5.27	5.8	SR5	7/27/2017 12:25	29.77	66.7	5.09	6.1	SR5	7/27/2017 18:25	30.22	69.3	5.29	6.0
SR5	7/27/2017 0:30	30.08	68.9	5.26	5.7	SR5	7/27/2017 6:30	29.78	69.7	5.32	6.3	SR5	7/27/2017 12:30	29.80	66.6	5.09	6.6	SR5	7/27/2017 18:30	30.19	70.1	5.35	6.3
SR5	7/27/2017 0:35	30.05	69.3	5.29	5.4	SR5	7/27/2017 6:35	29.80	69.0	5.27	6.5	SR5	7/27/2017 12:35	29.79	68.4	5.22	6.5	SR5	7/27/2017 18:35	30.19	69.8	5.33	6.3
SR5	7/27/2017 0:40	30.07	69.3	5.29	5.6	SR5	7/27/2017 6:40	29.79	70.0	5.34	5.9	SR5	7/27/2017 12:40	29.82	69.6	5.31	6.2	SR5	7/27/2017 18:40	30.19	70.5	5.38	6.3
SR5	7/27/2017 0:45	30.07	69.8	5.33	6.4	SR5	7/27/2017 6:45	29.80	70.5	5.38	6.3	SR5	7/27/2017 12:45	29.81	69.2	5.28	5.8	SR5	7/27/2017 18:45	30.15	69.8	5.33	6.0
SR5	7/27/2017 0:50	30.03	70.0	5.34	5.9	SR5	7/27/2017 6:50	29.78	69.2	5.28	6.3	SR5	7/27/2017 12:50	29.81	68.6	5.24	6.1	SR5	7/27/2017 18:50	30.18	68.9	5.26	5.5
SR5	7/27/2017 0:55	30.07	68.6	5.24	6.0	SR5	7/27/2017 6:55	29.80	70.2	5.36	6.5	SR5	7/27/2017 12:55	29.80	70.2	5.36	6.2	SR5	7/27/2017 18:55	30.17	68.4	5.22	5.6
SR5	7/27/2017 1:00	30.08	69.8	5.33	5.4	SR5	7/27/2017 7:00	29.81	69.7	5.32	6.6	SR5	7/27/2017 13:00	29.79	69.4	5.30	6.7	SR5	7/27/2017 19:00	30.15	70.1	5.35	5.7
SR5	7/27/2017 1:05	30.02	69.8	5.33	5.7	SR5	7/27/2017 7:05	29.81	69.8	5.33	6.3	SR5	7/27/2017 13:05	29.82	68.5	5.23	6.4	SR5	7/27/2017 19:05	30.18	69.7	5.32	5.8
SR5	7/27/2017 1:10	30.06	70.2	5.36	5.4	SR5	7/27/2017 7:10	29.78	69.7	5.32	6.6	SR5	7/27/2017 13:10	29.80	69.0	5.27	5.9	SR5	7/27/2017 19:10	30.17	70.0	5.34	6.0
SR5	7/27/2017 1:15	30.02	69.7	5.32	5.6	SR5	7/27/2017 7:15	29.81	69.0	5.27	6.2	SR5	7/27/2017 13:15	29.81	69.8	5.33	6.1	SR5	7/27/2017 19:15	29.71	69.7	5.32	6.2
SR5	7/27/2017 1:20	30.01	65.7	5.22	5.5	SR5	7/27/2017 7:20	29.77	68.6	5.24	6.2	SR5	7/27/2017 13:20	29.81	67.7	5.21	6.3	SR5	7/27/2017 19:20	29.76	69.3	5.29	5.9
SR5	7/27/2017 1:25	30.05	65.8	5.22	5.5	SR5	7/27/2017 7:25	29.79	70.5	5.38	6.4	SR5	7/27/2017 13:25	29.84	67.8	5.21	5.9	SR5	7/27/2017 19:25	29.61	68.9	5.26	6.2
SR5	7/27/2017 1:30	30.01	65.6	5.22	5.3	SR5	7/27/2017 7:30	29.81	69.7	5.32	6.3	SR5	7/27/2017 13:30	29.80	67.9	5.21	6.3	SR5	7/27/2017 19:30	29.59	69.0	5.27	5.9
SR5	7/27/2017 1:35	30.03	66.2	5.24	5.4	SR5	7/27/2017 7:35	29.80	68.4	5.22	6.2	SR5	7/27/2017 13:35	29.84	67.9	5.20	6.6	SR5	7/27/2017 19:35	29.68	68.6	5.24	6.1
SR5	7/27/2017 1:40	30.01	65.8	5.24	5.9	SR5	7/27/2017 7:40	29.79	69.0	5.27	6.3	SR5	7/27/2017 13:40	29.83	68.2	5.24	5.9	SR5	7/27/2017 19:40	29.62	68.6	5.24	6.0
SR5	7/27/2017 1:45	29.99	69.6	5.31	5.7	SR5	7/27/2017 7:45	29.79	69.4	5.30	6.7	SR5	7/27/2017 13:45	29.85	68.5	5.27	6.0	SR5	7/27/2017 19:45	29.88	69.2	5.28	5.9
SR5	7/27/2017 1:50	30.02	70.3	5.37	6.0	SR5	7/27/2017 7:50	29.80	69.7	5.32	6.6	SR5	7/27/2017 13:50	29.86	69.0	5.30	6.1	SR5	7/27/2017 19:50	30.00	68.8	5.25	6.1
SR5	7/27/2017 1:55	30.00	68.6	5.24	5.9	SR5	7/27/2017 7:55	29.77	70.6	5.39	6.6	SR5	7/27/2017 13:55	29.85	69.5	5.35	6.0	SR5	7/27/2017 19:55	30.01	69.2	5.28	5.9
SR5	7/27/2017 2:00	30.00	69.6	5.31	5.3	SR5	7/27/2017 8:00	29.80	70.2	5.36	6.4	SR5	7/27/2017 14:00	29.86	69.5	5.35	6.2	SR5	7/27/2017 20:00	30.00	70.2	5.36	6.1
SR5	7/27/2017 2:05	29.99	70.1	5.35	5.6	SR5	7/27/2017 8:05	29.80	70.5	5.38	6.6	SR5	7/27/2017 14:05	29.91	69.9	5.36	6.1	SR5	7/27/2017 20:05	29.87	70.6	5.39	6.4
SR5	7/27/2017 2:10	30.02	70.5	5.38	5.7	SR5	7/27/2017 8:10	29.81	69.8	5.33	6.4	SR5	7/27/2017 14:10	29.89	69.7	5.38	5.8	SR5	7/27/2017 20:10	29.82	69.8	5.33	6.4
SR5	7/27/2017 2:15	29.98	66.0	5.25	5.8	SR5	7/27/2017 8:15	29.78	68.9	5.26	7.1	SR5	7/27/2017 14:15	29.93	69.8	5.37	6.3	SR5	7/27/2017 20:15	29.79	70.6	5.39	6.6
SR5	7/27/2017 2:20	29.97	66.1	5.25	5.5	SR5	7/27/2017 8:20	29.79	70.3	5.37	6.4	SR5	7/27/2017 14:20	29.89	69.9	5.40	6.3	SR5	7/27/2017 20:20	29.86	69.6	5.31	6.3
SR5	7/27/2017 2:25	30.00	66.1	5.24	5.6	SR5	7/27/2017 8:25	29.78	70.1	5.35	7.6	SR5	7/27/2017 14:25	29.95	69.2	5.34	6.3	SR5	7/27/2017 20:25	29.76	69.6	5.31	6.3
SR5	7/27/2017 2:30	30.00	66.4	5.28	6.0	SR5	7/27/2017 8:30	29.78	69.6	5.31	6.9	SR5	7/27/2017 14:30	29.95	69.2	5.36	6.1	SR5	7/27/2017 20:30	29.89	70.6	5.39	6.2
SR5	7/27/2017 2:35	29.96	66.3	5.27	5.7	SR5	7/27/2017 8:35	29.81	69.2	5.28	6.6	SR5	7/27/2017 14:35	29.98	69.0	5.36	6.0	SR5	7/27/2017 20:35	29.89	68.6	5.24	6.4
SR5	7/27/2017 2:40	29.95	66.8	5.33	1.3	SR5	7/27/2017 8:40	29.79	69.4	5.30	6.3	SR5	7/27/2017 14:40	29.97	68.9	5.34	6.5	SR5	7/27/2017 20:40	29.87	69.7	5.32	6.4
SR5	7/27/2017 2:45	29.99	66.8	5.32	6.3	SR5	7/27/2017 8:45	29.79	70.2	5.36	6.4	SR5	7/27/2017 14:45	29.98	67.6	5.25	6.2	SR5	7/27/2017 20:45	29.88	68.8	5.25	6.8
SR5	7/27/2017 2:50	29.96	66.7	5.30	6.1	SR5	7/27/2017 8:50	29.77	70.2	5.36	6.5	SR5	7/27/2017 14:50	30.00	68.3	5.30	6.2	SR5	7/27/2017 20:50	29.84	68.8	5.25	7.9
SR5	7/27/2017 2:55	29.94	66.7	5.31	6.0	SR5	7/27/2017 8:55	29.79	69.4	5.30	7.0	SR5	7/27/2017 14:55	29.98	68.2	5.29	6.1	SR5	7/27/2017 20:55	29.89	69.3	5.29	7.0
SR5	7/27/2017 3:00	29.93	66.8	5.30	6.2	SR5	7/27/2017 9:00	29.77	69.2	5.28	6.7	SR5	7/27/2017 15:00	29.97	68.5	5.33	6.2	SR5	7/27/2017 21:00	29.88	68.4	5.22	7.6
SR5	7/27/2017 3:05	29.97	66.0	5.24	6.1	SR5	7/27/2017 9:05	29.79	70.3	5.37	6.4	SR5	7/27/2017 15:05	30.00	68.9	5.35	6.0	SR5	7/27/2017 21:05	29.90	68.6	5.24	7.0
SR5	7/27/2017 3:10	29.93	65.9	5.25	6.2	SR5	7/27/2017 9:10	29.75	69.8	5.33	6.2	SR5	7/27/2017 15:10	29.99	69.0	5.36	6.3	SR5	7/27/2017 21:10	29.88	68.8	5.25	7.1
SR5	7/27/2017 3:15	29.97	65.6	5.21	5.6	SR5	7/27/2017 9:15	29.80	70.0	5.34	6.8	SR5	7/27/2017 15:15	30.02	68.4	5.32	6.0	SR5	7/27/2017 21:15	29.91	70.2	5.36	6.6
SR5	7/27/2017 3:20	29.92	70.3	5.37	6.3	SR5	7/27/2017 9:20	29.77	70.1	5.35	6.8	SR5	7/27/2017 15:20	30.01	68.1	5.30	6.2	SR5	7/27/2017 21:20	29.92	69.0	5.27	6.8
SR5	7/27/2017 3:25	29.96	69.4	5.30	5.9	SR5	7/27/2017 9:25	29.78	69.4	5.30	6.4	SR5	7/27/2017 15:25	30.01	67.3	5.22	6.4	SR5	7/27/2017 21:25	29.90	68.5	5.23	6.2
SR5	7/27/2017 3:30	29.95	69.7	5.32	5.8	SR5	7/27/2017 9:30	29.77	70.6	5.39	6.4	SR5	7/27/2017 15:30	29.99	67.4	5.25	5.9	SR5	7/27/2017 21:30	29.93	69.8	5.33	6.2
SR5	7/27/2017 3:35	29.92	68.6	5.24	6.0	SR5	7/27/2017 9:35	29.75	69.0	5.27	6.7	SR5	7/27/2017 15:35	30.00	67.9	5.29	6.5	SR5	7/27/2017 21:35	29.90	68.9	5.26	7.1
SR5	7/27/2017 3:40	29.91	69.4	5.30	6.3	SR5	7/27/2017 9:40	29.79	68.9	5.26	6.7	SR5	7/27/2017 15:40	30.02	68.2	5.29	6.5	SR5	7/27/2017 21:40	29.93	69.0	5.27	6.4
SR5	7/27/2017 3:45	29.90	70.6	5.39	6.0	SR5	7/27/2017 9:45	29.78	68.4	5.22	6.8	SR5	7/27/2017 15:45	29.99	67.6	5.25	6.1	SR5	7/27/2017 21:45	29.89	68.4	5.22	6.7
SR5	7/27/2017 3:50	29.94	70.2	5.36	5.8	SR5	7/27/2017 9:50	29.75	69.7	5.32	6.4	SR5	7/27/2017 15:50	29.99	67.9	5.28	6.1	SR5	7/27/2017 21:50	29.92	70.1	5.35	6.2
SR5	7/27/2017 3:55	29.90	70.3	5.37	6.5	SR5	7/27/2017 9:55	29.78	69.4	5.30	7.1	SR5	7/27/2017 15:55	30.05	67.8	5.27	6.5	SR5	7/27/				

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	7/27/2017 0:01	29.68	65.5	5.12	4.8	SR12	7/27/2017 6:01	29.21	60.5	4.77	7.1	SR12	7/27/2017 12:01	29.40	67.7	5.26	9.3	SR12	7/27/2017 18:01	29.64	65.4	5.10	8.4
SR12	7/27/2017 0:06	29.68	65.7	5.13	5.1	SR12	7/27/2017 6:06	29.21	61.3	4.82	6.7	SR12	7/27/2017 12:06	29.39	68.4	5.30	8.7	SR12	7/27/2017 18:06	29.63	66.1	5.15	6.9
SR12	7/27/2017 0:11	29.68	66.0	5.16	5.5	SR12	7/27/2017 6:11	29.20	61.8	4.88	7.2	SR12	7/27/2017 12:11	29.40	67.9	5.25	9.6	SR12	7/27/2017 18:11	29.65	66.4	5.18	7.7
SR12	7/27/2017 0:16	29.68	66.0	5.15	5.6	SR12	7/27/2017 6:16	29.19	62.5	4.92	7.1	SR12	7/27/2017 12:16	29.38	69.1	5.34	9.9	SR12	7/27/2017 18:16	29.67	67.5	5.25	7.8
SR12	7/27/2017 0:21	29.68	65.5	5.11	4.9	SR12	7/27/2017 6:21	29.18	61.4	4.84	7.3	SR12	7/27/2017 12:21	29.41	69.2	5.34	9.7	SR12	7/27/2017 18:21	29.72	66.9	5.20	7.7
SR12	7/27/2017 0:26	29.71	65.5	5.13	5.1	SR12	7/27/2017 6:26	29.20	60.9	4.80	6.9	SR12	7/27/2017 12:26	29.40	69.4	5.36	8.2	SR12	7/27/2017 18:26	29.73	67.0	5.20	7.6
SR12	7/27/2017 0:31	29.70	64.9	5.08	5.4	SR12	7/27/2017 6:31	29.19	61.5	4.84	7.3	SR12	7/27/2017 12:31	29.41	69.0	5.33	9.1	SR12	7/27/2017 18:31	29.68	66.2	5.16	7.6
SR12	7/27/2017 0:36	29.68	65.2	5.10	4.8	SR12	7/27/2017 6:36	29.25	62.1	4.87	8.5	SR12	7/27/2017 12:36	29.42	69.6	5.36	8.5	SR12	7/27/2017 18:36	29.66	66.2	5.15	7.4
SR12	7/27/2017 0:41	29.69	65.1	5.08	5.0	SR12	7/27/2017 6:41	29.24	62.2	4.89	7.7	SR12	7/27/2017 12:41	29.43	70.6	5.44	8.6	SR12	7/27/2017 18:41	29.67	65.9	5.13	7.3
SR12	7/27/2017 0:46	29.71	65.7	5.14	5.4	SR12	7/27/2017 6:46	29.26	62.2	4.88	7.4	SR12	7/27/2017 12:46	29.42	70.4	5.43	8.2	SR12	7/27/2017 18:46	29.64	65.4	5.09	6.7
SR12	7/27/2017 0:51	29.69	65.0	5.09	5.5	SR12	7/27/2017 6:51	29.26	61.8	4.85	7.9	SR12	7/27/2017 12:51	29.41	69.9	5.38	8.4	SR12	7/27/2017 18:51	29.65	64.6	5.03	6.4
SR12	7/27/2017 0:56	29.71	65.4	5.11	5.6	SR12	7/27/2017 6:56	29.28	62.0	4.87	8.9	SR12	7/27/2017 12:56	29.54	69.9	5.38	7.8	SR12	7/27/2017 18:56	29.65	64.4	5.03	6.4
SR12	7/27/2017 1:01	29.70	65.2	5.10	5.1	SR12	7/27/2017 7:01	29.29	62.0	4.84	8.4	SR12	7/27/2017 13:01	29.42	69.3	5.35	9.0	SR12	7/27/2017 19:01	29.64	64.1	5.01	6.6
SR12	7/27/2017 1:06	29.67	65.6	5.13	5.3	SR12	7/27/2017 7:06	29.30	62.6	4.90	8.3	SR12	7/27/2017 13:06	29.45	69.7	5.38	8.4	SR12	7/27/2017 19:06	29.64	63.5	4.95	6.6
SR12	7/27/2017 1:11	29.71	66.2	5.18	5.1	SR12	7/27/2017 7:11	29.30	61.7	4.83	7.1	SR12	7/27/2017 13:11	29.41	70.1	5.40	8.3	SR12	7/27/2017 19:11	29.64	63.9	5.00	6.6
SR12	7/27/2017 1:16	29.56	66.5	5.19	5.2	SR12	7/27/2017 7:16	29.30	61.4	4.81	7.3	SR12	7/27/2017 13:16	29.42	70.0	5.39	8.6	SR12	7/27/2017 19:16	29.61	63.8	4.98	7.0
SR12	7/27/2017 1:21	29.56	67.1	5.25	5.0	SR12	7/27/2017 7:21	29.28	61.6	4.83	7.0	SR12	7/27/2017 13:21	29.39	69.7	5.38	9.2	SR12	7/27/2017 19:21	29.42	63.4	4.95	6.8
SR12	7/27/2017 1:26	29.57	66.9	5.23	5.3	SR12	7/27/2017 7:26	29.29	61.2	4.78	7.2	SR12	7/27/2017 13:26	29.41	70.2	5.42	8.1	SR12	7/27/2017 19:26	29.33	63.9	4.98	7.0
SR12	7/27/2017 1:31	29.55	66.7	5.21	4.9	SR12	7/27/2017 7:31	29.29	61.1	4.78	7.0	SR12	7/27/2017 13:31	29.42	70.2	5.41	8.8	SR12	7/27/2017 19:31	29.30	63.9	5.10	6.6
SR12	7/27/2017 1:36	29.58	67.7	5.30	4.9	SR12	7/27/2017 7:36	29.29	61.3	4.80	7.3	SR12	7/27/2017 13:36	29.40	70.2	5.40	9.2	SR12	7/27/2017 19:36	29.35	65.3	5.09	7.0
SR12	7/27/2017 1:41	29.56	67.4	5.28	5.4	SR12	7/27/2017 7:41	29.29	62.0	4.84	7.0	SR12	7/27/2017 13:41	29.42	70.8	5.45	9.0	SR12	7/27/2017 19:41	29.32	65.8	5.13	6.7
SR12	7/27/2017 1:46	29.56	67.2	5.25	5.4	SR12	7/27/2017 7:46	29.29	61.4	4.80	7.2	SR12	7/27/2017 13:46	29.51	70.9	5.46	9.3	SR12	7/27/2017 19:46	29.43	66.4	5.17	7.0
SR12	7/27/2017 1:51	29.57	67.2	5.26	5.5	SR12	7/27/2017 7:51	29.31	62.3	4.87	7.3	SR12	7/27/2017 13:51	29.49	72.2	5.55	8.7	SR12	7/27/2017 19:51	29.49	66.5	5.19	6.7
SR12	7/27/2017 1:56	29.56	67.5	5.28	5.7	SR12	7/27/2017 7:56	29.29	61.9	4.84	7.4	SR12	7/27/2017 13:56	29.58	72.5	5.58	8.7	SR12	7/27/2017 19:56	29.49	66.2	5.16	6.8
SR12	7/27/2017 2:01	29.56	66.9	5.23	5.3	SR12	7/27/2017 8:01	29.31	61.9	4.83	6.9	SR12	7/27/2017 14:01	29.66	72.2	5.56	9.0	SR12	7/27/2017 20:01	29.49	66.2	5.16	6.9
SR12	7/27/2017 2:06	29.55	67.1	5.25	5.2	SR12	7/27/2017 8:06	29.31	62.1	4.85	6.8	SR12	7/27/2017 14:06	29.68	72.7	5.60	8.4	SR12	7/27/2017 20:06	29.43	65.7	5.12	7.6
SR12	7/27/2017 2:11	29.55	67.5	5.28	5.7	SR12	7/27/2017 8:11	29.32	62.0	4.83	6.5	SR12	7/27/2017 14:11	29.68	71.9	5.56	8.3	SR12	7/27/2017 20:11	29.41	65.6	5.12	6.3
SR12	7/27/2017 2:16	29.53	67.7	5.30	5.6	SR12	7/27/2017 8:16	29.31	62.5	4.88	7.0	SR12	7/27/2017 14:16	29.70	72.0	5.56	8.8	SR12	7/27/2017 20:16	29.40	65.3	5.09	6.9
SR12	7/27/2017 2:21	29.52	67.7	5.29	5.2	SR12	7/27/2017 8:21	29.32	62.4	4.87	6.5	SR12	7/27/2017 14:21	29.64	72.1	5.57	8.7	SR12	7/27/2017 20:21	29.45	65.0	5.06	6.5
SR12	7/27/2017 2:26	29.52	67.1	5.24	6.0	SR12	7/27/2017 8:26	29.32	62.6	4.89	6.9	SR12	7/27/2017 14:26	29.62	71.4	5.54	8.9	SR12	7/27/2017 20:26	29.40	64.6	5.03	7.6
SR12	7/27/2017 2:31	29.52	67.5	5.28	5.9	SR12	7/27/2017 8:31	29.32	62.6	4.89	6.8	SR12	7/27/2017 14:31	29.61	71.1	5.52	8.5	SR12	7/27/2017 20:31	29.47	64.8	5.06	7.0
SR12	7/27/2017 2:36	29.50	67.5	5.27	5.9	SR12	7/27/2017 8:36	29.33	62.8	4.89	6.3	SR12	7/27/2017 14:36	29.62	70.7	5.48	8.4	SR12	7/27/2017 20:36	29.47	64.9	5.07	7.2
SR12	7/27/2017 2:41	29.49	68.7	5.38	7.2	SR12	7/27/2017 8:41	29.33	62.9	4.91	6.4	SR12	7/27/2017 14:41	29.61	70.4	5.46	9.5	SR12	7/27/2017 20:41	29.45	66.3	5.17	7.3
SR12	7/27/2017 2:46	29.50	68.4	5.36	6.5	SR12	7/27/2017 8:46	29.34	62.7	4.88	6.3	SR12	7/27/2017 14:46	29.58	67.8	5.27	8.7	SR12	7/27/2017 20:46	29.46	65.1	5.08	6.5
SR12	7/27/2017 2:51	29.48	68.5	5.37	6.5	SR12	7/27/2017 8:51	29.33	62.7	4.88	6.8	SR12	7/27/2017 14:51	29.57	69.8	5.43	8.3	SR12	7/27/2017 20:51	29.43	64.6	5.05	7.8
SR12	7/27/2017 2:56	29.48	68.5	5.36	7.3	SR12	7/27/2017 8:56	29.35	62.5	4.88	6.8	SR12	7/27/2017 14:56	29.54	70.0	5.44	8.4	SR12	7/27/2017 20:56	29.46	64.5	5.03	7.3
SR12	7/27/2017 3:01	29.47	68.7	5.38	6.8	SR12	7/27/2017 9:01	29.33	62.7	4.91	6.5	SR12	7/27/2017 15:01	29.50	71.4	5.53	8.5	SR12	7/27/2017 21:01	29.46	64.5	5.03	7.4
SR12	7/27/2017 3:06	29.43	66.8	5.23	6.5	SR12	7/27/2017 9:06	29.34	62.4	4.87	6.2	SR12	7/27/2017 15:06	29.51	72.3	5.62	8.5	SR12	7/27/2017 21:06	29.47	64.7	5.05	7.4
SR12	7/27/2017 3:11	29.42	66.7	5.24	6.8	SR12	7/27/2017 9:11	29.32	61.8	4.82	6.1	SR12	7/27/2017 15:11	29.49	71.8	5.58	8.6	SR12	7/27/2017 21:11	29.46	64.2	5.02	7.2
SR12	7/27/2017 3:16	29.44	65.9	5.17	6.1	SR12	7/27/2017 9:16	29.33	61.5	4.79	6.7	SR12	7/27/2017 15:16	29.51	70.9	5.51	8.2	SR12	7/27/2017 21:16	29.47	64.0	5.00	6.7
SR12	7/27/2017 3:21	29.40	65.4	5.13	7.5	SR12	7/27/2017 9:21	29.31	61.4	4.79	6.5	SR12	7/27/2017 15:21	29.48	70.4	5.46	8.6	SR12	7/27/2017 21:21	29.48	63.4	4.95	6.9
SR12	7/27/2017 3:26	29.43	64.8	5.08	7.0	SR12	7/27/2017 9:26	29.31	61.7	4.81	6.3	SR12	7/27/2017 15:26	29.48	68.5	5.32	8.5	SR12	7/27/2017 21:26	29.47	63.5	4.97	6.2
SR12	7/27/2017 3:31	29.40	65.6	5.13	6.1	SR12	7/27/2017 9:31	29.33	61.8	4.82	6.3	SR12	7/27/2017 15:31	29.47	68.8	5.35	6.9	SR12	7/27/2017 21:31	29.49	63.8	4.98	7.2
SR12	7/27/2017 3:36	29.40	64.1	5.03	6.8	SR12	7/27/2017 9:36	29.32	61.9	4.82	6.4	SR12	7/27/2017 15:36	29.47	69.9	5.43	9.1	SR12	7/27/2017 21:36	29.47	64.0	5.00	7.0
SR12	7/27/2017 3:41	29.40	63.3	4.97	6.8	SR12	7/27/2017 9:41	29.34	62.1	4.85	6.8	SR12	7/27/2017 15:41	29.47	71.3	5.52	8.5	SR12	7/27/2017 21:41	29.48	63.9	4.98	7.0
SR12	7/27/2017 3:46	29.40	63.8	5.00	6.4	SR12	7/27/2017 9:46	29.33	62.9	4.90	6.7	SR12	7/27/2017 15:46	29.55	69.8	5.41	6.2	SR12	7/27/2017 21:46	29.46	63.5	4.96	7.1
SR12	7/27/2017 3:51	29.43	62.8	4.92	6.1	SR12	7/27/2017 9:51	29.31	62.9	4.91	7.1	SR12	7/27/2017 15:51	29.60									



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	7/27/2017 0:00	29.94	63.4	5.05	5.8	SR13	7/27/2017 6:00	29.97	58.2	4.66	6.5	SR13	7/27/2017 12:00	30.02	66.4	5.27	7.9	SR13	7/27/2017 18:00	29.60	64.8	5.15	6.4
SR13	7/27/2017 0:05	29.93	63.5	5.06	5.9	SR13	7/27/2017 6:05	29.98	58.8	4.71	6.9	SR13	7/27/2017 12:05	29.98	66.8	5.30	7.9	SR13	7/27/2017 18:05	29.48	64.8	5.15	6.6
SR13	7/27/2017 0:10	29.96	63.7	5.09	6.0	SR13	7/27/2017 6:10	29.98	58.8	4.72	6.4	SR13	7/27/2017 12:10	30.01	66.6	5.27	8.1	SR13	7/27/2017 18:10	29.59	64.9	5.15	6.4
SR13	7/27/2017 0:15	29.94	63.7	5.08	6.5	SR13	7/27/2017 6:15	29.97	59.2	4.74	6.8	SR13	7/27/2017 12:15	30.00	67.4	5.33	7.7	SR13	7/27/2017 18:15	29.61	65.8	5.21	5.2
SR13	7/27/2017 0:20	29.95	63.5	5.05	6.2	SR13	7/27/2017 6:20	29.96	58.6	4.70	7.0	SR13	7/27/2017 12:20	30.00	67.6	5.34	8.2	SR13	7/27/2017 18:20	29.65	65.5	5.19	6.0
SR13	7/27/2017 0:25	29.98	63.5	5.06	5.9	SR13	7/27/2017 6:25	30.01	58.4	4.68	6.9	SR13	7/27/2017 12:25	30.00	68.0	5.37	7.8	SR13	7/27/2017 18:25	29.52	65.5	5.18	5.9
SR13	7/27/2017 0:30	29.98	63.2	5.05	6.0	SR13	7/27/2017 6:30	29.95	58.6	4.69	7.0	SR13	7/27/2017 12:30	30.00	67.9	5.37	8.6	SR13	7/27/2017 18:30	29.47	64.4	5.11	6.3
SR13	7/27/2017 0:35	29.98	63.4	5.05	6.1	SR13	7/27/2017 6:35	29.96	59.0	4.71	7.1	SR13	7/27/2017 12:35	29.96	68.6	5.41	8.0	SR13	7/27/2017 18:35	29.41	64.3	5.10	6.0
SR13	7/27/2017 0:40	29.95	63.4	5.05	5.6	SR13	7/27/2017 6:40	29.99	59.2	4.74	7.0	SR13	7/27/2017 12:40	30.01	69.1	5.46	7.7	SR13	7/27/2017 18:40	29.33	64.1	5.08	6.3
SR13	7/27/2017 0:45	29.96	63.8	5.09	5.8	SR13	7/27/2017 6:45	29.97	59.2	4.73	7.2	SR13	7/27/2017 12:45	29.97	68.9	5.45	7.8	SR13	7/27/2017 18:45	29.33	64.4	5.11	6.5
SR13	7/27/2017 0:50	29.97	63.4	5.06	6.1	SR13	7/27/2017 6:50	29.98	59.0	4.72	6.9	SR13	7/27/2017 12:50	29.97	68.8	5.43	7.9	SR13	7/27/2017 18:50	29.35	64.0	5.08	5.9
SR13	7/27/2017 0:55	29.99	63.6	5.06	6.3	SR13	7/27/2017 6:55	29.98	59.2	4.73	7.4	SR13	7/27/2017 12:55	30.01	69.0	5.43	7.7	SR13	7/27/2017 18:55	29.36	63.8	5.07	6.4
SR13	7/27/2017 1:00	29.97	63.5	5.08	6.0	SR13	7/27/2017 7:00	29.96	59.4	4.73	7.2	SR13	7/27/2017 13:00	29.98	68.6	5.42	8.5	SR13	7/27/2017 19:00	29.37	63.8	5.07	6.1
SR13	7/27/2017 1:05	30.01	63.8	5.09	6.0	SR13	7/27/2017 7:05	29.99	59.9	4.78	7.3	SR13	7/27/2017 13:05	29.97	69.0	5.45	8.2	SR13	7/27/2017 19:05	29.37	63.3	5.03	6.4
SR13	7/27/2017 1:10	29.99	64.1	5.13	6.4	SR13	7/27/2017 7:10	29.98	59.2	4.72	7.4	SR13	7/27/2017 13:10	29.31	68.8	5.44	7.6	SR13	7/27/2017 19:10	29.35	63.5	5.05	6.3
SR13	7/27/2017 1:15	29.98	65.7	5.22	6.5	SR13	7/27/2017 7:15	29.96	58.9	4.70	7.9	SR13	7/27/2017 13:15	29.37	68.9	5.44	7.5	SR13	7/27/2017 19:15	29.32	63.3	5.03	6.3
SR13	7/27/2017 1:20	29.99	65.7	5.22	6.5	SR13	7/27/2017 7:20	29.97	59.0	4.71	7.6	SR13	7/27/2017 13:20	29.44	68.6	5.43	7.4	SR13	7/27/2017 19:20	29.30	62.8	4.99	6.3
SR13	7/27/2017 1:25	30.02	65.9	5.24	6.6	SR13	7/27/2017 7:25	30.00	58.6	4.67	7.7	SR13	7/27/2017 13:25	29.52	68.7	5.43	7.6	SR13	7/27/2017 19:25	29.25	62.7	4.98	6.2
SR13	7/27/2017 1:30	30.00	65.7	5.22	6.3	SR13	7/27/2017 7:30	30.00	58.5	4.66	8.1	SR13	7/27/2017 13:30	29.51	68.9	5.44	7.8	SR13	7/27/2017 19:30	29.25	63.2	5.02	6.6
SR13	7/27/2017 1:35	29.99	66.3	5.27	6.4	SR13	7/27/2017 7:35	29.99	58.5	4.67	7.9	SR13	7/27/2017 13:35	29.87	68.9	5.44	7.5	SR13	7/27/2017 19:35	29.22	63.0	5.00	6.4
SR13	7/27/2017 1:40	30.02	65.7	5.23	6.3	SR13	7/27/2017 7:40	30.01	58.8	4.68	8.6	SR13	7/27/2017 13:40	29.87	69.4	5.48	7.6	SR13	7/27/2017 19:40	29.15	62.9	4.99	6.0
SR13	7/27/2017 1:45	30.00	65.7	5.22	6.6	SR13	7/27/2017 7:45	29.97	58.8	4.68	8.2	SR13	7/27/2017 13:45	29.79	70.1	5.53	8.1	SR13	7/27/2017 19:45	29.04	63.4	5.03	6.2
SR13	7/27/2017 1:50	29.99	65.7	5.22	6.9	SR13	7/27/2017 7:50	29.99	59.4	4.73	7.7	SR13	7/27/2017 13:50	29.62	70.7	5.57	7.6	SR13	7/27/2017 19:50	29.09	63.4	5.04	6.2
SR13	7/27/2017 1:55	29.99	65.8	5.23	6.7	SR13	7/27/2017 7:55	29.98	59.2	4.72	8.2	SR13	7/27/2017 13:55	29.49	71.5	5.63	7.9	SR13	7/27/2017 19:55	29.14	63.2	5.02	6.3
SR13	7/27/2017 2:00	30.03	65.7	5.22	6.8	SR13	7/27/2017 8:00	30.00	59.2	4.71	8.6	SR13	7/27/2017 14:00	29.40	71.8	5.65	7.4	SR13	7/27/2017 20:00	29.22	63.3	5.03	6.4
SR13	7/27/2017 2:05	29.99	65.9	5.24	6.7	SR13	7/27/2017 8:05	29.98	59.3	4.72	7.9	SR13	7/27/2017 14:05	29.33	72.3	5.69	7.2	SR13	7/27/2017 20:05	29.26	62.9	5.00	6.8
SR13	7/27/2017 2:10	30.04	66.1	5.26	7.1	SR13	7/27/2017 8:10	30.01	59.3	4.71	8.4	SR13	7/27/2017 14:10	29.23	72.2	5.70	7.6	SR13	7/27/2017 20:10	29.20	63.2	5.02	6.7
SR13	7/27/2017 2:15	30.00	66.2	5.27	6.8	SR13	7/27/2017 8:15	29.99	59.5	4.74	8.4	SR13	7/27/2017 14:15	29.12	72.4	5.71	7.4	SR13	7/27/2017 20:15	29.11	63.0	5.00	6.1
SR13	7/27/2017 2:20	29.99	66.3	5.27	6.8	SR13	7/27/2017 8:20	30.00	59.6	4.74	9.0	SR13	7/27/2017 14:20	29.24	72.5	5.72	7.4	SR13	7/27/2017 20:20	29.11	62.8	4.98	6.7
SR13	7/27/2017 2:25	30.01	66.5	5.29	6.5	SR13	7/27/2017 8:25	30.01	59.7	4.76	9.0	SR13	7/27/2017 14:25	29.44	71.4	5.65	7.2	SR13	7/27/2017 20:25	29.13	62.2	4.94	6.5
SR13	7/27/2017 2:30	30.02	67.0	5.34	6.9	SR13	7/27/2017 8:30	29.98	60.0	4.78	7.8	SR13	7/27/2017 14:30	29.44	71.3	5.64	7.3	SR13	7/27/2017 20:30	29.06	63.2	5.02	6.2
SR13	7/27/2017 2:35	30.02	67.0	5.32	6.5	SR13	7/27/2017 8:35	29.98	60.1	4.78	7.9	SR13	7/27/2017 14:35	29.41	71.2	5.63	7.1	SR13	7/27/2017 20:35	29.07	62.5	4.96	6.6
SR13	7/27/2017 2:40	30.00	67.7	5.39	6.6	SR13	7/27/2017 8:40	30.02	60.2	4.79	8.2	SR13	7/27/2017 14:40	29.41	71.0	5.62	7.7	SR13	7/27/2017 20:40	29.11	63.7	5.06	6.8
SR13	7/27/2017 2:45	30.03	67.4	5.37	6.1	SR13	7/27/2017 8:45	30.00	60.2	4.78	7.7	SR13	7/27/2017 14:45	29.44	69.4	5.50	6.6	SR13	7/27/2017 20:45	29.13	63.1	5.01	6.3
SR13	7/27/2017 2:50	30.05	67.3	5.36	6.7	SR13	7/27/2017 8:50	30.00	60.2	4.78	7.9	SR13	7/27/2017 14:50	29.33	70.1	5.56	7.3	SR13	7/27/2017 20:50	29.13	62.8	5.00	6.7
SR13	7/27/2017 2:55	30.04	67.2	5.35	6.5	SR13	7/27/2017 8:55	30.02	60.2	4.79	8.1	SR13	7/27/2017 14:55	29.25	69.6	5.52	7.5	SR13	7/27/2017 20:55	29.13	62.9	4.99	6.2
SR13	7/27/2017 3:00	30.05	67.3	5.36	6.2	SR13	7/27/2017 9:00	29.99	60.3	4.80	7.4	SR13	7/27/2017 15:00	29.13	69.6	5.51	7.1	SR13	7/27/2017 21:00	29.13	62.8	4.99	6.3
SR13	7/27/2017 3:05	30.04	66.3	5.29	6.1	SR13	7/27/2017 9:05	30.03	60.1	4.78	7.7	SR13	7/27/2017 15:05	29.10	70.2	5.57	7.6	SR13	7/27/2017 21:05	29.12	62.7	4.98	6.7
SR13	7/27/2017 3:10	30.05	66.5	5.31	6.6	SR13	7/27/2017 9:10	30.02	59.7	4.75	8.1	SR13	7/27/2017 15:10	29.13	70.4	5.59	7.7	SR13	7/27/2017 21:10	29.13	62.3	4.96	6.5
SR13	7/27/2017 3:15	30.02	65.8	5.25	6.4	SR13	7/27/2017 9:15	29.99	59.4	4.72	8.2	SR13	7/27/2017 15:15	29.15	69.6	5.52	7.4	SR13	7/27/2017 21:15	29.13	62.1	4.94	6.6
SR13	7/27/2017 3:20	30.03	64.6	5.16	6.1	SR13	7/27/2017 9:20	30.03	59.1	4.70	10.7	SR13	7/27/2017 15:20	29.16	69.2	5.49	7.4	SR13	7/27/2017 21:20	29.13	61.5	4.89	6.3
SR13	7/27/2017 3:25	30.02	65.8	5.25	6.4	SR13	7/27/2017 9:25	30.03	59.3	4.72	7.8	SR13	7/27/2017 15:25	29.15	68.1	5.40	7.6	SR13	7/27/2017 21:25	29.15	61.4	4.88	6.2
SR13	7/27/2017 3:30	30.05	62.1	4.95	6.6	SR13	7/27/2017 9:30	29.99	59.6	4.74	7.8	SR13	7/27/2017 15:30	29.16	68.3	5.42	8.9	SR13	7/27/2017 21:30	29.15	61.9	4.92	6.2
SR13	7/27/2017 3:35	30.03	64.1	5.12	6.2	SR13	7/27/2017 9:35	30.02	59.9	4.76	7.4	SR13	7/27/2017 15:35	29.13	68.9	5.47	8.2	SR13	7/27/2017 21:35	29.14	62.0	4.93	6.5
SR13	7/27/2017 3:40	30.02	61.4	4.90	7.1	SR13	7/27/2017 9:40	30.02	60.3	4.80	7.7	SR13	7/27/2017 15:40	29.11	69.0	5.47	7.1	SR13	7/27/2017 21:40	29.11	62.2	4.94	6.6
SR13	7/27/2017 3:45	30.01	63.5	5.06	6.6	SR13	7/27/2017 9:45	30.01	61.2	4.87	8.3	SR13	7/27/2017 15:45	29.07	68.1	5.39	7.7	SR13	7/27/2017 21:45	29.09	62.0	4.93	6.7
SR13	7/27/2017 3:50	30.03	62.3	4.97	6.8	SR13	7/27/2017 9:50	30.04	61.4	4.89	8.1	SR13	7/27/2017 15:50	29.04									

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	7/27/2017 0:17	0.15				SR12	7/27/2017 0:17	0.20			
SR4	7/27/2017 0:37	0.15				SR12	7/27/2017 0:37	0.18			
SR4	7/27/2017 0:57	0.13				SR12	7/27/2017 0:57	0.20			
SR4	7/27/2017 1:17	0.14				SR12	7/27/2017 1:17	0.19			
SR4	7/27/2017 1:37	0.14				SR12	7/27/2017 1:37	0.20			
SR4	7/27/2017 1:57	0.14				SR12	7/27/2017 1:57	0.19			
SR4	7/27/2017 2:17	0.14				SR12	7/27/2017 2:17	0.19			
SR4	7/27/2017 2:37	0.15				SR12	7/27/2017 2:37	0.20			
SR4	7/27/2017 2:57	0.15				SR12	7/27/2017 2:57	0.18			
SR4	7/27/2017 3:17	0.15				SR12	7/27/2017 3:17	0.20			
SR4	7/27/2017 3:37	0.14				SR12	7/27/2017 3:37	0.18			
SR4	7/27/2017 3:57	0.14				SR12	7/27/2017 3:57	0.18			
SR4	7/27/2017 4:17	0.14				SR12	7/27/2017 4:17	0.18			
SR4	7/27/2017 4:37	0.13				SR12	7/27/2017 4:37	0.20			
SR4	7/27/2017 4:57	0.13				SR12	7/27/2017 4:57	0.18			
SR4	7/27/2017 5:17	0.15				SR12	7/27/2017 5:17	0.19			
SR4	7/27/2017 5:37	0.14				SR12	7/27/2017 5:37	0.18			
SR4	7/27/2017 5:57	0.14				SR12	7/27/2017 5:57	0.20			
SR4						SR12					
SR4	7/27/2017 6:37	0.13				SR12	7/27/2017 6:37	0.20			
SR4	7/27/2017 6:57	0.13				SR12	7/27/2017 6:57	0.18			
SR4	7/27/2017 7:17	0.16				SR12	7/27/2017 7:17	0.20			
SR4	7/27/2017 7:37	0.12				SR12	7/27/2017 7:37	0.18			
SR4	7/27/2017 7:57	0.13				SR12	7/27/2017 7:57	0.18			
SR4	7/27/2017 8:17	0.16				SR12	7/27/2017 8:17	0.18			
SR4	7/27/2017 8:37	0.12				SR12	7/27/2017 8:37	0.19			
SR4	7/27/2017 8:57	0.11				SR12	7/27/2017 8:57	0.20			
SR4	7/27/2017 9:17	0.15				SR12	7/27/2017 9:17	0.20			
SR4	7/27/2017 9:37	0.11				SR12	7/27/2017 9:37	0.20			
SR4	7/27/2017 9:57	0.15				SR12	7/27/2017 9:57	0.19			
SR4	7/27/2017 10:17	0.11				SR12	7/27/2017 10:17	0.20			
SR4	7/27/2017 10:37	0.13				SR12	7/27/2017 10:37	0.20			
SR4	7/27/2017 10:57	0.11				SR12	7/27/2017 10:57	0.18			
SR4	7/27/2017 11:17	0.16				SR12	7/27/2017 11:17	0.17			
SR4	7/27/2017 11:37	0.14				SR12	7/27/2017 11:37	0.16			
SR4	7/27/2017 11:57	0.16				SR12	7/27/2017 11:57	0.18			
SR4	7/27/2017 12:17	0.12				SR12	7/27/2017 12:17	0.15			
SR4	7/27/2017 12:37	0.16				SR12	7/27/2017 12:37	0.17			
SR4	7/27/2017 12:57	0.12				SR12	7/27/2017 12:57	0.17			
SR4	7/27/2017 13:17	0.11				SR12	7/27/2017 13:17	0.16			
SR4	7/27/2017 13:37	0.12				SR12	7/27/2017 13:37	0.16			
SR4	7/27/2017 13:57	0.11				SR12	7/27/2017 13:57	0.15			
SR4	7/27/2017 14:17	0.12				SR12	7/27/2017 14:17	0.18			
SR4	7/27/2017 14:37	0.14				SR12	7/27/2017 14:37	0.15			
SR4	7/27/2017 14:57	0.14				SR12	7/27/2017 14:57	0.16			
SR4	7/27/2017 15:17	0.15				SR12	7/27/2017 15:17	0.18			
SR4	7/27/2017 15:37	0.11				SR12	7/27/2017 15:37	0.16			
SR4	7/27/2017 15:57	0.16				SR12	7/27/2017 15:57	0.17			
SR4	7/27/2017 16:17	0.15				SR12	7/27/2017 16:17	0.15			
SR4	7/27/2017 16:37	0.12				SR12	7/27/2017 16:37	0.17			
SR4	7/27/2017 16:57	0.16				SR12	7/27/2017 16:57	0.17			
SR4	7/27/2017 17:17	0.14				SR12	7/27/2017 17:17	0.15			
SR4	7/27/2017 17:37	0.13				SR12	7/27/2017 17:37	0.18			
SR4	7/27/2017 17:57	0.16				SR12	7/27/2017 17:57	0.17			
SR4	7/27/2017 18:17	0.12				SR12	7/27/2017 18:17	0.15			
SR4	7/27/2017 18:37	0.16				SR12	7/27/2017 18:37	0.16			
SR4	7/27/2017 18:57	0.13				SR12	7/27/2017 18:57	0.16			
SR4	7/27/2017 19:17	0.12				SR12	7/27/2017 19:17	0.17			
SR4	7/27/2017 19:37	0.12				SR12	7/27/2017 19:37	0.16			
SR4	7/27/2017 19:57	0.11				SR12	7/27/2017 19:57	0.17			
SR4	7/27/2017 20:17	0.11				SR12	7/27/2017 20:17	0.18			
SR4	7/27/2017 20:37	0.12				SR12	7/27/2017 20:37	0.18			
SR4	7/27/2017 20:57	0.12				SR12	7/27/2017 20:57	0.15			
SR4	7/27/2017 21:17	0.10				SR12	7/27/2017 21:17	0.15			
SR4	7/27/2017 21:37	0.12				SR12	7/27/2017 21:37	0.15			
SR4	7/27/2017 21:57	0.12				SR12	7/27/2017 21:57	0.18			
SR4	7/27/2017 22:17	0.12				SR12	7/27/2017 22:17	0.18			
SR4	7/27/2017 22:37	0.12				SR12	7/27/2017 22:37	0.15			
SR4	7/27/2017 22:57	0.14				SR12	7/27/2017 22:57	0.17			
SR4	7/27/2017 23:17	0.14				SR12	7/27/2017 23:17	0.16			
SR4	7/27/2017 23:37	0.15				SR12	7/27/2017 23:37	0.18			
SR4	7/27/2017 23:57	0.14				SR12	7/27/2017 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. SR5 monitoring station was under maintenance during 12:00-12:20.

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	7/28/2017 0:01	29.21	68.4	5.25	6.5	SR4	7/28/2017 6:01	28.96	65.5	5.05	7.8	SR4	7/28/2017 12:01	29.61	70.1	5.33	7.0	SR4	7/28/2017 18:01	30.18	74.2	5.61	7.7
SR4	7/28/2017 0:06	29.21	68.9	5.28	5.8	SR4	7/28/2017 6:06	28.96	64.9	5.00	7.6	SR4	7/28/2017 12:06	29.58	73.0	5.52	7.7	SR4	7/28/2017 18:06	30.21	77.7	5.86	8.2
SR4	7/28/2017 0:11	29.21	69.2	5.31	5.5	SR4	7/28/2017 6:11	28.96	65.4	5.04	7.5	SR4	7/28/2017 12:11	29.60	73.6	5.56	5.9	SR4	7/28/2017 18:11	30.24	77.3	5.82	8.3
SR4	7/28/2017 0:16	29.20	69.0	5.30	6.0	SR4	7/28/2017 6:16	28.95	64.8	5.00	5.6	SR4					SR4	7/28/2017 18:16	30.21	79.7	5.97	7.9	
SR4	7/28/2017 0:21	29.19	68.9	5.29	5.6	SR4	7/28/2017 6:21	28.94	65.0	5.01	7.6	SR4					SR4	7/28/2017 18:21	30.24	79.5	5.96	6.3	
SR4	7/28/2017 0:26	29.19	68.5	5.25	6.6	SR4	7/28/2017 6:26	28.97	63.8	4.92	7.3	SR4					SR4	7/28/2017 18:26	30.22	76.5	5.75	7.7	
SR4	7/28/2017 0:31	29.19	68.0	5.21	6.3	SR4	7/28/2017 6:31	29.02	64.0	4.93	6.0	SR4					SR4	7/28/2017 18:31	30.26	76.9	5.78	7.5	
SR4	7/28/2017 0:36	29.20	68.3	5.24	6.2	SR4	7/28/2017 6:36	29.04	63.9	4.93	6.7	SR4					SR4	7/28/2017 18:36	30.25	78.4	5.88	7.6	
SR4	7/28/2017 0:41	29.22	69.1	5.31	5.5	SR4	7/28/2017 6:41	29.06	63.3	4.89	5.5	SR4					SR4	7/28/2017 18:41	30.24	78.5	5.88	6.4	
SR4	7/28/2017 0:46	29.23	69.5	5.33	7.3	SR4	7/28/2017 6:46	29.08	64.1	4.95	5.7	SR4					SR4	7/28/2017 18:46	30.29	78.1	5.84	7.7	
SR4	7/28/2017 0:51	29.23	68.7	5.27	5.7	SR4	7/28/2017 6:51	29.10	63.7	4.92	7.2	SR4					SR4	7/28/2017 18:51	30.26	79.4	5.92	6.6	
SR4	7/28/2017 0:56	29.23	68.7	5.27	7.2	SR4	7/28/2017 6:56	29.12	65.0	5.01	5.5	SR4					SR4	7/28/2017 18:56	30.26	75.7	5.66	7.4	
SR4	7/28/2017 1:01	29.22	69.8	5.36	7.8	SR4	7/28/2017 7:01	29.13	64.4	4.96	6.8	SR4					SR4	7/28/2017 19:01	30.29	72.8	5.47	6.6	
SR4	7/28/2017 1:06	29.22	68.1	5.23	7.7	SR4	7/28/2017 7:06	29.13	65.7	5.05	7.1	SR4					SR4	7/28/2017 19:06	30.32	72.6	5.47	7.7	
SR4	7/28/2017 1:11	29.22	69.5	5.34	6.3	SR4	7/28/2017 7:11	29.08	66.0	5.07	7.9	SR4					SR4	7/28/2017 19:11	30.33	72.6	5.46	7.2	
SR4	7/28/2017 1:16	29.21	68.5	5.26	6.9	SR4	7/28/2017 7:16	29.07	65.8	5.05	6.1	SR4					SR4	7/28/2017 19:16	30.31	72.1	5.43	8.0	
SR4	7/28/2017 1:21	29.21	69.6	5.34	5.9	SR4	7/28/2017 7:21	29.05	66.1	5.07	5.9	SR4	7/28/2017 13:21	29.43	77.4	5.76	7.5	SR4	7/28/2017 19:21	30.29	72.1	5.43	6.1
SR4	7/28/2017 1:26	29.21	70.0	5.38	7.9	SR4	7/28/2017 7:26	29.03	66.3	5.09	7.7	SR4	7/28/2017 13:26	29.36	78.5	5.84	7.0	SR4	7/28/2017 19:26	30.31	72.2	5.45	6.3
SR4	7/28/2017 1:31	29.22	69.0	5.29	6.5	SR4	7/28/2017 7:31	29.02	66.8	5.13	6.7	SR4	7/28/2017 13:31	29.39	78.1	5.81	6.0	SR4	7/28/2017 19:31	30.30	70.6	5.33	6.8
SR4	7/28/2017 1:36	29.21	81.0	6.22	5.8	SR4	7/28/2017 7:36	29.01	66.4	5.09	5.8	SR4	7/28/2017 13:36	29.42	78.6	5.85	7.7	SR4	7/28/2017 19:36	30.34	71.4	5.39	7.3
SR4	7/28/2017 1:41	29.21	72.8	5.60	6.6	SR4	7/28/2017 7:41	29.00	66.1	5.07	6.7	SR4	7/28/2017 13:41	29.33	78.4	5.83	6.2	SR4	7/28/2017 19:41	30.37	71.8	5.41	8.0
SR4	7/28/2017 1:46	29.20	70.4	5.41	6.9	SR4	7/28/2017 7:46	29.00	65.3	5.01	7.8	SR4	7/28/2017 13:46	29.43	79.1	5.88	7.7	SR4	7/28/2017 19:46	30.37	71.3	5.39	7.7
SR4	7/28/2017 1:51	29.19	72.4	5.56	7.6	SR4	7/28/2017 7:51	29.00	64.8	4.98	6.1	SR4	7/28/2017 13:51	29.61	78.8	5.86	5.6	SR4	7/28/2017 19:51	30.37	70.2	5.31	7.9
SR4	7/28/2017 1:56	29.18	70.4	5.40	5.9	SR4	7/28/2017 7:56	29.00	65.8	5.05	6.7	SR4	7/28/2017 13:56	29.71	78.2	5.83	6.9	SR4	7/28/2017 19:56	30.39	68.9	5.22	7.0
SR4	7/28/2017 2:01	29.17	70.2	5.39	7.4	SR4	7/28/2017 8:01	28.99	64.5	4.95	6.1	SR4	7/28/2017 14:01	29.90	76.2	5.73	5.6	SR4	7/28/2017 20:01	30.38	68.7	5.21	7.2
SR4	7/28/2017 2:06	29.16	70.3	5.40	6.8	SR4	7/28/2017 8:06	28.98	64.6	4.96	7.2	SR4	7/28/2017 14:06	30.17	76.3	5.73	6.7	SR4	7/28/2017 20:06	30.41	68.3	5.19	6.2
SR4	7/28/2017 2:11	29.15	69.9	5.37	7.9	SR4	7/28/2017 8:11	28.96	64.4	4.94	6.4	SR4	7/28/2017 14:11	30.30	76.7	5.78	5.7	SR4	7/28/2017 20:11	30.39	67.5	5.12	6.8
SR4	7/28/2017 2:16	29.15	69.9	5.37	7.8	SR4	7/28/2017 8:16	28.96	64.8	4.98	7.6	SR4	7/28/2017 14:16	30.37	77.9	5.86	7.1	SR4	7/28/2017 20:16	30.41	67.8	5.15	6.5
SR4	7/28/2017 2:21	29.15	70.6	5.42	5.9	SR4	7/28/2017 8:21	28.95	64.7	4.96	6.0	SR4	7/28/2017 14:21	30.33	82.4	6.09	6.1	SR4	7/28/2017 20:21	30.41	67.9	5.15	6.9
SR4	7/28/2017 2:26	29.14	70.6	5.42	6.6	SR4	7/28/2017 8:26	28.96	65.2	5.00	7.4	SR4	7/28/2017 14:26	30.26	80.4	5.99	5.8	SR4	7/28/2017 20:26	30.40	69.1	5.24	7.5
SR4	7/28/2017 2:31	29.14	70.7	5.43	7.4	SR4	7/28/2017 8:31	28.98	67.9	5.19	6.8	SR4	7/28/2017 14:31	30.22	81.3	6.08	7.8	SR4	7/28/2017 20:31	30.42	68.4	5.19	7.6
SR4	7/28/2017 2:36	29.14	70.4	5.41	6.2	SR4	7/28/2017 8:36	28.99	65.9	5.05	6.9	SR4	7/28/2017 14:36	30.20	80.9	6.06	5.5	SR4	7/28/2017 20:36	30.43	68.6	5.20	6.7
SR4	7/28/2017 2:41	29.13	71.2	5.47	6.0	SR4	7/28/2017 8:41	29.01	64.8	4.97	7.0	SR4	7/28/2017 14:41	30.18	80.7	6.03	6.4	SR4	7/28/2017 20:41	30.42	69.0	5.24	6.8
SR4	7/28/2017 2:46	29.09	70.0	5.38	7.0	SR4	7/28/2017 8:46	29.02	64.7	4.96	6.4	SR4	7/28/2017 14:46	30.09	79.8	5.99	7.9	SR4	7/28/2017 20:46	30.43	70.7	5.37	6.1
SR4	7/28/2017 2:51	29.08	71.6	5.50	7.9	SR4	7/28/2017 8:51	29.03	64.4	4.93	6.6	SR4	7/28/2017 14:51	30.09	79.5	5.97	6.9	SR4	7/28/2017 20:51	30.44	70.0	5.31	7.7
SR4	7/28/2017 2:56	29.08	71.2	5.48	6.9	SR4	7/28/2017 8:56	29.03	65.5	5.01	7.3	SR4	7/28/2017 14:56	30.06	79.2	5.96	7.9	SR4	7/28/2017 20:56	30.46	71.6	5.42	6.1
SR4	7/28/2017 3:01	29.08	71.6	5.51	7.9	SR4	7/28/2017 9:01	29.05	65.0	4.98	6.4	SR4	7/28/2017 15:01	30.08	78.7	5.93	5.9	SR4	7/28/2017 21:01	30.47	69.1	5.24	6.8
SR4	7/28/2017 3:06	29.09	71.3	5.49	6.7	SR4	7/28/2017 9:06	29.06	66.4	5.08	7.3	SR4	7/28/2017 15:06	30.02	79.6	6.01	7.9	SR4	7/28/2017 21:06	30.46	72.1	5.45	6.6
SR4	7/28/2017 3:11	29.09	71.0	5.47	7.1	SR4	7/28/2017 9:11	29.08	67.2	5.14	7.5	SR4	7/28/2017 15:11	30.12	78.3	5.91	5.6	SR4	7/28/2017 21:11	30.44	72.3	5.47	6.3
SR4	7/28/2017 3:16	29.06	73.0	5.63	6.9	SR4	7/28/2017 9:16	29.11	66.6	5.09	7.4	SR4	7/28/2017 15:16	30.13	77.9	5.89	6.6	SR4	7/28/2017 21:16	30.48	71.9	5.44	6.4
SR4	7/28/2017 3:21	29.05	71.4	5.50	5.6	SR4	7/28/2017 9:21	29.16	67.1	5.13	6.3	SR4	7/28/2017 15:21	30.14	77.0	5.83	6.0	SR4	7/28/2017 21:21	30.49	70.7	5.36	7.6
SR4	7/28/2017 3:26	29.05	69.0	5.31	6.8	SR4	7/28/2017 9:26	29.18	67.6	5.17	6.0	SR4	7/28/2017 15:26	30.18	75.9	5.75	6.0	SR4	7/28/2017 21:26	30.48	70.9	5.37	7.3
SR4	7/28/2017 3:31	29.06	68.3	5.26	6.3	SR4	7/28/2017 9:31	29.20	67.0	5.13	6.9	SR4	7/28/2017 15:31	30.11	74.3	5.64	7.2	SR4	7/28/2017 21:31	30.51	70.4	5.33	7.2
SR4	7/28/2017 3:36	29.06	68.7	5.29	7.7	SR4	7/28/2017 9:36	29.23	66.6	5.09	6.1	SR4	7/28/2017 15:36	29.98	72.6	5.51	6.7	SR4	7/28/2017 21:36	30.49	70.3	5.33	7.9
SR4	7/28/2017 3:41	29.06	68.1	5.24	6.5	SR4	7/28/2017 9:41	29.30	66.3	5.07	6.9	SR4	7/28/2017 15:41	29.89	71.6	5.45	5.9	SR4	7/28/2017 21:41	30.49	72.2	5.48	7.9
SR4	7/28/2017 3:46	29.06	68.9	5.30	5.5	SR4	7/28/2017 9:46	29.34	68.2	5.22	5.7	SR4	7/28/2017 15:46	29.90	71.3	5.44	7.0	SR4	7/28/2017 21:46	30.48	72.1	5.47	6.9
SR4	7/28/2017 3:51	29.06	68.4	5.26	5.9	SR4	7/28/2017 9:51	29.36	66.6	5.09	6.0	SR4	7/28/2017 15:51	29.92	74.6	5.68	5.7	SR4	7/28/2017 21:51	30.52	73.5	5.58	7.3
SR4	7/28/2017 3:56	29.06	67.2	5.17	6.0	SR4	7/28/2017 9:56	29.41	68.0	5.20	5.6	SR4	7/28/2017 15:56	29.93	70.8	5.41	6.9	SR4	7/28/2017 21:56	30.48	72.0	5.46	8.1
SR4	7/28/2017 4:01	29.05	69.3	5.33	6.3	SR4	7/28/2017 10:01	29.39	68.0	5.18	5.9	SR4	7/28/2017 16:01	29.99	69.4	5.30	6.4	SR4	7/28/2017 22:01	30.49	74.2	5.63	7.5
SR4	7/28/2017 4:06	29.03	68.4	5.26	7.9	SR4	7/28/2017 10:06	29.36	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)
SR5	7/28/2017 0:00	30.01	65.7	5.21	5.5	SR5	7/28/2017 6:00	30.05	65.1	5.19	6.0	SR5	7/28/2017 12:00	30.19	80.3	6.31	5.3	SR5	7/28/2017 18:00	30.65	81.7	6.37	6.0
SR5	7/28/2017 0:05	30.04	65.8	5.23	5.3	SR5	7/28/2017 6:05	30.02	70.6	5.39	5.8	SR5	7/28/2017 12:05	30.19	80.7	6.34	5.6	SR5	7/28/2017 18:05	30.69	82.6	6.43	6.4
SR5	7/28/2017 0:10	30.03	65.9	5.24	5.1	SR5	7/28/2017 6:10	30.03	65.2	5.21	5.7	SR5	7/28/2017 12:10	30.22	81.2	6.37	4.8	SR5	7/28/2017 18:10	30.66	82.8	6.44	6.3
SR5	7/28/2017 0:15	30.03	65.8	5.22	5.1	SR5	7/28/2017 6:15	30.02	65.1	5.21	4.8	SR5	7/28/2017 12:15	30.21	81.0	6.37	5.5	SR5	7/28/2017 18:15	30.67	83.5	6.48	6.1
SR5	7/28/2017 0:20	30.02	65.9	5.24	4.9	SR5	7/28/2017 6:20	30.03	68.5	5.23	5.7	SR5	7/28/2017 12:20	30.25	81.2	6.39	4.8	SR5	7/28/2017 18:20	30.67	83.2	6.46	5.3
SR5	7/28/2017 0:25	30.04	65.7	5.22	5.4	SR5	7/28/2017 6:25	30.02	69.4	5.30	5.5	SR5	7/28/2017 12:25	30.21	81.5	6.41	4.8	SR5	7/28/2017 18:25	30.69	82.9	6.45	6.1
SR5	7/28/2017 0:30	30.02	65.6	5.21	5.2	SR5	7/28/2017 6:30	30.03	69.3	5.29	5.0	SR5	7/28/2017 12:30	30.21	82.1	6.45	5.3	SR5	7/28/2017 18:30	30.69	82.9	6.45	5.8
SR5	7/28/2017 0:35	30.01	65.6	5.20	5.1	SR5	7/28/2017 6:35	30.00	70.0	5.34	5.4	SR5	7/28/2017 12:35	30.26	82.3	6.46	5.8	SR5	7/28/2017 18:35	30.69	83.3	6.47	5.9
SR5	7/28/2017 0:40	30.03	65.8	5.23	4.9	SR5	7/28/2017 6:40	30.05	69.4	5.30	4.7	SR5	7/28/2017 12:40	30.26	82.3	6.46	4.8	SR5	7/28/2017 18:40	30.70	83.4	6.48	5.3
SR5	7/28/2017 0:45	30.03	66.2	5.25	5.6	SR5	7/28/2017 6:45	30.02	68.9	5.26	4.7	SR5	7/28/2017 12:45	30.25	83.0	6.51	4.9	SR5	7/28/2017 18:45	30.69	83.4	6.47	5.9
SR5	7/28/2017 0:50	30.02	66.3	5.26	4.9	SR5	7/28/2017 6:50	30.04	69.2	5.28	5.5	SR5	7/28/2017 12:50	30.25	83.0	6.50	5.8	SR5	7/28/2017 18:50	30.68	83.8	6.50	5.2
SR5	7/28/2017 0:55	30.02	66.3	5.27	5.6	SR5	7/28/2017 6:55	30.05	69.3	5.29	4.7	SR5	7/28/2017 12:55	30.26	83.3	6.53	5.2	SR5	7/28/2017 18:55	30.73	82.8	6.43	5.9
SR5	7/28/2017 1:00	30.02	66.7	5.30	5.8	SR5	7/28/2017 7:00	30.04	69.3	5.29	5.3	SR5	7/28/2017 13:00	30.26	83.0	6.51	5.4	SR5	7/28/2017 19:00	30.68	81.7	6.36	5.3
SR5	7/28/2017 1:05	30.06	66.4	5.26	5.8	SR5	7/28/2017 7:05	30.00	65.0	5.21	5.4	SR5	7/28/2017 13:05	30.28	83.0	6.49	5.6	SR5	7/28/2017 19:05	30.74	81.5	6.37	5.9
SR5	7/28/2017 1:10	30.02	66.8	5.30	5.2	SR5	7/28/2017 7:10	30.02	65.3	5.24	5.9	SR5	7/28/2017 13:10	30.28	83.2	6.51	5.3	SR5	7/28/2017 19:10	30.69	81.3	6.35	6.0
SR5	7/28/2017 1:15	30.05	66.5	5.28	5.5	SR5	7/28/2017 7:15	30.03	65.3	5.24	4.9	SR5	7/28/2017 13:15	30.30	83.3	6.51	5.6	SR5	7/28/2017 19:15	30.72	80.9	6.33	6.5
SR5	7/28/2017 1:20	30.05	66.6	5.30	4.9	SR5	7/28/2017 7:20	30.05	65.4	5.24	4.8	SR5	7/28/2017 13:20	30.32	83.0	6.49	5.6	SR5	7/28/2017 19:20	30.74	80.7	6.34	5.5
SR5	7/28/2017 1:25	30.07	66.8	5.29	5.9	SR5	7/28/2017 7:25	30.04	65.5	5.26	6.2	SR5	7/28/2017 13:25	30.30	83.7	6.53	5.3	SR5	7/28/2017 19:25	30.70	81.0	6.38	5.7
SR5	7/28/2017 1:30	30.06	66.6	5.27	5.2	SR5	7/28/2017 7:30	30.04	65.6	5.26	6.2	SR5	7/28/2017 13:30	30.30	83.4	6.52	4.6	SR5	7/28/2017 19:30	30.70	80.6	6.34	5.7
SR5	7/28/2017 1:35	30.03	69.6	5.53	5.1	SR5	7/28/2017 7:35	30.03	65.8	5.28	4.9	SR5	7/28/2017 13:35	30.32	83.7	6.53	5.7	SR5	7/28/2017 19:35	30.74	80.7	6.35	5.9
SR5	7/28/2017 1:40	30.08	67.5	5.36	5.4	SR5	7/28/2017 7:40	30.02	65.7	5.28	5.3	SR5	7/28/2017 13:40	30.32	83.7	6.53	5.0	SR5	7/28/2017 19:40	30.71	80.7	6.35	6.3
SR5	7/28/2017 1:45	30.07	66.7	5.30	5.5	SR5	7/28/2017 7:45	30.06	65.4	5.25	5.9	SR5	7/28/2017 13:45	30.34	84.0	6.55	5.7	SR5	7/28/2017 19:45	30.72	80.1	6.31	6.3
SR5	7/28/2017 1:50	30.07	67.2	5.34	5.9	SR5	7/28/2017 7:50	30.04	65.4	5.25	5.0	SR5	7/28/2017 13:50	30.36	83.8	6.53	4.7	SR5	7/28/2017 19:50	30.71	79.7	6.28	6.5
SR5	7/28/2017 1:55	30.06	66.7	5.31	5.0	SR5	7/28/2017 7:55	30.03	65.7	5.28	5.2	SR5	7/28/2017 13:55	30.35	83.6	6.52	5.2	SR5	7/28/2017 19:55	30.71	79.4	6.26	5.8
SR5	7/28/2017 2:00	30.07	66.7	5.29	5.8	SR5	7/28/2017 8:00	30.06	65.4	5.24	5.0	SR5	7/28/2017 14:00	30.30	83.5	6.53	4.6	SR5	7/28/2017 20:00	30.69	79.1	6.24	5.8
SR5	7/28/2017 2:05	30.08	66.7	5.30	5.5	SR5	7/28/2017 8:05	30.02	68.5	5.36	5.5	SR5	7/28/2017 14:05	30.32	83.6	6.53	5.1	SR5	7/28/2017 20:05	30.73	78.9	6.23	5.4
SR5	7/28/2017 2:10	30.08	66.7	5.29	5.9	SR5	7/28/2017 8:10	30.03	67.9	5.31	5.1	SR5	7/28/2017 14:10	30.32	83.2	6.50	4.4	SR5	7/28/2017 20:10	30.70	78.6	6.21	5.6
SR5	7/28/2017 2:15	30.08	66.6	5.29	5.9	SR5	7/28/2017 8:15	30.06	68.3	5.34	5.8	SR5	7/28/2017 14:15	30.35	83.5	6.52	5.2	SR5	7/28/2017 20:15	30.72	78.5	6.20	5.3
SR5	7/28/2017 2:20	30.06	66.7	5.30	4.9	SR5	7/28/2017 8:20	30.03	73.9	5.84	4.9	SR5	7/28/2017 14:20	30.34	85.1	6.61	4.7	SR5	7/28/2017 20:20	30.70	78.4	6.20	5.5
SR5	7/28/2017 2:25	30.05	66.7	5.31	5.4	SR5	7/28/2017 8:25	30.02	74.1	5.85	5.7	SR5	7/28/2017 14:25	30.35	86.3	6.70	4.5	SR5	7/28/2017 20:25	30.68	78.9	6.24	5.8
SR5	7/28/2017 2:30	30.08	66.9	5.31	5.8	SR5	7/28/2017 8:30	30.01	74.7	5.89	5.3	SR5	7/28/2017 14:30	30.35	86.1	6.69	5.5	SR5	7/28/2017 20:30	30.73	78.7	6.23	6.0
SR5	7/28/2017 2:35	30.05	66.8	5.30	5.1	SR5	7/28/2017 8:35	30.04	74.3	5.85	5.4	SR5	7/28/2017 14:35	30.35	86.2	6.66	4.4	SR5	7/28/2017 20:35	30.68	78.7	6.22	5.5
SR5	7/28/2017 2:40	30.05	66.9	5.30	5.0	SR5	7/28/2017 8:40	30.06	73.9	5.83	5.5	SR5	7/28/2017 14:40	30.37	85.8	6.63	4.8	SR5	7/28/2017 20:40	30.69	78.8	6.24	5.5
SR5	7/28/2017 2:45	30.06	66.7	5.30	5.4	SR5	7/28/2017 8:45	30.04	74.3	5.86	5.1	SR5	7/28/2017 14:45	30.38	85.8	6.63	5.5	SR5	7/28/2017 20:45	30.72	79.6	6.30	5.2
SR5	7/28/2017 2:50	30.09	67.0	5.32	5.9	SR5	7/28/2017 8:50	30.04	74.5	5.86	5.2	SR5	7/28/2017 14:50	30.37	85.5	6.61	5.1	SR5	7/28/2017 20:50	30.70	79.6	6.30	6.0
SR5	7/28/2017 2:55	30.08	67.1	5.34	5.4	SR5	7/28/2017 8:55	30.02	75.1	5.91	5.4	SR5	7/28/2017 14:55	30.42	85.7	6.63	5.8	SR5	7/28/2017 20:55	30.67	80.1	6.33	5.1
SR5	7/28/2017 3:00	30.06	67.3	5.35	6.1	SR5	7/28/2017 9:00	30.02	75.2	5.95	5.1	SR5	7/28/2017 15:00	30.38	85.4	6.61	4.5	SR5	7/28/2017 21:00	30.71	79.4	6.27	5.4
SR5	7/28/2017 3:05	30.04	67.1	5.32	5.4	SR5	7/28/2017 9:05	30.05	76.0	5.98	5.5	SR5	7/28/2017 15:05	30.38	85.5	6.62	5.5	SR5	7/28/2017 21:05	30.67	80.6	6.36	5.6
SR5	7/28/2017 3:10	30.07	66.9	5.33	5.6	SR5	7/28/2017 9:10	30.06	76.4	6.01	5.7	SR5	7/28/2017 15:10	30.41	85.0	6.58	4.5	SR5	7/28/2017 21:10	30.71	80.3	6.34	6.0
SR5	7/28/2017 3:15	30.08	67.6	5.37	5.4	SR5	7/28/2017 9:15	30.08	76.1	6.01	5.7	SR5	7/28/2017 15:15	30.44	85.0	6.59	5.0	SR5	7/28/2017 21:15	30.70	80.5	6.35	6.0
SR5	7/28/2017 3:20	30.04	67.2	5.35	4.9	SR5	7/28/2017 9:20	30.08	76.4	6.03	5.3	SR5	7/28/2017 15:20	30.43	84.6	6.57	4.6	SR5	7/28/2017 21:20	30.67	79.9	6.30	8.4
SR5	7/28/2017 3:25	30.08	66.9	5.33	5.6	SR5	7/28/2017 9:25	30.08	76.5	6.01	5.3	SR5	7/28/2017 15:25	30.47	83.6	6.50	4.9	SR5	7/28/2017 21:25	30.67	79.9	6.30	6.5
SR5	7/28/2017 3:30	30.07	66.7	5.30	5.4	SR5	7/28/2017 9:30	30.08	76.3	6.01	5.3	SR5	7/28/2017 15:30	30.48	83.1	6.47	5.4	SR5	7/28/2017 21:30	30.67	79.8	6.29	6.3
SR5	7/28/2017 3:35	30.07	66.8	5.31	6.2	SR5	7/28/2017 9:35	30.07	76.3	6.01	5.1	SR5	7/28/2017 15:35	30.50	82.7	6.45	5.1	SR5	7/28/2017 21:35	30.68	79.8	6.30	6.5
SR5	7/28/2017 3:40	30.08	66.7	5.32	5.6	SR5	7/28/2017 9:40	30.10	76.4	6.02	5.6	SR5	7/28/2017 15:40	30.49	82.3	6.43	4.8	SR5	7/28/2017 21:40	30.69	80.3	6.34	6.8
SR5	7/28/2017 3:45	30.08	66.9	5.33	5.2	SR5	7/28/2017 9:45	30.09	76.8	6.05	5.0	SR5	7/28/2017 15:45	30.48	82.6	6.46	5.7	SR5	7/28/2017 21:45	30.65	80.6	6.36	6.1
SR5	7/28/2017 3:50	30.07	66.6	5.31	5.2	SR5	7/28/2017 9:50	30.10	76.3	5.98	5.5	SR5	7/28/2017 15:50	30.53	82.0	6.40	4.9	SR5	7/28/2017 21:50	30.68	81.0	6.40	6.0
SR5	7/28/2017 3:55	30.04	66.3	5.27	5.3	SR5	7/28/2017 9:55	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)
SR12	7/28/2017 0:01	29.51	66.9	5.23	5.3	SR12	7/28/2017 6:01	29.35	65.0	5.10	6.2	SR12	7/28/2017 12:01	29.55	69.2	5.40	5.5	SR12	7/28/2017 18:01	30.01	71.9	5.56	7.5
SR12	7/28/2017 0:06	29.51	67.2	5.25	4.8	SR12	7/28/2017 6:06	29.32	64.7	5.08	6.0	SR12	7/28/2017 12:06	29.53	70.8	5.49	6.0	SR12	7/28/2017 18:06	30.08	73.9	5.70	7.7
SR12	7/28/2017 0:11	29.50	67.4	5.27	4.6	SR12	7/28/2017 6:11	29.32	64.9	5.10	5.7	SR12	7/28/2017 12:11	29.59	71.3	5.53	5.3	SR12	7/28/2017 18:11	30.11	73.8	5.69	7.8
SR12	7/28/2017 0:16	29.49	67.3	5.26	4.9	SR12	7/28/2017 6:16	29.34	64.5	5.08	5.1	SR12	7/28/2017 12:16	29.55	71.1	5.51	6.2	SR12	7/28/2017 18:16	30.17	75.4	5.79	7.7
SR12	7/28/2017 0:21	29.48	67.3	5.27	4.7	SR12	7/28/2017 6:21	29.33	64.6	5.08	6.1	SR12	7/28/2017 12:21	29.61	71.4	5.54	5.2	SR12	7/28/2017 18:21	30.16	75.1	5.77	6.9
SR12	7/28/2017 0:26	29.49	67.0	5.24	5.2	SR12	7/28/2017 6:26	29.32	64.0	5.03	6.4	SR12	7/28/2017 12:26	29.63	71.5	5.55	5.8	SR12	7/28/2017 18:26	30.26	73.5	5.66	7.5
SR12	7/28/2017 0:31	29.48	66.7	5.22	5.0	SR12	7/28/2017 6:31	29.33	63.9	5.02	6.0	SR12	7/28/2017 12:31	29.64	72.6	5.61	5.4	SR12	7/28/2017 18:31	30.19	73.8	5.68	7.1
SR12	7/28/2017 0:36	29.48	66.9	5.24	5.1	SR12	7/28/2017 6:36	29.31	63.9	5.02	6.6	SR12	7/28/2017 12:36	29.69	72.8	5.62	6.8	SR12	7/28/2017 18:36	30.20	74.7	5.74	7.2
SR12	7/28/2017 0:41	29.48	67.4	5.28	4.7	SR12	7/28/2017 6:41	29.33	63.5	4.99	6.5	SR12	7/28/2017 12:41	29.65	73.0	5.63	6.6	SR12	7/28/2017 18:41	30.23	74.6	5.73	6.2
SR12	7/28/2017 0:46	29.47	67.7	5.28	5.6	SR12	7/28/2017 6:46	29.33	63.9	5.03	5.9	SR12	7/28/2017 12:46	29.66	74.1	5.70	5.9	SR12	7/28/2017 18:46	30.29	74.5	5.71	6.8
SR12	7/28/2017 0:51	29.47	67.4	5.27	4.8	SR12	7/28/2017 6:51	29.34	63.7	5.01	6.3	SR12	7/28/2017 12:51	29.67	74.1	5.69	7.7	SR12	7/28/2017 18:51	30.36	75.3	5.77	6.3
SR12	7/28/2017 0:56	29.47	67.3	5.26	5.6	SR12	7/28/2017 6:56	29.34	64.4	5.07	5.6	SR12	7/28/2017 12:56	29.72	74.2	5.69	6.9	SR12	7/28/2017 18:56	30.39	73.1	5.61	6.9
SR12	7/28/2017 1:01	29.46	68.1	5.32	5.8	SR12	7/28/2017 7:01	29.34	64.0	5.03	6.6	SR12	7/28/2017 13:01	29.67	74.1	5.69	6.9	SR12	7/28/2017 19:01	30.35	71.2	5.48	6.2
SR12	7/28/2017 1:06	29.48	67.1	5.25	5.8	SR12	7/28/2017 7:06	29.35	64.9	5.09	6.8	SR12	7/28/2017 13:06	29.69	74.2	5.68	7.6	SR12	7/28/2017 19:06	30.32	71.0	5.49	6.3
SR12	7/28/2017 1:11	29.45	68.0	5.32	5.1	SR12	7/28/2017 7:11	29.40	65.1	5.11	7.6	SR12	7/28/2017 13:11	29.75	74.1	5.69	7.2	SR12	7/28/2017 19:11	30.30	70.9	5.46	6.4
SR12	7/28/2017 1:16	29.46	67.4	5.27	5.4	SR12	7/28/2017 7:16	29.43	65.0	5.09	6.8	SR12	7/28/2017 13:16	29.71	74.5	5.71	7.4	SR12	7/28/2017 19:16	30.31	70.6	5.45	6.5
SR12	7/28/2017 1:21	29.47	67.9	5.31	4.9	SR12	7/28/2017 7:21	29.46	65.2	5.10	5.7	SR12	7/28/2017 13:21	29.70	74.0	5.67	9.5	SR12	7/28/2017 19:21	30.29	70.5	5.44	5.9
SR12	7/28/2017 1:26	29.48	68.1	5.33	5.9	SR12	7/28/2017 7:26	29.46	65.3	5.12	6.8	SR12	7/28/2017 13:26	29.74	74.8	5.74	6.4	SR12	7/28/2017 19:26	30.27	70.7	5.47	5.4
SR12	7/28/2017 1:31	29.47	67.6	5.27	5.1	SR12	7/28/2017 7:31	29.44	65.5	5.13	6.1	SR12	7/28/2017 13:31	29.70	74.5	5.71	5.8	SR12	7/28/2017 19:31	30.25	69.8	5.40	6.0
SR12	7/28/2017 1:36	29.46	74.9	5.84	4.7	SR12	7/28/2017 7:36	29.42	65.4	5.12	5.4	SR12	7/28/2017 13:36	29.75	74.9	5.74	8.2	SR12	7/28/2017 19:36	30.27	70.2	5.42	5.8
SR12	7/28/2017 1:41	29.49	69.9	5.46	5.2	SR12	7/28/2017 7:41	29.44	65.2	5.12	5.9	SR12	7/28/2017 13:41	29.73	74.8	5.73	7.3	SR12	7/28/2017 19:41	30.26	70.3	5.44	6.0
SR12	7/28/2017 1:46	29.48	68.4	5.34	5.3	SR12	7/28/2017 7:46	29.43	64.7	5.08	6.6	SR12	7/28/2017 13:46	29.82	75.3	5.76	8.3	SR12	7/28/2017 19:46	30.24	69.9	5.41	5.7
SR12	7/28/2017 1:51	29.48	69.5	5.44	5.8	SR12	7/28/2017 7:51	29.43	64.5	5.07	5.8	SR12	7/28/2017 13:51	29.80	75.1	5.75	7.5	SR12	7/28/2017 19:51	30.20	69.2	5.36	5.8
SR12	7/28/2017 1:56	29.47	68.3	5.33	4.9	SR12	7/28/2017 7:56	29.43	65.0	5.10	5.8	SR12	7/28/2017 13:56	29.77	74.6	5.73	8.0	SR12	7/28/2017 19:56	30.18	68.4	5.31	5.3
SR12	7/28/2017 2:01	29.47	68.3	5.33	5.6	SR12	7/28/2017 8:01	29.44	64.2	5.04	5.6	SR12	7/28/2017 14:01	29.84	73.7	5.68	7.4	SR12	7/28/2017 20:01	30.16	68.2	5.29	5.6
SR12	7/28/2017 2:06	29.48	68.3	5.33	5.4	SR12	7/28/2017 8:06	29.42	64.6	5.06	6.0	SR12	7/28/2017 14:06	29.85	73.8	5.69	8.0	SR12	7/28/2017 20:06	30.16	67.9	5.27	5.0
SR12	7/28/2017 2:11	29.49	68.0	5.32	5.7	SR12	7/28/2017 8:11	29.43	64.5	5.05	6.5	SR12	7/28/2017 14:11	29.73	73.7	5.70	7.6	SR12	7/28/2017 20:11	30.12	67.3	5.23	5.8
SR12	7/28/2017 2:16	29.48	68.0	5.31	5.7	SR12	7/28/2017 8:16	29.44	64.6	5.07	6.4	SR12	7/28/2017 14:16	29.79	74.5	5.75	8.8	SR12	7/28/2017 20:16	30.12	67.5	5.25	5.4
SR12	7/28/2017 2:21	29.47	68.5	5.35	4.7	SR12	7/28/2017 8:21	29.43	65.0	5.10	5.6	SR12	7/28/2017 14:21	29.86	77.4	5.89	9.1	SR12	7/28/2017 20:21	30.11	67.5	5.25	5.1
SR12	7/28/2017 2:26	29.44	68.5	5.36	5.4	SR12	7/28/2017 8:26	29.43	65.3	5.12	6.3	SR12	7/28/2017 14:26	30.29	77.0	5.89	7.2	SR12	7/28/2017 20:26	30.11	68.3	5.30	5.4
SR12	7/28/2017 2:31	29.45	68.5	5.36	5.5	SR12	7/28/2017 8:31	29.42	66.9	5.24	5.8	SR12	7/28/2017 14:31	30.09	77.3	5.93	8.7	SR12	7/28/2017 20:31	30.13	67.9	5.27	6.0
SR12	7/28/2017 2:36	29.43	68.3	5.34	5.0	SR12	7/28/2017 8:36	29.44	65.7	5.15	5.9	SR12	7/28/2017 14:36	30.39	77.0	5.90	6.4	SR12	7/28/2017 20:36	30.12	67.9	5.27	5.8
SR12	7/28/2017 2:41	29.44	68.8	5.38	4.8	SR12	7/28/2017 8:41	29.45	65.1	5.11	5.9	SR12	7/28/2017 14:41	30.21	76.8	5.89	7.2	SR12	7/28/2017 20:41	30.12	68.2	5.30	5.4
SR12	7/28/2017 2:46	29.44	68.1	5.32	5.6	SR12	7/28/2017 8:46	29.45	65.1	5.11	5.5	SR12	7/28/2017 14:46	30.29	76.3	5.86	7.6	SR12	7/28/2017 20:46	30.11	69.4	5.40	5.3
SR12	7/28/2017 2:51	29.46	69.1	5.40	6.0	SR12	7/28/2017 8:51	29.45	65.0	5.09	5.9	SR12	7/28/2017 14:51	30.19	76.1	5.85	6.8	SR12	7/28/2017 20:51	30.12	69.0	5.36	7.2
SR12	7/28/2017 2:56	29.44	68.8	5.39	5.7	SR12	7/28/2017 8:56	29.44	65.7	5.13	6.0	SR12	7/28/2017 14:56	30.08	76.0	5.86	7.3	SR12	7/28/2017 20:56	30.12	70.1	5.44	6.0
SR12	7/28/2017 3:01	29.43	69.2	5.42	6.5	SR12	7/28/2017 9:01	29.45	65.4	5.12	5.5	SR12	7/28/2017 15:01	30.06	75.6	5.83	6.0	SR12	7/28/2017 21:01	30.16	68.5	5.32	6.1
SR12	7/28/2017 3:06	29.43	68.9	5.40	5.7	SR12	7/28/2017 9:06	29.47	66.2	5.19	5.9	SR12	7/28/2017 15:06	30.05	76.1	5.87	7.5	SR12	7/28/2017 21:06	30.15	70.4	5.45	5.3
SR12	7/28/2017 3:11	29.44	68.7	5.39	7.1	SR12	7/28/2017 9:11	29.49	66.8	5.23	6.0	SR12	7/28/2017 15:11	30.08	75.2	5.81	6.6	SR12	7/28/2017 21:11	30.18	70.5	5.46	6.1
SR12	7/28/2017 3:16	29.44	69.9	5.48	7.1	SR12	7/28/2017 9:16	29.50	66.3	5.19	6.0	SR12	7/28/2017 15:16	30.01	75.0	5.79	6.8	SR12	7/28/2017 21:16	30.18	70.3	5.45	6.2
SR12	7/28/2017 3:21	29.42	69.0	5.41	5.3	SR12	7/28/2017 9:21	29.53	66.7	5.22	5.5	SR12	7/28/2017 15:21	30.04	74.4	5.75	6.5	SR12	7/28/2017 21:21	30.14	69.5	5.39	7.1
SR12	7/28/2017 3:26	29.43	67.7	5.30	5.8	SR12						SR12	7/28/2017 15:26	30.01	73.4	5.68	6.6	SR12	7/28/2017 21:26	30.13	69.7	5.39	7.0
SR12	7/28/2017 3:31	29.42	67.3	5.28	5.5	SR12						SR12	7/28/2017 15:31	29.96	72.4	5.61	7.0	SR12	7/28/2017 21:31	30.13	69.3	5.37	6.9
SR12	7/28/2017 3:36	29.42	67.4	5.28	6.6	SR12						SR12	7/28/2017 15:36	29.94	71.4	5.53	6.9	SR12	7/28/2017 21:36	30.14	69.3	5.37	7.2
SR12	7/28/2017 3:41	29.42	67.2	5.27	5.8	SR12						SR12	7/28/2017 15:41	29.90	70.7	5.50	6.3	SR12	7/28/2017 21:41	30.13	70.4	5.46	7.7
SR12	7/28/2017 3:46	29.42	67.7	5.30	5.2	SR12						SR12	7/28/2017 15:46	29.91	70.7	5.51	7.4	SR12	7/28/2017 21:46	30.10	70.5	5.46	6.1
SR12	7/28/2017 3:51	29.41	67.3	5.28	5.4	SR12						SR12	7/28/2017 15:51	29.82	72.0	5.59	6.8	SR12	7/28/2017 21:51	30.12	71.4	5.55	6.4
SR12	7/28/2017 3:56	29.39	66.5	5.21	5.6	SR12						SR12	7/28/2017 15:5										

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)
SR13	7/28/2017 0:00	29.00	64.9	5.16	6.2	SR13	7/28/2017 6:00	28.67	63.0	5.04	6.3	SR13	7/28/2017 12:00	29.34	67.0	5.33	6.1	SR13	7/28/2017 18:00	30.17	69.2	5.46	7.0
SR13	7/28/2017 0:05	29.01	65.2	5.19	6.4	SR13	7/28/2017 6:05	28.65	63.2	5.05	6.7	SR13	7/28/2017 12:05	29.35	67.4	5.34	6.7	SR13	7/28/2017 18:05	30.15	70.3	5.53	7.1
SR13	7/28/2017 0:10	29.01	65.4	5.21	6.1	SR13	7/28/2017 6:10	28.65	63.1	5.05	6.2	SR13	7/28/2017 12:10	29.35	68.2	5.41	6.1	SR13	7/28/2017 18:10	30.19	70.8	5.57	6.6
SR13	7/28/2017 0:15	29.00	65.1	5.18	6.9	SR13	7/28/2017 6:15	28.62	62.9	5.04	6.3	SR13	7/28/2017 12:15	29.19	68.1	5.40	5.9	SR13	7/28/2017 18:15	30.21	71.9	5.64	7.2
SR13	7/28/2017 0:20	29.00	65.4	5.21	6.0	SR13	7/28/2017 6:20	28.67	62.6	5.01	7.0	SR13	7/28/2017 12:20	29.12	68.5	5.43	6.7	SR13	7/28/2017 18:20	30.18	71.2	5.58	6.5
SR13	7/28/2017 0:25	29.01	65.0	5.18	6.7	SR13	7/28/2017 6:25	28.72	62.3	4.99	6.1	SR13	7/28/2017 12:25	29.15	69.0	5.47	6.3	SR13	7/28/2017 18:25	30.19	71.4	5.60	6.9
SR13	7/28/2017 0:30	29.01	64.9	5.17	7.2	SR13	7/28/2017 6:30	28.75	61.7	4.93	6.6	SR13	7/28/2017 12:30	29.11	70.0	5.53	6.6	SR13	7/28/2017 18:30	30.19	71.3	5.59	6.4
SR13	7/28/2017 0:35	29.02	64.9	5.17	7.0	SR13	7/28/2017 6:35	28.77	61.8	4.94	6.9	SR13	7/28/2017 12:35	29.06	70.3	5.55	6.6	SR13	7/28/2017 18:35	30.21	71.7	5.62	6.8
SR13	7/28/2017 0:40	29.02	65.2	5.19	6.2	SR13	7/28/2017 6:40	28.81	61.4	4.91	7.3	SR13	7/28/2017 12:40	29.06	70.3	5.55	6.6	SR13	7/28/2017 18:40	30.25	71.8	5.62	6.7
SR13	7/28/2017 0:45	29.03	65.8	5.24	6.9	SR13	7/28/2017 6:45	28.84	61.4	4.92	6.3	SR13	7/28/2017 12:45	29.10	71.4	5.63	6.8	SR13	7/28/2017 18:45	30.23	71.9	5.62	6.9
SR13	7/28/2017 0:50	29.03	66.3	5.28	6.3	SR13	7/28/2017 6:50	28.86	61.1	4.89	6.4	SR13	7/28/2017 12:50	29.11	71.5	5.63	6.7	SR13	7/28/2017 18:50	30.23	72.6	5.66	6.1
SR13	7/28/2017 0:55	28.97	66.3	5.28	7.0	SR13	7/28/2017 6:55	28.87	61.5	4.93	7.2	SR13	7/28/2017 12:55	29.16	72.1	5.67	6.6	SR13	7/28/2017 18:55	30.25	71.4	5.58	6.0
SR13	7/28/2017 1:00	28.94	67.0	5.34	6.5	SR13	7/28/2017 7:00	28.86	61.2	4.90	6.6	SR13	7/28/2017 13:00	29.09	71.5	5.63	5.8	SR13	7/28/2017 19:00	30.24	69.8	5.46	5.9
SR13	7/28/2017 1:05	28.93	66.7	5.32	6.1	SR13	7/28/2017 7:05	28.83	61.6	4.92	6.3	SR13	7/28/2017 13:05	29.14	71.5	5.62	6.7	SR13	7/28/2017 19:05	30.42	69.5	5.46	6.2
SR13	7/28/2017 1:10	28.93	67.3	5.36	6.6	SR13	7/28/2017 7:10	28.78	62.2	4.97	6.9	SR13	7/28/2017 13:10	29.25	71.9	5.66	5.8	SR13	7/28/2017 19:10	30.41	69.0	5.41	6.6
SR13	7/28/2017 1:15	28.93	67.0	5.34	6.5	SR13	7/28/2017 7:15	28.77	62.1	4.95	7.3	SR13	7/28/2017 13:15	29.23	71.8	5.65	6.5	SR13	7/28/2017 19:15	30.41	68.6	5.38	6.7
SR13	7/28/2017 1:20	28.94	67.0	5.34	6.8	SR13	7/28/2017 7:20	28.76	62.1	4.95	6.6	SR13	7/28/2017 13:20	29.08	71.3	5.61	5.4	SR13	7/28/2017 19:20	30.40	68.5	5.38	6.4
SR13	7/28/2017 1:25	28.93	67.0	5.34	5.9	SR13	7/28/2017 7:25	28.75	62.0	4.95	7.1	SR13	7/28/2017 13:25	29.04	72.5	5.71	5.9	SR13	7/28/2017 19:25	30.39	69.0	5.43	6.2
SR13	7/28/2017 1:30	28.92	66.9	5.33	7.1	SR13	7/28/2017 7:30	28.74	62.2	4.95	6.4	SR13	7/28/2017 13:30	29.16	72.1	5.67	5.4	SR13	7/28/2017 19:30	30.39	68.5	5.38	6.0
SR13	7/28/2017 1:35	28.92	70.6	5.61	6.7	SR13	7/28/2017 7:35	28.72	62.5	4.98	7.0	SR13	7/28/2017 13:35	29.19	72.5	5.71	5.8	SR13	7/28/2017 19:35	30.42	68.5	5.38	6.0
SR13	7/28/2017 1:40	28.91	68.0	5.41	7.4	SR13	7/28/2017 7:40	28.72	62.4	4.98	7.0	SR13	7/28/2017 13:40	29.18	72.5	5.70	6.9	SR13	7/28/2017 19:40	30.43	68.4	5.38	6.3
SR13	7/28/2017 1:45	28.90	66.9	5.32	7.4	SR13	7/28/2017 7:45	28.72	61.9	4.94	7.7	SR13	7/28/2017 13:45	29.32	73.1	5.74	6.2	SR13	7/28/2017 19:45	30.42	67.5	5.31	6.1
SR13	7/28/2017 1:50	28.90	67.5	5.38	6.3	SR13	7/28/2017 7:50	28.72	61.9	4.95	7.1	SR13	7/28/2017 13:50	29.41	72.8	5.72	5.8	SR13	7/28/2017 19:50	30.41	66.7	5.25	5.9
SR13	7/28/2017 1:55	28.91	66.9	5.33	6.9	SR13	7/28/2017 7:55	28.72	62.2	4.96	8.4	SR13	7/28/2017 13:55	29.59	72.3	5.69	7.1	SR13	7/28/2017 19:55	30.41	66.4	5.24	6.4
SR13	7/28/2017 2:00	28.91	66.9	5.33	7.1	SR13	7/28/2017 8:00	28.70	61.7	4.93	7.8	SR13	7/28/2017 14:00	30.08	72.9	5.74	7.4	SR13	7/28/2017 20:00	30.41	68.8	5.19	6.2
SR13	7/28/2017 2:05	28.91	67.0	5.33	6.7	SR13	7/28/2017 8:05	28.67	61.9	4.94	8.3	SR13	7/28/2017 14:05	30.36	73.0	5.75	6.6	SR13	7/28/2017 20:05	30.43	65.4	5.16	5.7
SR13	7/28/2017 2:10	28.92	66.9	5.33	6.6	SR13	7/28/2017 8:10	28.67	61.9	4.93	8.5	SR13	7/28/2017 14:10	30.44	71.8	5.68	7.1	SR13	7/28/2017 20:10	30.40	65.1	5.14	5.9
SR13	7/28/2017 2:15	28.93	66.7	5.31	7.2	SR13	7/28/2017 8:15	28.66	61.9	4.94	8.1	SR13	7/28/2017 14:15	30.50	72.3	5.70	7.8	SR13	7/28/2017 20:15	30.41	64.7	5.11	5.4
SR13	7/28/2017 2:20	28.90	67.0	5.33	7.4	SR13	7/28/2017 8:20	28.69	62.1	4.96	7.4	SR13	7/28/2017 14:20	30.41	74.7	5.84	7.3	SR13	7/28/2017 20:20	30.41	64.6	5.10	6.5
SR13	7/28/2017 2:25	28.89	67.0	5.34	7.1	SR13	7/28/2017 8:25	28.75	62.2	4.96	8.2	SR13	7/28/2017 14:25	30.27	77.9	6.07	7.8	SR13	7/28/2017 20:25	30.40	65.4	5.16	5.6
SR13	7/28/2017 2:30	28.87	67.3	5.36	8.2	SR13	7/28/2017 8:30	28.76	63.1	5.03	7.5	SR13	7/28/2017 14:30	30.20	76.9	6.02	6.7	SR13	7/28/2017 20:30	30.43	65.3	5.15	6.0
SR13	7/28/2017 2:35	28.84	67.0	5.34	7.2	SR13	7/28/2017 8:35	28.80	62.5	4.99	8.0	SR13	7/28/2017 14:35	30.18	77.1	6.00	7.6	SR13	7/28/2017 20:35	30.41	65.1	5.14	5.7
SR13	7/28/2017 2:40	28.81	67.2	5.36	7.3	SR13	7/28/2017 8:40	28.83	62.1	4.96	7.9	SR13	7/28/2017 14:40	30.19	76.3	5.96	6.2	SR13	7/28/2017 20:40	30.42	65.3	5.16	6.0
SR13	7/28/2017 2:45	28.79	67.0	5.34	7.4	SR13	7/28/2017 8:45	28.82	62.3	4.97	7.9	SR13	7/28/2017 14:45	30.29	76.4	5.97	6.5	SR13	7/28/2017 20:45	30.42	66.6	5.26	5.6
SR13	7/28/2017 2:50	28.78	67.4	5.37	7.3	SR13	7/28/2017 8:50	28.80	62.2	4.95	7.1	SR13	7/28/2017 14:50	30.43	75.9	5.94	6.2	SR13	7/28/2017 20:50	30.43	66.7	5.27	6.6
SR13	7/28/2017 2:55	28.80	67.6	5.39	7.6	SR13	7/28/2017 8:55	28.86	62.5	4.98	7.5	SR13	7/28/2017 14:55	30.51	76.4	6.00	6.3	SR13	7/28/2017 20:55	30.43	67.4	5.32	6.6
SR13	7/28/2017 3:00	28.80	67.9	5.42	7.3	SR13	7/28/2017 9:00	28.90	62.5	4.98	7.7	SR13	7/28/2017 15:00	30.49	75.7	5.95	6.9	SR13	7/28/2017 21:00	30.46	66.5	5.24	6.5
SR13	7/28/2017 3:05	28.75	67.5	5.39	7.4	SR13	7/28/2017 9:05	29.08	62.8	5.01	7.2	SR13	7/28/2017 15:05	30.36	75.9	5.96	6.7	SR13	7/28/2017 21:05	30.44	68.4	5.38	6.5
SR13	7/28/2017 3:10	28.71	67.4	5.38	6.9	SR13	7/28/2017 9:10	29.08	63.5	5.06	7.8	SR13	7/28/2017 15:10	30.30	75.0	5.90	6.5	SR13	7/28/2017 21:10	30.44	67.7	5.33	6.7
SR13	7/28/2017 3:15	28.71	68.3	5.45	6.3	SR13	7/28/2017 9:15	29.09	63.1	5.03	7.5	SR13	7/28/2017 15:15	30.24	75.1	5.91	6.9	SR13	7/28/2017 21:15	30.46	68.1	5.36	5.9
SR13	7/28/2017 3:20	28.73	67.8	5.41	6.6	SR13	7/28/2017 9:20	29.00	63.5	5.05	7.1	SR13	7/28/2017 15:20	30.23	74.6	5.87	6.4	SR13	7/28/2017 21:20	30.45	67.2	5.29	6.6
SR13	7/28/2017 3:25	28.76	67.7	5.40	6.5	SR13	7/28/2017 9:25	28.93	64.0	5.09	7.2	SR13	7/28/2017 15:25	30.27	72.7	5.73	6.8	SR13	7/28/2017 21:25	30.44	67.1	5.28	6.6
SR13	7/28/2017 3:30	28.77	67.6	5.40	6.8	SR13	7/28/2017 9:30	28.89	63.6	5.06	7.6	SR13	7/28/2017 15:30	30.16	72.0	5.69	6.7	SR13	7/28/2017 21:30	30.45	67.0	5.28	6.1
SR13	7/28/2017 3:35	28.77	67.6	5.40	7.5	SR13	7/28/2017 9:35	28.90	63.6	5.06	7.5	SR13	7/28/2017 15:35	30.04	71.5	5.65	7.0	SR13	7/28/2017 21:35	30.45	67.2	5.29	6.0
SR13	7/28/2017 3:40	28.78	67.6	5.40	7.6	SR13	7/28/2017 9:40	28.91	63.8	5.07	7.9	SR13	7/28/2017 15:40	30.01	71.0	5.62	7.2	SR13	7/28/2017 21:40	30.45	67.7	5.34	6.5
SR13	7/28/2017 3:45	28.78	67.8	5.41	7.3	SR13	7/28/2017 9:45	28.88	63.9	5.09	7.4	SR13	7/28/2017 15:45	29.97	71.8	5.69	6.7	SR13	7/28/2017 21:45	30.43	68.5	5.40	6.3
SR13	7/28/2017 3:50	28.78	67.3	5.38	7.3	SR13	7/28/2017 9:50	28.88	63.1	5.02	7.2	SR13	7/28/2017 15:50	29.96									

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	7/28/2017 0:17	0.13				SR12	7/28/2017 0:17	0.17			
SR4	7/28/2017 0:37	0.13				SR12	7/28/2017 0:37	0.16			
SR4	7/28/2017 0:57	0.11				SR12	7/28/2017 0:57	0.17			
SR4	7/28/2017 1:17	0.13				SR12	7/28/2017 1:17	0.17			
SR4	7/28/2017 1:37	0.12				SR12	7/28/2017 1:37	0.15			
SR4	7/28/2017 1:57	0.11				SR12	7/28/2017 1:57	0.18			
SR4	7/28/2017 2:17	0.12				SR12	7/28/2017 2:17	0.17			
SR4	7/28/2017 2:37	0.14				SR12	7/28/2017 2:37	0.16			
SR4	7/28/2017 2:57	0.10				SR12	7/28/2017 2:57	0.18			
SR4	7/28/2017 3:17	0.12				SR12	7/28/2017 3:17	0.18			
SR4	7/28/2017 3:37	0.11				SR12	7/28/2017 3:37	0.15			
SR4	7/28/2017 3:57	0.11				SR12	7/28/2017 3:57	0.16			
SR4	7/28/2017 4:17	0.12				SR12	7/28/2017 4:17	0.18			
SR4	7/28/2017 4:37	0.10				SR12	7/28/2017 4:37	0.18			
SR4	7/28/2017 4:57	0.13				SR12	7/28/2017 4:57	0.17			
SR4	7/28/2017 5:17	0.13				SR12	7/28/2017 5:17	0.18			
SR4	7/28/2017 5:37	0.11				SR12	7/28/2017 5:37	0.14			
SR4	7/28/2017 5:57	0.10				SR12	7/28/2017 5:57	0.18			
SR4						SR12					
SR4	7/28/2017 6:37	0.11				SR12	7/28/2017 6:37	0.17			
SR4	7/28/2017 6:57	0.10				SR12	7/28/2017 6:57	0.16			
SR4	7/28/2017 7:17	0.11				SR12	7/28/2017 7:17	0.14			
SR4	7/28/2017 7:37	0.14				SR12	7/28/2017 7:37	0.16			
SR4	7/28/2017 7:57	0.10				SR12	7/28/2017 7:57	0.15			
SR4	7/28/2017 8:17	0.13				SR12	7/28/2017 8:17	0.18			
SR4	7/28/2017 8:37	0.14				SR12	7/28/2017 8:37	0.18			
SR4	7/28/2017 8:57	0.13				SR12	7/28/2017 8:57	0.15			
SR4	7/28/2017 9:17	0.12				SR12	7/28/2017 9:17	0.18			
SR4	7/28/2017 9:37	0.11				SR12					
SR4	7/28/2017 9:57	0.13				SR12					
SR4	7/28/2017 10:17	0.12				SR12					
SR4	7/28/2017 10:37	0.11				SR12					
SR4	7/28/2017 10:57	0.11				SR12					
SR4	7/28/2017 11:17	0.14				SR12	7/28/2017 11:17	0.15			
SR4	7/28/2017 11:37	0.12				SR12	7/28/2017 11:37	0.15			
SR4	7/28/2017 11:57	0.10				SR12	7/28/2017 11:57	0.15			
SR4						SR12	7/28/2017 12:17	0.17			
SR4						SR12	7/28/2017 12:37	0.16			
SR4						SR12	7/28/2017 12:57	0.15			
SR4						SR12	7/28/2017 13:17	0.14			
SR4						SR12	7/28/2017 13:37	0.18			
SR4	7/28/2017 13:57	0.12				SR12	7/28/2017 13:57	0.18			
SR4	7/28/2017 14:17	0.11				SR12	7/28/2017 14:17	0.14			
SR4	7/28/2017 14:37	0.10				SR12	7/28/2017 14:37	0.17			
SR4	7/28/2017 14:57	0.11				SR12	7/28/2017 14:57	0.18			
SR4	7/28/2017 15:17	0.14				SR12	7/28/2017 15:17	0.14			
SR4	7/28/2017 15:37	0.14				SR12	7/28/2017 15:37	0.17			
SR4	7/28/2017 15:57	0.14				SR12	7/28/2017 15:57	0.16			
SR4	7/28/2017 16:17	0.14				SR12	7/28/2017 16:17	0.15			
SR4	7/28/2017 16:37	0.12				SR12	7/28/2017 16:37	0.14			
SR4	7/28/2017 16:57	0.10				SR12	7/28/2017 16:57	0.14			
SR4	7/28/2017 17:17	0.14				SR12	7/28/2017 17:17	0.14			
SR4	7/28/2017 17:37	0.13				SR12	7/28/2017 17:37	0.14			
SR4	7/28/2017 17:57	0.14				SR12	7/28/2017 17:57	0.14			
SR4	7/28/2017 18:17	0.12				SR12	7/28/2017 18:17	0.17			
SR4	7/28/2017 18:37	0.14				SR12	7/28/2017 18:37	0.18			
SR4	7/28/2017 18:57	0.12				SR12	7/28/2017 18:57	0.17			
SR4	7/28/2017 19:17	0.13				SR12	7/28/2017 19:17	0.14			
SR4	7/28/2017 19:37	0.14				SR12	7/28/2017 19:37	0.14			
SR4	7/28/2017 19:57	0.11				SR12	7/28/2017 19:57	0.17			
SR4	7/28/2017 20:17	0.14				SR12	7/28/2017 20:17	0.16			
SR4	7/28/2017 20:37	0.15				SR12	7/28/2017 20:37	0.15			
SR4	7/28/2017 20:57	0.13				SR12	7/28/2017 20:57	0.18			
SR4	7/28/2017 21:17	0.14				SR12	7/28/2017 21:17	0.17			
SR4	7/28/2017 21:37	0.11				SR12	7/28/2017 21:37	0.15			
SR4	7/28/2017 21:57	0.12				SR12	7/28/2017 21:57	0.15			
SR4	7/28/2017 22:17	0.11				SR12	7/28/2017 22:17	0.14			
SR4	7/28/2017 22:37	0.13				SR12	7/28/2017 22:37	0.15			
SR4	7/28/2017 22:57	0.13				SR12	7/28/2017 22:57	0.17			
SR4	7/28/2017 23:17	0.15				SR12	7/28/2017 23:17	0.16			
SR4	7/28/2017 23:37	0.15				SR12	7/28/2017 23:37	0.14			
SR4	7/28/2017 23:57	0.11				SR12	7/28/2017 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 12:11-13:21.

SR12 monitoring station was under maintenance during 9:21-10:46.

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	7/29/2017 0:01	30.54	70.7	5.36	6.6	SR4	7/29/2017 6:01	30.44	67.9	5.19	7.9	SR4	7/29/2017 12:01	30.39	73.6	5.59	6.8	SR4	7/29/2017 18:01	30.57	80.4	6.05	9.5
SR4	7/29/2017 0:06	30.58	70.3	5.33	6.7	SR4	7/29/2017 6:06	30.44	65.3	4.99	7.8	SR4	7/29/2017 12:06	30.41	75.5	5.73	8.3	SR4	7/29/2017 18:06	30.55	81.2	6.10	8.1
SR4	7/29/2017 0:11	30.59	70.3	5.33	7.9	SR4	7/29/2017 6:11	30.41	64.7	4.94	7.1	SR4	7/29/2017 12:11	30.37	75.4	5.71	7.9	SR4	7/29/2017 18:11	30.59	80.6	6.06	9.4
SR4	7/29/2017 0:16	30.54	71.6	5.44	8.0	SR4	7/29/2017 6:16	30.41	66.0	5.04	7.7	SR4	7/29/2017 12:16	30.37	75.2	5.70	7.9	SR4	7/29/2017 18:16	30.57	70.4	5.34	8.0
SR4	7/29/2017 0:21	30.55	72.7	5.51	6.8	SR4	7/29/2017 6:21	30.44	67.0	5.12	6.3	SR4	7/29/2017 12:21	30.36	74.8	5.67	7.6	SR4	7/29/2017 18:21	30.57	71.1	5.39	9.1
SR4	7/29/2017 0:26	30.56	74.0	5.60	7.5	SR4	7/29/2017 6:26	30.44	63.4	4.85	8.2	SR4	7/29/2017 12:26	30.40	73.9	5.60	7.0	SR4	7/29/2017 18:26	30.61	70.5	5.34	9.5
SR4	7/29/2017 0:31	30.60	73.0	5.53	6.4	SR4	7/29/2017 6:31	30.42	67.7	5.18	8.0	SR4	7/29/2017 12:31	30.41	74.6	5.64	7.6	SR4	7/29/2017 18:31	30.61	67.6	5.14	9.3
SR4	7/29/2017 0:36	30.60	71.5	5.42	7.4	SR4	7/29/2017 6:36	30.44	66.1	5.05	8.1	SR4	7/29/2017 12:36	30.39	76.3	5.76	7.3	SR4	7/29/2017 18:36	30.58	68.9	5.23	9.3
SR4	7/29/2017 0:41	30.58	70.9	5.39	6.7	SR4	7/29/2017 6:41	30.45	69.9	5.36	6.4	SR4	7/29/2017 12:41	30.37	76.9	5.81	6.2	SR4	7/29/2017 18:41	30.61	68.6	5.22	9.1
SR4	7/29/2017 0:46	30.58	70.5	5.36	7.8	SR4	7/29/2017 6:46	30.40	69.3	5.30	7.7	SR4	7/29/2017 12:46	30.38	67.9	5.16	7.3	SR4	7/29/2017 18:46	30.61	66.6	5.07	8.9
SR4	7/29/2017 0:51	30.57	71.7	5.45	7.5	SR4	7/29/2017 6:51	30.40	68.2	5.22	7.0	SR4	7/29/2017 12:51	30.36	67.6	5.15	6.7	SR4	7/29/2017 18:51	30.61	72.6	5.50	9.3
SR4	7/29/2017 0:56	30.57	71.8	5.46	7.4	SR4	7/29/2017 6:56	30.41	70.8	5.41	8.1	SR4	7/29/2017 12:56	30.38	67.8	5.16	6.1	SR4	7/29/2017 18:56	30.63	75.0	5.67	8.6
SR4	7/29/2017 1:01	30.61	71.8	5.46	7.1	SR4	7/29/2017 7:01	30.40	70.4	5.39	7.5	SR4	7/29/2017 13:01	30.41	67.4	5.14	7.8	SR4	7/29/2017 19:01	30.64	68.9	5.23	8.6
SR4	7/29/2017 1:06	30.61	71.2	5.42	6.6	SR4	7/29/2017 7:06	30.44	67.5	5.17	6.1	SR4	7/29/2017 13:06	30.41	69.6	5.29	7.7	SR4	7/29/2017 19:06	30.62	75.1	5.68	8.2
SR4	7/29/2017 1:11	30.59	70.3	5.35	7.1	SR4	7/29/2017 7:11	30.39	66.6	5.10	6.5	SR4	7/29/2017 13:11	30.39	70.0	5.31	7.2	SR4	7/29/2017 19:11	30.65	74.8	5.66	9.5
SR4	7/29/2017 1:16	30.57	70.1	5.33	6.5	SR4	7/29/2017 7:16	30.41	66.9	5.12	6.7	SR4	7/29/2017 13:16	30.38	69.7	5.29	7.2	SR4	7/29/2017 19:16	30.65	74.5	5.64	7.9
SR4	7/29/2017 1:21	30.60	70.5	5.37	6.3	SR4	7/29/2017 7:21	30.43	65.9	5.04	6.2	SR4	7/29/2017 13:21	30.40	70.8	5.38	7.9	SR4	7/29/2017 19:21	30.65	76.2	5.76	8.1
SR4	7/29/2017 1:26	30.62	69.9	5.32	8.0	SR4	7/29/2017 7:26	30.37	66.5	5.09	7.7	SR4	7/29/2017 13:26	30.39	71.6	5.43	6.6	SR4	7/29/2017 19:26	30.65	70.8	5.37	8.3
SR4	7/29/2017 1:31	30.61	72.7	5.54	6.9	SR4	7/29/2017 7:31	30.39	63.2	4.83	7.5	SR4	7/29/2017 13:31	30.40	71.1	5.40	7.2	SR4	7/29/2017 19:31	30.67	73.5	5.57	9.5
SR4	7/29/2017 1:36	30.63	72.8	5.54	7.2	SR4	7/29/2017 7:36	30.41	68.3	5.21	7.1	SR4	7/29/2017 13:36	30.41	71.7	5.45	8.0	SR4	7/29/2017 19:36	30.63	73.8	5.59	8.1
SR4	7/29/2017 1:41	30.62	73.2	5.57	7.0	SR4	7/29/2017 7:41	30.39	71.6	5.46	6.7	SR4	7/29/2017 13:41	30.38	73.2	5.56	6.3	SR4	7/29/2017 19:41	30.68	72.4	5.48	7.9
SR4	7/29/2017 1:46	30.58	72.2	5.50	6.8	SR4	7/29/2017 7:46	30.40	72.6	5.54	8.4	SR4	7/29/2017 13:46	30.42	74.4	5.64	7.6	SR4	7/29/2017 19:46	30.66	74.5	5.62	9.2
SR4	7/29/2017 1:51	30.59	72.6	5.53	7.9	SR4	7/29/2017 7:51	30.42	69.7	5.31	8.1	SR4	7/29/2017 13:51	30.38	74.6	5.65	7.1	SR4	7/29/2017 19:51	30.67	74.0	5.57	8.8
SR4	7/29/2017 1:56	30.60	72.3	5.50	7.2	SR4	7/29/2017 7:56	30.40	66.2	5.05	6.9	SR4	7/29/2017 13:56	30.42	75.3	5.69	6.1	SR4	7/29/2017 19:56	30.67	73.1	5.50	7.8
SR4	7/29/2017 2:01	30.62	73.4	5.59	7.7	SR4	7/29/2017 8:01	30.41	65.6	5.00	6.9	SR4	7/29/2017 14:01	30.41	75.0	5.62	7.1	SR4	7/29/2017 20:01	30.67	70.9	5.34	9.0
SR4	7/29/2017 2:06	30.59	75.8	5.78	7.0	SR4	7/29/2017 8:06	30.41	66.0	5.03	8.4	SR4	7/29/2017 14:06	30.39	74.8	5.60	6.7	SR4	7/29/2017 20:06	30.67	68.6	5.18	8.7
SR4	7/29/2017 2:11	30.63	74.3	5.66	8.3	SR4	7/29/2017 8:11	30.39	65.0	4.96	7.7	SR4	7/29/2017 14:11	30.44	75.1	5.63	7.8	SR4	7/29/2017 20:11	30.67	68.7	5.19	9.3
SR4	7/29/2017 2:16	30.61	75.3	5.74	7.2	SR4	7/29/2017 8:16	30.39	65.4	4.98	7.7	SR4	7/29/2017 14:16	30.43	75.6	5.67	7.4	SR4	7/29/2017 20:16	30.70	67.5	5.10	8.1
SR4	7/29/2017 2:21	30.57	74.8	5.70	6.4	SR4	7/29/2017 8:21	30.42	65.6	5.00	7.2	SR4	7/29/2017 14:21	30.43	75.6	5.68	7.9	SR4	7/29/2017 20:21	30.68	67.9	5.12	9.0
SR4	7/29/2017 2:26	30.59	75.0	5.72	7.7	SR4	7/29/2017 8:26	30.38	66.5	5.07	7.5	SR4	7/29/2017 14:26	30.45	76.8	5.75	8.4	SR4	7/29/2017 20:26	30.68	66.4	5.02	8.6
SR4	7/29/2017 2:31	30.60	75.1	5.73	6.3	SR4	7/29/2017 8:31	30.37	66.2	5.05	6.8	SR4	7/29/2017 14:31	30.43	77.3	5.78	6.5	SR4	7/29/2017 20:31	30.71	67.3	5.09	8.0
SR4	7/29/2017 2:36	30.60	74.9	5.71	8.4	SR4	7/29/2017 8:36	30.37	66.5	5.07	8.1	SR4	7/29/2017 14:36	30.43	81.0	6.06	7.0	SR4	7/29/2017 20:36	30.69	66.8	5.05	9.4
SR4	7/29/2017 2:41	30.57	74.5	5.68	6.5	SR4	7/29/2017 8:41	30.38	66.0	5.03	7.2	SR4	7/29/2017 14:41	30.43	83.2	6.23	6.2	SR4	7/29/2017 20:41	30.67	66.0	4.99	9.1
SR4	7/29/2017 2:46	30.56	74.1	5.65	8.2	SR4	7/29/2017 8:46	30.37	64.7	4.94	7.7	SR4	7/29/2017 14:46	30.45	83.0	6.20	7.9	SR4	7/29/2017 20:46	30.72	66.6	5.04	8.9
SR4	7/29/2017 2:51	30.56	74.3	5.66	6.1	SR4	7/29/2017 8:51	30.38	64.3	4.91	7.4	SR4	7/29/2017 14:51	30.47	81.0	6.06	6.5	SR4	7/29/2017 20:51	30.72	65.5	4.96	9.1
SR4	7/29/2017 2:56	30.58	74.0	5.64	7.6	SR4	7/29/2017 8:56	30.36	64.4	4.92	7.9	SR4	7/29/2017 14:56	30.49	83.6	6.24	6.8	SR4	7/29/2017 20:56	30.73	66.5	5.03	7.8
SR4	7/29/2017 3:01	30.53	73.8	5.62	8.3	SR4	7/29/2017 9:01	30.39	65.0	4.97	6.8	SR4	7/29/2017 15:01	30.46	83.4	6.26	6.2	SR4	7/29/2017 21:01	30.73	65.0	4.92	8.1
SR4	7/29/2017 3:06	30.52	74.2	5.65	6.3	SR4	7/29/2017 9:06	30.37	64.8	4.95	6.6	SR4	7/29/2017 15:06	30.47	83.3	6.24	6.8	SR4	7/29/2017 21:06	30.69	67.5	5.11	8.9
SR4	7/29/2017 3:11	30.55	74.6	5.69	7.8	SR4	7/29/2017 9:11	30.39	63.8	4.87	7.3	SR4	7/29/2017 15:11	30.45	82.1	6.17	7.1	SR4	7/29/2017 21:11	30.71	67.8	5.13	9.1
SR4	7/29/2017 3:16	30.55	73.5	5.60	8.3	SR4	7/29/2017 9:16	30.38	64.5	4.92	6.2	SR4	7/29/2017 15:16	30.49	82.3	6.20	6.8	SR4	7/29/2017 21:16	30.70	67.3	5.09	7.8
SR4	7/29/2017 3:21	30.50	72.9	5.56	7.8	SR4	7/29/2017 9:21	30.39	63.8	4.87	6.4	SR4	7/29/2017 15:21	30.45	82.9	6.23	6.8	SR4	7/29/2017 21:21	30.68	65.9	4.97	7.9
SR4	7/29/2017 3:26	30.53	74.0	5.64	7.9	SR4	7/29/2017 9:26	30.37	64.1	4.89	6.2	SR4	7/29/2017 15:26	30.47	82.5	6.21	8.4	SR4	7/29/2017 21:26	30.71	67.5	5.11	8.4
SR4	7/29/2017 3:31	30.50	73.0	5.57	7.0	SR4	7/29/2017 9:31	30.38	63.9	4.88	7.1	SR4	7/29/2017 15:31	30.50	81.9	6.18	7.9	SR4	7/29/2017 21:31	30.71	65.5	4.95	8.6
SR4	7/29/2017 3:36	30.49	72.8	5.55	7.3	SR4	7/29/2017 9:36	30.40	63.2	4.82	7.2	SR4	7/29/2017 15:36	30.46	78.4	5.93	7.6	SR4	7/29/2017 21:36	30.72	67.1	5.07	7.9
SR4	7/29/2017 3:41	30.52	72.0	5.50	8.4	SR4	7/29/2017 9:41	30.36	63.3	4.84	6.3	SR4	7/29/2017 15:41	30.48	77.8	5.89	6.6	SR4	7/29/2017 21:41	30.71	67.2	5.08	9.0
SR4	7/29/2017 3:46	30.50	72.5	5.53	7.9	SR4	7/29/2017 9:46	30.38	63.9	4.88	7.0	SR4	7/29/2017 15:46	30.51	78.9	5.96	7.9	SR4	7/29/2017 21:46	30.70	66.8	5.06	8.2
SR4	7/29/2017 3:51	30.52	74.4	5.68	8.2	SR4	7/29/2017 9:51	30.40	64.1	4.90	7.5	SR4	7/29/2017 15:51	30.50	79.6	6.01	7.9	SR4	7/29/2017 21:51	30.71	66.3	5.02	8.8
SR4	7/29/2017 3:56	30.49	72.5	5.54	8.1	SR4	7/29/2017 9:56	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)
SR5	7/29/2017 0:00	30.60	80.4	6.28	5.7	SR5	7/29/2017 6:00	29.99	78.9	6.28	6.1	SR5	7/29/2017 12:00	30.21	70.6	5.51	4.9	SR5	7/29/2017 18:00	30.53	72.4	5.60	6.5
SR5	7/29/2017 0:05	30.60	80.2	6.26	5.6	SR5	7/29/2017 6:05	30.01	78.1	6.22	6.0	SR5	7/29/2017 12:05	30.25	70.4	5.48	5.6	SR5	7/29/2017 18:05	30.53	72.7	5.64	5.7
SR5	7/29/2017 0:10	30.62	80.5	6.28	6.2	SR5	7/29/2017 6:10	29.97	78.0	6.22	5.6	SR5	7/29/2017 12:10	30.22	69.5	5.41	5.5	SR5	7/29/2017 18:10	30.55	71.8	5.57	6.4
SR5	7/29/2017 0:15	30.62	81.2	6.34	6.3	SR5	7/29/2017 6:15	29.98	77.8	6.19	6.1	SR5	7/29/2017 12:15	30.22	69.7	5.42	5.5	SR5	7/29/2017 18:15	30.52	68.8	5.36	5.8
SR5	7/29/2017 0:20	30.58	82.0	6.40	5.9	SR5	7/29/2017 6:20	30.02	77.4	6.16	5.2	SR5	7/29/2017 12:20	30.24	69.3	5.38	5.3	SR5	7/29/2017 18:20	30.54	68.3	5.34	6.3
SR5	7/29/2017 0:25	30.58	82.2	6.41	6.0	SR5	7/29/2017 6:25	30.01	76.5	6.09	6.3	SR5	7/29/2017 12:25	30.28	68.9	5.35	5.0	SR5	7/29/2017 18:25	30.54	69.7	5.45	6.6
SR5	7/29/2017 0:30	30.60	81.7	6.37	5.6	SR5	7/29/2017 6:30	29.98	77.5	6.17	6.2	SR5	7/29/2017 12:30	30.24	69.4	5.38	5.3	SR5	7/29/2017 18:30	30.56	68.3	5.34	6.3
SR5	7/29/2017 0:35	30.61	81.4	6.34	5.9	SR5	7/29/2017 6:35	30.03	77.5	6.17	6.3	SR5	7/29/2017 12:35	30.23	69.6	5.40	5.1	SR5	7/29/2017 18:35	30.53	68.2	5.33	6.7
SR5	7/29/2017 0:40	30.58	80.9	6.31	5.6	SR5	7/29/2017 6:40	30.04	77.9	6.20	5.3	SR5	7/29/2017 12:40	30.27	69.9	5.43	4.5	SR5	7/29/2017 18:40	30.55	67.6	5.28	6.6
SR5	7/29/2017 0:45	30.57	80.8	6.31	5.9	SR5	7/29/2017 6:45	30.03	78.4	6.24	6.0	SR5	7/29/2017 12:45	30.24	67.5	5.26	5.3	SR5	7/29/2017 18:45	30.55	68.2	5.32	6.3
SR5	7/29/2017 0:50	30.58	81.0	6.32	5.8	SR5	7/29/2017 6:50	30.00	78.3	6.23	5.7	SR5	7/29/2017 12:50	30.27	67.2	5.24	4.8	SR5	7/29/2017 18:50	30.58	70.3	5.47	6.5
SR5	7/29/2017 0:55	30.56	80.9	6.32	5.7	SR5	7/29/2017 6:55	30.05	79.2	6.30	6.2	SR5	7/29/2017 12:55	30.29	67.0	5.24	4.5	SR5	7/29/2017 18:55	30.58	70.9	5.51	6.2
SR5	7/29/2017 1:00	30.56	81.0	6.33	5.6	SR5	7/29/2017 7:00	30.02	78.7	6.26	5.9	SR5	7/29/2017 13:00	30.25	66.7	5.23	5.6	SR5	7/29/2017 19:00	30.57	68.8	5.35	6.1
SR5	7/29/2017 1:05	30.58	80.9	6.32	5.3	SR5	7/29/2017 7:05	30.04	78.2	6.22	5.1	SR5	7/29/2017 13:05	30.29	67.6	5.29	5.4	SR5	7/29/2017 19:05	30.59	70.4	5.47	5.8
SR5	7/29/2017 1:10	30.58	80.5	6.29	5.7	SR5	7/29/2017 7:10	30.05	78.3	6.23	5.3	SR5	7/29/2017 13:10	30.27	67.7	5.30	5.2	SR5	7/29/2017 19:10	30.58	69.4	5.40	6.4
SR5	7/29/2017 1:15	30.54	80.3	6.28	5.3	SR5	7/29/2017 7:15	30.03	78.1	6.22	5.4	SR5	7/29/2017 13:15	30.28	68.2	5.34	5.1	SR5	7/29/2017 19:15	30.60	69.4	5.40	5.7
SR5	7/29/2017 1:20	30.58	80.3	6.28	5.2	SR5	7/29/2017 7:20	30.07	77.7	6.18	5.1	SR5	7/29/2017 13:20	30.26	69.0	5.39	5.7	SR5	7/29/2017 19:20	30.56	69.2	5.38	5.6
SR5	7/29/2017 1:25	30.52	79.9	6.25	6.0	SR5	7/29/2017 7:25	30.03	77.6	6.17	5.9	SR5	7/29/2017 13:25	30.27	69.0	5.39	4.8	SR5	7/29/2017 19:25	30.60	68.8	5.36	5.9
SR5	7/29/2017 1:30	30.53	80.7	6.31	5.4	SR5	7/29/2017 7:30	30.05	76.7	6.10	5.7	SR5	7/29/2017 13:30	30.30	68.9	5.38	5.1	SR5	7/29/2017 19:30	30.57	69.4	5.40	6.9
SR5	7/29/2017 1:35	30.54	81.1	6.35	5.6	SR5	7/29/2017 7:35	30.03	78.0	6.20	5.6	SR5	7/29/2017 13:35	30.27	69.6	5.43	5.4	SR5	7/29/2017 19:35	30.57	69.1	5.38	6.5
SR5	7/29/2017 1:40	30.56	81.1	6.35	5.5	SR5	7/29/2017 7:40	30.06	78.9	6.26	5.3	SR5	7/29/2017 13:40	30.27	70.0	5.47	4.6	SR5	7/29/2017 19:40	30.61	69.5	5.40	6.3
SR5	7/29/2017 1:45	30.52	81.2	6.36	5.3	SR5	7/29/2017 7:45	30.05	79.5	6.31	6.2	SR5	7/29/2017 13:45	30.28	70.5	5.51	5.3	SR5	7/29/2017 19:45	30.56	69.9	5.43	6.7
SR5	7/29/2017 1:50	30.52	80.6	6.31	6.0	SR5	7/29/2017 7:50	30.06	78.9	6.26	6.1	SR5	7/29/2017 13:50	30.32	70.6	5.51	5.0	SR5	7/29/2017 19:50	30.60	69.3	5.37	6.9
SR5	7/29/2017 1:55	30.52	80.8	6.32	5.6	SR5	7/29/2017 7:55	30.08	77.6	6.16	5.4	SR5	7/29/2017 13:55	30.31	71.1	5.54	4.7	SR5	7/29/2017 19:55	30.56	68.7	5.32	6.5
SR5	7/29/2017 2:00	30.52	80.9	6.33	5.9	SR5	7/29/2017 8:00	30.05	77.2	6.12	5.5	SR5	7/29/2017 14:00	30.32	71.1	5.53	5.1	SR5	7/29/2017 20:00	30.60	67.7	5.24	6.7
SR5	7/29/2017 2:05	30.49	81.6	6.39	5.7	SR5	7/29/2017 8:05	30.07	77.1	6.11	6.3	SR5	7/29/2017 14:05	30.31	71.1	5.53	4.8	SR5	7/29/2017 20:05	30.57	67.7	5.25	6.7
SR5	7/29/2017 2:10	30.52	81.4	6.37	6.3	SR5	7/29/2017 8:10	30.07	76.9	6.10	6.0	SR5	7/29/2017 14:10	30.31	71.6	5.57	5.6	SR5	7/29/2017 20:10	30.57	67.7	5.25	7.2
SR5	7/29/2017 2:15	30.50	82.1	6.43	5.8	SR5	7/29/2017 8:15	30.04	77.0	6.11	5.9	SR5	7/29/2017 14:15	30.35	71.6	5.58	5.3	SR5	7/29/2017 20:15	30.59	67.4	5.23	7.0
SR5	7/29/2017 2:20	29.76	82.0	6.43	5.4	SR5	7/29/2017 8:20	30.07	77.0	6.10	5.6	SR5	7/29/2017 14:20	30.33	71.9	5.59	5.4	SR5	7/29/2017 20:20	30.56	69.7	5.32	7.0
SR5	7/29/2017 2:25	29.77	82.0	6.43	5.9	SR5	7/29/2017 8:25	30.10	77.3	6.12	5.6	SR5	7/29/2017 14:25	30.35	72.5	5.63	5.7	SR5	7/29/2017 20:25	30.59	68.4	5.22	6.7
SR5	7/29/2017 2:30	29.76	82.1	6.43	5.2	SR5	7/29/2017 8:30	30.07	77.3	6.12	5.3	SR5	7/29/2017 14:30	30.34	72.8	5.64	4.6	SR5	7/29/2017 20:30	30.61	70.1	5.35	6.3
SR5	7/29/2017 2:35	29.75	82.0	6.43	6.1	SR5	7/29/2017 8:35	30.07	77.3	6.11	5.9	SR5	7/29/2017 14:35	30.36	74.3	5.74	4.9	SR5	7/29/2017 20:35	30.61	69.3	5.29	6.6
SR5	7/29/2017 2:40	29.76	82.0	6.42	5.1	SR5	7/29/2017 8:40	30.06	77.1	6.09	5.6	SR5	7/29/2017 14:40	30.38	75.3	5.82	4.6	SR5	7/29/2017 20:40	30.56	68.5	5.23	6.5
SR5	7/29/2017 2:45	29.76	81.8	6.41	6.0	SR5	7/29/2017 8:45	30.09	76.7	6.06	5.7	SR5	7/29/2017 14:45	30.39	74.6	5.77	5.5	SR5	7/29/2017 20:45	30.58	68.4	5.22	6.3
SR5	7/29/2017 2:50	29.70	81.9	6.41	4.9	SR5	7/29/2017 8:50	30.09	76.6	6.05	5.8	SR5	7/29/2017 14:50	30.36	74.2	5.75	4.7	SR5	7/29/2017 20:50	30.58	70.5	5.38	6.3
SR5	7/29/2017 2:55	29.75	81.6	6.40	5.7	SR5	7/29/2017 8:55	30.06	76.5	6.04	6.0	SR5	7/29/2017 14:55	30.39	75.2	5.81	4.8	SR5	7/29/2017 20:55	30.61	69.2	5.28	5.8
SR5	7/29/2017 3:00	29.70	81.5	6.39	6.0	SR5	7/29/2017 9:00	30.10	76.8	6.07	5.6	SR5	7/29/2017 15:00	30.39	74.2	5.75	5.0	SR5	7/29/2017 21:00	30.56	68.4	5.22	6.0
SR5	7/29/2017 3:05	29.72	81.6	6.40	5.1	SR5	7/29/2017 9:05	30.11	76.7	6.05	5.5	SR5	7/29/2017 15:05	30.41	74.9	5.80	5.0	SR5	7/29/2017 21:05	30.58	70.0	5.34	6.2
SR5	7/29/2017 3:10	29.69	81.9	6.42	5.7	SR5	7/29/2017 9:10	30.09	76.5	6.03	5.6	SR5	7/29/2017 15:10	30.38	74.1	5.75	5.0	SR5	7/29/2017 21:10	30.61	70.6	5.39	7.2
SR5	7/29/2017 3:15	29.70	81.6	6.40	6.1	SR5	7/29/2017 9:15	30.10	76.5	6.03	5.1	SR5	7/29/2017 15:15	30.43	74.8	5.80	4.9	SR5	7/29/2017 21:15	30.59	68.8	5.25	6.1
SR5	7/29/2017 3:20	29.74	81.4	6.39	5.8	SR5	7/29/2017 9:20	30.13	76.4	6.02	5.1	SR5	7/29/2017 15:20	30.39	74.4	5.77	5.1	SR5	7/29/2017 21:20	30.57	68.4	5.22	6.1
SR5	7/29/2017 3:25	29.78	81.8	6.42	5.9	SR5	7/29/2017 9:25	30.13	76.4	6.01	5.0	SR5	7/29/2017 15:25	30.40	74.2	5.76	5.7	SR5	7/29/2017 21:25	30.58	68.8	5.25	6.7
SR5	7/29/2017 3:30	29.75	81.3	6.38	5.4	SR5	7/29/2017 9:30	30.09	76.5	6.02	5.3	SR5	7/29/2017 15:30	30.40	73.4	5.70	5.6	SR5	7/29/2017 21:30	30.58	69.4	5.30	6.6
SR5	7/29/2017 3:35	29.78	81.2	6.37	5.5	SR5	7/29/2017 9:35	30.09	76.3	6.00	5.4	SR5	7/29/2017 15:35	30.40	72.4	5.62	5.3	SR5	7/29/2017 21:35	30.57	69.6	5.31	6.3
SR5	7/29/2017 3:40	29.78	81.2	6.37	6.2	SR5	7/29/2017 9:40	30.09	76.2	5.99	5.2	SR5	7/29/2017 15:40	30.44	72.0	5.59	4.9	SR5	7/29/2017 21:40	30.57	68.4	5.22	6.9
SR5	7/29/2017 3:45	29.80	81.0	6.35	6.1	SR5	7/29/2017 9:45	30.11	76.5	6.01	5.4	SR5	7/29/2017 15:45	30.43	72.2	5.61	5.6	SR5	7/29/2017 21:45	30.59	69.7	5.32	6.3
SR5	7/29/2017 3:50	29.79	81.7	6.42	6.4	SR5	7/29/2017 9:50	30.14	76.7	6.03	5.6	SR5	7/29/2017 15:50	30.45	72.3	5.61	5.6	SR5	7/29/2017 21:50	30.58	70.5	5.38	6.8
SR5	7/29/2017 3:55	29.83	81.3	6.40	6.3	SR5	7/29/2017 9:55	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)
SR12	7/29/2017 0:01	30.07	69.7	5.39	5.4	SR12	7/29/2017 6:01	29.54	67.8	5.30	6.8	SR12	7/29/2017 12:01	29.82	70.7	5.49	5.3	SR12	7/29/2017 18:01	30.26	75.3	5.79	8.7
SR12	7/29/2017 0:06	30.08	69.3	5.37	5.5	SR12	7/29/2017 6:06	29.55	66.1	5.17	6.7	SR12	7/29/2017 12:06	29.81	71.6	5.55	6.0	SR12	7/29/2017 18:06	30.28	75.9	5.83	7.8
SR12	7/29/2017 0:11	30.09	69.4	5.38	6.1	SR12	7/29/2017 6:11	29.54	65.9	5.14	6.4	SR12	7/29/2017 12:11	29.74	71.4	5.52	5.8	SR12	7/29/2017 18:11	30.20	75.2	5.78	9.0
SR12	7/29/2017 0:16	30.10	70.4	5.46	6.1	SR12	7/29/2017 6:16	29.55	66.4	5.19	7.1	SR12	7/29/2017 12:16	29.75	71.4	5.52	6.0	SR12	7/29/2017 18:16	30.17	68.8	5.33	7.9
SR12	7/29/2017 0:21	30.14	71.3	5.53	5.6	SR12	7/29/2017 6:21	29.56	66.7	5.21	6.3	SR12	7/29/2017 12:21	29.72	71.0	5.50	5.7	SR12	7/29/2017 18:21	30.11	69.1	5.35	8.7
SR12	7/29/2017 0:26	30.10	72.1	5.58	6.0	SR12	7/29/2017 6:26	29.54	64.5	5.05	6.8	SR12	7/29/2017 12:26	29.71	70.3	5.45	5.4	SR12	7/29/2017 18:26	30.22	69.3	5.37	8.7
SR12	7/29/2017 0:31	30.13	71.4	5.53	5.4	SR12	7/29/2017 6:31	29.52	67.1	5.24	6.8	SR12	7/29/2017 12:31	29.69	70.7	5.47	5.5	SR12	7/29/2017 18:31	30.18	67.3	5.22	8.3
SR12	7/29/2017 0:36	30.20	70.4	5.45	5.9	SR12	7/29/2017 6:36	29.55	66.2	5.18	6.4	SR12	7/29/2017 12:36	29.68	71.7	5.54	5.4	SR12	7/29/2017 18:36	30.15	67.9	5.27	8.2
SR12	7/29/2017 0:41	30.11	69.9	5.43	5.5	SR12	7/29/2017 6:41	29.55	68.4	5.34	5.6	SR12	7/29/2017 12:41	29.78	72.2	5.58	5.0	SR12	7/29/2017 18:41	30.10	67.6	5.24	8.0
SR12	7/29/2017 0:46	30.05	69.8	5.41	6.3	SR12	7/29/2017 6:46	29.54	68.3	5.33	6.4	SR12	7/29/2017 12:46	29.84	66.8	5.18	5.5	SR12	7/29/2017 18:46	30.18	66.7	5.18	7.9
SR12	7/29/2017 0:51	30.03	70.5	5.47	6.1	SR12	7/29/2017 6:51	29.53	67.7	5.29	5.9	SR12	7/29/2017 12:51	29.79	66.6	5.18	5.1	SR12	7/29/2017 18:51	30.23	70.6	5.45	8.4
SR12	7/29/2017 0:56	30.01	70.5	5.48	5.8	SR12	7/29/2017 6:56	29.55	69.3	5.41	6.3	SR12	7/29/2017 12:56	29.72	66.6	5.18	4.9	SR12	7/29/2017 18:56	30.25	72.1	5.57	7.8
SR12	7/29/2017 1:01	30.00	70.4	5.46	5.7	SR12	7/29/2017 7:01	29.54	68.9	5.39	6.1	SR12	7/29/2017 13:01	29.70	66.3	5.16	5.6	SR12	7/29/2017 19:01	30.22	68.2	5.28	7.9
SR12	7/29/2017 1:06	30.01	70.1	5.44	5.3	SR12	7/29/2017 7:06	29.55	67.3	5.26	5.3	SR12	7/29/2017 13:06	29.80	67.7	5.27	5.6	SR12	7/29/2017 19:06	30.21	71.9	5.55	7.3
SR12	7/29/2017 1:11	30.00	69.5	5.40	6.0	SR12	7/29/2017 7:11	29.54	66.8	5.22	5.8	SR12	7/29/2017 13:11	29.80	68.0	5.27	5.5	SR12	7/29/2017 19:11	30.12	71.4	5.51	7.9
SR12	7/29/2017 1:16	29.98	69.3	5.38	5.5	SR12	7/29/2017 7:16	29.52	66.9	5.23	6.4	SR12	7/29/2017 13:16	29.83	68.0	5.28	5.7	SR12	7/29/2017 19:16	30.13	71.2	5.51	7.4
SR12	7/29/2017 1:21	29.96	69.6	5.41	5.2	SR12	7/29/2017 7:21	29.54	66.2	5.17	5.7	SR12	7/29/2017 13:21	29.94	68.9	5.35	6.1	SR12	7/29/2017 19:21	30.07	72.0	5.55	7.3
SR12	7/29/2017 1:26	29.94	69.1	5.37	6.0	SR12	7/29/2017 7:26	29.52	66.5	5.19	6.0	SR12	7/29/2017 13:26	29.84	69.3	5.37	5.7	SR12	7/29/2017 19:26	30.16	69.2	5.35	7.2
SR12	7/29/2017 1:31	29.92	70.9	5.51	5.5	SR12	7/29/2017 7:31	29.53	64.6	5.04	6.3	SR12	7/29/2017 13:31	29.85	69.1	5.36	5.7	SR12	7/29/2017 19:31	30.12	70.8	5.48	7.8
SR12	7/29/2017 1:36	29.93	71.0	5.52	5.6	SR12	7/29/2017 7:36	29.54	67.6	5.27	6.5	SR12	7/29/2017 13:36	29.86	69.5	5.39	6.8	SR12	7/29/2017 19:36	30.10	70.8	5.48	7.4
SR12	7/29/2017 1:41	29.93	71.2	5.53	5.4	SR12	7/29/2017 7:41	29.56	69.6	5.42	5.9	SR12	7/29/2017 13:41	29.89	70.5	5.46	5.4	SR12	7/29/2017 19:41	30.16	70.2	5.43	7.2
SR12	7/29/2017 1:46	29.90	70.8	5.51	5.4	SR12	7/29/2017 7:46	29.60	70.3	5.48	6.6	SR12	7/29/2017 13:46	30.00	71.4	5.53	6.9	SR12	7/29/2017 19:46	30.14	71.4	5.51	7.6
SR12	7/29/2017 1:51	29.91	70.8	5.50	6.0	SR12	7/29/2017 7:51	29.60	68.6	5.34	6.3	SR12	7/29/2017 13:51	30.05	71.5	5.53	5.8	SR12	7/29/2017 19:51	30.15	70.9	5.45	7.7
SR12	7/29/2017 1:56	29.91	70.7	5.49	5.6	SR12	7/29/2017 7:56	29.65	66.3	5.17	6.0	SR12	7/29/2017 13:56	30.09	72.0	5.56	6.2	SR12	7/29/2017 19:56	30.16	70.2	5.40	6.9
SR12	7/29/2017 2:01	29.91	71.3	5.54	5.9	SR12	7/29/2017 8:01	29.64	65.9	5.14	6.4	SR12	7/29/2017 14:01	30.16	71.9	5.52	7.5	SR12	7/29/2017 20:01	30.19	68.7	5.29	7.6
SR12	7/29/2017 2:06	29.90	72.8	5.66	5.6	SR12	7/29/2017 8:06	29.65	66.0	5.14	6.6	SR12	7/29/2017 14:06	30.13	71.8	5.51	6.5	SR12	7/29/2017 20:06	30.15	67.5	5.21	7.6
SR12	7/29/2017 2:11	29.91	71.9	5.60	6.1	SR12	7/29/2017 8:11	29.65	65.5	5.10	6.3	SR12	7/29/2017 14:11	30.25	72.1	5.53	7.2	SR12	7/29/2017 20:11	30.14	67.7	5.22	7.7
SR12	7/29/2017 2:16	29.89	72.8	5.66	5.8	SR12	7/29/2017 8:16	29.64	65.7	5.12	5.9	SR12	7/29/2017 14:16	30.18	72.4	5.57	7.9	SR12	7/29/2017 20:16	30.15	66.9	5.17	6.7
SR12	7/29/2017 2:21	29.92	72.4	5.63	5.3	SR12	7/29/2017 8:21	29.65	65.9	5.13	5.8	SR12	7/29/2017 14:21	30.31	72.5	5.57	7.3	SR12	7/29/2017 20:21	30.13	67.0	5.16	7.3
SR12	7/29/2017 2:26	29.92	72.5	5.65	5.9	SR12	7/29/2017 8:26	29.65	66.4	5.18	6.2	SR12	7/29/2017 14:26	30.38	73.4	5.63	7.4	SR12	7/29/2017 20:26	30.15	66.0	5.10	6.9
SR12	7/29/2017 2:31	29.91	72.7	5.65	5.2	SR12	7/29/2017 8:31	29.65	66.2	5.16	5.5	SR12	7/29/2017 14:31	30.42	73.7	5.65	6.8	SR12	7/29/2017 20:31	30.15	66.5	5.14	6.5
SR12	7/29/2017 2:36	29.91	72.5	5.64	6.1	SR12	7/29/2017 8:36	29.64	66.4	5.17	6.3	SR12	7/29/2017 14:36	30.55	76.2	5.83	7.2	SR12	7/29/2017 20:36	30.15	66.1	5.10	7.1
SR12	7/29/2017 2:41	29.91	72.3	5.62	5.1	SR12	7/29/2017 8:41	29.62	66.1	5.14	6.2	SR12	7/29/2017 14:41	30.51	77.7	5.95	7.0	SR12	7/29/2017 20:41	30.13	65.5	5.07	7.4
SR12	7/29/2017 2:46	29.90	72.0	5.60	6.1	SR12	7/29/2017 8:46	29.63	65.2	5.09	6.2	SR12	7/29/2017 14:46	30.44	77.4	5.91	8.8	SR12	7/29/2017 20:46	30.14	65.9	5.10	7.0
SR12	7/29/2017 2:51	29.47	72.2	5.61	5.0	SR12	7/29/2017 8:51	29.61	64.9	5.07	6.1	SR12	7/29/2017 14:51	30.29	76.1	5.84	10.5	SR12	7/29/2017 20:51	30.14	65.1	5.04	7.3
SR12	7/29/2017 2:56	29.49	71.9	5.59	5.7	SR12	7/29/2017 8:56	29.60	65.0	5.07	6.3	SR12	7/29/2017 14:56	30.44	77.9	5.96	8.5	SR12	7/29/2017 20:56	30.14	65.6	5.08	6.4
SR12	7/29/2017 3:01	29.46	71.8	5.59	6.3	SR12	7/29/2017 9:01	29.62	65.4	5.11	6.0	SR12	7/29/2017 15:01	30.15	77.3	5.94	10.3	SR12	7/29/2017 21:01	30.10	64.7	5.01	6.9
SR12	7/29/2017 3:06	29.46	72.0	5.60	5.3	SR12	7/29/2017 9:06	29.63	65.2	5.09	5.7	SR12	7/29/2017 15:06	30.22	77.6	5.95	7.7	SR12	7/29/2017 21:06	30.11	66.1	5.12	7.7
SR12	7/29/2017 3:11	29.44	72.3	5.63	5.9	SR12	7/29/2017 9:11	29.61	64.6	5.04	6.5	SR12	7/29/2017 15:11	30.10	76.7	5.89	7.7	SR12	7/29/2017 21:11	30.12	66.3	5.14	7.3
SR12	7/29/2017 3:16	29.45	71.6	5.57	6.2	SR12	7/29/2017 9:16	29.62	65.0	5.06	5.7	SR12	7/29/2017 15:16	30.30	77.0	5.93	8.0	SR12	7/29/2017 21:16	30.11	66.1	5.11	6.7
SR12	7/29/2017 3:21	29.46	71.3	5.56	6.4	SR12	7/29/2017 9:21	29.63	64.6	5.03	5.8	SR12	7/29/2017 15:21	30.18	77.3	5.94	7.7	SR12	7/29/2017 21:21	30.10	65.2	5.04	6.6
SR12	7/29/2017 3:26	29.48	72.0	5.60	6.3	SR12	7/29/2017 9:26	29.64	64.8	5.06	6.1	SR12	7/29/2017 15:26	30.19	77.0	5.92	8.3	SR12	7/29/2017 21:26	30.12	66.2	5.12	6.8
SR12	7/29/2017 3:31	29.45	71.2	5.54	5.7	SR12	7/29/2017 9:31	29.61	64.7	5.05	6.5	SR12	7/29/2017 15:31	30.04	76.3	5.88	7.7	SR12	7/29/2017 21:31	30.13	65.0	5.02	7.2
SR12	7/29/2017 3:36	29.47	71.1	5.53	6.0	SR12	7/29/2017 9:36	29.61	64.3	5.01	6.1	SR12	7/29/2017 15:36	30.08	74.1	5.73	7.6	SR12	7/29/2017 21:36	30.14	66.0	5.10	6.9
SR12	7/29/2017 3:41	29.46	70.8	5.51	6.6	SR12	7/29/2017 9:41	29.61	64.3	5.01	5.6	SR12	7/29/2017 15:41	30.04	73.6	5.69	7.4	SR12	7/29/2017 21:41	30.13	66.0	5.10	7.0
SR12	7/29/2017 3:46	29.47	70.8	5.51	7.6	SR12	7/29/2017 9:46	29.63	64.7	5.04	5.8	SR12	7/29/2017 15:46	30.04	74.3	5.72	8.4	SR12	7/29/2017 21:46	30.14	65.7	5.08	6.7
SR12	7/29/2017 3:51	29.47	72.2	5.62	6.8	SR12	7/29/2017 9:51	29.64	64.9	5.06	6.0	SR12	7/29/2017 15:51	30.00</									

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)
SR13	7/29/2017 0:00	30.43	67.9	5.35	6.5	SR13	7/29/2017 6:00	30.10	66.5	5.29	6.7	SR13	7/29/2017 12:00	30.20	69.8	5.52	7.6	SR13	7/29/2017 18:00	30.48	74.7	5.84	8.1
SR13	7/29/2017 0:05	30.46	67.5	5.32	7.0	SR13	7/29/2017 6:05	30.11	65.5	5.21	6.8	SR13	7/29/2017 12:05	30.22	69.6	5.50	7.5	SR13	7/29/2017 18:05	30.48	75.1	5.87	8.1
SR13	7/29/2017 0:10	30.47	68.0	5.36	6.5	SR13	7/29/2017 6:10	30.08	65.5	5.21	5.9	SR13	7/29/2017 12:10	30.17	68.6	5.41	6.6	SR13	7/29/2017 18:10	30.49	73.3	5.74	7.7
SR13	7/29/2017 0:15	30.45	69.4	5.47	7.0	SR13	7/29/2017 6:15	30.09	64.7	5.14	6.5	SR13	7/29/2017 12:15	30.18	68.8	5.43	7.4	SR13	7/29/2017 18:15	30.46	69.5	5.47	7.7
SR13	7/29/2017 0:20	30.45	70.8	5.58	6.8	SR13	7/29/2017 6:20	30.11	63.7	5.06	6.5	SR13	7/29/2017 12:20	30.17	67.9	5.37	6.8	SR13	7/29/2017 18:20	30.45	68.6	5.41	7.9
SR13	7/29/2017 0:25	30.45	71.1	5.60	6.8	SR13	7/29/2017 6:25	30.10	62.4	4.97	7.0	SR13	7/29/2017 12:25	30.19	67.1	5.31	6.5	SR13	7/29/2017 18:25	30.50	71.9	5.66	7.7
SR13	7/29/2017 0:30	30.48	70.2	5.53	6.7	SR13	7/29/2017 6:30	30.09	63.7	5.06	6.5	SR13	7/29/2017 12:30	30.18	67.2	5.31	7.4	SR13	7/29/2017 18:30	30.49	69.6	5.48	7.7
SR13	7/29/2017 0:35	30.50	69.7	5.49	6.4	SR13	7/29/2017 6:35	30.12	63.9	5.08	5.7	SR13	7/29/2017 12:35	30.17	67.6	5.34	7.7	SR13	7/29/2017 18:35	30.46	69.0	5.44	7.5
SR13	7/29/2017 0:40	30.46	68.9	5.43	6.6	SR13	7/29/2017 6:40	30.12	64.0	5.08	5.9	SR13	7/29/2017 12:40	30.20	68.1	5.37	7.7	SR13	7/29/2017 18:40	30.47	67.8	5.34	7.9
SR13	7/29/2017 0:45	30.44	68.7	5.42	6.5	SR13	7/29/2017 6:45	30.09	65.3	5.19	6.3	SR13	7/29/2017 12:45	30.21	65.8	5.20	7.8	SR13	7/29/2017 18:45	30.49	69.3	5.46	6.8
SR13	7/29/2017 0:50	30.43	69.0	5.44	6.1	SR13	7/29/2017 6:50	30.08	65.2	5.18	5.9	SR13	7/29/2017 12:50	30.20	65.3	5.17	7.6	SR13	7/29/2017 18:50	30.51	72.5	5.69	7.2
SR13	7/29/2017 0:55	30.43	68.9	5.44	7.2	SR13	7/29/2017 6:55	30.11	66.5	5.28	6.4	SR13	7/29/2017 12:55	30.19	64.9	5.14	6.9	SR13	7/29/2017 18:55	30.53	73.2	5.75	7.0
SR13	7/29/2017 1:00	30.44	68.8	5.43	6.6	SR13	7/29/2017 7:00	30.09	65.6	5.22	6.5	SR13	7/29/2017 13:00	30.19	64.8	5.14	7.5	SR13	7/29/2017 19:00	30.51	70.1	5.51	7.4
SR13	7/29/2017 1:05	30.45	68.8	5.44	6.4	SR13	7/29/2017 7:05	30.12	65.2	5.18	6.1	SR13	7/29/2017 13:05	30.23	66.0	5.23	7.9	SR13	7/29/2017 19:05	30.51	71.9	5.65	7.3
SR13	7/29/2017 1:10	30.44	68.3	5.40	6.6	SR13	7/29/2017 7:10	30.09	65.6	5.22	6.1	SR13	7/29/2017 13:10	30.21	66.3	5.24	6.7	SR13	7/29/2017 19:10	30.50	69.9	5.49	7.2
SR13	7/29/2017 1:15	30.41	67.9	5.36	6.5	SR13	7/29/2017 7:15	30.09	65.2	5.19	6.6	SR13	7/29/2017 13:15	30.22	67.2	5.32	7.4	SR13	7/29/2017 19:15	30.51	70.0	5.51	7.5
SR13	7/29/2017 1:20	30.44	67.8	5.36	7.0	SR13	7/29/2017 7:20	30.11	64.4	5.12	6.7	SR13	7/29/2017 13:20	30.25	68.5	5.41	7.0	SR13	7/29/2017 19:20	30.48	69.2	5.44	7.2
SR13	7/29/2017 1:25	30.42	67.1	5.31	6.4	SR13	7/29/2017 7:25	30.07	64.1	5.10	6.2	SR13	7/29/2017 13:25	30.22	68.3	5.40	6.4	SR13	7/29/2017 19:25	30.51	69.9	5.50	7.1
SR13	7/29/2017 1:30	30.42	68.2	5.39	7.1	SR13	7/29/2017 7:30	30.09	63.0	5.01	6.1	SR13	7/29/2017 13:30	30.24	68.3	5.39	7.6	SR13	7/29/2017 19:30	30.50	70.5	5.55	7.6
SR13	7/29/2017 1:35	30.43	69.2	5.47	6.2	SR13	7/29/2017 7:35	30.10	64.6	5.13	6.9	SR13	7/29/2017 13:35	30.24	69.3	5.47	6.8	SR13	7/29/2017 19:35	30.48	69.7	5.49	7.1
SR13	7/29/2017 1:40	30.43	68.9	5.45	7.2	SR13	7/29/2017 7:40	30.10	65.7	5.21	7.0	SR13	7/29/2017 13:40	30.23	69.9	5.51	8.2	SR13	7/29/2017 19:40	30.53	71.0	5.59	7.9
SR13	7/29/2017 1:45	30.40	69.4	5.50	6.3	SR13	7/29/2017 7:45	30.11	66.8	5.30	6.5	SR13	7/29/2017 13:45	30.28	71.3	5.61	7.2	SR13	7/29/2017 19:45	30.51	71.4	5.61	7.2
SR13	7/29/2017 1:50	30.41	67.9	5.37	5.8	SR13	7/29/2017 7:50	30.12	66.2	5.25	6.6	SR13	7/29/2017 13:50	30.29	71.4	5.61	7.4	SR13	7/29/2017 19:50	30.52	69.9	5.49	7.3
SR13	7/29/2017 1:55	30.41	68.5	5.42	7.0	SR13	7/29/2017 7:55	30.13	64.1	5.09	6.5	SR13	7/29/2017 13:55	30.31	72.1	5.66	8.0	SR13	7/29/2017 19:55	30.51	69.1	5.42	7.0
SR13	7/29/2017 2:00	30.42	68.5	5.42	6.2	SR13	7/29/2017 8:00	30.13	63.3	5.02	6.4	SR13	7/29/2017 14:00	30.33	72.1	5.64	7.1	SR13	7/29/2017 20:00	30.53	67.3	5.28	6.8
SR13	7/29/2017 2:05	30.39	69.4	5.49	7.1	SR13	7/29/2017 8:05	30.14	63.1	5.00	6.7	SR13	7/29/2017 14:05	30.31	72.2	5.65	7.4	SR13	7/29/2017 20:05	30.52	67.8	5.33	7.8
SR13	7/29/2017 2:10	30.43	69.3	5.49	5.8	SR13	7/29/2017 8:10	30.12	62.8	4.98	6.7	SR13	7/29/2017 14:10	30.36	73.1	5.71	7.0	SR13	7/29/2017 20:10	30.51	67.9	5.34	7.6
SR13	7/29/2017 2:15	30.40	70.9	5.61	7.2	SR13	7/29/2017 8:15	30.12	63.0	5.00	6.6	SR13	7/29/2017 14:15	30.34	73.3	5.74	7.4	SR13	7/29/2017 20:15	30.53	67.5	5.31	7.3
SR13	7/29/2017 2:20	30.11	70.7	5.59	6.3	SR13	7/29/2017 8:20	30.14	63.0	4.99	6.6	SR13	7/29/2017 14:20	30.38	73.7	5.76	7.0	SR13	7/29/2017 20:20	30.52	66.8	5.24	7.6
SR13	7/29/2017 2:25	30.12	70.7	5.61	6.8	SR13	7/29/2017 8:25	30.12	63.3	5.02	6.7	SR13	7/29/2017 14:25	30.41	74.9	5.84	7.0	SR13	7/29/2017 20:25	30.53	65.7	5.17	6.6
SR13	7/29/2017 2:30	30.12	70.8	5.60	7.5	SR13	7/29/2017 8:30	30.12	63.4	5.02	6.8	SR13	7/29/2017 14:30	30.40	75.3	5.86	6.7	SR13	7/29/2017 20:30	30.54	66.0	5.20	7.0
SR13	7/29/2017 2:35	30.11	70.7	5.60	6.4	SR13	7/29/2017 8:35	30.11	63.2	5.01	6.6	SR13	7/29/2017 14:35	30.44	77.6	6.02	6.5	SR13	7/29/2017 20:35	30.54	65.0	5.10	7.2
SR13	7/29/2017 2:40	30.10	70.6	5.59	6.9	SR13	7/29/2017 8:40	30.11	62.9	4.98	6.6	SR13	7/29/2017 14:40	30.44	79.3	6.16	7.0	SR13	7/29/2017 20:40	30.51	64.9	5.11	7.7
SR13	7/29/2017 2:45	30.10	70.4	5.58	7.3	SR13	7/29/2017 8:45	30.12	62.4	4.95	7.0	SR13	7/29/2017 14:45	30.43	78.1	6.06	6.6	SR13	7/29/2017 20:45	30.54	64.9	5.11	7.0
SR13	7/29/2017 2:50	30.07	70.5	5.58	6.7	SR13	7/29/2017 8:50	30.11	62.2	4.94	6.7	SR13	7/29/2017 14:50	30.39	77.6	6.06	6.9	SR13	7/29/2017 20:50	30.54	64.1	5.04	6.9
SR13	7/29/2017 2:55	30.10	70.1	5.55	7.3	SR13	7/29/2017 8:55	30.10	62.0	4.92	6.6	SR13	7/29/2017 14:55	30.45	79.1	6.15	7.3	SR13	7/29/2017 20:55	30.55	63.8	5.02	7.1
SR13	7/29/2017 3:00	30.06	69.9	5.54	6.9	SR13	7/29/2017 9:00	30.13	62.4	4.96	7.4	SR13	7/29/2017 15:00	30.37	76.7	6.01	7.1	SR13	7/29/2017 21:00	30.53	63.5	5.00	7.0
SR13	7/29/2017 3:05	30.06	70.1	5.55	7.5	SR13	7/29/2017 9:05	30.12	62.3	4.94	7.2	SR13	7/29/2017 15:05	30.39	78.5	6.13	7.0	SR13	7/29/2017 21:05	30.52	63.9	5.03	7.0
SR13	7/29/2017 3:10	30.06	70.5	5.59	7.6	SR13	7/29/2017 9:10	30.12	61.9	4.92	6.9	SR13	7/29/2017 15:10	30.34	77.2	6.05	6.6	SR13	7/29/2017 21:10	30.54	63.8	5.03	7.3
SR13	7/29/2017 3:15	30.06	70.1	5.56	6.8	SR13	7/29/2017 9:15	30.12	61.8	4.90	8.3	SR13	7/29/2017 15:15	30.42	78.3	6.13	6.9	SR13	7/29/2017 21:15	30.52	63.9	5.03	6.7
SR13	7/29/2017 3:20	30.05	70.0	5.55	7.5	SR13	7/29/2017 9:20	30.13	61.7	4.89	7.0	SR13	7/29/2017 15:20	30.37	77.7	6.08	6.7	SR13	7/29/2017 21:20	30.51	63.4	4.99	7.4
SR13	7/29/2017 3:25	30.08	70.6	5.59	7.1	SR13	7/29/2017 9:25	30.13	61.6	4.89	6.2	SR13	7/29/2017 15:25	30.38	77.4	6.06	6.2	SR13	7/29/2017 21:25	30.53	64.1	5.05	7.3
SR13	7/29/2017 3:30	30.05	69.6	5.52	6.2	SR13	7/29/2017 9:30	30.11	61.8	4.91	7.7	SR13	7/29/2017 15:30	30.36	75.4	5.93	6.6	SR13	7/29/2017 21:30	30.53	63.5	4.99	7.0
SR13	7/29/2017 3:35	30.06	69.6	5.51	7.2	SR13	7/29/2017 9:35	30.12	61.6	4.88	7.3	SR13	7/29/2017 15:35	30.35	74.0	5.82	6.7	SR13	7/29/2017 21:35	30.54	64.0	5.03	7.4
SR13	7/29/2017 3:40	30.07	69.7	5.53	6.9	SR13	7/29/2017 9:40	30.11	61.3	4.86	7.8	SR13	7/29/2017 15:40	30.36	73.3	5.77	7.0	SR13	7/29/2017 21:40	30.53	63.9	5.02	7.2
SR13	7/29/2017 3:45	30.07	69.2	5.48	6.3	SR13	7/29/2017 9:45	30.13	61.9	4.91	7.8	SR13	7/29/2017 15:45	30.37	73.6	5.78	6.2	SR13	7/29/2017 21:45	30.53	63.7	5.01	7.2
SR13	7/29/2017 3:50	30.08	70.5	5.59	6.9	SR13	7/29/2017 9:50	30.15	62.2	4.94	7.9	SR13	7/29/2017 15:50	30.37									

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	7/29/2017 0:17	0.12				SR12	7/29/2017 0:17	0.16			
SR4	7/29/2017 0:37	0.11				SR12	7/29/2017 0:37	0.18			
SR4	7/29/2017 0:57	0.15				SR12	7/29/2017 0:57	0.18			
SR4	7/29/2017 1:17	0.12				SR12	7/29/2017 1:17	0.14			
SR4	7/29/2017 1:37	0.14				SR12	7/29/2017 1:37	0.14			
SR4	7/29/2017 1:57	0.11				SR12	7/29/2017 1:57	0.15			
SR4	7/29/2017 2:17	0.12				SR12	7/29/2017 2:17	0.16			
SR4	7/29/2017 2:37	0.14				SR12	7/29/2017 2:37	0.15			
SR4	7/29/2017 2:57	0.12				SR12	7/29/2017 2:57	0.16			
SR4	7/29/2017 3:17	0.11				SR12	7/29/2017 3:17	0.16			
SR4	7/29/2017 3:37	0.14				SR12	7/29/2017 3:37	0.15			
SR4	7/29/2017 3:57	0.15				SR12	7/29/2017 3:57	0.18			
SR4	7/29/2017 4:17	0.11				SR12	7/29/2017 4:17	0.17			
SR4	7/29/2017 4:37	0.15				SR12	7/29/2017 4:37	0.16			
SR4	7/29/2017 4:57	0.15				SR12	7/29/2017 4:57	0.15			
SR4	7/29/2017 5:17	0.12				SR12	7/29/2017 5:17	0.18			
SR4	7/29/2017 5:37	0.15				SR12	7/29/2017 5:37	0.18			
SR4	7/29/2017 5:57	0.11				SR12	7/29/2017 5:57	0.15			
SR4						SR12					
SR4	7/29/2017 6:37	0.14				SR12	7/29/2017 6:37	0.15			
SR4	7/29/2017 6:57	0.13				SR12	7/29/2017 6:57	0.14			
SR4	7/29/2017 7:17	0.14				SR12	7/29/2017 7:17	0.15			
SR4	7/29/2017 7:37	0.14				SR12	7/29/2017 7:37	0.18			
SR4	7/29/2017 7:57	0.12				SR12	7/29/2017 7:57	0.18			
SR4	7/29/2017 8:17	0.11				SR12	7/29/2017 8:17	0.14			
SR4	7/29/2017 8:37	0.11				SR12	7/29/2017 8:37	0.16			
SR4	7/29/2017 8:57	0.11				SR12	7/29/2017 8:57	0.15			
SR4	7/29/2017 9:17	0.11				SR12	7/29/2017 9:17	0.14			
SR4	7/29/2017 9:37	0.15				SR12	7/29/2017 9:37	0.14			
SR4	7/29/2017 9:57	0.13				SR12	7/29/2017 9:57	0.15			
SR4	7/29/2017 10:17	0.12				SR12	7/29/2017 10:17	0.15			
SR4	7/29/2017 10:37	0.12				SR12	7/29/2017 10:37	0.16			
SR4	7/29/2017 10:57	0.12				SR12	7/29/2017 10:57	0.18			
SR4	7/29/2017 11:17	0.13				SR12	7/29/2017 11:17	0.14			
SR4	7/29/2017 11:37	0.15				SR12	7/29/2017 11:37	0.15			
SR4	7/29/2017 11:57	0.15				SR12	7/29/2017 11:57	0.15			
SR4	7/29/2017 12:17	0.12				SR12	7/29/2017 12:17	0.14			
SR4	7/29/2017 12:37	0.11				SR12	7/29/2017 12:37	0.17			
SR4	7/29/2017 12:57	0.11				SR12	7/29/2017 12:57	0.15			
SR4	7/29/2017 13:17	0.11				SR12	7/29/2017 13:17	0.16			
SR4	7/29/2017 13:37	0.13				SR12	7/29/2017 13:37	0.14			
SR4	7/29/2017 13:57	0.12				SR12	7/29/2017 13:57	0.15			
SR4	7/29/2017 14:17	0.12				SR12	7/29/2017 14:17	0.16			
SR4	7/29/2017 14:37	0.11				SR12	7/29/2017 14:37	0.16			
SR4	7/29/2017 14:57	0.15				SR12	7/29/2017 14:57	0.14			
SR4	7/29/2017 15:17	0.15				SR12	7/29/2017 15:17	0.14			
SR4	7/29/2017 15:37	0.13				SR12	7/29/2017 15:37	0.18			
SR4	7/29/2017 15:57	0.15				SR12	7/29/2017 15:57	0.16			
SR4	7/29/2017 16:17	0.13				SR12	7/29/2017 16:17	0.15			
SR4	7/29/2017 16:37	0.11				SR12	7/29/2017 16:37	0.17			
SR4	7/29/2017 16:57	0.11				SR12	7/29/2017 16:57	0.16			
SR4	7/29/2017 17:17	0.12				SR12	7/29/2017 17:17	0.17			
SR4	7/29/2017 17:37	0.13				SR12	7/29/2017 17:37	0.17			
SR4	7/29/2017 17:57	0.15				SR12	7/29/2017 17:57	0.18			
SR4	7/29/2017 18:17	0.15				SR12	7/29/2017 18:17	0.18			
SR4	7/29/2017 18:37	0.11				SR12	7/29/2017 18:37	0.17			
SR4	7/29/2017 18:57	0.12				SR12	7/29/2017 18:57	0.18			
SR4	7/29/2017 19:17	0.14				SR12	7/29/2017 19:17	0.20			
SR4	7/29/2017 19:37	0.15				SR12	7/29/2017 19:37	0.18			
SR4	7/29/2017 19:57	0.15				SR12	7/29/2017 19:57	0.17			
SR4	7/29/2017 20:17	0.15				SR12	7/29/2017 20:17	0.19			
SR4	7/29/2017 20:37	0.11				SR12	7/29/2017 20:37	0.18			
SR4	7/29/2017 20:57	0.11				SR12	7/29/2017 20:57	0.16			
SR4	7/29/2017 21:17	0.12				SR12	7/29/2017 21:17	0.18			
SR4	7/29/2017 21:37	0.12				SR12	7/29/2017 21:37	0.21			
SR4	7/29/2017 21:57	0.13				SR12	7/29/2017 21:57	0.15			
SR4	7/29/2017 22:17	0.13				SR12	7/29/2017 22:17	0.18			
SR4	7/29/2017 22:37	0.12				SR12	7/29/2017 22:37	0.17			
SR4	7/29/2017 22:57	0.11				SR12	7/29/2017 22:57	0.20			
SR4	7/29/2017 23:17	0.13				SR12	7/29/2017 23:17	0.21			
SR4	7/29/2017 23:37	0.13				SR12	7/29/2017 23:37	0.16			
SR4	7/29/2017 23:57	0.12				SR12	7/29/2017 23:57	0.20			

Remark: Fonts with underline: Action Level Exceedance

**Fonts in Bold with underline: Limit Level Exceedance**

Automatic Instrument calibration of NH<sub>3</sub>-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	7/30/2017 0:01	30.51	68.6	5.17	9.1	SR4	7/30/2017 6:01	30.34	72.5	5.51	8.0	SR4	7/30/2017 12:01	30.17	72.7	5.46	8.8	SR4	7/30/2017 18:01	30.64	77.4	5.78	7.7
SR4	7/30/2017 0:06	30.51	69.3	5.23	9.1	SR4	7/30/2017 6:06	30.34	72.8	5.53	7.9	SR4	7/30/2017 12:06	30.19	73.9	5.55	9.1	SR4	7/30/2017 18:06	30.65	78.0	5.82	8.9
SR4	7/30/2017 0:11	30.48	68.6	5.18	10.3	SR4	7/30/2017 6:11	30.32	71.2	5.41	8.4	SR4	7/30/2017 12:11	30.22	74.4	5.58	8.7	SR4	7/30/2017 18:11	30.68	78.7	5.86	7.1
SR4	7/30/2017 0:16	30.51	68.8	5.19	7.9	SR4	7/30/2017 6:16	30.33	70.6	5.36	9.5	SR4	7/30/2017 12:16	30.22	74.0	5.54	8.0	SR4	7/30/2017 18:16	30.64	79.9	5.95	7.2
SR4	7/30/2017 0:21	30.51	67.4	5.09	9.1	SR4	7/30/2017 6:21	30.32	70.4	5.34	8.5	SR4	7/30/2017 12:21	30.33	75.0	5.61	8.1	SR4	7/30/2017 18:21	30.68	82.6	6.15	8.2
SR4	7/30/2017 0:26	30.52	67.5	5.10	9.5	SR4	7/30/2017 6:26	30.33	70.7	5.37	9.0	SR4	7/30/2017 12:26	30.36	75.9	5.68	8.3	SR4	7/30/2017 18:26	30.66	81.4	6.06	6.6
SR4	7/30/2017 0:31	30.53	68.1	5.14	8.1	SR4	7/30/2017 6:31	30.33	71.8	5.45	9.4	SR4	7/30/2017 12:31	30.33	76.1	5.69	8.7	SR4	7/30/2017 18:31	30.65	80.8	6.02	7.9
SR4	7/30/2017 0:36	30.54	68.2	5.15	8.2	SR4	7/30/2017 6:36	30.31	71.7	5.44	8.7	SR4	7/30/2017 12:36	30.30	75.9	5.68	9.2	SR4	7/30/2017 18:36	30.67	81.1	6.04	7.3
SR4	7/30/2017 0:41	30.55	68.1	5.14	7.9	SR4	7/30/2017 6:41	30.36	72.8	5.52	9.5	SR4	7/30/2017 12:41	30.32	77.3	5.79	8.3	SR4	7/30/2017 18:41	30.67	82.3	6.12	7.9
SR4	7/30/2017 0:46	30.52	68.4	5.17	8.4	SR4	7/30/2017 6:46	30.34	72.6	5.51	8.0	SR4	7/30/2017 12:46	30.28	76.3	5.71	8.9	SR4	7/30/2017 18:46	30.72	81.1	6.04	6.6
SR4	7/30/2017 0:51	30.53	68.6	5.18	8.0	SR4	7/30/2017 6:51	30.36	68.9	5.23	9.0	SR4	7/30/2017 12:51	30.33	76.9	5.76	8.3	SR4	7/30/2017 18:51	30.70	81.0	6.03	8.7
SR4	7/30/2017 0:56	30.55	68.3	5.16	8.4	SR4	7/30/2017 6:56	30.34	68.2	5.18	8.1	SR4	7/30/2017 12:56	30.32	77.3	5.78	8.9	SR4	7/30/2017 18:56	30.67	80.4	5.99	6.7
SR4	7/30/2017 1:01	30.54	67.6	5.10	8.6	SR4	7/30/2017 7:01	30.36	66.1	5.01	7.9	SR4	7/30/2017 13:01	30.36	77.2	5.76	9.2	SR4	7/30/2017 19:01	30.69	79.7	5.94	8.8
SR4	7/30/2017 1:06	30.53	67.0	5.06	9.1	SR4	7/30/2017 7:06	30.32	65.8	4.99	8.4	SR4	7/30/2017 13:06	30.32	76.5	5.72	8.5	SR4	7/30/2017 19:06	30.70	80.9	6.03	7.4
SR4	7/30/2017 1:11	30.56	67.9	5.13	8.9	SR4	7/30/2017 7:11	30.33	66.7	5.06	7.9	SR4	7/30/2017 13:11	30.31	76.1	5.69	8.7	SR4	7/30/2017 19:11	30.69	82.0	6.11	8.7
SR4	7/30/2017 1:16	30.55	66.6	5.03	8.4	SR4	7/30/2017 7:16	30.34	67.9	5.16	7.8	SR4	7/30/2017 13:16	30.32	77.0	5.76	8.0	SR4	7/30/2017 19:16	30.70	80.2	5.98	8.9
SR4	7/30/2017 1:21	30.58	67.4	5.09	7.8	SR4	7/30/2017 7:21	30.38	67.7	5.14	8.3	SR4	7/30/2017 13:21	30.35	77.8	5.82	8.2	SR4	7/30/2017 19:21	30.71	81.2	6.05	8.8
SR4	7/30/2017 1:26	30.55	67.6	5.10	9.5	SR4	7/30/2017 7:26	30.34	68.2	5.17	8.4	SR4	7/30/2017 13:26	30.28	77.4	5.79	9.1	SR4	7/30/2017 19:26	30.73	81.3	6.06	6.7
SR4	7/30/2017 1:31	30.55	68.1	5.14	8.3	SR4	7/30/2017 7:31	30.36	70.0	5.31	8.5	SR4	7/30/2017 13:31	30.35	75.5	5.65	9.3	SR4	7/30/2017 19:31	30.72	80.9	6.04	7.8
SR4	7/30/2017 1:36	30.56	68.2	5.15	8.4	SR4	7/30/2017 7:36	30.34	69.8	5.28	9.3	SR4	7/30/2017 13:36	30.31	75.8	5.66	7.9	SR4	7/30/2017 19:36	30.71	79.3	5.91	6.9
SR4	7/30/2017 1:41	30.56	67.6	5.10	8.6	SR4	7/30/2017 7:41	30.38	70.9	5.37	8.6	SR4	7/30/2017 13:41	30.31	75.5	5.64	8.6	SR4	7/30/2017 19:41	30.76	79.6	5.94	8.4
SR4	7/30/2017 1:46	30.56	67.9	5.12	9.2	SR4	7/30/2017 7:46	30.37	71.0	5.38	9.4	SR4	7/30/2017 13:46	30.34	74.7	5.58	8.2	SR4	7/30/2017 19:46	30.75	79.2	5.92	8.5
SR4	7/30/2017 1:51	30.57	68.9	5.21	8.7	SR4	7/30/2017 7:51	30.38	71.1	5.38	7.9	SR4	7/30/2017 13:51	30.37	74.3	5.56	8.3	SR4	7/30/2017 19:51	30.73	81.0	6.05	7.7
SR4	7/30/2017 1:56	30.56	68.4	5.16	8.2	SR4	7/30/2017 7:56	30.34	70.3	5.32	8.6	SR4	7/30/2017 13:56	30.35	71.4	5.36	8.2	SR4	7/30/2017 19:56	30.78	78.7	5.89	7.8
SR4	7/30/2017 2:01	30.56	68.6	5.18	8.6	SR4	7/30/2017 8:01	30.38	70.8	5.36	8.6	SR4	7/30/2017 14:01	30.31	71.1	5.35	9.3	SR4	7/30/2017 20:01	30.75	78.9	5.90	7.2
SR4	7/30/2017 2:06	30.58	67.7	5.11	8.3	SR4	7/30/2017 8:06	30.39	70.6	5.34	8.0	SR4	7/30/2017 14:06	30.32	72.0	5.41	8.1	SR4	7/30/2017 20:06	30.75	79.5	5.95	8.5
SR4	7/30/2017 2:11	30.54	69.6	5.26	9.5	SR4	7/30/2017 8:11	30.40	70.3	5.32	9.5	SR4	7/30/2017 14:11	30.36	72.4	5.44	9.5	SR4	7/30/2017 20:11	30.74	79.4	5.94	6.7
SR4	7/30/2017 2:16	30.58	68.4	5.17	9.0	SR4	7/30/2017 8:16	30.40	70.2	5.32	8.1	SR4	7/30/2017 14:16	30.39	73.1	5.47	8.0	SR4	7/30/2017 20:16	30.74	79.9	5.99	8.8
SR4	7/30/2017 2:21	30.59	69.2	5.24	9.1	SR4	7/30/2017 8:21	30.41	70.2	5.32	8.2	SR4	7/30/2017 14:21	30.39	74.0	5.53	7.8	SR4	7/30/2017 20:21	30.76	80.5	6.04	6.6
SR4	7/30/2017 2:26	30.55	69.4	5.25	8.0	SR4	7/30/2017 8:26	30.36	69.1	5.24	8.3	SR4	7/30/2017 14:26	30.40	74.4	5.56	9.0	SR4	7/30/2017 20:26	30.79	79.8	5.99	8.4
SR4	7/30/2017 2:31	30.55	68.1	5.15	8.0	SR4	7/30/2017 8:31	30.40	68.7	5.21	9.1	SR4	7/30/2017 14:31	30.37	75.5	5.63	11.4	SR4	7/30/2017 20:31	30.80	79.4	5.96	8.2
SR4	7/30/2017 2:36	30.54	67.8	5.13	8.5	SR4	7/30/2017 8:36	30.41	71.2	5.39	8.5	SR4	7/30/2017 14:36	30.41	74.0	5.52	8.6	SR4	7/30/2017 20:36	30.78	75.0	5.64	6.7
SR4	7/30/2017 2:41	30.57	68.1	5.16	7.9	SR4	7/30/2017 8:41	30.39	69.5	5.27	9.1	SR4	7/30/2017 14:41	30.39	75.5	5.63	8.0	SR4	7/30/2017 20:41	30.76	79.8	5.99	7.4
SR4	7/30/2017 2:46	30.58	68.6	5.20	8.6	SR4	7/30/2017 8:46	30.39	66.8	5.07	7.8	SR4	7/30/2017 14:46	30.41	75.3	5.61	9.3	SR4	7/30/2017 20:46	30.76	76.3	5.74	8.9
SR4	7/30/2017 2:51	30.55	69.6	5.27	9.0	SR4	7/30/2017 8:51	30.39	70.6	5.35	8.8	SR4	7/30/2017 14:51	30.41	75.0	5.60	8.2	SR4	7/30/2017 20:51	30.81	79.4	5.97	7.5
SR4	7/30/2017 2:56	30.56	69.4	5.25	8.8	SR4	7/30/2017 8:56	30.38	71.1	5.38	8.6	SR4	7/30/2017 14:56	30.42	75.9	5.66	7.8	SR4	7/30/2017 20:56	30.78	77.1	5.79	6.9
SR4	7/30/2017 3:01	30.56	70.0	5.30	8.2	SR4	7/30/2017 9:01	30.41	74.2	5.61	9.4	SR4	7/30/2017 15:01	30.45	75.8	5.66	9.3	SR4	7/30/2017 21:01	30.82	77.0	5.79	8.9
SR4	7/30/2017 3:06	30.57	70.7	5.35	9.1	SR4	7/30/2017 9:06	30.37	73.8	5.57	8.2	SR4	7/30/2017 15:06	30.46	76.4	5.69	8.8	SR4	7/30/2017 21:06	30.83	77.5	5.82	8.9
SR4	7/30/2017 3:11	30.57	70.3	5.32	8.5	SR4	7/30/2017 9:11	30.41	71.2	5.37	7.8	SR4	7/30/2017 15:11	30.44	77.6	5.77	9.0	SR4	7/30/2017 21:11	30.80	79.8	5.98	7.2
SR4	7/30/2017 3:16	30.55	69.2	5.24	9.3	SR4	7/30/2017 9:16	30.41	73.3	5.53	8.4	SR4	7/30/2017 15:16	30.47	78.1	5.80	8.9	SR4	7/30/2017 21:16	30.82	75.6	5.69	7.3
SR4	7/30/2017 3:21	30.59	71.0	5.38	8.8	SR4	7/30/2017 9:21	30.39	74.6	5.62	8.3	SR4	7/30/2017 15:21	30.43	78.1	5.79	9.5	SR4	7/30/2017 21:21	30.82	77.4	5.82	8.9
SR4	7/30/2017 3:26	30.59	70.3	5.32	8.4	SR4	7/30/2017 9:26	30.39	75.9	5.71	8.3	SR4	7/30/2017 15:26	30.47	78.1	5.79	8.1	SR4	7/30/2017 21:26	30.80	74.9	5.63	7.4
SR4	7/30/2017 3:31	30.56	68.7	5.20	9.5	SR4	7/30/2017 9:31	30.37	74.2	5.59	8.4	SR4	7/30/2017 15:31	30.48	78.8	5.85	8.7	SR4	7/30/2017 21:31	30.85	74.1	5.57	8.7
SR4	7/30/2017 3:36	30.58	68.6	5.19	8.6	SR4	7/30/2017 9:36	30.41	73.2	5.52	8.5	SR4	7/30/2017 15:36	30.46	78.3	5.81	8.9	SR4	7/30/2017 21:36	30.86	76.2	5.72	8.9
SR4	7/30/2017 3:41	30.55	69.8	5.29	9.3	SR4	7/30/2017 9:41	30.39	71.9	5.42	9.3	SR4	7/30/2017 15:41	30.48	78.8	5.85	8.8	SR4	7/30/2017 21:41	30.82	71.4	5.38	7.3
SR4	7/30/2017 3:46	30.57	69.1	5.24	8.7	SR4	7/30/2017 9:46	30.41	72.6	5.48	8.8	SR4	7/30/2017 15:46	30.45	79.0	5.87	9.3	SR4	7/30/2017 21:46	30.86	72.2	5.43	8.5
SR4	7/30/2017 3:51	30.59	68.8	5.22	8.5	SR4	7/30/2017 9:51	30.42	71.9	5.42	9.4	SR4	7/30/2017 15:51	30.46	79.6	5.91	8.0	SR4	7/30/2017 21:51	30.84	71.5	5.39	8.4
SR4	7/30/2017 3:56	30.57	69.6	5.29	8.0	SR4	7/30/2017 9:56	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)
SR5	7/30/2017 0:00	30.53	69.7	5.32	7.6	SR5	7/30/2017 6:00	30.26	70.0	5.34	5.9	SR5	7/30/2017 12:00	30.27	69.8	5.33	5.9	SR5	7/30/2017 18:00	30.81	68.4	5.22	5.6
SR5	7/30/2017 0:05	30.51	69.6	5.31	6.7	SR5	7/30/2017 6:05	30.25	69.2	5.28	5.7	SR5	7/30/2017 12:05	30.29	70.2	5.36	6.2	SR5	7/30/2017 18:05	30.83	68.5	5.23	6.2
SR5	7/30/2017 0:10	30.51	68.4	5.22	7.6	SR5	7/30/2017 6:10	30.25	70.1	5.35	5.9	SR5	7/30/2017 12:10	30.32	68.6	5.24	5.9	SR5	7/30/2017 18:10	30.86	70.2	5.36	5.1
SR5	7/30/2017 0:15	30.53	70.6	5.39	6.7	SR5	7/30/2017 6:15	30.23	68.6	5.24	6.5	SR5	7/30/2017 12:15	30.30	68.8	5.25	5.5	SR5	7/30/2017 18:15	30.85	70.2	5.36	5.1
SR5	7/30/2017 0:20	30.50	70.6	5.39	7.8	SR5	7/30/2017 6:20	30.25	68.9	5.26	5.9	SR5	7/30/2017 12:20	30.31	70.6	5.39	5.5	SR5	7/30/2017 18:20	30.86	70.1	5.35	5.7
SR5	7/30/2017 0:25	30.48	70.5	5.38	7.5	SR5	7/30/2017 6:25	30.23	70.5	5.38	6.3	SR5	7/30/2017 12:25	30.31	70.6	5.39	5.6	SR5	7/30/2017 18:25	30.88	69.6	5.31	4.9
SR5	7/30/2017 0:30	30.47	69.0	5.27	7.4	SR5	7/30/2017 6:30	30.22	70.0	5.34	6.5	SR5	7/30/2017 12:30	30.33	70.5	5.38	6.0	SR5	7/30/2017 18:30	30.87	69.8	5.33	5.5
SR5	7/30/2017 0:35	30.50	70.0	5.34	6.8	SR5	7/30/2017 6:35	30.25	68.4	5.22	6.2	SR5	7/30/2017 12:35	30.30	69.3	5.29	6.1	SR5	7/30/2017 18:35	30.89	70.6	5.39	5.2
SR5	7/30/2017 0:40	30.51	70.5	5.38	6.5	SR5	7/30/2017 6:40	30.23	69.2	5.28	6.5	SR5	7/30/2017 12:40	30.34	68.9	5.26	5.6	SR5	7/30/2017 18:40	30.84	68.9	5.26	5.6
SR5	7/30/2017 0:45	30.48	69.6	5.31	6.7	SR5	7/30/2017 6:45	30.24	69.2	5.28	5.8	SR5	7/30/2017 12:45	30.34	68.6	5.24	5.9	SR5	7/30/2017 18:45	30.83	70.5	5.38	4.9
SR5	7/30/2017 0:50	30.47	70.0	5.34	6.9	SR5	7/30/2017 6:50	30.25	69.3	5.29	6.3	SR5	7/30/2017 12:50	30.32	69.4	5.30	5.5	SR5	7/30/2017 18:50	30.83	70.2	5.36	6.0
SR5	7/30/2017 0:55	30.48	69.8	5.33	6.9	SR5	7/30/2017 6:55	30.22	69.3	5.29	5.8	SR5	7/30/2017 12:55	30.35	70.6	5.39	5.9	SR5	7/30/2017 18:55	30.85	70.5	5.38	5.0
SR5	7/30/2017 1:00	30.46	70.6	5.39	6.7	SR5	7/30/2017 7:00	30.24	70.2	5.36	5.6	SR5	7/30/2017 13:00	30.33	70.5	5.38	1.6	SR5	7/30/2017 19:00	30.86	69.7	5.32	6.3
SR5	7/30/2017 1:05	30.48	70.5	5.38	7.1	SR5	7/30/2017 7:05	30.23	70.6	5.39	6.3	SR5	7/30/2017 13:05	30.33	69.3	5.29	5.8	SR5	7/30/2017 19:05	30.85	70.2	5.36	5.5
SR5	7/30/2017 1:10	30.49	68.4	5.22	6.4	SR5	7/30/2017 7:10	30.23	70.1	5.35	5.7	SR5	7/30/2017 13:10	30.35	69.0	5.27	6.6	SR5	7/30/2017 19:10	30.87	68.8	5.25	6.2
SR5	7/30/2017 1:15	30.47	69.3	5.29	6.1	SR5	7/30/2017 7:15	30.25	69.2	5.28	5.7	SR5	7/30/2017 13:15	30.36	68.5	5.23	5.4	SR5	7/30/2017 19:15	30.85	70.3	5.37	6.3
SR5	7/30/2017 1:20	30.49	69.8	5.33	5.7	SR5	7/30/2017 7:20	30.22	68.5	5.23	5.8	SR5	7/30/2017 13:20	30.40	68.5	5.23	5.4	SR5	7/30/2017 19:20	30.88	69.8	5.33	6.2
SR5	7/30/2017 1:25	30.47	68.4	5.22	6.6	SR5	7/30/2017 7:25	30.24	69.4	5.30	6.0	SR5	7/30/2017 13:25	30.39	69.3	5.29	5.9	SR5	7/30/2017 19:25	30.89	68.6	5.24	5.1
SR5	7/30/2017 1:30	30.43	69.3	5.29	5.9	SR5	7/30/2017 7:30	30.21	70.3	5.37	6.2	SR5	7/30/2017 13:30	30.40	69.3	5.29	6.0	SR5	7/30/2017 19:30	30.86	70.6	5.39	5.7
SR5	7/30/2017 1:35	30.43	70.5	5.38	5.9	SR5	7/30/2017 7:35	30.22	68.6	5.24	6.2	SR5	7/30/2017 13:35	30.42	70.0	5.34	5.4	SR5	7/30/2017 19:35	30.85	69.7	5.32	5.2
SR5	7/30/2017 1:40	30.43	70.5	5.38	6.1	SR5	7/30/2017 7:40	30.24	70.3	5.37	5.9	SR5	7/30/2017 13:40	30.40	69.4	5.30	5.6	SR5	7/30/2017 19:40	30.85	69.0	5.27	6.0
SR5	7/30/2017 1:45	30.47	70.5	5.38	6.4	SR5	7/30/2017 7:45	30.19	69.7	5.32	6.3	SR5	7/30/2017 13:45	30.42	68.4	5.22	5.4	SR5	7/30/2017 19:45	30.86	64.8	4.99	6.0
SR5	7/30/2017 1:50	30.47	69.3	5.29	6.1	SR5	7/30/2017 7:50	30.24	69.3	5.29	5.7	SR5	7/30/2017 13:50	30.44	70.0	5.34	5.5	SR5	7/30/2017 19:50	30.89	64.6	4.97	5.5
SR5	7/30/2017 1:55	30.43	70.3	5.37	5.8	SR5	7/30/2017 7:55	30.20	69.6	5.31	6.1	SR5	7/30/2017 13:55	30.46	68.9	5.26	5.6	SR5	7/30/2017 19:55	30.87	68.3	5.21	5.6
SR5	7/30/2017 2:00	30.46	68.8	5.25	6.2	SR5	7/30/2017 8:00	30.20	70.1	5.35	5.9	SR5	7/30/2017 14:00	30.42	70.5	5.38	6.0	SR5	7/30/2017 20:00	30.87	69.7	5.32	5.5
SR5	7/30/2017 2:05	30.43	70.0	5.34	6.0	SR5	7/30/2017 8:05	30.19	68.8	5.25	5.6	SR5	7/30/2017 14:05	30.43	70.0	5.34	5.5	SR5	7/30/2017 20:05	30.84	69.0	5.27	6.0
SR5	7/30/2017 2:10	30.45	69.8	5.33	6.7	SR5	7/30/2017 8:10	30.21	68.4	5.22	6.5	SR5	7/30/2017 14:10	30.44	69.7	5.32	6.1	SR5	7/30/2017 20:10	30.85	67.9	5.18	5.1
SR5	7/30/2017 2:15	30.45	69.0	5.27	6.3	SR5	7/30/2017 8:15	30.17	70.0	5.34	5.6	SR5	7/30/2017 14:15	30.47	68.6	5.24	5.6	SR5	7/30/2017 20:15	30.84	68.8	5.25	6.2
SR5	7/30/2017 2:20	30.42	70.2	5.36	6.3	SR5	7/30/2017 8:20	30.17	68.9	5.26	5.7	SR5	7/30/2017 14:20	30.44	68.5	5.23	6.6	SR5	7/30/2017 20:20	30.88	68.9	5.26	5.0
SR5	7/30/2017 2:25	30.41	70.3	5.37	5.8	SR5	7/30/2017 8:25	30.21	70.5	5.38	5.7	SR5	7/30/2017 14:25	30.44	70.6	5.39	6.1	SR5	7/30/2017 20:25	30.84	68.9	5.26	5.9
SR5	7/30/2017 2:30	30.45	70.1	5.35	5.8	SR5	7/30/2017 8:30	30.21	70.5	5.38	6.2	SR5	7/30/2017 14:30	30.49	69.8	5.33	7.1	SR5	7/30/2017 20:30	30.84	68.8	5.25	6.0
SR5	7/30/2017 2:35	30.44	70.0	5.34	6.2	SR5	7/30/2017 8:35	30.20	68.8	5.25	5.8	SR5	7/30/2017 14:35	30.48	70.5	5.38	5.7	SR5	7/30/2017 20:35	30.88	66.4	5.08	5.1
SR5	7/30/2017 2:40	30.39	69.7	5.32	5.9	SR5	7/30/2017 8:40	30.21	69.3	5.29	6.1	SR5	7/30/2017 14:40	30.47	68.5	5.23	5.4	SR5	7/30/2017 20:40	30.88	68.6	5.24	5.6
SR5	7/30/2017 2:45	30.41	69.2	5.28	6.1	SR5	7/30/2017 8:45	30.21	70.2	5.36	5.7	SR5	7/30/2017 14:45	30.50	68.8	5.25	6.0	SR5	7/30/2017 20:45	30.84	67.6	5.17	6.3
SR5	7/30/2017 2:50	30.43	70.0	5.34	6.3	SR5	7/30/2017 8:50	30.19	70.2	5.36	6.2	SR5	7/30/2017 14:50	30.48	68.6	5.24	5.5	SR5	7/30/2017 20:50	30.87	68.4	5.23	5.4
SR5	7/30/2017 2:55	30.42	69.6	5.31	6.3	SR5	7/30/2017 8:55	30.16	70.0	5.34	6.0	SR5	7/30/2017 14:55	30.52	68.8	5.25	5.3	SR5	7/30/2017 20:55	30.84	68.2	5.22	5.4
SR5	7/30/2017 3:00	30.37	68.8	5.25	5.9	SR5	7/30/2017 9:00	30.19	70.2	5.36	6.2	SR5	7/30/2017 15:00	30.54	69.2	5.28	6.0	SR5	7/30/2017 21:00	30.83	68.7	5.26	6.4
SR5	7/30/2017 3:05	30.37	68.5	5.23	6.4	SR5	7/30/2017 9:05	30.21	70.6	5.39	5.8	SR5	7/30/2017 15:05	30.57	68.5	5.23	5.8	SR5	7/30/2017 21:05	30.88	67.9	5.19	6.1
SR5	7/30/2017 3:10	30.37	70.6	5.39	6.0	SR5	7/30/2017 9:10	30.20	69.4	5.30	5.6	SR5	7/30/2017 15:10	30.53	69.4	5.30	5.9	SR5	7/30/2017 21:10	30.88	68.3	5.22	5.5
SR5	7/30/2017 3:15	30.38	68.6	5.24	6.4	SR5	7/30/2017 9:15	30.17	69.4	5.30	6.1	SR5	7/30/2017 15:15	30.55	68.5	5.23	5.8	SR5	7/30/2017 21:15	30.86	70.6	5.39	5.4
SR5	7/30/2017 3:20	30.39	69.6	5.31	6.2	SR5	7/30/2017 9:20	30.19	68.4	5.22	5.9	SR5	7/30/2017 15:20	30.58	69.0	5.27	6.2	SR5	7/30/2017 21:20	30.88	69.3	5.29	6.2
SR5	7/30/2017 3:25	30.36	69.7	5.32	6.0	SR5	7/30/2017 9:25	30.22	68.5	5.23	6.3	SR5	7/30/2017 15:25	30.60	69.0	5.27	5.4	SR5	7/30/2017 21:25	30.84	70.3	5.37	5.5
SR5	7/30/2017 3:30	30.35	68.6	5.24	6.5	SR5	7/30/2017 9:30	30.18	68.6	5.24	6.3	SR5	7/30/2017 15:30	30.59	70.5	5.38	5.8	SR5	7/30/2017 21:30	30.86	68.6	5.24	6.1
SR5	7/30/2017 3:35	30.38	69.6	5.31	6.0	SR5	7/30/2017 9:35	30.23	68.6	5.24	5.9	SR5	7/30/2017 15:35	30.61	69.7	5.32	6.1	SR5	7/30/2017 21:35	30.88	70.0	5.34	6.2
SR5	7/30/2017 3:40	30.37	70.1	5.35	6.3	SR5	7/30/2017 9:40	30.19	68.8	5.25	6.3	SR5	7/30/2017 15:40	30.60	70.2	5.36	5.9	SR5	7/30/2017 21:40	30.85	68.6	5.24	5.4
SR5	7/30/2017 3:45	30.34	70.6	5.39	6.0	SR5	7/30/2017 9:45	30.19	68.5	5.23	6.0	SR5	7/30/2017 15:45	30.62	68.9	5.26	6.1	SR5	7/30/2017 21:45	30.88	68.6	5.24	6.1
SR5	7/30/2017 3:50	30.37	69.3	5.29	6.1	SR5	7/30/2017 9:50	30.23	68.6	5.24	6.3	SR5	7/30/2017 15:50	30.64	68.9	5.26	6.2	SR5	7/30/2017 21:50	30.87	70.3	5.37	6.2
SR5	7/30/2017 3:55	30.33	69.4	5.30	5.9	SR5	7/30/2017 9:55	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)
SR12	7/30/2017 0:01	30.21	67.1	5.17	6.3	SR12	7/30/2017 6:01	29.94	69.9	5.42	6.4	SR12	7/30/2017 12:01	30.07	69.6	5.35	6.0	SR12	7/30/2017 18:01	30.54	72.4	5.53	6.5
SR12	7/30/2017 0:06	30.19	67.6	5.22	6.7	SR12	7/30/2017 6:06	29.90	70.1	5.43	6.5	SR12	7/30/2017 12:06	30.09	70.5	5.42	6.1	SR12	7/30/2017 18:06	30.72	73.7	5.64	7.3
SR12	7/30/2017 0:11	30.19	67.0	5.18	7.0	SR12	7/30/2017 6:11	29.89	68.9	5.35	6.7	SR12	7/30/2017 12:11	30.13	70.6	5.43	5.9	SR12	7/30/2017 18:11	30.79	74.2	5.66	6.4
SR12	7/30/2017 0:16	30.17	67.1	5.19	5.8	SR12	7/30/2017 6:16	29.89	68.5	5.30	7.5	SR12	7/30/2017 12:16	30.14	70.6	5.41	5.5	SR12	7/30/2017 18:16	30.54	73.9	5.65	6.5
SR12	7/30/2017 0:21	30.17	66.3	5.11	7.6	SR12	7/30/2017 6:21	29.87	68.3	5.28	7.1	SR12	7/30/2017 12:21	30.14	70.9	5.43	5.5	SR12	7/30/2017 18:21	30.74	76.3	5.83	6.8
SR12	7/30/2017 0:26	30.16	66.3	5.11	6.8	SR12	7/30/2017 6:26	29.84	68.5	5.32	7.3	SR12	7/30/2017 12:26	30.23	71.5	5.48	5.6	SR12	7/30/2017 18:26	30.68	75.3	5.75	6.0
SR12	7/30/2017 0:31	30.15	66.6	5.14	5.9	SR12	7/30/2017 6:31	29.85	69.2	5.36	7.3	SR12	7/30/2017 12:31	30.04	71.4	5.48	5.9	SR12	7/30/2017 18:31	30.75	75.3	5.75	6.6
SR12	7/30/2017 0:36	30.17	66.9	5.16	5.9	SR12	7/30/2017 6:36	29.87	69.1	5.36	6.8	SR12	7/30/2017 12:36	30.14	71.9	5.51	6.2	SR12	7/30/2017 18:36	30.65	75.0	5.73	6.6
SR12	7/30/2017 0:41	30.15	66.8	5.16	5.9	SR12	7/30/2017 6:41	29.85	69.7	5.40	8.6	SR12	7/30/2017 12:41	29.97	72.1	5.52	5.7	SR12	7/30/2017 18:41	30.70	76.0	5.80	6.9
SR12	7/30/2017 0:46	30.16	66.9	5.17	6.1	SR12	7/30/2017 6:46	29.84	69.3	5.36	6.5	SR12	7/30/2017 12:46	29.99	71.6	5.48	6.0	SR12	7/30/2017 18:46	30.72	75.4	5.77	6.3
SR12	7/30/2017 0:51	30.15	67.1	5.18	5.8	SR12	7/30/2017 6:51	29.81	67.0	5.19	6.9	SR12	7/30/2017 12:51	30.12	72.5	5.55	5.7	SR12	7/30/2017 18:51	30.77	75.4	5.76	7.9
SR12	7/30/2017 0:56	30.15	66.9	5.17	6.1	SR12	7/30/2017 6:56	29.81	66.5	5.16	6.6	SR12	7/30/2017 12:56	30.06	72.5	5.56	6.0	SR12	7/30/2017 18:56	30.57	74.5	5.69	6.3
SR12	7/30/2017 1:01	30.12	66.6	5.14	6.3	SR12	7/30/2017 7:01	29.84	65.3	5.06	6.7	SR12	7/30/2017 13:01	30.07	72.2	5.53	6.4	SR12	7/30/2017 19:01	30.50	73.8	5.65	7.1
SR12	7/30/2017 1:06	30.11	66.2	5.12	6.4	SR12	7/30/2017 7:06	29.86	65.0	5.03	6.9	SR12	7/30/2017 13:06	30.04	71.6	5.48	5.9	SR12	7/30/2017 19:06	30.73	75.4	5.77	6.6
SR12	7/30/2017 1:11	30.10	66.8	5.17	6.3	SR12	7/30/2017 7:11	29.82	65.5	5.09	6.3	SR12	7/30/2017 13:11	30.05	71.3	5.47	6.0	SR12	7/30/2017 19:11	30.54	75.3	5.75	7.0
SR12	7/30/2017 1:16	30.10	66.0	5.10	6.0	SR12	7/30/2017 7:16	29.84	66.2	5.14	7.1	SR12	7/30/2017 13:16	30.09	72.0	5.51	5.7	SR12	7/30/2017 19:16	30.70	75.0	5.74	7.1
SR12	7/30/2017 1:21	30.09	66.4	5.13	5.6	SR12	7/30/2017 7:21	29.82	66.0	5.12	7.6	SR12	7/30/2017 13:21	30.13	72.4	5.55	5.8	SR12	7/30/2017 19:21	30.73	75.6	5.78	7.0
SR12	7/30/2017 1:26	30.08	66.6	5.15	6.6	SR12	7/30/2017 7:26	29.80	66.5	5.16	6.6	SR12	7/30/2017 13:26	30.17	72.2	5.53	6.4	SR12	7/30/2017 19:26	30.67	75.4	5.76	6.0
SR12	7/30/2017 1:31	30.04	66.8	5.17	6.1	SR12	7/30/2017 7:31	29.83	67.8	5.26	6.9	SR12	7/30/2017 13:31	30.31	71.2	5.45	6.7	SR12	7/30/2017 19:31	30.74	75.5	5.77	6.3
SR12	7/30/2017 1:36	30.02	66.8	5.16	6.0	SR12	7/30/2017 7:36	29.81	67.4	5.21	7.2	SR12	7/30/2017 13:36	30.20	71.2	5.45	6.5	SR12	7/30/2017 19:36	30.66	74.1	5.67	6.1
SR12	7/30/2017 1:41	30.00	66.4	5.12	6.1	SR12	7/30/2017 7:41	29.81	68.1	5.27	6.8	SR12	7/30/2017 13:41	30.22	71.1	5.44	6.1	SR12	7/30/2017 19:41	30.70	74.5	5.70	6.5
SR12	7/30/2017 1:46	30.01	66.5	5.14	6.5	SR12	7/30/2017 7:46	29.81	68.3	5.28	7.1	SR12	7/30/2017 13:46	30.26	70.7	5.40	6.3	SR12	7/30/2017 19:46	30.68	74.0	5.66	6.6
SR12	7/30/2017 1:51	30.00	67.0	5.19	6.2	SR12	7/30/2017 7:51	29.81	68.3	5.29	6.6	SR12	7/30/2017 13:51	30.30	70.5	5.40	6.1	SR12	7/30/2017 19:51	30.59	74.8	5.72	6.1
SR12	7/30/2017 1:56	29.98	66.7	5.16	6.0	SR12	7/30/2017 7:56	29.80	67.8	5.25	6.7	SR12	7/30/2017 13:56	30.25	68.7	5.27	6.2	SR12	7/30/2017 19:56	30.65	73.8	5.66	6.2
SR12	7/30/2017 2:01	30.00	66.8	5.17	6.2	SR12	7/30/2017 8:01	29.80	68.1	5.27	7.0	SR12	7/30/2017 14:01	30.21	68.5	5.27	6.9	SR12	7/30/2017 20:01	30.63	74.0	5.67	5.6
SR12	7/30/2017 2:06	29.99	66.2	5.12	6.0	SR12	7/30/2017 8:06	29.82	68.2	5.27	6.2	SR12	7/30/2017 14:06	30.15	69.0	5.30	6.6	SR12	7/30/2017 20:06	30.62	74.1	5.68	6.4
SR12	7/30/2017 2:11	30.03	67.6	5.23	6.6	SR12	7/30/2017 8:11	29.82	67.8	5.25	6.7	SR12	7/30/2017 14:11	30.12	69.2	5.31	8.3	SR12	7/30/2017 20:11	30.49	74.0	5.67	5.5
SR12	7/30/2017 2:16	30.04	66.8	5.17	6.4	SR12	7/30/2017 8:16	29.79	67.8	5.25	6.4	SR12	7/30/2017 14:16	30.25	69.7	5.34	7.6	SR12	7/30/2017 20:16	30.50	74.6	5.72	6.4
SR12	7/30/2017 2:21	30.00	67.3	5.21	6.5	SR12	7/30/2017 8:21	29.82	67.8	5.25	6.9	SR12	7/30/2017 14:21	30.16	70.2	5.37	7.2	SR12	7/30/2017 20:21	30.56	75.0	5.75	5.6
SR12	7/30/2017 2:26	30.01	67.4	5.21	5.8	SR12	7/30/2017 8:26	29.82	67.1	5.20	6.7	SR12	7/30/2017 14:26	30.25	70.7	5.40	7.5	SR12	7/30/2017 20:26	30.57	74.7	5.74	6.5
SR12	7/30/2017 2:31	30.03	66.7	5.15	5.8	SR12	7/30/2017 8:31	29.83	66.8	5.17	6.9	SR12	7/30/2017 14:31	30.27	71.2	5.45	8.5	SR12	7/30/2017 20:31	30.56	74.3	5.70	6.2
SR12	7/30/2017 2:36	30.04	66.4	5.14	6.0	SR12	7/30/2017 8:36	29.84	68.3	5.28	6.5	SR12	7/30/2017 14:36	30.24	70.3	5.37	7.1	SR12	7/30/2017 20:36	30.52	71.3	5.49	5.9
SR12	7/30/2017 2:41	30.00	66.7	5.17	5.8	SR12	7/30/2017 8:41	29.85	67.5	5.23	6.8	SR12	7/30/2017 14:41	30.27	71.3	5.45	7.6	SR12	7/30/2017 20:41	30.52	74.5	5.71	7.0
SR12	7/30/2017 2:46	30.03	66.9	5.19	6.1	SR12	7/30/2017 8:46	29.85	65.8	5.10	6.2	SR12	7/30/2017 14:46	30.19	71.0	5.42	8.2	SR12	7/30/2017 20:46	30.53	72.6	5.58	7.1
SR12	7/30/2017 2:51	30.03	67.6	5.23	6.4	SR12	7/30/2017 8:51	29.85	68.3	5.29	6.6	SR12	7/30/2017 14:51	30.23	70.9	5.42	8.1	SR12	7/30/2017 20:51	30.56	74.5	5.73	6.6
SR12	7/30/2017 2:56	30.03	67.5	5.21	6.3	SR12	7/30/2017 8:56	29.85	68.5	5.29	6.9	SR12	7/30/2017 14:56	30.23	71.5	5.46	8.1	SR12	7/30/2017 20:56	30.55	73.2	5.62	6.0
SR12	7/30/2017 3:01	30.00	67.8	5.25	6.1	SR12	7/30/2017 9:01	29.89	70.5	5.45	7.2	SR12	7/30/2017 15:01	30.25	71.4	5.45	8.2	SR12	7/30/2017 21:01	30.56	73.2	5.63	6.8
SR12	7/30/2017 3:06	30.02	68.2	5.27	6.5	SR12	7/30/2017 9:06	29.93	70.3	5.42	6.5	SR12	7/30/2017 15:06	30.31	71.9	5.49	8.7	SR12	7/30/2017 21:06	30.54	73.2	5.62	6.7
SR12	7/30/2017 3:11	30.02	68.0	5.26	6.0	SR12	7/30/2017 9:11	29.93	68.5	5.28	6.4	SR12	7/30/2017 15:11	30.29	72.6	5.54	9.0	SR12	7/30/2017 21:11	30.48	74.5	5.72	5.8
SR12	7/30/2017 3:16	30.03	67.3	5.22	6.4	SR12	7/30/2017 9:16	29.91	69.6	5.37	6.8	SR12	7/30/2017 15:16	30.33	72.9	5.56	8.9	SR12	7/30/2017 21:16	30.49	72.0	5.53	6.1
SR12	7/30/2017 3:21	30.03	68.5	5.31	6.2	SR12	7/30/2017 9:21	29.95	70.5	5.43	6.6	SR12	7/30/2017 15:21	30.34	72.9	5.55	9.0	SR12	7/30/2017 21:21	30.49	72.9	5.61	6.9
SR12	7/30/2017 3:26	30.02	68.0	5.27	5.9	SR12	7/30/2017 9:26	29.98	71.3	5.49	6.7	SR12	7/30/2017 15:26	30.26	72.8	5.54	7.8	SR12	7/30/2017 21:26	30.42	71.4	5.50	5.8
SR12	7/30/2017 3:31	30.00	67.1	5.20	6.6	SR12	7/30/2017 9:31	29.95	70.3	5.42	6.7	SR12	7/30/2017 15:31	30.32	73.4	5.59	7.7	SR12	7/30/2017 21:31	30.41	70.4	5.41	6.4
SR12	7/30/2017 3:36	30.04	66.9	5.18	6.2	SR12	7/30/2017 9:36	29.97	69.7	5.37	6.5	SR12	7/30/2017 15:36	30.39	73.0	5.55	7.9	SR12	7/30/2017 21:36	30.47	72.1	5.53	6.5
SR12	7/30/2017 3:41	30.04	67.7	5.24	6.6	SR12	7/30/2017 9:41	29.95	69.0	5.32	7.0	SR12	7/30/2017 15:41	30.47	73.5	5.59	7.3	SR12	7/30/2017 21:41	30.45	69.1	5.33	5.6
SR12	7/30/2017 3:46	30.03	67.2	5.22	6.3	SR12	7/30/2017 9:46	29.96	69.3	5.35	6.8	SR12	7/30/2017 15:46	30.22	73.2	5.58	7.6	SR12	7/30/2017 21:46	30.47	69.8	5.38	6.3
SR12	7/30/2017 3:51	30.05	67.0	5.20	7.9	SR12	7/30/2017 9:51	29.97	68.9	5.31	6.9	SR12	7/30/2017 15:51	30.38									

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	7/30/2017 0:00	30.44	66.0	5.17	7.6	SR13	7/30/2017 6:00	30.22	70.3	5.55	7.8	SR13	7/30/2017 12:00	30.17	68.7	5.38	8.3	SR13	7/30/2017 18:00	30.66	71.3	5.55	7.8
SR13	7/30/2017 0:05	30.43	66.2	5.20	7.6	SR13	7/30/2017 6:05	30.21	70.0	5.52	7.4	SR13	7/30/2017 12:05	30.19	69.9	5.47	8.7	SR13	7/30/2017 18:05	30.71	76.2	5.92	7.5
SR13	7/30/2017 0:10	30.42	65.8	5.17	7.2	SR13	7/30/2017 6:10	30.19	69.0	5.45	8.0	SR13	7/30/2017 12:10	30.22	69.0	5.40	7.7	SR13	7/30/2017 18:10	30.76	76.7	5.95	7.4
SR13	7/30/2017 0:15	30.43	66.0	5.19	8.1	SR13	7/30/2017 6:15	30.20	68.3	5.38	7.0	SR13	7/30/2017 12:15	30.22	69.7	5.45	8.5	SR13	7/30/2017 18:15	30.67	71.9	5.60	6.5
SR13	7/30/2017 0:20	30.43	65.5	5.14	7.6	SR13	7/30/2017 6:20	30.19	67.7	5.34	7.7	SR13	7/30/2017 12:20	30.28	69.0	5.39	8.3	SR13	7/30/2017 18:20	30.74	76.5	5.94	7.7
SR13	7/30/2017 0:25	30.42	65.4	5.13	7.6	SR13	7/30/2017 6:25	30.18	67.9	5.36	7.0	SR13	7/30/2017 12:25	30.32	69.8	5.44	8.9	SR13	7/30/2017 18:25	30.72	75.0	5.82	6.9
SR13	7/30/2017 0:30	30.42	65.4	5.13	8.2	SR13	7/30/2017 6:30	30.18	68.3	5.39	6.8	SR13	7/30/2017 12:30	30.25	68.3	5.34	9.0	SR13	7/30/2017 18:30	30.73	76.7	5.95	8.0
SR13	7/30/2017 0:35	30.44	66.1	5.19	7.7	SR13	7/30/2017 6:35	30.19	68.2	5.38	7.1	SR13	7/30/2017 12:35	30.26	71.0	5.55	8.6	SR13	7/30/2017 18:35	30.72	74.2	5.77	7.1
SR13	7/30/2017 0:40	30.44	66.6	5.23	7.9	SR13	7/30/2017 6:40	30.20	68.2	5.38	6.8	SR13	7/30/2017 12:40	30.23	68.2	5.34	8.5	SR13	7/30/2017 18:40	30.72	76.2	5.91	7.9
SR13	7/30/2017 0:45	30.42	65.9	5.17	8.0	SR13	7/30/2017 6:45	30.19	67.1	5.29	6.8	SR13	7/30/2017 12:45	30.22	68.5	5.36	8.4	SR13	7/30/2017 18:45	30.75	76.8	5.97	7.7
SR13	7/30/2017 0:50	30.42	66.4	5.22	7.5	SR13	7/30/2017 6:50	30.20	65.3	5.16	6.8	SR13	7/30/2017 12:50	30.28	71.5	5.59	9.1	SR13	7/30/2017 18:50	30.75	77.0	5.98	7.8
SR13	7/30/2017 0:55	30.43	66.5	5.23	8.3	SR13	7/30/2017 6:55	30.17	64.9	5.13	7.2	SR13	7/30/2017 12:55	30.26	70.3	5.50	9.1	SR13	7/30/2017 18:55	30.69	73.8	5.74	6.9
SR13	7/30/2017 1:00	30.41	66.4	5.21	8.0	SR13	7/30/2017 7:00	30.20	64.7	5.11	7.0	SR13	7/30/2017 13:00	30.28	69.7	5.45	8.8	SR13	7/30/2017 19:00	30.68	72.1	5.63	7.7
SR13	7/30/2017 1:05	30.41	66.4	5.22	7.9	SR13	7/30/2017 7:05	30.18	63.4	5.00	7.3	SR13	7/30/2017 13:05	30.25	68.2	5.33	8.1	SR13	7/30/2017 19:05	30.75	77.1	5.99	6.6
SR13	7/30/2017 1:10	30.42	66.9	5.27	7.7	SR13	7/30/2017 7:10	30.18	64.1	5.06	7.5	SR13	7/30/2017 13:10	30.26	68.1	5.33	8.8	SR13	7/30/2017 19:10	30.70	73.5	5.72	7.6
SR13	7/30/2017 1:15	30.42	66.1	5.20	8.2	SR13	7/30/2017 7:15	30.19	63.8	5.04	7.5	SR13	7/30/2017 13:15	30.28	68.7	5.37	8.7	SR13	7/30/2017 19:15	30.74	76.9	5.98	7.3
SR13	7/30/2017 1:20	30.43	66.1	5.20	8.0	SR13	7/30/2017 7:20	30.20	63.8	5.04	6.7	SR13	7/30/2017 13:20	30.30	69.1	5.40	8.7	SR13	7/30/2017 19:20	30.76	77.1	5.99	7.2
SR13	7/30/2017 1:25	30.41	66.5	5.23	7.8	SR13	7/30/2017 7:25	30.18	64.7	5.11	7.3	SR13	7/30/2017 13:25	30.28	69.2	5.41	8.2	SR13	7/30/2017 19:25	30.75	75.7	5.88	7.0
SR13	7/30/2017 1:30	30.39	66.2	5.21	7.5	SR13	7/30/2017 7:30	30.19	66.4	5.24	7.1	SR13	7/30/2017 13:30	30.35	69.2	5.39	8.8	SR13	7/30/2017 19:30	30.76	77.3	6.00	7.2
SR13	7/30/2017 1:35	30.39	66.0	5.19	7.8	SR13	7/30/2017 7:35	30.18	65.0	5.13	6.8	SR13	7/30/2017 13:35	30.31	68.7	5.36	8.4	SR13	7/30/2017 19:35	30.74	75.1	5.84	7.5
SR13	7/30/2017 1:40	30.39	65.6	5.16	8.1	SR13	7/30/2017 7:40	30.20	65.4	5.15	7.3	SR13	7/30/2017 13:40	30.31	69.0	5.39	8.9	SR13	7/30/2017 19:40	30.77	75.8	5.89	6.8
SR13	7/30/2017 1:45	30.40	65.3	5.14	8.1	SR13	7/30/2017 7:45	30.18	65.8	5.19	6.8	SR13	7/30/2017 13:45	30.34	69.1	5.39	8.2	SR13	7/30/2017 19:45	30.76	74.6	5.80	7.7
SR13	7/30/2017 1:50	30.40	65.1	5.13	7.6	SR13	7/30/2017 7:50	30.20	65.8	5.20	6.7	SR13	7/30/2017 13:50	30.37	69.4	5.41	8.1	SR13	7/30/2017 19:50	30.74	73.8	5.74	6.5
SR13	7/30/2017 1:55	30.38	65.0	5.12	7.4	SR13	7/30/2017 7:55	30.17	65.4	5.16	6.8	SR13	7/30/2017 13:55	30.35	68.2	5.33	8.9	SR13	7/30/2017 19:55	30.77	73.4	5.71	7.4
SR13	7/30/2017 2:00	30.39	65.1	5.13	7.4	SR13	7/30/2017 8:00	30.19	65.5	5.17	7.6	SR13	7/30/2017 14:00	30.31	67.9	5.32	9.6	SR13	7/30/2017 20:00	30.75	73.9	5.75	7.5
SR13	7/30/2017 2:05	30.39	64.6	5.09	7.5	SR13	7/30/2017 8:05	30.20	66.6	5.25	7.2	SR13	7/30/2017 14:05	30.31	67.8	5.31	8.8	SR13	7/30/2017 20:05	30.74	73.2	5.70	6.9
SR13	7/30/2017 2:10	30.39	66.0	5.22	7.5	SR13	7/30/2017 8:10	30.20	65.9	5.20	7.6	SR13	7/30/2017 14:10	30.32	67.5	5.28	8.0	SR13	7/30/2017 20:10	30.70	72.4	5.65	6.6
SR13	7/30/2017 2:15	30.42	65.5	5.15	7.5	SR13	7/30/2017 8:15	30.19	65.7	5.18	6.8	SR13	7/30/2017 14:15	30.37	68.8	5.38	9.0	SR13	7/30/2017 20:15	30.70	73.5	5.74	8.3
SR13	7/30/2017 2:20	30.40	65.7	5.18	7.9	SR13	7/30/2017 8:20	30.20	65.7	5.18	7.1	SR13	7/30/2017 14:20	30.35	68.5	5.35	8.5	SR13	7/30/2017 20:20	30.74	74.2	5.79	7.2
SR13	7/30/2017 2:25	30.38	65.8	5.18	7.8	SR13	7/30/2017 8:25	30.19	64.9	5.12	7.1	SR13	7/30/2017 14:25	30.38	69.9	5.45	8.1	SR13	7/30/2017 20:25	30.75	74.8	5.84	6.4
SR13	7/30/2017 2:30	30.39	65.4	5.15	7.3	SR13	7/30/2017 8:30	30.21	64.9	5.12	7.4	SR13	7/30/2017 14:30	30.38	69.9	5.45	8.8	SR13	7/30/2017 20:30	30.75	74.1	5.78	7.4
SR13	7/30/2017 2:35	30.39	65.3	5.15	7.4	SR13	7/30/2017 8:35	30.22	65.7	5.18	6.6	SR13	7/30/2017 14:35	30.39	69.2	5.40	8.4	SR13	7/30/2017 20:35	30.74	71.0	5.55	7.4
SR13	7/30/2017 2:40	30.39	65.5	5.18	7.5	SR13	7/30/2017 8:40	30.21	65.8	5.19	6.7	SR13	7/30/2017 14:40	30.38	70.1	5.46	8.5	SR13	7/30/2017 20:40	30.73	73.6	5.74	6.7
SR13	7/30/2017 2:45	30.40	65.6	5.17	7.6	SR13	7/30/2017 8:45	30.21	65.2	5.14	6.8	SR13	7/30/2017 14:45	30.38	69.0	5.39	8.7	SR13	7/30/2017 20:45	30.72	73.4	5.74	6.6
SR13	7/30/2017 2:50	30.39	66.1	5.20	7.6	SR13	7/30/2017 8:50	30.21	67.3	5.31	6.6	SR13	7/30/2017 14:50	30.38	69.5	5.42	8.7	SR13	7/30/2017 20:50	30.77	74.9	5.85	7.5
SR13	7/30/2017 2:55	30.39	66.0	5.20	7.3	SR13	7/30/2017 8:55	30.20	67.1	5.28	7.0	SR13	7/30/2017 14:55	30.40	69.7	5.44	8.0	SR13	7/30/2017 20:55	30.73	75.0	5.85	6.9
SR13	7/30/2017 3:00	30.38	66.2	5.23	7.4	SR13	7/30/2017 9:00	30.23	68.1	5.36	7.0	SR13	7/30/2017 15:00	30.42	69.7	5.44	8.0	SR13	7/30/2017 21:00	30.76	75.0	5.86	7.6
SR13	7/30/2017 3:05	30.38	66.5	5.23	7.2	SR13	7/30/2017 9:05	30.22	68.7	5.39	7.0	SR13	7/30/2017 15:05	30.45	70.5	5.49	8.4	SR13	7/30/2017 21:05	30.77	73.6	5.75	7.6
SR13	7/30/2017 3:10	30.39	66.4	5.24	7.9	SR13	7/30/2017 9:10	30.24	66.6	5.23	7.5	SR13	7/30/2017 15:10	30.43	70.9	5.53	8.1	SR13	7/30/2017 21:10	30.74	73.3	5.73	6.7
SR13	7/30/2017 3:15	30.38	66.1	5.23	7.2	SR13	7/30/2017 9:15	30.23	66.8	5.25	7.5	SR13	7/30/2017 15:15	30.45	71.3	5.55	8.3	SR13	7/30/2017 21:15	30.75	72.2	5.64	7.1
SR13	7/30/2017 3:20	30.40	66.7	5.26	7.3	SR13	7/30/2017 9:20	30.23	67.8	5.32	7.6	SR13	7/30/2017 15:20	30.44	71.2	5.54	7.6	SR13	7/30/2017 21:20	30.76	72.5	5.67	7.5
SR13	7/30/2017 3:25	30.39	66.5	5.25	7.2	SR13	7/30/2017 9:25	30.24	68.3	5.36	6.9	SR13	7/30/2017 15:25	30.45	70.7	5.50	8.5	SR13	7/30/2017 21:25	30.72	71.1	5.57	7.1
SR13	7/30/2017 3:30	30.36	66.0	5.22	7.3	SR13	7/30/2017 9:30	30.22	68.1	5.35	7.4	SR13	7/30/2017 15:30	30.46	71.8	5.59	7.7	SR13	7/30/2017 21:30	30.74	68.4	5.35	6.8
SR13	7/30/2017 3:35	30.39	66.0	5.21	7.4	SR13	7/30/2017 9:35	30.25	67.4	5.29	6.6	SR13	7/30/2017 15:35	30.48	71.4	5.55	8.4	SR13	7/30/2017 21:35	30.76	71.4	5.58	7.2
SR13	7/30/2017 3:40	30.38	66.4	5.23	7.3	SR13	7/30/2017 9:40	30.23	67.2	5.28	7.7	SR13	7/30/2017 15:40	30.50	72.3	5.61	8.3	SR13	7/30/2017 21:40	30.74	69.5	5.45	7.3
SR13	7/30/2017 3:45	30.37	66.2	5.24	7.9	SR13	7/30/2017 9:45	30.24	67.1	5.27	7.3	SR13	7/30/2017 15:45	30.44	70.2	5.47	8.4	SR13	7/30/2017 21:45	30.77	70.5	5.52	6.5
SR13	7/30/2017 3:50	30.40	66.1	5.21	7.3	SR13	7/30/2017 9:50	30.26	66.7	5.24	7.1	SR13	7/30/2017 15:50	30.49									



24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	7/30/2017 0:17	0.11				SR12	7/30/2017 0:17	0.16			
SR4	7/30/2017 0:37	0.13				SR12	7/30/2017 0:37	0.15			
SR4	7/30/2017 0:57	0.15				SR12	7/30/2017 0:57	0.15			
SR4	7/30/2017 1:17	0.14				SR12	7/30/2017 1:17	0.17			
SR4	7/30/2017 1:37	0.14				SR12	7/30/2017 1:37	0.18			
SR4	7/30/2017 1:57	0.11				SR12	7/30/2017 1:57	0.15			
SR4	7/30/2017 2:17	0.11				SR12	7/30/2017 2:17	0.15			
SR4	7/30/2017 2:37	0.14				SR12	7/30/2017 2:37	0.16			
SR4	7/30/2017 2:57	0.11				SR12	7/30/2017 2:57	0.14			
SR4	7/30/2017 3:17	0.14				SR12	7/30/2017 3:17	0.18			
SR4	7/30/2017 3:37	0.11				SR12	7/30/2017 3:37	0.15			
SR4	7/30/2017 3:57	0.15				SR12	7/30/2017 3:57	0.15			
SR4	7/30/2017 4:17	0.11				SR12	7/30/2017 4:17	0.18			
SR4	7/30/2017 4:37	0.11				SR12	7/30/2017 4:37	0.16			
SR4	7/30/2017 4:57	0.13				SR12	7/30/2017 4:57	0.14			
SR4	7/30/2017 5:17	0.13				SR12	7/30/2017 5:17	0.18			
SR4	7/30/2017 5:37	0.13				SR12	7/30/2017 5:37	0.15			
SR4	7/30/2017 5:57	0.12				SR12	7/30/2017 5:57	0.17			
SR4						SR12					
SR4	7/30/2017 6:37	0.12				SR12	7/30/2017 6:37	0.16			
SR4	7/30/2017 6:57	0.12				SR12	7/30/2017 6:57	0.18			
SR4	7/30/2017 7:17	0.13				SR12	7/30/2017 7:17	0.14			
SR4	7/30/2017 7:37	0.12				SR12	7/30/2017 7:37	0.15			
SR4	7/30/2017 7:57	0.13				SR12	7/30/2017 7:57	0.14			
SR4	7/30/2017 8:17	0.12				SR12	7/30/2017 8:17	0.15			
SR4	7/30/2017 8:37	0.11				SR12	7/30/2017 8:37	0.16			
SR4	7/30/2017 8:57	0.10				SR12	7/30/2017 8:57	0.18			
SR4	7/30/2017 9:17	0.10				SR12	7/30/2017 9:17	0.18			
SR4	7/30/2017 9:37	0.12				SR12	7/30/2017 9:37	0.15			
SR4	7/30/2017 9:57	0.13				SR12	7/30/2017 9:57	0.15			
SR4	7/30/2017 10:17	0.10				SR12	7/30/2017 10:17	0.14			
SR4	7/30/2017 10:37	0.13				SR12	7/30/2017 10:37	0.14			
SR4	7/30/2017 10:57	0.12				SR12	7/30/2017 10:57	0.14			
SR4	7/30/2017 11:17	0.12				SR12	7/30/2017 11:17	0.14			
SR4	7/30/2017 11:37	0.10				SR12	7/30/2017 11:37	0.17			
SR4	7/30/2017 11:57	0.12				SR12	7/30/2017 11:57	0.14			
SR4	7/30/2017 12:17	0.12				SR12	7/30/2017 12:17	0.14			
SR4	7/30/2017 12:37	0.10				SR12	7/30/2017 12:37	0.15			
SR4	7/30/2017 12:57	0.10				SR12	7/30/2017 12:57	0.16			
SR4	7/30/2017 13:17	0.13				SR12	7/30/2017 13:17	0.14			
SR4	7/30/2017 13:37	0.10				SR12	7/30/2017 13:37	0.18			
SR4	7/30/2017 13:57	0.13				SR12	7/30/2017 13:57	0.15			
SR4	7/30/2017 14:17	0.10				SR12	7/30/2017 14:17	0.18			
SR4	7/30/2017 14:37	0.10				SR12	7/30/2017 14:37	0.17			
SR4	7/30/2017 14:57	0.10				SR12	7/30/2017 14:57	0.14			
SR4	7/30/2017 15:17	0.08				SR12	7/30/2017 15:17	0.15			
SR4	7/30/2017 15:37	0.08				SR12	7/30/2017 15:37	0.16			
SR4	7/30/2017 15:57	0.12				SR12	7/30/2017 15:57	0.14			
SR4	7/30/2017 16:17	0.11				SR12	7/30/2017 16:17	0.17			
SR4	7/30/2017 16:37	0.11				SR12	7/30/2017 16:37	0.16			
SR4	7/30/2017 16:57	0.08				SR12	7/30/2017 16:57	0.16			
SR4	7/30/2017 17:17	0.12				SR12	7/30/2017 17:17	0.15			
SR4	7/30/2017 17:37	0.08				SR12	7/30/2017 17:37	0.16			
SR4	7/30/2017 17:57	0.08				SR12	7/30/2017 17:57	0.17			
SR4	7/30/2017 18:17	0.11				SR12	7/30/2017 18:17	0.15			
SR4	7/30/2017 18:37	0.12				SR12	7/30/2017 18:37	0.12			
SR4	7/30/2017 18:57	0.09				SR12	7/30/2017 18:57	0.14			
SR4	7/30/2017 19:17	0.11				SR12	7/30/2017 19:17	0.14			
SR4	7/30/2017 19:37	0.10				SR12	7/30/2017 19:37	0.14			
SR4	7/30/2017 19:57	0.09				SR12	7/30/2017 19:57	0.15			
SR4	7/30/2017 20:17	0.10				SR12	7/30/2017 20:17	0.15			
SR4	7/30/2017 20:37	0.11				SR12	7/30/2017 20:37	0.14			
SR4	7/30/2017 20:57	0.12				SR12	7/30/2017 20:57	0.15			
SR4	7/30/2017 21:17	0.08				SR12	7/30/2017 21:17	0.15			
SR4	7/30/2017 21:37	0.08				SR12	7/30/2017 21:37	0.14			
SR4	7/30/2017 21:57	0.07				SR12	7/30/2017 21:57	0.12			
SR4	7/30/2017 22:17	0.06				SR12	7/30/2017 22:17	0.12			
SR4	7/30/2017 22:37	0.08				SR12	7/30/2017 22:37	0.15			
SR4	7/30/2017 22:57	0.07				SR12	7/30/2017 22:57	0.12			
SR4	7/30/2017 23:17	0.07				SR12	7/30/2017 23:17	0.15			
SR4	7/30/2017 23:37	0.08				SR12	7/30/2017 23:37	0.15			
SR4	7/30/2017 23:57	0.06				SR12	7/30/2017 23:57	0.13			

Remark: Fonts with underline: Action Level Exceedance

**Fonts in Bold with underline: Limit Level Exceedance**

Automatic Instrument calibration of NH<sub>3</sub>-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	7/31/2017 0:01	30.88	76.7	5.77	7.5	SR4	7/31/2017 6:01	30.40	81.7	6.15	7.3	SR4	7/31/2017 12:01	30.46	83.5	6.27	8.1	SR4	7/31/2017 18:01	30.58	100.0	7.48	6.5
SR4	7/31/2017 0:06	30.92	75.9	5.71	7.1	SR4	7/31/2017 6:06	30.36	83.9	6.32	6.7	SR4	7/31/2017 12:06	30.44	84.3	6.33	8.3	SR4	7/31/2017 18:06	30.57	99.8	7.47	6.2
SR4	7/31/2017 0:11	30.90	76.4	5.75	8.9	SR4	7/31/2017 6:11	30.35	83.5	6.29	8.5	SR4	7/31/2017 18:11	30.56				SR4	7/31/2017 18:11	30.56	99.6	7.46	7.2
SR4	7/31/2017 0:16	30.90	76.7	5.78	7.4	SR4	7/31/2017 6:16	30.34	83.3	6.27	8.7	SR4	7/31/2017 18:16	30.56				SR4	7/31/2017 18:16	30.56	99.0	7.42	6.1
SR4	7/31/2017 0:21	30.92	74.6	5.62	6.8	SR4	7/31/2017 6:21	30.34	83.6	6.30	8.5	SR4	7/31/2017 18:21	30.55				SR4	7/31/2017 18:21	30.55	99.9	7.41	7.5
SR4	7/31/2017 0:26	30.88	74.0	5.58	8.3	SR4	7/31/2017 6:26	30.36	80.5	6.07	8.0	SR4	7/31/2017 18:26	30.52				SR4	7/31/2017 18:26	30.52	99.6	7.46	6.9
SR4	7/31/2017 0:31	30.88	73.1	5.51	8.6	SR4	7/31/2017 6:31	30.37	80.9	6.10	6.6	SR4	7/31/2017 18:31	30.51				SR4	7/31/2017 18:31	30.51	99.5	7.45	6.9
SR4	7/31/2017 0:36	30.88	74.2	5.59	7.1	SR4	7/31/2017 6:36	30.35	81.1	6.11	6.7	SR4	7/31/2017 18:36	30.50				SR4	7/31/2017 18:36	30.50	97.9	7.33	6.2
SR4	7/31/2017 0:41	30.92	75.6	5.70	6.9	SR4	7/31/2017 6:41	30.36	82.6	6.22	6.6	SR4	7/31/2017 18:41	30.49				SR4	7/31/2017 18:41	30.49	97.3	7.29	7.6
SR4	7/31/2017 0:46	30.91	74.9	5.65	8.8	SR4	7/31/2017 6:46	30.34	83.5	6.29	8.4	SR4	7/31/2017 18:46	30.50				SR4	7/31/2017 18:46	30.50	97.2	7.28	6.4
SR4	7/31/2017 0:51	30.92	73.8	5.57	7.1	SR4	7/31/2017 6:51	30.36	83.2	6.27	7.6	SR4	7/31/2017 18:51	30.50				SR4	7/31/2017 18:51	30.50	97.0	7.27	6.8
SR4	7/31/2017 0:56	30.93	73.4	5.54	7.5	SR4	7/31/2017 6:56	30.36	83.7	6.30	7.9	SR4	7/31/2017 18:56	30.50				SR4	7/31/2017 18:56	30.50	98.1	7.35	7.1
SR4	7/31/2017 1:01	30.90	74.8	5.64	7.5	SR4	7/31/2017 7:01	30.34	83.9	6.32	8.5	SR4	7/31/2017 19:01	30.49				SR4	7/31/2017 19:01	30.49	97.7	7.32	7.3
SR4	7/31/2017 1:06	30.91	72.9	5.50	8.3	SR4	7/31/2017 7:06	30.40	83.9	6.32	8.5	SR4	7/31/2017 19:06	30.49				SR4	7/31/2017 19:06	30.49	97.8	7.33	6.7
SR4	7/31/2017 1:11	30.91	69.4	5.25	8.7	SR4	7/31/2017 7:11	30.39	83.9	6.32	7.8	SR4	7/31/2017 19:11	30.49				SR4	7/31/2017 19:11	30.49	97.9	7.34	6.8
SR4	7/31/2017 1:16	30.93	70.8	5.36	6.7	SR4	7/31/2017 7:16	30.41	84.4	6.36	8.2	SR4	7/31/2017 19:16	30.49				SR4	7/31/2017 19:16	30.50	98.0	7.34	8.0
SR4	7/31/2017 1:21	30.92	70.5	5.33	8.7	SR4	7/31/2017 7:21	30.41	84.9	6.40	7.8	SR4	7/31/2017 19:21	30.49				SR4	7/31/2017 19:21	30.50	97.3	7.29	8.0
SR4	7/31/2017 1:26	30.90	69.6	5.26	6.8	SR4	7/31/2017 7:26	30.40	82.6	6.22	6.8	SR4	7/31/2017 19:26	30.46				SR4	7/31/2017 19:26	30.49	97.0	7.27	8.0
SR4	7/31/2017 1:31	30.90	70.0	5.29	7.5	SR4	7/31/2017 7:31	30.44	82.2	6.20	8.8	SR4	7/31/2017 19:31	30.47				SR4	7/31/2017 19:31	30.48	96.2	7.21	7.6
SR4	7/31/2017 1:36	30.90	72.7	5.49	7.5	SR4	7/31/2017 7:36	30.42	82.4	6.21	7.2	SR4	7/31/2017 19:36	30.50				SR4	7/31/2017 19:36	30.47	96.0	7.20	6.9
SR4	7/31/2017 1:41	30.91	74.6	5.63	8.0	SR4	7/31/2017 7:41	30.44	82.7	6.23	8.9	SR4	7/31/2017 19:41	30.55				SR4	7/31/2017 19:41	30.48	96.5	7.24	7.1
SR4	7/31/2017 1:46	30.91	75.8	5.72	7.3	SR4	7/31/2017 7:46	30.43	82.8	6.24	7.7	SR4	7/31/2017 19:46	30.54				SR4	7/31/2017 19:46	30.48	96.7	7.25	7.9
SR4	7/31/2017 1:51	30.91	72.7	5.49	7.2	SR4	7/31/2017 7:51	30.46	82.1	6.19	7.7	SR4	7/31/2017 19:51	30.55				SR4	7/31/2017 19:51	30.47	96.4	7.22	6.3
SR4	7/31/2017 1:56	30.90	74.7	5.64	7.5	SR4	7/31/2017 7:56	30.44	80.9	6.10	8.2	SR4	7/31/2017 19:56	30.57				SR4	7/31/2017 19:56	30.45	96.1	7.21	6.6
SR4	7/31/2017 2:01	30.91	75.1	5.67	6.9	SR4	7/31/2017 8:01	30.44	80.4	6.06	7.8	SR4	7/31/2017 20:01	30.43				SR4	7/31/2017 20:01	30.43	95.0	7.12	7.7
SR4	7/31/2017 2:06	30.90	75.0	5.66	7.6	SR4	7/31/2017 8:06	30.45	80.3	6.06	8.2	SR4	7/31/2017 20:06	30.41				SR4	7/31/2017 20:06	30.41	96.4	7.23	7.5
SR4	7/31/2017 2:11	30.88	73.2	5.53	7.5	SR4	7/31/2017 8:11	30.48	79.6	6.01	7.7	SR4	7/31/2017 20:11	30.57				SR4	7/31/2017 20:11	30.38	95.6	7.17	6.5
SR4	7/31/2017 2:16	30.88	70.0	5.30	7.2	SR4	7/31/2017 8:16	30.48	79.0	5.96	7.8	SR4	7/31/2017 20:16	30.56				SR4	7/31/2017 20:16	30.38	95.9	7.19	6.4
SR4	7/31/2017 2:21	30.91	75.4	5.70	8.9	SR4	7/31/2017 8:21	30.47	78.9	5.96	7.4	SR4	7/31/2017 20:21	30.56				SR4	7/31/2017 20:21	30.37	93.7	7.03	8.0
SR4	7/31/2017 2:26	30.90	75.2	5.68	8.0	SR4	7/31/2017 8:26	30.48	81.5	6.15	8.2	SR4	7/31/2017 20:26	30.57				SR4	7/31/2017 20:26	30.37	95.2	7.14	8.0
SR4	7/31/2017 2:31	30.89	74.3	5.62	8.6	SR4	7/31/2017 8:31	30.50	77.4	5.85	8.1	SR4	7/31/2017 20:31	30.58				SR4	7/31/2017 20:31	30.37	95.5	7.17	6.2
SR4	7/31/2017 2:36	30.89	75.1	5.68	6.7	SR4	7/31/2017 8:36	30.49	78.6	5.94	8.5	SR4	7/31/2017 20:36	30.61				SR4	7/31/2017 20:36	30.39	95.2	7.14	6.8
SR4	7/31/2017 2:41	30.88	76.0	5.74	7.1	SR4	7/31/2017 8:41	30.48	78.2	5.91	6.9	SR4	7/31/2017 20:41	30.65				SR4	7/31/2017 20:41	30.39	95.5	7.17	7.9
SR4	7/31/2017 2:46	30.87	76.9	5.81	7.5	SR4	7/31/2017 8:46	30.50	77.7	5.87	6.6	SR4	7/31/2017 20:46	30.66				SR4	7/31/2017 20:46	30.40	94.9	7.12	6.5
SR4	7/31/2017 2:51	30.91	72.1	5.46	7.8	SR4	7/31/2017 8:51	30.52	81.5	6.15	8.4	SR4	7/31/2017 20:51	30.63				SR4	7/31/2017 20:51	30.39	94.7	7.11	6.7
SR4	7/31/2017 2:56	30.86	75.2	5.69	8.8	SR4	7/31/2017 8:56	30.50	83.7	6.31	8.7	SR4	7/31/2017 20:56	30.60				SR4	7/31/2017 20:56	30.37	93.9	7.05	7.8
SR4	7/31/2017 3:01	30.88	72.6	5.49	8.1	SR4	7/31/2017 9:01	30.48	82.6	6.23	8.2	SR4	7/31/2017 21:01	30.61				SR4	7/31/2017 21:01	30.34	92.6	6.95	6.7
SR4	7/31/2017 3:06	30.88	74.1	5.60	8.0	SR4	7/31/2017 9:06	30.48	82.2	6.20	8.4	SR4	7/31/2017 21:06	30.57				SR4	7/31/2017 21:06	30.33	91.1	6.85	7.6
SR4	7/31/2017 3:11	30.89	72.4	5.48	2.5	SR4	7/31/2017 9:11	30.51	83.0	6.26	7.7	SR4	7/31/2017 21:11	30.55				SR4	7/31/2017 21:11	30.30	92.8	6.97	6.5
SR4	7/31/2017 3:16	30.90	74.4	5.63	4.1	SR4	7/31/2017 9:16	30.52	82.1	6.20	6.7	SR4	7/31/2017 21:16	30.58				SR4	7/31/2017 21:16	30.28	92.6	6.96	7.6
SR4	7/31/2017 3:21	30.89	75.7	5.72	2.3	SR4	7/31/2017 9:21	30.50	83.0	6.26	8.0	SR4	7/31/2017 21:21	30.60				SR4	7/31/2017 21:21	30.28	92.2	6.93	7.5
SR4	7/31/2017 3:26	30.86	77.4	5.85	7.9	SR4	7/31/2017 9:26	30.52	83.5	6.30	6.6	SR4	7/31/2017 21:26	30.63				SR4	7/31/2017 21:26	30.28	92.5	6.95	7.2
SR4	7/31/2017 3:31	30.88	80.5	6.07	6.7	SR4	7/31/2017 9:31	30.50	84.8	6.39	7.4	SR4	7/31/2017 21:31	30.64				SR4	7/31/2017 21:31	30.23	93.1	6.99	7.6
SR4	7/31/2017 3:36	30.88	80.8	6.09	7.1	SR4	7/31/2017 9:36	30.52	86.2	6.50	8.4	SR4	7/31/2017 21:36	30.64				SR4	7/31/2017 21:36	30.22	93.2	7.00	6.1
SR4	7/31/2017 3:41	30.89	80.7	6.07	7.4	SR4	7/31/2017 9:41	30.54	85.9	6.48	8.8	SR4	7/31/2017 21:41	30.64				SR4	7/31/2017 21:41	30.20	92.4	6.94	7.9
SR4	7/31/2017 3:46	30.90	80.0	6.02	7.4	SR4	7/31/2017 9:46	30.54	85.4	6.44	7.7	SR4	7/31/2017 21:46	30.63				SR4	7/31/2017 21:46	30.20	91.8	6.90	6.6
SR4	7/31/2017 3:51	30.86	81.2	6.10	8.3	SR4	7/31/2017 9:51	30.51	82.9	6.26	6.9	SR4	7/31/2017 21:51	30.62				SR4	7/31/2017 21:51	30.22	92.1	6.92	6.4
SR4	7/31/2017 3:56	30.90	82.6	6.21	6.6	SR4	7/31/2017 9:56	30.53	84.6	6.38	7.6	SR4	7/31/2017 21:56	30.62				SR4	7/31/2017 21:56	30.17	92.4	6.94	7.9
SR4	7/31/2017 4:01	30.90	81.4	6.12	7.9	SR4	7/31/2017 10:01	30.54	84.3	6.36	6.8	SR4	7/31/2017 22:01	30.62				SR4	7/31/2017 22:01	30.11	92.2	6.92	8.2
SR4	7/31/2017 4:06	30.90	82.4	6.19	8.9	SR4	7/31/2017 10:06	30.52	82.5	6.23	7.6	SR4	7/31/2017 22:06	30.64				SR4	7/31/2017 22:06	30.09	92.0	6.91	6.9

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)
SR5	7/31/2017 0:00	30.76	68.0	5.21	5.7	SR5	7/31/2017 6:00	30.53	69.5	5.33	5.1	SR5	7/31/2017 12:00	30.45	69.0	5.27	6.2	SR5	7/31/2017 18:00	30.64	76.3	5.80	4.7
SR5	7/31/2017 0:05	30.73	69.6	5.31	5.4	SR5	7/31/2017 6:05	30.49	69.8	5.35	4.8	SR5	7/31/2017 12:05	30.43	70.0	5.34	5.5	SR5	7/31/2017 18:05	30.69	76.2	5.80	4.5
SR5	7/31/2017 0:10	30.72	69.3	5.29	6.3	SR5	7/31/2017 6:10	30.49	69.5	5.33	5.7	SR5	7/31/2017 12:10	30.42	68.7	5.26	5.5	SR5	7/31/2017 18:10	30.69	75.9	5.79	5.1
SR5	7/31/2017 0:15	30.75	68.6	5.24	5.7	SR5	7/31/2017 6:15	30.48	70.0	5.36	5.9	SR5	7/31/2017 12:15	30.43	68.0	5.20	5.7	SR5	7/31/2017 18:15	30.65	76.0	5.79	4.5
SR5	7/31/2017 0:20	30.72	68.4	5.22	5.6	SR5	7/31/2017 6:20	30.47	69.9	5.36	5.8	SR5	7/31/2017 12:20	30.42	69.6	5.33	5.4	SR5	7/31/2017 18:20	30.64	76.0	5.79	5.2
SR5	7/31/2017 0:25	30.75	70.5	5.38	6.1	SR5	7/31/2017 6:25	30.50	68.7	5.27	5.5	SR5	7/31/2017 12:25	30.43	69.0	5.28	5.5	SR5	7/31/2017 18:25	30.64	76.4	5.81	5.0
SR5	7/31/2017 0:30	30.74	68.6	5.24	6.3	SR5	7/31/2017 6:30	30.52	69.3	5.32	5.0	SR5	7/31/2017 12:30	30.44	69.0	5.27	5.0	SR5	7/31/2017 18:30	30.69	76.3	5.81	4.9
SR5	7/31/2017 0:35	30.73	68.9	5.26	5.4	SR5	7/31/2017 6:35	30.49	68.7	5.27	4.9	SR5	7/31/2017 12:35	30.45	67.9	5.21	5.8	SR5	7/31/2017 18:35	30.68	75.5	5.75	4.5
SR5	7/31/2017 0:40	30.74	69.0	5.27	5.4	SR5	7/31/2017 6:40	30.50	69.7	5.34	4.9	SR5	7/31/2017 12:40	30.41	67.6	5.18	5.3	SR5	7/31/2017 18:40	30.65	75.2	5.74	5.3
SR5	7/31/2017 0:45	30.72	69.0	5.27	6.3	SR5	7/31/2017 6:45	30.47	70.0	5.37	5.9	SR5	7/31/2017 12:45	30.41	68.8	5.26	5.1	SR5	7/31/2017 18:45	30.68	75.7	5.78	4.8
SR5	7/31/2017 0:50	30.73	69.0	5.27	5.8	SR5	7/31/2017 6:50	30.51	70.1	5.38	5.4	SR5	7/31/2017 12:50	30.45	69.1	5.29	5.3	SR5	7/31/2017 18:50	30.65	75.2	5.73	4.9
SR5	7/31/2017 0:55	30.71	70.1	5.35	5.7	SR5	7/31/2017 6:55	30.50	70.3	5.39	5.7	SR5	7/31/2017 12:55	30.42	68.4	5.23	5.0	SR5	7/31/2017 18:55	30.68	75.3	5.75	5.1
SR5	7/31/2017 1:00	30.73	70.6	5.39	5.6	SR5	7/31/2017 7:00	30.47	69.7	5.34	5.8	SR5	7/31/2017 13:00	30.46	69.5	5.32	5.7	SR5	7/31/2017 19:00	30.66	75.6	5.76	5.2
SR5	7/31/2017 1:05	30.71	69.2	5.28	6.0	SR5	7/31/2017 7:05	30.51	69.7	5.34	5.8	SR5	7/31/2017 13:05	30.46	70.3	5.37	4.9	SR5	7/31/2017 19:05	30.66	75.3	5.74	4.8
SR5	7/31/2017 1:10	30.68	68.6	5.24	6.1	SR5	7/31/2017 7:10	30.47	69.8	5.35	5.5	SR5	7/31/2017 13:10	30.48	70.0	5.35	5.6	SR5	7/31/2017 19:10	30.12	75.4	5.75	4.9
SR5	7/31/2017 1:15	30.72	69.6	5.31	5.1	SR5	7/31/2017 7:15	30.51	70.1	5.38	5.6	SR5	7/31/2017 13:15	30.49	69.1	5.27	5.2	SR5	7/31/2017 19:15	30.11	75.4	5.75	5.7
SR5	7/31/2017 1:20	30.72	70.6	5.39	6.0	SR5	7/31/2017 7:20	30.49	70.2	5.38	5.5	SR5	7/31/2017 13:20	30.47	69.1	5.28	5.5	SR5	7/31/2017 19:20	30.06	75.6	5.75	6.8
SR5	7/31/2017 1:25	30.67	70.0	5.34	4.9	SR5	7/31/2017 7:25	30.46	69.7	5.35	4.9	SR5	7/31/2017 13:25	30.47	70.5	5.38	5.4	SR5	7/31/2017 19:25	30.04	75.0	5.72	5.8
SR5	7/31/2017 1:30	30.70	69.6	5.31	5.4	SR5	7/31/2017 7:30	30.47	69.7	5.35	6.0	SR5	7/31/2017 13:30	30.49	69.5	5.32	5.4	SR5	7/31/2017 19:30	30.00	75.4	5.75	5.5
SR5	7/31/2017 1:35	30.68	70.2	5.36	5.3	SR5	7/31/2017 7:35	30.46	69.9	5.37	5.1	SR5	7/31/2017 13:35	30.47	69.8	5.33	5.3	SR5	7/31/2017 19:35	29.99	75.1	5.72	5.2
SR5	7/31/2017 1:40	30.68	69.4	5.30	5.6	SR5	7/31/2017 7:40	30.49	69.8	5.35	6.0	SR5	7/31/2017 13:40	30.50	69.5	5.30	4.9	SR5	7/31/2017 19:40	30.00	75.2	5.74	5.1
SR5	7/31/2017 1:45	30.66	70.1	5.35	5.4	SR5	7/31/2017 7:45	30.49	69.6	5.34	5.6	SR5	7/31/2017 13:45	30.52	70.4	5.39	4.7	SR5	7/31/2017 19:45	29.98	75.1	5.74	5.4
SR5	7/31/2017 1:50	30.64	70.6	5.39	5.2	SR5	7/31/2017 7:50	30.47	70.0	5.37	5.5	SR5	7/31/2017 13:50	30.49	71.3	5.45	5.6	SR5	7/31/2017 19:50	29.93	75.2	5.74	4.7
SR5	7/31/2017 1:55	30.66	70.1	5.35	5.3	SR5	7/31/2017 7:55	30.49	67.9	5.22	5.6	SR5	7/31/2017 13:55	30.52	71.6	5.47	5.4	SR5	7/31/2017 19:55	29.96	74.8	5.70	4.8
SR5	7/31/2017 2:00	30.64	70.0	5.34	5.0	SR5	7/31/2017 8:00	30.49	68.6	5.27	5.4	SR5	7/31/2017 14:00	30.51	72.1	5.51	4.8	SR5	7/31/2017 20:00	30.04	74.7	5.70	5.3
SR5	7/31/2017 2:05	30.66	68.8	5.25	5.4	SR5	7/31/2017 8:05	30.44	68.4	5.25	5.5	SR5	7/31/2017 14:05	30.52	72.6	5.55	5.4	SR5	7/31/2017 20:05	30.06	75.3	5.74	5.3
SR5	7/31/2017 2:10	30.62	70.1	5.35	5.3	SR5	7/31/2017 8:10	30.46	68.7	5.27	5.4	SR5	7/31/2017 14:10	30.51	72.6	5.54	4.8	SR5	7/31/2017 20:10	30.03	75.3	5.75	4.8
SR5	7/31/2017 2:15	30.62	68.5	5.23	5.1	SR5	7/31/2017 8:15	30.45	68.3	5.24	5.3	SR5	7/31/2017 14:15	30.54	72.8	5.55	5.5	SR5	7/31/2017 20:15	30.06	74.8	5.71	4.7
SR5	7/31/2017 2:20	30.62	70.5	5.38	6.0	SR5	7/31/2017 8:20	30.44	68.5	5.26	5.1	SR5	7/31/2017 14:20	30.50	73.4	5.59	5.2	SR5	7/31/2017 20:20	30.07	74.3	5.67	5.6
SR5	7/31/2017 2:25	30.61	68.6	5.24	5.6	SR5	7/31/2017 8:25	30.46	67.9	5.21	5.9	SR5	7/31/2017 14:25	30.54	73.7	5.62	4.7	SR5	7/31/2017 20:25	30.02	74.6	5.70	5.5
SR5	7/31/2017 2:30	30.59	70.6	5.39	5.8	SR5	7/31/2017 8:30	30.43	66.9	5.14	5.6	SR5	7/31/2017 14:30	30.53	73.0	5.56	4.9	SR5	7/31/2017 20:30	30.03	74.7	5.71	4.6
SR5	7/31/2017 2:35	30.62	69.4	5.30	5.0	SR5	7/31/2017 8:35	30.47	66.1	5.08	5.7	SR5	7/31/2017 14:35	30.55	73.7	5.62	4.8	SR5	7/31/2017 20:35	30.07	74.7	5.71	4.9
SR5	7/31/2017 2:40	30.58	68.5	5.23	5.2	SR5	7/31/2017 8:40	30.44	68.0	5.23	4.9	SR5	7/31/2017 14:40	30.55	74.3	5.67	5.2	SR5	7/31/2017 20:40	30.06	74.8	5.73	5.4
SR5	7/31/2017 2:45	30.60	69.6	5.31	5.4	SR5	7/31/2017 8:45	30.42	68.6	5.27	4.7	SR5	7/31/2017 14:45	30.57	74.2	5.66	4.9	SR5	7/31/2017 20:45	30.07	74.8	5.72	4.7
SR5	7/31/2017 2:50	30.57	69.7	5.32	5.6	SR5	7/31/2017 8:50	30.43	69.6	5.34	5.6	SR5	7/31/2017 14:50	30.57	74.2	5.66	5.4	SR5	7/31/2017 20:50	30.09	74.7	5.71	4.8
SR5	7/31/2017 2:55	30.58	69.2	5.28	6.0	SR5	7/31/2017 8:55	30.41	69.9	5.36	5.8	SR5	7/31/2017 14:55	30.57	73.7	5.62	4.9	SR5	7/31/2017 20:55	30.09	74.1	5.68	5.5
SR5	7/31/2017 3:00	30.58	69.0	5.27	5.7	SR5	7/31/2017 9:00	30.42	70.3	5.39	5.5	SR5	7/31/2017 15:00	30.57	74.0	5.63	5.4	SR5	7/31/2017 21:00	30.09	74.1	5.67	4.8
SR5	7/31/2017 3:05	30.56	69.2	5.28	5.7	SR5	7/31/2017 9:05	30.41	69.8	5.36	5.6	SR5	7/31/2017 15:05	30.59	74.6	5.69	5.7	SR5	7/31/2017 21:05	30.06	73.9	5.67	5.2
SR5	7/31/2017 3:10	30.56	69.0	5.27	2.8	SR5	7/31/2017 9:10	30.39	70.0	5.37	5.2	SR5	7/31/2017 15:10	30.60	75.1	5.72	5.6	SR5	7/31/2017 21:10	30.05	73.9	5.66	4.7
SR5	7/31/2017 3:15	30.58	68.5	5.23	3.8	SR5	7/31/2017 9:15	30.40	69.6	5.35	4.8	SR5	7/31/2017 15:15	30.56	74.7	5.69	5.3	SR5	7/31/2017 21:15	30.09	74.1	5.67	5.5
SR5	7/31/2017 3:20	30.55	68.8	5.25	2.7	SR5	7/31/2017 9:20	30.41	70.5	5.41	5.4	SR5	7/31/2017 15:20	30.59	74.4	5.67	4.9	SR5	7/31/2017 21:20	30.09	73.8	5.65	5.2
SR5	7/31/2017 3:25	30.58	70.1	5.35	5.5	SR5	7/31/2017 9:25	30.38	70.2	5.40	4.7	SR5	7/31/2017 15:25	30.61	74.4	5.67	5.3	SR5	7/31/2017 21:25	30.05	74.2	5.69	5.1
SR5	7/31/2017 3:30	30.58	69.0	5.29	4.9	SR5	7/31/2017 9:30	30.42	70.1	5.38	5.4	SR5	7/31/2017 15:30	30.57	74.7	5.69	4.8	SR5	7/31/2017 21:30	30.07	74.3	5.71	5.3
SR5	7/31/2017 3:35	30.57	69.3	5.31	5.3	SR5	7/31/2017 9:35	30.40	70.1	5.39	5.6	SR5	7/31/2017 15:35	30.61	74.8	5.70	5.6	SR5	7/31/2017 21:35	30.09	73.6	5.64	4.5
SR5	7/31/2017 3:40	30.54	69.6	5.34	5.2	SR5	7/31/2017 9:40	30.37	69.9	5.37	5.8	SR5	7/31/2017 15:40	30.62	75.0	5.71	5.6	SR5	7/31/2017 21:40	30.10	73.8	5.66	5.5
SR5	7/31/2017 3:45	30.56	69.2	5.31	5.3	SR5	7/31/2017 9:45	30.40	69.9	5.38	5.2	SR5	7/31/2017 15:45	30.61	75.6	5.76	5.2	SR5	7/31/2017 21:45	30.07	73.3	5.62	4.8
SR5	7/31/2017 3:50	30.53	68.7	5.27	5.7	SR5	7/31/2017 9:50	30.38	69.2	5.32	4.9	SR5	7/31/2017 15:50	30.63	75.5	5.75	5.2	SR5	7/31/2017 21:50	30.06	74.0	5.67	4.9
SR5	7/31/2017 3:55	30.57	69.3	5.31	4.8	SR5	7/31/2017 9:55	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)
SR12	7/31/2017 0:01	30.39	72.9	5.61	5.5	SR12	7/31/2017 6:01	30.26	76.4	5.88	6.4	SR12	7/31/2017 12:01	30.18	77.0	5.91	5.7	SR12	7/31/2017 18:01	30.56	88.5	6.74	5.8
SR12	7/31/2017 0:06	30.36	72.4	5.57	5.4	SR12	7/31/2017 6:06	30.23	77.7	5.98	5.8	SR12	7/31/2017 12:06	30.18	77.4	5.93	5.9	SR12	7/31/2017 18:06	30.60	88.3	6.73	5.8
SR12	7/31/2017 0:11	30.35	72.7	5.60	6.1	SR12	7/31/2017 6:11	30.22	77.4	5.96	6.6	SR12	7/31/2017 12:11	30.25	77.7	5.97	5.7	SR12	7/31/2017 18:11	30.57	88.2	6.74	6.0
SR12	7/31/2017 0:16	30.36	72.8	5.60	5.3	SR12	7/31/2017 6:16	30.21	77.3	5.95	6.9	SR12	7/31/2017 12:16	30.28	77.0	5.91	5.7	SR12	7/31/2017 18:16	30.57	87.8	6.71	5.4
SR12	7/31/2017 0:21	30.34	71.4	5.50	5.2	SR12	7/31/2017 6:21	30.21	77.5	5.97	6.5	SR12	7/31/2017 12:21	30.31	78.3	6.00	5.7	SR12	7/31/2017 18:21	30.58	87.8	6.71	5.9
SR12	7/31/2017 0:26	30.35	71.1	5.49	5.9	SR12	7/31/2017 6:26	30.21	75.6	5.82	6.6	SR12	7/31/2017 12:26	30.30	78.5	6.01	5.7	SR12	7/31/2017 18:26	30.56	88.2	6.73	5.6
SR12	7/31/2017 0:31	30.34	70.6	5.44	6.0	SR12	7/31/2017 6:31	30.22	75.9	5.85	5.8	SR12	7/31/2017 12:31	30.30	77.4	5.93	5.1	SR12	7/31/2017 18:31	30.58	88.2	6.74	5.6
SR12	7/31/2017 0:36	30.33	71.2	5.49	5.2	SR12	7/31/2017 6:36	30.21	76.0	5.85	6.0	SR12	7/31/2017 12:36	30.32	75.3	5.79	5.9	SR12	7/31/2017 18:36	30.60	87.2	6.65	5.7
SR12	7/31/2017 0:41	30.33	71.9	5.55	5.1	SR12	7/31/2017 6:41	30.22	77.0	5.93	5.7	SR12	7/31/2017 12:41	30.31	75.6	5.81	5.6	SR12	7/31/2017 18:41	30.57	86.8	6.64	6.4
SR12	7/31/2017 0:46	30.33	71.8	5.54	6.1	SR12	7/31/2017 6:46	30.21	77.5	5.96	6.8	SR12	7/31/2017 12:46	30.30	77.4	5.93	5.2	SR12	7/31/2017 18:46	30.60	86.8	6.64	5.6
SR12	7/31/2017 0:51	30.33	70.9	5.47	5.2	SR12	7/31/2017 6:51	30.21	77.4	5.96	6.2	SR12	7/31/2017 12:51	30.33	76.4	5.86	5.5	SR12	7/31/2017 18:51	30.58	86.7	6.63	5.5
SR12	7/31/2017 0:56	30.33	70.8	5.46	5.5	SR12	7/31/2017 6:56	30.21	77.6	5.98	6.5	SR12	7/31/2017 12:56	30.26	76.6	5.87	5.1	SR12	7/31/2017 18:56	30.60	87.3	6.68	5.5
SR12	7/31/2017 1:01	30.34	71.7	5.52	5.4	SR12	7/31/2017 7:01	30.20	77.7	5.98	6.6	SR12	7/31/2017 13:01	30.32	76.8	5.90	5.9	SR12	7/31/2017 19:01	30.60	87.1	6.65	5.9
SR12	7/31/2017 1:06	30.33	70.6	5.44	5.8	SR12	7/31/2017 7:06	30.22	77.7	5.97	6.8	SR12	7/31/2017 13:06	30.34	78.7	6.03	4.9	SR12	7/31/2017 19:06	30.59	87.2	6.66	5.4
SR12	7/31/2017 1:11	30.32	68.4	5.29	6.1	SR12	7/31/2017 7:11	30.19	77.8	5.98	6.4	SR12	7/31/2017 13:11	30.36	78.6	6.02	5.8	SR12	7/31/2017 19:11	30.33	87.3	6.67	5.6
SR12	7/31/2017 1:16	30.34	69.3	5.36	4.9	SR12	7/31/2017 7:16	30.22	78.2	6.01	6.3	SR12	7/31/2017 13:16	30.36	77.2	5.91	5.5	SR12	7/31/2017 19:16	30.33	87.3	6.66	6.0
SR12	7/31/2017 1:21	30.34	69.0	5.33	5.9	SR12	7/31/2017 7:21	30.21	78.4	6.03	6.1	SR12	7/31/2017 13:21	30.34	76.7	5.89	5.7	SR12	7/31/2017 19:21	30.31	86.9	6.63	5.8
SR12	7/31/2017 1:26	30.30	68.6	5.29	4.9	SR12	7/31/2017 7:26	30.20	77.0	5.92	5.8	SR12	7/31/2017 13:26	30.33	79.0	6.05	5.8	SR12	7/31/2017 19:26	30.29	86.7	6.63	5.7
SR12	7/31/2017 1:31	30.31	68.8	5.32	5.3	SR12	7/31/2017 7:31	30.21	76.8	5.91	6.3	SR12	7/31/2017 13:31	30.35	77.5	5.96	5.6	SR12	7/31/2017 19:31	30.28	86.2	6.59	5.6
SR12	7/31/2017 1:36	30.29	70.2	5.42	5.3	SR12	7/31/2017 7:36	30.21	76.9	5.93	5.7	SR12	7/31/2017 13:36	30.33	77.7	5.95	5.6	SR12	7/31/2017 19:36	30.27	86.1	6.58	5.1
SR12	7/31/2017 1:41	30.28	71.5	5.51	5.7	SR12	7/31/2017 7:41	30.22	77.1	5.93	6.4	SR12	7/31/2017 13:41	30.38	77.4	5.93	5.1	SR12	7/31/2017 19:41	30.29	86.4	6.61	5.2
SR12	7/31/2017 1:46	30.26	72.1	5.56	5.3	SR12	7/31/2017 7:46	30.21	77.2	5.94	5.8	SR12	7/31/2017 13:46	30.36	80.2	6.15	5.0	SR12	7/31/2017 19:46	30.27	86.6	6.62	5.6
SR12	7/31/2017 1:51	30.24	70.2	5.41	5.2	SR12	7/31/2017 7:51	30.20	76.8	5.91	5.8	SR12	7/31/2017 13:51	30.35	81.0	6.20	5.7	SR12	7/31/2017 19:51	30.24	86.4	6.60	4.8
SR12	7/31/2017 1:56	30.24	71.5	5.51	6.1	SR12	7/31/2017 7:56	30.16	75.6	5.82	6.2	SR12	7/31/2017 13:56	30.39	82.6	6.32	5.7	SR12	7/31/2017 19:56	30.25	86.1	6.58	5.1
SR12	7/31/2017 2:01	30.21	71.8	5.53	5.0	SR12	7/31/2017 8:01	30.19	75.6	5.83	6.0	SR12	7/31/2017 14:01	30.39	83.6	6.39	5.0	SR12	7/31/2017 20:01	30.30	85.5	6.54	5.5
SR12	7/31/2017 2:06	30.21	71.6	5.51	5.4	SR12	7/31/2017 8:06	30.16	75.4	5.81	6.1	SR12	7/31/2017 14:06	30.38	84.0	6.43	5.5	SR12	7/31/2017 20:06	30.30	86.4	6.60	5.2
SR12	7/31/2017 2:11	30.18	70.5	5.45	5.3	SR12	7/31/2017 8:11	30.18	75.1	5.79	5.9	SR12	7/31/2017 14:11	30.39	84.4	6.45	5.7	SR12	7/31/2017 20:11	30.29	85.9	6.57	4.7
SR12	7/31/2017 2:16	30.18	68.6	5.31	5.3	SR12	7/31/2017 8:16	30.17	74.6	5.75	6.0	SR12	7/31/2017 14:16	30.40	84.0	6.42	4.9	SR12	7/31/2017 20:16	30.32	86.1	6.57	4.6
SR12	7/31/2017 2:21	30.18	71.8	5.55	6.0	SR12	7/31/2017 8:21	30.18	74.9	5.78	5.9	SR12	7/31/2017 14:21	30.40	85.3	6.51	5.0	SR12	7/31/2017 20:21	30.31	84.7	6.49	5.3
SR12	7/31/2017 2:26	30.17	71.5	5.52	5.6	SR12	7/31/2017 8:26	30.16	76.0	5.86	6.0	SR12	7/31/2017 14:26	30.41	86.2	6.59	4.3	SR12	7/31/2017 20:26	30.28	85.7	6.55	5.5
SR12	7/31/2017 2:31	30.15	71.2	5.50	5.9	SR12	7/31/2017 8:31	30.13	73.4	5.67	6.0	SR12	7/31/2017 14:31	30.42	85.6	6.53	4.1	SR12	7/31/2017 20:31	30.30	85.9	6.58	4.5
SR12	7/31/2017 2:36	30.17	71.6	5.52	4.9	SR12	7/31/2017 8:36	30.09	73.6	5.68	6.3	SR12	7/31/2017 14:36	30.43	85.7	6.54	4.1	SR12	7/31/2017 20:36	30.33	85.6	6.54	4.7
SR12	7/31/2017 2:41	30.15	72.3	5.58	5.1	SR12	7/31/2017 8:41	30.17	74.2	5.73	6.9	SR12	7/31/2017 14:41	30.44	87.2	6.66	4.6	SR12	7/31/2017 20:41	30.32	85.9	6.58	5.3
SR12	7/31/2017 2:46	30.17	72.9	5.62	5.3	SR12	7/31/2017 8:46	30.17	74.1	5.72	5.5	SR12	7/31/2017 14:46	30.44	86.8	6.63	4.6	SR12	7/31/2017 20:46	30.31	85.5	6.54	4.6
SR12	7/31/2017 2:51	30.16	69.9	5.41	5.5	SR12	7/31/2017 8:51	30.19	76.5	5.89	6.5	SR12	7/31/2017 14:51	30.45	86.8	6.63	5.3	SR12	7/31/2017 20:51	30.33	85.4	6.54	5.4
SR12	7/31/2017 2:56	30.15	71.6	5.53	5.9	SR12	7/31/2017 8:56	30.18	77.8	5.98	6.9	SR12	7/31/2017 14:56	30.45	87.2	6.65	5.2	SR12	7/31/2017 20:56	30.33	84.9	6.50	6.1
SR12	7/31/2017 3:01	30.14	70.1	5.41	5.6	SR12	7/31/2017 9:01	30.17	77.2	5.95	6.1	SR12	7/31/2017 15:01	30.46	87.0	6.64	6.1	SR12	7/31/2017 21:01	30.34	84.1	6.44	5.8
SR12	7/31/2017 3:06	30.11	70.9	5.48	5.7	SR12	7/31/2017 9:06	30.17	76.9	5.93	6.7	SR12	7/31/2017 15:06	30.47	86.8	6.63	5.4	SR12	7/31/2017 21:06	30.33	83.2	6.39	5.9
SR12	7/31/2017 3:11	30.12	69.9	5.41	2.9	SR12	7/31/2017 9:11	30.16	77.4	5.97	6.2	SR12	7/31/2017 15:11	30.48	87.4	6.67	5.5	SR12	7/31/2017 21:11	30.32	84.2	6.45	5.5
SR12	7/31/2017 3:16	30.14	71.2	5.51	3.7	SR12	7/31/2017 9:16	30.17	76.8	5.92	5.3	SR12	7/31/2017 15:16	30.45	87.2	6.65	5.7	SR12	7/31/2017 21:16	30.33	84.1	6.45	6.1
SR12	7/31/2017 3:21	30.15	72.1	5.56	2.8	SR12	7/31/2017 9:21	30.17	77.5	5.96	5.9	SR12	7/31/2017 15:21	30.49	86.4	6.60	4.7	SR12	7/31/2017 21:21	30.33	83.8	6.42	5.9
SR12	7/31/2017 3:26	30.22	73.3	5.66	5.6	SR12	7/31/2017 9:26	30.12	77.7	5.99	5.3	SR12	7/31/2017 15:26	30.48	86.8	6.63	5.7	SR12	7/31/2017 21:26	30.31	84.0	6.43	6.0
SR12	7/31/2017 3:31	30.28	75.6	5.82	4.8	SR12	7/31/2017 9:31	30.13	78.4	6.04	5.5	SR12	7/31/2017 15:31	30.48	86.6	6.60	5.2	SR12	7/31/2017 21:31	30.32	84.3	6.47	5.9
SR12	7/31/2017 3:36	30.36	76.0	5.84	5.2	SR12	7/31/2017 9:36	30.12	79.1	6.10	6.1	SR12	7/31/2017 15:36	30.50	87.2	6.66	5.6	SR12	7/31/2017 21:36	30.34	84.4	6.46	5.3
SR12	7/31/2017 3:41	30.35	76.0	5.84	5.2	SR12	7/31/2017 9:41	30.11	79.0	6.08	6.2	SR12	7/31/2017 15:41	30.50	86.9	6.63	6.1	SR12	7/31/2017 21:41	30.32	83.9	6.44	6.0
SR12	7/31/2017 3:46	30.35	75.4	5.80	5.2	SR12	7/31/2017 9:46	30.13	78.7	6.06	5.8	SR12	7/31/2017 15:46	30.49	87.3	6.67	5.8	SR12	7/31/2017 21:46	30.32	83.5	6.41	5.5
SR12	7/31/2017 3:51	30.30	76.0	5.84	5.6	SR12	7/31/2017 9:51	30.11	77.0	5.94	5.7	SR12	7/31/2017 15:51	30.51	87.1	6.65	5.7						

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	7/31/2017 0:00	30.73	73.9	5.79	7.5	SR13	7/31/2017 6:00	30.40	77.9	6.10	6.4	SR13	7/31/2017 12:00	30.33	76.2	5.96	7.6	SR13	7/31/2017 18:00	30.14	89.3	6.92	6.6
SR13	7/31/2017 0:05	30.73	73.9	5.79	6.6	SR13	7/31/2017 6:05	30.36	78.6	6.16	6.6	SR13	7/31/2017 12:05	30.39	76.4	5.97	8.3	SR13	7/31/2017 18:05	30.15	89.2	6.91	6.3
SR13	7/31/2017 0:10	30.72	73.5	5.76	6.8	SR13	7/31/2017 6:10	30.35	78.4	6.14	6.4	SR13	7/31/2017 12:10	30.40	78.2	6.11	7.8	SR13	7/31/2017 18:10	30.15	89.2	6.95	6.4
SR13	7/31/2017 0:15	30.72	73.3	5.74	7.8	SR13	7/31/2017 6:15	30.34	78.4	6.14	7.2	SR13	7/31/2017 12:15	30.38	78.2	6.11	7.5	SR13	7/31/2017 18:15	30.13	89.0	6.92	6.3
SR13	7/31/2017 0:20	30.72	72.0	5.64	7.0	SR13	7/31/2017 6:20	30.34	78.5	6.15	7.1	SR13	7/31/2017 12:20	30.38	80.1	6.25	7.7	SR13	7/31/2017 18:20	30.11	89.1	6.93	6.5
SR13	7/31/2017 0:25	30.71	72.0	5.65	7.5	SR13	7/31/2017 6:25	30.36	77.0	6.04	6.8	SR13	7/31/2017 12:25	30.34	79.5	6.20	7.5	SR13	7/31/2017 18:25	30.08	89.4	6.93	6.7
SR13	7/31/2017 0:30	30.71	71.7	5.62	6.9	SR13	7/31/2017 6:30	30.37	77.6	6.08	7.5	SR13	7/31/2017 12:30	30.34	79.1	6.17	8.3	SR13	7/31/2017 18:30	30.07	89.4	6.94	6.2
SR13	7/31/2017 0:35	30.70	72.0	5.65	7.6	SR13	7/31/2017 6:35	30.35	77.6	6.08	7.1	SR13	7/31/2017 12:35	30.33	78.4	6.13	6.9	SR13	7/31/2017 18:35	30.08	88.9	6.90	6.2
SR13	7/31/2017 0:40	30.73	72.1	5.66	7.8	SR13	7/31/2017 6:40	30.36	78.6	6.16	6.9	SR13	7/31/2017 12:40	30.28	78.3	6.12	8.1	SR13	7/31/2017 18:40	30.09	88.8	6.91	6.4
SR13	7/31/2017 0:45	30.72	73.0	5.73	7.1	SR13	7/31/2017 6:45	30.34	78.6	6.16	7.3	SR13	7/31/2017 12:45	30.29	79.5	6.21	7.2	SR13	7/31/2017 18:45	30.09	88.8	6.92	6.8
SR13	7/31/2017 0:50	30.72	72.1	5.66	8.0	SR13	7/31/2017 6:50	30.36	78.8	6.18	6.9	SR13	7/31/2017 12:50	30.27	79.2	6.19	8.0	SR13	7/31/2017 18:50	30.11	88.8	6.89	6.9
SR13	7/31/2017 0:55	30.72	71.8	5.63	6.7	SR13	7/31/2017 6:55	30.36	78.9	6.19	6.7	SR13	7/31/2017 12:55	30.26	77.6	6.06	7.6	SR13	7/31/2017 18:55	30.10	89.2	6.94	6.6
SR13	7/31/2017 1:00	30.72	72.7	5.70	7.2	SR13	7/31/2017 7:00	30.34	78.9	6.18	7.5	SR13	7/31/2017 13:00	30.27	79.2	6.19	7.6	SR13	7/31/2017 19:00	30.06	89.1	6.91	6.7
SR13	7/31/2017 1:05	30.72	72.6	5.69	7.1	SR13	7/31/2017 7:05	30.38	79.0	6.18	6.6	SR13	7/31/2017 13:05	30.30	80.5	6.28	7.8	SR13	7/31/2017 19:05	30.09	89.2	6.92	6.6
SR13	7/31/2017 1:10	30.71	71.2	5.59	7.5	SR13	7/31/2017 7:10	30.36	79.2	6.20	7.6	SR13	7/31/2017 13:10	30.28	81.3	6.34	7.2	SR13	7/31/2017 19:10	30.09	89.3	6.93	6.3
SR13	7/31/2017 1:15	30.73	71.3	5.61	6.9	SR13	7/31/2017 7:15	30.39	79.6	6.24	6.7	SR13	7/31/2017 13:15	30.29	79.4	6.18	7.2	SR13	7/31/2017 19:15	30.10	89.3	6.93	6.6
SR13	7/31/2017 1:20	30.73	71.1	5.59	7.3	SR13	7/31/2017 7:20	30.38	79.6	6.23	6.7	SR13	7/31/2017 13:20	30.29	79.1	6.17	7.6	SR13	7/31/2017 19:20	30.10	89.1	6.91	6.0
SR13	7/31/2017 1:25	30.70	71.5	5.61	7.5	SR13	7/31/2017 7:25	30.37	79.0	6.19	7.0	SR13	7/31/2017 13:25	30.28	80.4	6.27	7.7	SR13	7/31/2017 19:25	30.08	89.1	6.93	6.3
SR13	7/31/2017 1:30	30.71	71.0	5.58	6.8	SR13	7/31/2017 7:30	30.39	79.0	6.19	7.1	SR13	7/31/2017 13:30	30.26	79.6	6.23	7.2	SR13	7/31/2017 19:30	30.07	88.8	6.91	6.8
SR13	7/31/2017 1:35	30.69	71.1	5.58	7.4	SR13	7/31/2017 7:35	30.38	79.0	6.20	7.2	SR13	7/31/2017 13:35	30.24	79.7	6.21	7.5	SR13	7/31/2017 19:35	30.08	88.8	6.90	6.9
SR13	7/31/2017 1:40	30.69	72.4	5.68	7.1	SR13	7/31/2017 7:40	30.40	79.1	6.19	6.9	SR13	7/31/2017 13:40	30.24	79.7	6.20	6.7	SR13	7/31/2017 19:40	30.09	89.0	6.92	6.1
SR13	7/31/2017 1:45	30.68	72.2	5.66	7.1	SR13	7/31/2017 7:45	30.39	79.6	6.24	6.8	SR13	7/31/2017 13:45	30.23	81.2	6.35	7.7	SR13	7/31/2017 19:45	30.06	89.1	6.94	6.8
SR13	7/31/2017 1:50	30.68	71.2	5.59	7.8	SR13	7/31/2017 7:50	30.40	79.1	6.20	6.5	SR13	7/31/2017 13:50	30.22	81.7	6.37	7.2	SR13	7/31/2017 19:50	30.02	89.0	6.93	6.7
SR13	7/31/2017 1:55	30.68	71.6	5.62	7.2	SR13	7/31/2017 7:55	30.38	76.8	6.02	7.1	SR13	7/31/2017 13:55	30.21	82.5	6.43	6.6	SR13	7/31/2017 19:55	30.01	88.9	6.91	6.8
SR13	7/31/2017 2:00	30.67	72.3	5.68	7.6	SR13	7/31/2017 8:00	30.39	77.8	6.11	7.1	SR13	7/31/2017 14:00	30.17	83.1	6.48	7.0	SR13	7/31/2017 20:00	30.00	88.6	6.89	5.8
SR13	7/31/2017 2:05	30.67	71.9	5.64	6.7	SR13	7/31/2017 8:05	30.38	77.6	6.09	7.2	SR13	7/31/2017 14:05	30.16	83.4	6.50	6.6	SR13	7/31/2017 20:05	29.96	89.1	6.93	6.5
SR13	7/31/2017 2:10	30.64	71.3	5.61	7.3	SR13	7/31/2017 8:10	30.42	77.8	6.10	6.2	SR13	7/31/2017 14:10	30.19	83.6	6.50	7.2	SR13	7/31/2017 20:10	29.93	88.9	6.91	6.6
SR13	7/31/2017 2:15	30.64	70.4	5.54	7.3	SR13	7/31/2017 8:15	30.41	77.2	6.06	6.1	SR13	7/31/2017 14:15	30.23	83.5	6.50	6.8	SR13	7/31/2017 20:15	29.96	89.0	6.92	5.9
SR13	7/31/2017 2:20	30.66	71.9	5.65	7.6	SR13	7/31/2017 8:20	30.42	78.5	6.17	7.0	SR13	7/31/2017 14:20	30.24	84.3	6.55	7.0	SR13	7/31/2017 20:20	29.95	88.3	6.87	6.3
SR13	7/31/2017 2:25	30.65	71.4	5.61	8.1	SR13	7/31/2017 8:25	30.40	76.9	6.04	7.3	SR13	7/31/2017 14:25	30.25	84.8	6.62	6.8	SR13	7/31/2017 20:25	29.95	88.9	6.91	6.9
SR13	7/31/2017 2:30	30.63	71.5	5.62	7.5	SR13	7/31/2017 8:30	30.40	75.5	5.94	7.2	SR13	7/31/2017 14:30	30.26	84.6	6.57	7.4	SR13	7/31/2017 20:30	29.97	89.0	6.94	6.0
SR13	7/31/2017 2:35	30.65	71.5	5.62	8.3	SR13	7/31/2017 8:35	30.37	73.0	5.74	7.1	SR13	7/31/2017 14:35	30.25	84.7	6.60	7.8	SR13	7/31/2017 20:35	30.00	88.8	6.92	6.4
SR13	7/31/2017 2:40	30.62	72.6	5.70	4.5	SR13	7/31/2017 8:40	30.42	77.6	6.10	6.9	SR13	7/31/2017 14:40	30.25	85.6	6.67	7.4	SR13	7/31/2017 20:40	29.98	89.0	6.95	6.3
SR13	7/31/2017 2:45	30.63	73.1	5.74	5.5	SR13	7/31/2017 8:45	30.10	78.3	6.15	6.2	SR13	7/31/2017 14:45	30.26	85.4	6.66	8.0	SR13	7/31/2017 20:45	29.99	88.8	6.91	6.4
SR13	7/31/2017 2:50	30.64	71.2	5.60	4.5	SR13	7/31/2017 8:50	30.05	79.8	6.26	7.0	SR13	7/31/2017 14:50	30.23	85.5	6.66	6.7	SR13	7/31/2017 20:50	29.98	88.8	6.92	6.5
SR13	7/31/2017 2:55	30.61	71.3	5.60	7.3	SR13	7/31/2017 8:55	30.07	80.4	6.30	6.5	SR13	7/31/2017 14:55	30.20	85.8	6.69	7.5	SR13	7/31/2017 20:55	29.95	88.5	6.91	6.3
SR13	7/31/2017 3:00	30.62	70.7	5.56	6.8	SR13	7/31/2017 9:00	30.06	80.0	6.27	6.7	SR13	7/31/2017 15:00	30.15	85.8	6.67	6.8	SR13	7/31/2017 21:00	29.91	88.1	6.88	6.7
SR13	7/31/2017 3:05	30.60	70.9	5.58	6.7	SR13	7/31/2017 9:05	30.08	80.1	6.28	7.2	SR13	7/31/2017 15:05	30.09	85.8	6.69	7.8	SR13	7/31/2017 21:05	29.90	87.6	6.86	6.1
SR13	7/31/2017 3:10	30.62	70.8	5.57	7.3	SR13	7/31/2017 9:10	30.08	80.5	6.32	7.3	SR13	7/31/2017 15:10	30.09	86.2	6.70	7.8	SR13	7/31/2017 21:10	29.83	88.2	6.89	6.4
SR13	7/31/2017 3:15	30.63	71.9	5.66	7.5	SR13	7/31/2017 9:15	30.05	80.1	6.29	6.8	SR13	7/31/2017 15:15	30.15	86.2	6.71	7.3	SR13	7/31/2017 21:15	29.78	88.1	6.87	6.3
SR13	7/31/2017 3:20	30.62	72.5	5.70	7.5	SR13	7/31/2017 9:20	30.04	80.5	6.31	6.7	SR13	7/31/2017 15:20	30.19	85.8	6.68	6.8	SR13	7/31/2017 21:20	29.82	88.0	6.86	5.7
SR13	7/31/2017 3:25	30.63	74.4	5.84	6.8	SR13	7/31/2017 9:25	30.02	80.3	6.30	7.2	SR13	7/31/2017 15:25	30.20	86.1	6.70	6.5	SR13	7/31/2017 21:25	29.83	88.1	6.87	6.6
SR13	7/31/2017 3:30	30.65	77.0	6.04	7.6	SR13	7/31/2017 9:30	30.01	80.5	6.32	6.7	SR13	7/31/2017 15:30	30.23	86.1	6.69	7.5	SR13	7/31/2017 21:30	29.74	88.2	6.91	6.8
SR13	7/31/2017 3:35	30.67	78.2	6.11	7.9	SR13	7/31/2017 9:35	30.04	80.7	6.33	6.9	SR13	7/31/2017 15:35	30.20	86.5	6.73	7.3	SR13	7/31/2017 21:35	29.70	88.3	6.89	6.3
SR13	7/31/2017 3:40	30.66	78.3	6.12	7.0	SR13	7/31/2017 9:40	30.04	80.1	6.28	6.9	SR13	7/31/2017 15:40	30.22	86.4	6.72	7.8	SR13	7/31/2017 21:40	29.68	88.1	6.89	5.8
SR13	7/31/2017 3:45	30.68	77.6	6.07	7.5	SR13	7/31/2017 9:45	30.02	80.3	6.30	7.3	SR13	7/31/2017 15:45	30.25	86.7	6.76	6.5	SR13	7/31/2017 21:45	29.69	87.8	6.86	6.2
SR13	7/31/2017 3:50	30.63	76.8	6.01	7.6	SR13	7/31/2017 9:50	30.01	78.5	6.16	7.5	SR13	7/31/2017 15:50	30.24									

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	7/31/2017 0:17	0.07				SR12	7/31/2017 0:17	0.13			
SR4	7/31/2017 0:37	0.07				SR12	7/31/2017 0:37	0.13			
SR4	7/31/2017 0:57	0.06				SR12	7/31/2017 0:57	0.12			
SR4	7/31/2017 1:17	0.08				SR12	7/31/2017 1:17	0.15			
SR4	7/31/2017 1:37	0.07				SR12	7/31/2017 1:37	0.15			
SR4	7/31/2017 1:57	0.07				SR12	7/31/2017 1:57	0.15			
SR4	7/31/2017 2:17	0.06				SR12	7/31/2017 2:17	0.12			
SR4	7/31/2017 2:37	0.06				SR12	7/31/2017 2:37	0.14			
SR4	7/31/2017 2:57	0.06				SR12	7/31/2017 2:57	0.12			
SR4	7/31/2017 3:17	0.07				SR12	7/31/2017 3:17	0.13			
SR4	7/31/2017 3:37	0.08				SR12	7/31/2017 3:37	0.15			
SR4	7/31/2017 3:57	0.08				SR12	7/31/2017 3:57	0.14			
SR4	7/31/2017 4:17	0.08				SR12	7/31/2017 4:17	0.14			
SR4	7/31/2017 4:37	0.08				SR12	7/31/2017 4:37	0.12			
SR4	7/31/2017 4:57	0.07				SR12	7/31/2017 4:57	0.11			
SR4	7/31/2017 5:17	0.08				SR12	7/31/2017 5:17	0.12			
SR4	7/31/2017 5:37	0.07				SR12	7/31/2017 5:37	0.10			
SR4	7/31/2017 5:57	0.07				SR12	7/31/2017 5:57	0.11			
SR4						SR12					
SR4	7/31/2017 6:37	0.06				SR12	7/31/2017 6:37	0.11			
SR4	7/31/2017 6:57	0.08				SR12	7/31/2017 6:57	0.10			
SR4	7/31/2017 7:17	0.06				SR12	7/31/2017 7:17	0.08			
SR4	7/31/2017 7:37	0.07				SR12	7/31/2017 7:37	0.10			
SR4	7/31/2017 7:57	0.08				SR12	7/31/2017 7:57	0.09			
SR4	7/31/2017 8:17	0.07				SR12	7/31/2017 8:17	0.10			
SR4	7/31/2017 8:37	0.06				SR12	7/31/2017 8:37	0.08			
SR4	7/31/2017 8:57	0.06				SR12	7/31/2017 8:57	0.08			
SR4	7/31/2017 9:17	0.06				SR12	7/31/2017 9:17	0.09			
SR4	7/31/2017 9:37	0.07				SR12	7/31/2017 9:37	0.08			
SR4	7/31/2017 9:57	0.06				SR12					
SR4	7/31/2017 10:17	0.06				SR12					
SR4	7/31/2017 10:37	0.07				SR12					
SR4	7/31/2017 10:57	0.06				SR12					
SR4	7/31/2017 11:17	0.08				SR12	7/31/2017 11:17	0.08			
SR4	7/31/2017 11:37	0.07				SR12	7/31/2017 11:37	0.07			
SR4	7/31/2017 11:57	0.07				SR12	7/31/2017 11:57	0.05			
SR4						SR12	7/31/2017 12:17	0.05			
SR4						SR12	7/31/2017 12:37	0.07			
SR4						SR12	7/31/2017 12:57	0.07			
SR4						SR12	7/31/2017 13:17	0.05			
SR4	7/31/2017 13:37	0.06				SR12	7/31/2017 13:37	0.07			
SR4	7/31/2017 13:57	0.08				SR12	7/31/2017 13:57	0.05			
SR4	7/31/2017 14:17	0.07				SR12	7/31/2017 14:17	0.05			
SR4	7/31/2017 14:37	0.06				SR12	7/31/2017 14:37	0.06			
SR4	7/31/2017 14:57	0.06				SR12	7/31/2017 14:57	0.08			
SR4	7/31/2017 15:17	0.04				SR12	7/31/2017 15:17	0.08			
SR4	7/31/2017 15:37	0.03				SR12	7/31/2017 15:37	0.06			
SR4	7/31/2017 15:57	0.05				SR12	7/31/2017 15:57	0.07			
SR4	7/31/2017 16:17	0.03				SR12	7/31/2017 16:17	0.07			
SR4	7/31/2017 16:37	0.05				SR12	7/31/2017 16:37	0.06			
SR4	7/31/2017 16:57	0.04				SR12	7/31/2017 16:57	0.07			
SR4	7/31/2017 17:17	0.04				SR12	7/31/2017 17:17	0.07			
SR4	7/31/2017 17:37	0.04				SR12	7/31/2017 17:37	0.07			
SR4	7/31/2017 17:57	0.03				SR12	7/31/2017 17:57	0.08			
SR4	7/31/2017 18:17	0.04				SR12	7/31/2017 18:17	0.05			
SR4	7/31/2017 18:37	0.05				SR12	7/31/2017 18:37	0.07			
SR4	7/31/2017 18:57	0.04				SR12	7/31/2017 18:57	0.06			
SR4	7/31/2017 19:17	0.05				SR12	7/31/2017 19:17	0.08			
SR4	7/31/2017 19:37	0.04				SR12	7/31/2017 19:37	0.06			
SR4	7/31/2017 19:57	0.03				SR12	7/31/2017 19:57	0.06			
SR4	7/31/2017 20:17	0.04				SR12	7/31/2017 20:17	0.05			
SR4	7/31/2017 20:37	0.05				SR12	7/31/2017 20:37	0.08			
SR4	7/31/2017 20:57	0.05				SR12	7/31/2017 20:57	0.06			
SR4	7/31/2017 21:17	0.05				SR12	7/31/2017 21:17	0.05			
SR4	7/31/2017 21:37	0.03				SR12	7/31/2017 21:37	0.07			
SR4	7/31/2017 21:57	0.05				SR12	7/31/2017 21:57	0.06			
SR4	7/31/2017 22:17	0.03				SR12	7/31/2017 22:17	0.07			
SR4	7/31/2017 22:37	0.05				SR12	7/31/2017 22:37	0.08			
SR4	7/31/2017 22:57	0.03				SR12	7/31/2017 22:57	0.05			
SR4	7/31/2017 23:17	0.05				SR12	7/31/2017 23:17	0.05			
SR4	7/31/2017 23:37	0.04				SR12	7/31/2017 23:37	0.04			
SR4	7/31/2017 23:57	0.04				SR12	7/31/2017 23:57	0.05			

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 12:06-13:16.

SR12 monitoring station was under maintenance during 9:51-10:56.

SR13 monitoring station was under maintenance during 16:00-16:25.











24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/1/2017 0:17	0.03				SR12	8/1/2017 0:17	0.05			
SR4	8/1/2017 0:37	0.04				SR12	8/1/2017 0:37	0.02			
SR4	8/1/2017 0:57	0.03				SR12	8/1/2017 0:57	0.05			
SR4	8/1/2017 1:17	0.03				SR12	8/1/2017 1:17	0.04			
SR4	8/1/2017 1:37	0.02				SR12	8/1/2017 1:37	0.03			
SR4	8/1/2017 1:57	0.01				SR12	8/1/2017 1:57	0.01			
SR4	8/1/2017 2:17	0.02				SR12	8/1/2017 2:17	0.04			
SR4	8/1/2017 2:37	0.02				SR12	8/1/2017 2:37	0.05			
SR4	8/1/2017 2:57	0.03				SR12	8/1/2017 2:57	0.04			
SR4	8/1/2017 3:17	0.01				SR12	8/1/2017 3:17	0.04			
SR4	8/1/2017 3:37	0.01				SR12	8/1/2017 3:37	0.03			
SR4	8/1/2017 3:57	0.01				SR12	8/1/2017 3:57	0.05			
SR4	8/1/2017 4:17	0.04				SR12	8/1/2017 4:17	0.05			
SR4	8/1/2017 4:37	0.04				SR12	8/1/2017 4:37	0.01			
SR4	8/1/2017 4:57	0.02				SR12	8/1/2017 4:57	0.05			
SR4	8/1/2017 5:17	0.02				SR12	8/1/2017 5:17	0.03			
SR4	8/1/2017 5:37	0.04				SR12	8/1/2017 5:37	0.04			
SR4	8/1/2017 5:57	0.04				SR12	8/1/2017 5:57	0.03			
SR4						SR12					
SR4	8/1/2017 6:37	0.02				SR12	8/1/2017 6:37	0.03			
SR4	8/1/2017 6:57	0.01				SR12	8/1/2017 6:57	0.04			
SR4	8/1/2017 7:17	0.01				SR12	8/1/2017 7:17	0.05			
SR4	8/1/2017 7:37	0.04				SR12	8/1/2017 7:37	0.04			
SR4	8/1/2017 7:57	0.03				SR12	8/1/2017 7:57	0.03			
SR4	8/1/2017 8:17	0.04				SR12	8/1/2017 8:17	0.01			
SR4	8/1/2017 8:37	0.04				SR12	8/1/2017 8:37	0.04			
SR4	8/1/2017 8:57	0.03				SR12	8/1/2017 8:57	0.01			
SR4	8/1/2017 9:17	0.04				SR12	8/1/2017 9:17	0.02			
SR4	8/1/2017 9:37	0.04				SR12	8/1/2017 9:37	0.02			
SR4	8/1/2017 9:57	0.02				SR12	8/1/2017 9:57	0.04			
SR4	8/1/2017 10:17	0.03				SR12	8/1/2017 10:17	0.04			
SR4	8/1/2017 10:37	0.04				SR12	8/1/2017 10:37	0.01			
SR4	8/1/2017 10:57	0.01				SR12	8/1/2017 10:57	0.02			
SR4	8/1/2017 11:17	0.02				SR12	8/1/2017 11:17	0.03			
SR4	8/1/2017 11:37	0.02				SR12	8/1/2017 11:37	0.03			
SR4	8/1/2017 11:57	0.04				SR12	8/1/2017 11:57	0.03			
SR4	8/1/2017 12:17	0.03				SR12	8/1/2017 12:17	0.03			
SR4	8/1/2017 12:37	0.02				SR12	8/1/2017 12:37	0.01			
SR4	8/1/2017 12:57	0.02				SR12	8/1/2017 12:57	0.02			
SR4	8/1/2017 13:17	0.01				SR12	8/1/2017 13:17	0.03			
SR4	8/1/2017 13:37	0.04				SR12	8/1/2017 13:37	0.05			
SR4	8/1/2017 13:57	0.01				SR12	8/1/2017 13:57	0.01			
SR4	8/1/2017 14:17	0.02				SR12	8/1/2017 14:17	0.04			
SR4	8/1/2017 14:37	0.02				SR12	8/1/2017 14:37	0.05			
SR4	8/1/2017 14:57	0.01				SR12	8/1/2017 14:57	0.02			
SR4	8/1/2017 15:17	0.04				SR12	8/1/2017 15:17	0.03			
SR4	8/1/2017 15:37	0.02				SR12	8/1/2017 15:37	0.02			
SR4	8/1/2017 15:57	0.03				SR12	8/1/2017 15:57	0.04			
SR4	8/1/2017 16:17	0.01				SR12	8/1/2017 16:17	0.01			
SR4	8/1/2017 16:37	0.03				SR12	8/1/2017 16:37	0.04			
SR4	8/1/2017 16:57	0.02				SR12	8/1/2017 16:57	0.03			
SR4	8/1/2017 17:17	0.01				SR12	8/1/2017 17:17	0.02			
SR4	8/1/2017 17:37	0.03				SR12	8/1/2017 17:37	0.01			
SR4	8/1/2017 17:57	0.04				SR12	8/1/2017 17:57	0.04			
SR4	8/1/2017 18:17	0.07				SR12	8/1/2017 18:17	0.04			
SR4	8/1/2017 18:37	0.07				SR12	8/1/2017 18:37	0.07			
SR4	8/1/2017 18:57	0.06				SR12	8/1/2017 18:57	0.08			
SR4	8/1/2017 19:17	0.05				SR12	8/1/2017 19:17	0.04			
SR4	8/1/2017 19:37	0.04				SR12	8/1/2017 19:37	0.09			
SR4	8/1/2017 19:57	0.09				SR12	8/1/2017 19:57	0.07			
SR4	8/1/2017 20:17	0.09				SR12	8/1/2017 20:17	0.06			
SR4	8/1/2017 20:37	0.04				SR12	8/1/2017 20:37	0.09			
SR4	8/1/2017 20:57	0.09				SR12	8/1/2017 20:57	0.08			
SR4	8/1/2017 21:17	0.04				SR12	8/1/2017 21:17	0.04			
SR4	8/1/2017 21:37	0.06				SR12	8/1/2017 21:37	0.04			
SR4	8/1/2017 21:57	0.05				SR12	8/1/2017 21:57	0.05			
SR4	8/1/2017 22:17	0.08				SR12	8/1/2017 22:17	0.05			
SR4	8/1/2017 22:37	0.09				SR12	8/1/2017 22:37	0.04			
SR4	8/1/2017 22:57	0.05				SR12	8/1/2017 22:57	0.05			
SR4	8/1/2017 23:17	0.06				SR12	8/1/2017 23:17	0.08			
SR4	8/1/2017 23:37	0.07				SR12	8/1/2017 23:37	0.08			
SR4	8/1/2017 23:57	0.09				SR12	8/1/2017 23:57	0.07			

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 10:20-10:40.









24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/2/2017 0:17	0.07				SR12	8/2/2017 0:17	0.09			
SR4	8/2/2017 0:37	0.08				SR12	8/2/2017 0:37	0.09			
SR4	8/2/2017 0:57	0.08				SR12	8/2/2017 0:57	0.11			
SR4	8/2/2017 1:17	0.08				SR12	8/2/2017 1:17	0.11			
SR4	8/2/2017 1:37	0.06				SR12	8/2/2017 1:37	0.08			
SR4	8/2/2017 1:57	0.08				SR12	8/2/2017 1:57	0.08			
SR4	8/2/2017 2:17	0.04				SR12	8/2/2017 2:17	0.11			
SR4	8/2/2017 2:37	0.09				SR12	8/2/2017 2:37	0.10			
SR4	8/2/2017 2:57	0.09				SR12	8/2/2017 2:57	0.08			
SR4	8/2/2017 3:17	0.06				SR12	8/2/2017 3:17	0.09			
SR4	8/2/2017 3:37	0.09				SR12	8/2/2017 3:37	0.10			
SR4	8/2/2017 3:57	0.06				SR12	8/2/2017 3:57	0.11			
SR4	8/2/2017 4:17	0.06				SR12	8/2/2017 4:17	0.12			
SR4	8/2/2017 4:37	0.05				SR12	8/2/2017 4:37	0.10			
SR4	8/2/2017 4:57	0.04				SR12	8/2/2017 4:57	0.11			
SR4	8/2/2017 5:17	0.06				SR12	8/2/2017 5:17	0.11			
SR4	8/2/2017 5:37	0.08				SR12	8/2/2017 5:37	0.09			
SR4	8/2/2017 5:57	0.06				SR12	8/2/2017 5:57	0.08			
SR4						SR12					
SR4	8/2/2017 6:37	0.06				SR12	8/2/2017 6:37	0.09			
SR4	8/2/2017 6:57	0.08				SR12	8/2/2017 6:57	0.12			
SR4	8/2/2017 7:17	0.05				SR12	8/2/2017 7:17	0.10			
SR4	8/2/2017 7:37	0.06				SR12	8/2/2017 7:37	0.11			
SR4	8/2/2017 7:57	0.06				SR12	8/2/2017 7:57	0.11			
SR4	8/2/2017 8:17	0.06				SR12	8/2/2017 8:17	0.09			
SR4	8/2/2017 8:37	0.07				SR12	8/2/2017 8:37	0.12			
SR4	8/2/2017 8:57	0.07				SR12	8/2/2017 8:57	0.09			
SR4	8/2/2017 9:17	0.09				SR12	8/2/2017 9:17	0.11			
SR4	8/2/2017 9:37	0.09				SR12	8/2/2017 9:37	0.11			
SR4	8/2/2017 9:57	0.05				SR12	8/2/2017 9:57	0.11			
SR4						SR12	8/2/2017 10:17	0.09			
SR4						SR12	8/2/2017 10:37	0.12			
SR4						SR12	8/2/2017 10:57	0.08			
SR4						SR12	8/2/2017 11:17	0.09			
SR4						SR12	8/2/2017 11:37	0.10			
SR4	8/2/2017 11:57	0.11				SR12	8/2/2017 11:57	0.11			
SR4	8/2/2017 12:17	0.11				SR12	8/2/2017 12:17	0.09			
SR4	8/2/2017 12:37	0.08				SR12	8/2/2017 12:37	0.08			
SR4	8/2/2017 12:57	0.08				SR12	8/2/2017 12:57	0.12			
SR4	8/2/2017 13:17	0.09				SR12					
SR4	8/2/2017 13:37	0.09				SR12					
SR4	8/2/2017 13:57	0.08				SR12					
SR4	8/2/2017 14:17	0.11				SR12					
SR4	8/2/2017 14:37	0.10				SR12	8/2/2017 14:37	0.13			
SR4	8/2/2017 14:57	0.08				SR12	8/2/2017 14:57	0.14			
SR4	8/2/2017 15:17	0.12				SR12	8/2/2017 15:17	0.13			
SR4	8/2/2017 15:37	0.12				SR12	8/2/2017 15:37	0.11			
SR4	8/2/2017 15:57	0.08				SR12	8/2/2017 15:57	0.14			
SR4	8/2/2017 16:17	0.09				SR12	8/2/2017 16:17	0.13			
SR4	8/2/2017 16:37	0.10				SR12	8/2/2017 16:37	0.12			
SR4	8/2/2017 16:57	0.08				SR12	8/2/2017 16:57	0.11			
SR4	8/2/2017 17:17	0.09				SR12	8/2/2017 17:17	0.11			
SR4	8/2/2017 17:37	0.11				SR12	8/2/2017 17:37	0.11			
SR4	8/2/2017 17:57	0.10				SR12	8/2/2017 17:57	0.13			
SR4	8/2/2017 18:17	0.10				SR12	8/2/2017 18:17	0.12			
SR4	8/2/2017 18:37	0.10				SR12	8/2/2017 18:37	0.13			
SR4	8/2/2017 18:57	0.10				SR12	8/2/2017 18:57	0.12			
SR4	8/2/2017 19:17	0.10				SR12	8/2/2017 19:17	0.14			
SR4	8/2/2017 19:37	0.09				SR12	8/2/2017 19:37	0.13			
SR4	8/2/2017 19:57	0.11				SR12	8/2/2017 19:57	0.13			
SR4	8/2/2017 20:17	0.10				SR12	8/2/2017 20:17	0.11			
SR4	8/2/2017 20:37	0.08				SR12	8/2/2017 20:37	0.11			
SR4	8/2/2017 20:57	0.11				SR12	8/2/2017 20:57	0.12			
SR4	8/2/2017 21:17	0.08				SR12	8/2/2017 21:17	0.12			
SR4	8/2/2017 21:37	0.10				SR12	8/2/2017 21:37	0.11			
SR4	8/2/2017 21:57	0.08				SR12	8/2/2017 21:57	0.13			
SR4	8/2/2017 22:17	0.10				SR12	8/2/2017 22:17	0.14			
SR4	8/2/2017 22:37	0.08				SR12	8/2/2017 22:37	0.13			
SR4	8/2/2017 22:57	0.08				SR12	8/2/2017 22:57	0.13			
SR4	8/2/2017 23:17	0.11				SR12	8/2/2017 23:17	0.12			
SR4	8/2/2017 23:37	0.10				SR12	8/2/2017 23:37	0.13			
SR4	8/2/2017 23:57	0.12				SR12	8/2/2017 23:57	0.13			

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 10:16-11:21.

SR12 monitoring station was under maintenance during 13:11-14:16.











24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/3/2017 0:17	0.15				SR12	8/3/2017 0:17	0.14			
SR4	8/3/2017 0:37	0.16				SR12	8/3/2017 0:37	0.14			
SR4	8/3/2017 0:57	0.16				SR12	8/3/2017 0:57	0.13			
SR4	8/3/2017 1:17	0.16				SR12	8/3/2017 1:17	0.13			
SR4	8/3/2017 1:37	0.18				SR12	8/3/2017 1:37	0.12			
SR4	8/3/2017 1:57	0.17				SR12	8/3/2017 1:57	0.13			
SR4	8/3/2017 2:17	0.19				SR12	8/3/2017 2:17	0.12			
SR4	8/3/2017 2:37	0.16				SR12	8/3/2017 2:37	0.12			
SR4	8/3/2017 2:57	0.15				SR12	8/3/2017 2:57	0.13			
SR4	8/3/2017 3:17	0.19				SR12	8/3/2017 3:17	0.15			
SR4	8/3/2017 3:37	0.19				SR12	8/3/2017 3:37	0.13			
SR4	8/3/2017 3:57	0.17				SR12	8/3/2017 3:57	0.15			
SR4	8/3/2017 4:17	0.17				SR12	8/3/2017 4:17	0.15			
SR4	8/3/2017 4:37	0.19				SR12	8/3/2017 4:37	0.13			
SR4	8/3/2017 4:57	0.16				SR12	8/3/2017 4:57	0.12			
SR4	8/3/2017 5:17	0.19				SR12	8/3/2017 5:17	0.14			
SR4	8/3/2017 5:37	0.18				SR12	8/3/2017 5:37	0.15			
SR4	8/3/2017 5:57	0.17				SR12	8/3/2017 5:57	0.13			
SR4						SR12					
SR4	8/3/2017 6:37	0.21				SR12	8/3/2017 6:37	0.15			
SR4	8/3/2017 6:57	0.20				SR12	8/3/2017 6:57	0.13			
SR4	8/3/2017 7:17	0.23				SR12	8/3/2017 7:17	0.14			
SR4	8/3/2017 7:37	0.22				SR12	8/3/2017 7:37	0.12			
SR4	8/3/2017 7:57	0.21				SR12	8/3/2017 7:57	0.15			
SR4	8/3/2017 8:17	0.24				SR12	8/3/2017 8:17	0.15			
SR4	8/3/2017 8:37	0.24				SR12	8/3/2017 8:37	0.13			
SR4	8/3/2017 8:57	0.22				SR12	8/3/2017 8:57	0.13			
SR4	8/3/2017 9:17	0.20				SR12	8/3/2017 9:17	0.12			
SR4	8/3/2017 9:37	0.24				SR12	8/3/2017 9:37	0.14			
SR4	8/3/2017 9:57	0.24				SR12	8/3/2017 9:57	0.12			
SR4	8/3/2017 10:17	0.20				SR12	8/3/2017 10:17	0.15			
SR4	8/3/2017 10:37	0.24				SR12	8/3/2017 10:37	0.15			
SR4	8/3/2017 10:57	0.20				SR12	8/3/2017 10:57	0.13			
SR4	8/3/2017 11:17	0.23				SR12	8/3/2017 11:17	0.12			
SR4	8/3/2017 11:37	0.22				SR12	8/3/2017 11:37	0.14			
SR4	8/3/2017 11:57	0.20				SR12	8/3/2017 11:57	0.15			
SR4	8/3/2017 12:17	0.19				SR12	8/3/2017 12:17	0.12			
SR4	8/3/2017 12:37	0.17				SR12	8/3/2017 12:37	0.14			
SR4	8/3/2017 12:57	0.18				SR12	8/3/2017 12:57	0.15			
SR4	8/3/2017 13:17	0.16				SR12	8/3/2017 13:17	0.14			
SR4	8/3/2017 13:37	0.16				SR12	8/3/2017 13:37	0.14			
SR4	8/3/2017 13:57	0.16				SR12	8/3/2017 13:57	0.15			
SR4	8/3/2017 14:17	0.17				SR12	8/3/2017 14:17	0.14			
SR4	8/3/2017 14:37	0.19				SR12	8/3/2017 14:37	0.15			
SR4	8/3/2017 14:57	0.19				SR12	8/3/2017 14:57	0.13			
SR4	8/3/2017 15:17	0.17				SR12	8/3/2017 15:17	0.14			
SR4	8/3/2017 15:37	0.19				SR12	8/3/2017 15:37	0.14			
SR4	8/3/2017 15:57	0.18				SR12	8/3/2017 15:57	0.14			
SR4	8/3/2017 16:17	0.19				SR12	8/3/2017 16:17	0.12			
SR4	8/3/2017 16:37	0.16				SR12	8/3/2017 16:37	0.13			
SR4	8/3/2017 16:57	0.18				SR12	8/3/2017 16:57	0.15			
SR4	8/3/2017 17:17	0.17				SR12	8/3/2017 17:17	0.15			
SR4	8/3/2017 17:37	0.18				SR12	8/3/2017 17:37	0.13			
SR4	8/3/2017 17:57	0.19				SR12	8/3/2017 17:57	0.12			
SR4	8/3/2017 18:17	0.18				SR12	8/3/2017 18:17	0.14			
SR4	8/3/2017 18:37	0.16				SR12	8/3/2017 18:37	0.13			
SR4	8/3/2017 18:57	0.16				SR12	8/3/2017 18:57	0.15			
SR4	8/3/2017 19:17	0.19				SR12	8/3/2017 19:17	0.14			
SR4	8/3/2017 19:37	0.16				SR12	8/3/2017 19:37	0.14			
SR4	8/3/2017 19:57	0.17				SR12	8/3/2017 19:57	0.14			
SR4	8/3/2017 20:17	0.16				SR12	8/3/2017 20:17	0.12			
SR4	8/3/2017 20:37	0.16				SR12	8/3/2017 20:37	0.14			
SR4	8/3/2017 20:57	0.12				SR12	8/3/2017 20:57	0.12			
SR4	8/3/2017 21:17	0.12				SR12	8/3/2017 21:17	0.15			
SR4	8/3/2017 21:37	0.12				SR12	8/3/2017 21:37	0.14			
SR4	8/3/2017 21:57	0.14				SR12	8/3/2017 21:57	0.15			
SR4	8/3/2017 22:17	0.14				SR12	8/3/2017 22:17	0.12			
SR4	8/3/2017 22:37	0.15				SR12	8/3/2017 22:37	0.12			
SR4	8/3/2017 22:57	0.12				SR12	8/3/2017 22:57	0.15			
SR4	8/3/2017 23:17	0.14				SR12	8/3/2017 23:17	0.14			
SR4	8/3/2017 23:37	0.13				SR12	8/3/2017 23:37	0.14			
SR4	8/3/2017 23:57	0.15				SR12	8/3/2017 23:57	0.13			

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 12:50-13:10.









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)
SR13	8/4/2017 0:00	29.39	76.8	5.99	7.2	SR13	8/4/2017 6:00	29.01	66.0	5.18	7.3	SR13	8/4/2017 12:00	29.15	72.2	5.66	7.4	SR13	8/4/2017 18:00	29.95	79.6	6.18	6.6
SR13	8/4/2017 0:05	29.41	78.3	6.11	7.4	SR13	8/4/2017 6:05	28.97	68.3	5.37	6.8	SR13	8/4/2017 12:05	29.18	74.4	5.82	6.9	SR13	8/4/2017 18:05	29.90	78.0	6.05	5.5
SR13	8/4/2017 0:10	29.41	78.6	6.14	7.1	SR13	8/4/2017 6:10	28.88	72.7	5.71	7.5	SR13	8/4/2017 12:10	29.21	75.4	5.91	6.0	SR13	8/4/2017 18:10	29.86	77.1	5.99	7.9
SR13	8/4/2017 0:15	29.39	76.7	5.98	7.5	SR13	8/4/2017 6:15	28.89	72.4	5.70	6.6	SR13	8/4/2017 12:15	29.20	77.3	6.05	6.8	SR13	8/4/2017 18:15	29.90	78.6	6.11	6.3
SR13	8/4/2017 0:20	29.37	77.6	6.06	6.9	SR13	8/4/2017 6:20	28.92	72.9	5.73	6.1	SR13	8/4/2017 12:20	29.27	78.4	6.13	6.7	SR13	8/4/2017 18:20	29.87	77.3	6.00	6.3
SR13	8/4/2017 0:25	29.38	76.0	5.93	7.1	SR13	8/4/2017 6:25	28.96	69.6	5.48	6.1	SR13	8/4/2017 12:25	29.31	81.4	6.37	5.8	SR13	8/4/2017 18:25	29.68	75.2	5.85	7.2
SR13	8/4/2017 0:30	29.36	75.9	5.92	6.8	SR13	8/4/2017 6:30	28.94	73.8	5.80	5.7	SR13	8/4/2017 12:30	29.35	78.7	6.15	6.5	SR13	8/4/2017 18:30	29.64	75.2	5.85	6.4
SR13	8/4/2017 0:35	29.39	74.9	5.85	7.4	SR13	8/4/2017 6:35	28.97	72.5	5.70	6.1	SR13	8/4/2017 12:35	29.32	78.9	6.17	8.1	SR13	8/4/2017 18:35	29.63	74.8	5.82	5.3
SR13	8/4/2017 0:40	29.40	74.3	5.80	6.7	SR13	8/4/2017 6:40	28.99	71.0	5.59	6.1	SR13	8/4/2017 12:40	29.31	78.7	6.15	6.6	SR13	8/4/2017 18:40	29.62	73.3	5.71	6.7
SR13	8/4/2017 0:45	29.39	72.7	5.67	6.9	SR13	8/4/2017 6:45	29.02	68.3	5.37	6.0	SR13	8/4/2017 12:45	29.26	75.2	5.87	6.0	SR13	8/4/2017 18:45	29.61	73.3	5.70	6.5
SR13	8/4/2017 0:50	29.38	74.1	5.79	6.6	SR13	8/4/2017 6:50	29.04	69.2	5.44	7.4	SR13	8/4/2017 12:50	29.29	76.5	5.99	6.9	SR13	8/4/2017 18:50	29.56	74.2	5.78	7.1
SR13	8/4/2017 0:55	29.36	74.0	5.79	6.8	SR13	8/4/2017 6:55	29.04	68.0	5.34	6.1	SR13	8/4/2017 12:55	29.37	79.1	6.18	7.6	SR13	8/4/2017 18:55	29.61	73.3	5.71	6.7
SR13	8/4/2017 1:00	29.36	73.0	5.71	7.1	SR13	8/4/2017 7:00	29.03	68.5	5.38	7.1	SR13	8/4/2017 13:00	29.38	78.2	6.11	6.7	SR13	8/4/2017 19:00	29.61	72.7	5.66	6.2
SR13	8/4/2017 1:05	29.24	69.1	5.40	5.8	SR13	8/4/2017 7:05	29.04	68.7	5.41	7.1	SR13	8/4/2017 13:05	29.42	77.4	6.05	7.1	SR13	8/4/2017 19:05	29.60	73.9	5.76	6.7
SR13	8/4/2017 1:10	29.27	72.8	5.70	5.7	SR13	8/4/2017 7:10	29.04	68.8	5.41	5.7	SR13	8/4/2017 13:10	29.44	76.7	5.99	7.2	SR13	8/4/2017 19:10	29.57	74.5	5.81	6.6
SR13	8/4/2017 1:15	29.27	72.1	5.64	6.6	SR13	8/4/2017 7:15	29.05	69.0	5.42	5.5	SR13	8/4/2017 13:15	29.43	75.5	5.91	7.0	SR13	8/4/2017 19:15	29.60	73.5	5.72	7.0
SR13	8/4/2017 1:20	29.26	72.1	5.65	7.1	SR13	8/4/2017 7:20	29.03	70.0	5.50	7.3	SR13	8/4/2017 13:20	29.43	72.7	5.68	6.9	SR13	8/4/2017 19:20	29.56	73.7	5.74	5.5
SR13	8/4/2017 1:25	29.26	70.7	5.54	6.6	SR13	8/4/2017 7:25	28.92	71.4	5.61	7.3	SR13	8/4/2017 13:25	29.33	69.8	5.46	7.3	SR13	8/4/2017 19:25	29.58	73.8	5.76	6.0
SR13	8/4/2017 1:30	29.24	70.7	5.54	5.6	SR13	8/4/2017 7:30	28.81	72.3	5.70	7.5	SR13	8/4/2017 13:30	29.35	68.5	5.36	6.7	SR13	8/4/2017 19:30	29.58	73.4	5.72	6.3
SR13	8/4/2017 1:35	29.24	73.0	5.71	7.2	SR13	8/4/2017 7:35	28.91	70.8	5.57	7.1	SR13	8/4/2017 13:35	29.38	67.0	5.25	7.0	SR13	8/4/2017 19:35	29.58	73.2	5.70	6.5
SR13	8/4/2017 1:40	29.22	72.8	5.69	7.4	SR13	8/4/2017 7:40	28.92	71.4	5.62	7.0	SR13	8/4/2017 13:40	29.34	67.4	5.27	7.6	SR13	8/4/2017 19:40	29.44	71.0	5.55	6.2
SR13	8/4/2017 1:45	29.17	69.7	5.45	6.9	SR13	8/4/2017 7:45	28.95	72.4	5.69	7.2	SR13	8/4/2017 13:45	29.34	67.7	5.31	6.8	SR13	8/4/2017 19:45	29.45	71.3	5.57	6.3
SR13	8/4/2017 1:50	29.15	68.5	5.37	5.9	SR13	8/4/2017 7:50	28.95	72.6	5.70	6.4	SR13	8/4/2017 13:50	29.37	68.7	5.37	6.3	SR13	8/4/2017 19:50	29.44	73.5	5.74	6.1
SR13	8/4/2017 1:55	29.17	70.7	5.54	7.1	SR13	8/4/2017 7:55	28.90	72.9	5.73	6.0	SR13	8/4/2017 13:55	29.27	66.3	5.19	7.0	SR13	8/4/2017 19:55	29.35	71.0	5.55	6.7
SR13	8/4/2017 2:00	29.13	69.3	5.43	7.4	SR13	8/4/2017 8:00	28.90	73.2	5.75	6.0	SR13	8/4/2017 14:00	29.23	66.9	5.23	7.8	SR13	8/4/2017 20:00	29.35	69.6	5.43	5.1
SR13	8/4/2017 2:05	29.13	69.9	5.48	7.0	SR13	8/4/2017 8:05	28.91	75.2	5.90	7.0	SR13	8/4/2017 14:05	29.33	70.1	5.49	7.0	SR13	8/4/2017 20:05	29.26	67.1	5.25	7.9
SR13	8/4/2017 2:10	29.09	68.0	5.33	6.0	SR13	8/4/2017 8:10	28.93	74.0	5.81	8.0	SR13	8/4/2017 14:10	29.26	69.7	5.45	6.2	SR13	8/4/2017 20:10	29.25	68.8	5.37	5.6
SR13	8/4/2017 2:15	29.10	68.5	5.37	6.6	SR13	8/4/2017 8:15	28.95	74.4	5.84	6.6	SR13	8/4/2017 14:15	29.30	69.8	5.47	8.0	SR13	8/4/2017 20:15	29.25	67.5	5.28	7.0
SR13	8/4/2017 2:20	29.11	69.1	5.42	6.0	SR13	8/4/2017 8:20	28.96	74.6	5.86	5.6	SR13	8/4/2017 14:20	29.31	69.3	5.43	6.2	SR13	8/4/2017 20:20	29.25	66.4	5.20	7.7
SR13	8/4/2017 2:25	29.10	68.6	5.38	6.7	SR13	8/4/2017 8:25	29.01	76.3	5.99	7.1	SR13	8/4/2017 14:25	29.33	70.1	5.50	7.0	SR13	8/4/2017 20:25	29.17	65.4	5.12	5.9
SR13	8/4/2017 2:30	29.13	69.7	5.47	6.4	SR13	8/4/2017 8:30	28.99	75.6	5.93	5.4	SR13	8/4/2017 14:30	29.34	71.2	5.57	7.2	SR13	8/4/2017 20:30	29.25	66.5	5.21	7.8
SR13	8/4/2017 2:35	29.11	69.9	5.49	7.1	SR13	8/4/2017 8:35	28.96	74.8	5.88	7.4	SR13	8/4/2017 14:35	29.36	69.9	5.47	6.2	SR13	8/4/2017 20:35	29.21	65.1	5.10	7.0
SR13	8/4/2017 2:40	29.11	69.6	5.46	7.3	SR13	8/4/2017 8:40	28.97	75.8	5.95	6.6	SR13	8/4/2017 14:40	29.35	67.8	5.31	6.6	SR13	8/4/2017 20:40	29.20	65.1	5.11	6.1
SR13	8/4/2017 2:45	29.07	69.9	5.48	6.9	SR13	8/4/2017 8:45	29.02	76.8	6.03	5.9	SR13	8/4/2017 14:45	29.31	65.6	5.14	6.1	SR13	8/4/2017 20:45	29.22	66.7	5.22	6.5
SR13	8/4/2017 2:50	29.08	70.7	5.54	6.2	SR13	8/4/2017 8:50	29.00	76.2	5.98	5.8	SR13	8/4/2017 14:50	29.28	68.1	5.33	6.9	SR13	8/4/2017 20:50	29.26	67.1	5.25	7.4
SR13	8/4/2017 2:55	29.09	72.9	5.71	7.4	SR13	8/4/2017 8:55	29.00	74.7	5.87	7.6	SR13	8/4/2017 14:55	29.34	68.5	5.35	7.7	SR13	8/4/2017 20:55	29.17	63.8	5.00	5.6
SR13	8/4/2017 3:00	29.08	70.9	5.56	6.0	SR13	8/4/2017 9:00	28.99	73.8	5.81	6.1	SR13	8/4/2017 15:00	29.34	70.2	5.49	7.6	SR13	8/4/2017 21:00	29.24	67.0	5.25	6.9
SR13	8/4/2017 3:05	29.07	71.8	5.64	5.7	SR13	8/4/2017 9:05	29.04	75.9	5.97	7.3	SR13						SR13	8/4/2017 21:05	29.29	67.0	5.24	6.5
SR13	8/4/2017 3:10	29.08	70.2	5.50	5.9	SR13	8/4/2017 9:10	29.01	78.4	6.16	6.8	SR13						SR13	8/4/2017 21:10	29.28	68.1	5.32	7.4
SR13	8/4/2017 3:15	29.06	71.9	5.64	8.3	SR13	8/4/2017 9:15	29.02	77.6	6.10	7.3	SR13						SR13	8/4/2017 21:15	29.42	70.9	5.54	7.6
SR13	8/4/2017 3:20	29.09	70.0	5.48	6.7	SR13	8/4/2017 9:20	29.06	78.1	6.14	6.5	SR13	8/4/2017 15:20	29.52	77.1	6.01	5.6	SR13	8/4/2017 21:20	29.30	66.7	5.22	6.2
SR13	8/4/2017 3:25	29.08	71.6	5.62	6.3	SR13	8/4/2017 9:25	28.99	80.0	6.28	7.0	SR13	8/4/2017 15:25	29.52	77.3	6.03	6.9	SR13	8/4/2017 21:25	29.34	67.0	5.24	6.5
SR13	8/4/2017 3:30	29.05	70.8	5.56	6.2	SR13	8/4/2017 9:30	29.02	79.6	6.25	8.0	SR13	8/4/2017 15:30	29.33	73.9	5.77	7.6	SR13	8/4/2017 21:30	29.33	67.3	5.26	6.5
SR13	8/4/2017 3:35	29.05	71.8	5.64	7.5	SR13	8/4/2017 9:35	28.99	78.6	6.17	6.3	SR13	8/4/2017 15:35	29.38	76.4	5.95	7.5	SR13	8/4/2017 21:35	29.38	68.6	5.36	7.7
SR13	8/4/2017 3:40	29.10	70.7	5.55	6.9	SR13	8/4/2017 9:40	29.05	81.8	6.42	5.8	SR13	8/4/2017 15:40	29.35	75.9	5.92	5.8	SR13	8/4/2017 21:40	29.35	68.8	5.38	5.5
SR13	8/4/2017 3:45	29.07	71.4	5.60	6.8	SR13	8/4/2017 9:45	29.06	82.9	6.51	6.6	SR13	8/4/2017 15:45	29.31	76.3	5.95	6.9	SR13	8/4/2017 21:45	29.28	68.1	5.32	6.3
SR13	8/4/2017 3:50	29.05	70.5	5.53	6.3	SR13	8/4/2017 9:50	29.03	81.1	6.36	7.1	SR13	8/4/2017 15:50	29.31	75.5	5.89	6.2	SR13	8/4/2017 21:50	29.26	68.9	5.39	6.2
SR13	8/4/2017 3:55	29.05	70.5	5.53	7.7	SR13	8/4/2017 9:55	29.04	79.9	6.27	6.9	SR13	8/4/2017 15:55	29.33	74.8	5.83	7.0	SR13	8				

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/4/2017 0:17	0.15				SR12	8/4/2017 0:17	0.15			
SR4	8/4/2017 0:37	0.15				SR12	8/4/2017 0:37	0.13			
SR4	8/4/2017 0:57	0.13				SR12	8/4/2017 0:57	0.14			
SR4	8/4/2017 1:17	0.14				SR12	8/4/2017 1:17	0.14			
SR4	8/4/2017 1:37	0.13				SR12	8/4/2017 1:37	0.14			
SR4	8/4/2017 1:57	0.15				SR12	8/4/2017 1:57	0.15			
SR4	8/4/2017 2:17	0.12				SR12	8/4/2017 2:17	0.15			
SR4	8/4/2017 2:37	0.14				SR12	8/4/2017 2:37	0.14			
SR4	8/4/2017 2:57	0.15				SR12	8/4/2017 2:57	0.13			
SR4	8/4/2017 3:17	0.14				SR12	8/4/2017 3:17	0.13			
SR4	8/4/2017 3:37	0.12				SR12	8/4/2017 3:37	0.14			
SR4	8/4/2017 3:57	0.13				SR12	8/4/2017 3:57	0.12			
SR4	8/4/2017 4:17	0.15				SR12	8/4/2017 4:17	0.15			
SR4	8/4/2017 4:37	0.12				SR12	8/4/2017 4:37	0.13			
SR4	8/4/2017 4:57	0.15				SR12	8/4/2017 4:57	0.16			
SR4	8/4/2017 5:17	0.13				SR12	8/4/2017 5:17	0.15			
SR4	8/4/2017 5:37	0.12				SR12	8/4/2017 5:37	0.18			
SR4	8/4/2017 5:57	0.13				SR12	8/4/2017 5:57	0.17			
SR4						SR12					
SR4	8/4/2017 6:37	0.13				SR12	8/4/2017 6:37	0.17			
SR4	8/4/2017 6:57	0.14				SR12	8/4/2017 6:57	0.17			
SR4	8/4/2017 7:17	0.12				SR12	8/4/2017 7:17	0.18			
SR4	8/4/2017 7:37	0.14				SR12	8/4/2017 7:37	0.16			
SR4	8/4/2017 7:57	0.15				SR12	8/4/2017 7:57	0.18			
SR4	8/4/2017 8:17	0.14				SR12	8/4/2017 8:17	0.16			
SR4	8/4/2017 8:37	0.14				SR12	8/4/2017 8:37	0.16			
SR4	8/4/2017 8:57	0.16				SR12	8/4/2017 8:57	0.15			
SR4	8/4/2017 9:17	0.17				SR12	8/4/2017 9:17	0.17			
SR4	8/4/2017 9:37	0.17				SR12	8/4/2017 9:37	0.17			
SR4	8/4/2017 9:57	0.18				SR12	8/4/2017 9:57	0.17			
SR4	8/4/2017 10:17	0.17				SR12	8/4/2017 10:17	0.15			
SR4	8/4/2017 10:37	0.16				SR12	8/4/2017 10:37	0.18			
SR4	8/4/2017 10:57	0.16				SR12	8/4/2017 10:57	0.15			
SR4	8/4/2017 11:17	0.18				SR12	8/4/2017 11:17	0.15			
SR4	8/4/2017 11:37	0.17				SR12	8/4/2017 11:37	0.16			
SR4	8/4/2017 11:57	0.17				SR12	8/4/2017 11:57	0.15			
SR4	8/4/2017 12:17	0.18				SR12	8/4/2017 12:17	0.15			
SR4	8/4/2017 12:37	0.18				SR12	8/4/2017 12:37	0.17			
SR4	8/4/2017 12:57	0.18				SR12	8/4/2017 12:57	0.18			
SR4	8/4/2017 13:17	0.19				SR12	8/4/2017 13:17	0.16			
SR4	8/4/2017 13:37	0.19				SR12	8/4/2017 13:37	0.17			
SR4	8/4/2017 13:57	0.19				SR12	8/4/2017 13:57	0.16			
SR4	8/4/2017 14:17	0.18				SR12	8/4/2017 14:17	0.15			
SR4	8/4/2017 14:37	0.19				SR12	8/4/2017 14:37	0.18			
SR4	8/4/2017 14:57	0.21				SR12	8/4/2017 14:57	0.15			
SR4	8/4/2017 15:17	0.22				SR12	8/4/2017 15:17	0.18			
SR4	8/4/2017 15:37	0.22				SR12	8/4/2017 15:37	0.17			
SR4	8/4/2017 15:57	0.22				SR12	8/4/2017 15:57	0.15			
SR4	8/4/2017 16:17	0.19				SR12	8/4/2017 16:17	0.17			
SR4	8/4/2017 16:37	0.22				SR12	8/4/2017 16:37	0.17			
SR4	8/4/2017 16:57	0.19				SR12	8/4/2017 16:57	0.18			
SR4	8/4/2017 17:17	0.19				SR12	8/4/2017 17:17	0.18			
SR4	8/4/2017 17:37	0.20				SR12	8/4/2017 17:37	0.18			
SR4	8/4/2017 17:57	0.19				SR12	8/4/2017 17:57	0.16			
SR4	8/4/2017 18:17	0.20				SR12	8/4/2017 18:17	0.17			
SR4	8/4/2017 18:37	0.22				SR12	8/4/2017 18:37	0.17			
SR4	8/4/2017 18:57	0.22				SR12	8/4/2017 18:57	0.16			
SR4	8/4/2017 19:17	0.22				SR12	8/4/2017 19:17	0.16			
SR4	8/4/2017 19:37	0.19				SR12	8/4/2017 19:37	0.17			
SR4	8/4/2017 19:57	0.18				SR12	8/4/2017 19:57	0.15			
SR4	8/4/2017 20:17	0.20				SR12	8/4/2017 20:17	0.15			
SR4	8/4/2017 20:37	0.22				SR12	8/4/2017 20:37	0.15			
SR4	8/4/2017 20:57	0.18				SR12	8/4/2017 20:57	0.17			
SR4	8/4/2017 21:17	0.22				SR12	8/4/2017 21:17	0.16			
SR4	8/4/2017 21:37	0.22				SR12	8/4/2017 21:37	0.17			
SR4	8/4/2017 21:57	0.22				SR12	8/4/2017 21:57	0.15			
SR4	8/4/2017 22:17	0.25				SR12	8/4/2017 22:17	0.15			
SR4	8/4/2017 22:37	0.26				SR12	8/4/2017 22:37	0.16			
SR4	8/4/2017 22:57	0.26				SR12	8/4/2017 22:57	0.16			
SR4	8/4/2017 23:17	0.24				SR12	8/4/2017 23:17	0.16			
SR4	8/4/2017 23:37	0.26				SR12	8/4/2017 23:37	0.16			
SR4	8/4/2017 23:57	0.27				SR12	8/4/2017 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. SR13 monitoring station was under maintenance during 15:00-15:20.

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	8/5/2017 0:01	29.12	66.0	5.04	6.6	SR4	8/5/2017 6:01	28.80	70.2	5.40	7.0	SR4	8/5/2017 12:01	29.85	75.2	5.68	8.5	SR4	8/5/2017 18:01	30.40	74.8	5.59	6.7
SR4	8/5/2017 0:06	29.12	65.0	4.97	8.1	SR4	8/5/2017 6:06	28.86	69.1	5.30	6.6	SR4	8/5/2017 12:06	29.94	76.1	5.73	6.4	SR4	8/5/2017 18:06	30.40	75.5	5.65	7.9
SR4	8/5/2017 0:11	29.11	66.3	5.07	6.4	SR4	8/5/2017 6:11	28.95	70.2	5.38	8.5	SR4	8/5/2017 12:11	29.74	73.8	5.58	6.8	SR4	8/5/2017 18:11	30.41	75.7	5.66	8.0
SR4	8/5/2017 0:16	29.12	65.1	4.98	7.1	SR4	8/5/2017 6:16	29.03	70.1	5.37	6.7	SR4	8/5/2017 12:16	29.95	75.5	5.69	8.3	SR4	8/5/2017 18:16	30.39	74.5	5.57	6.6
SR4	8/5/2017 0:21	29.12	65.3	4.99	6.4	SR4	8/5/2017 6:21	29.12	73.5	5.62	6.3	SR4	8/5/2017 12:21	29.95	76.2	5.74	7.4	SR4	8/5/2017 18:21	30.35	72.8	5.45	7.6
SR4	8/5/2017 0:26	29.12	64.4	4.92	6.9	SR4	8/5/2017 6:26	29.06	72.4	5.54	6.8	SR4	8/5/2017 12:26	29.78	71.9	5.43	8.4	SR4	8/5/2017 18:26	30.35	76.4	5.71	7.6
SR4	8/5/2017 0:31	29.12	67.0	5.12	7.6	SR4	8/5/2017 6:31	29.07	72.5	5.55	6.2	SR4	8/5/2017 12:31	29.64	66.2	5.01	7.4	SR4	8/5/2017 18:31	30.32	74.6	5.58	6.6
SR4	8/5/2017 0:36	29.12	65.2	4.98	7.9	SR4	8/5/2017 6:36	29.00	67.3	5.16	6.9	SR4	8/5/2017 12:36	29.53	63.8	4.84	6.5	SR4	8/5/2017 18:36	30.40	78.9	5.90	6.3
SR4	8/5/2017 0:41	29.09	67.2	5.14	6.8	SR4	8/5/2017 6:41	28.97	67.0	5.14	8.5	SR4	8/5/2017 12:41	30.05	70.1	5.27	7.4	SR4	8/5/2017 18:41	30.46	78.9	5.89	6.8
SR4	8/5/2017 0:46	29.11	67.7	5.17	8.0	SR4	8/5/2017 6:46	28.97	65.2	5.00	6.5	SR4	8/5/2017 12:46	29.70	65.4	4.95	7.1	SR4	8/5/2017 18:46	30.47	80.9	6.04	8.5
SR4	8/5/2017 0:51	29.12	66.7	5.10	8.0	SR4	8/5/2017 6:51	28.96	65.3	5.00	8.2	SR4	8/5/2017 12:51	29.54	63.7	4.83	6.5	SR4	8/5/2017 18:51	30.47	80.2	5.99	6.2
SR4	8/5/2017 0:56	29.11	66.3	5.07	7.0	SR4	8/5/2017 6:56	28.95	65.3	5.00	7.4	SR4	8/5/2017 12:56	29.71	65.7	4.97	7.1	SR4	8/5/2017 18:56	30.46	79.7	5.96	6.4
SR4	8/5/2017 1:01	29.11	67.1	5.13	8.2	SR4	8/5/2017 7:01	28.95	69.6	5.34	8.4	SR4	8/5/2017 13:01	29.84	69.2	5.22	7.8	SR4	8/5/2017 19:01	30.44	79.7	5.95	7.4
SR4	8/5/2017 1:06	29.09	66.8	5.11	7.7	SR4	8/5/2017 7:06	28.81	76.0	5.84	7.8	SR4	8/5/2017 13:06	29.95	69.7	5.25	6.4	SR4	8/5/2017 19:06	30.43	78.9	5.89	8.3
SR4	8/5/2017 1:11	29.09	63.5	4.85	7.7	SR4	8/5/2017 7:11	28.81	74.7	5.74	7.5	SR4	8/5/2017 13:11	30.35	73.8	5.52	6.8	SR4	8/5/2017 19:11	30.38	75.4	5.64	8.0
SR4	8/5/2017 1:16	29.04	68.5	5.24	7.1	SR4	8/5/2017 7:16	28.81	74.8	5.75	7.9	SR4	8/5/2017 13:16	30.03	73.0	5.49	6.6	SR4	8/5/2017 19:16	30.37	75.4	5.64	6.8
SR4	8/5/2017 1:21	29.03	66.1	5.06	7.7	SR4	8/5/2017 7:21	28.81	74.5	5.72	6.2	SR4	8/5/2017 13:21	30.03	73.1	5.50	7.1	SR4	8/5/2017 19:21	30.37	74.5	5.57	6.4
SR4	8/5/2017 1:26	29.03	66.1	5.06	6.5	SR4	8/5/2017 7:26	28.81	73.9	5.68	6.9	SR4	8/5/2017 13:26	29.57	66.5	5.04	6.6	SR4	8/5/2017 19:26	30.36	73.7	5.52	7.9
SR4	8/5/2017 1:31	29.02	66.6	5.10	6.5	SR4	8/5/2017 7:31	28.79	73.4	5.64	7.7	SR4	8/5/2017 13:31	29.79	68.1	5.14	6.6	SR4	8/5/2017 19:31	30.34	73.7	5.52	6.9
SR4	8/5/2017 1:36	28.94	73.0	5.60	8.0	SR4	8/5/2017 7:36	28.78	73.5	5.65	6.4	SR4	8/5/2017 13:36	29.93	69.7	5.25	8.1	SR4	8/5/2017 19:36	30.34	72.4	5.42	6.9
SR4	8/5/2017 1:41	28.95	71.9	5.51	7.5	SR4	8/5/2017 7:41	28.78	72.7	5.59	8.4	SR4	8/5/2017 13:41	29.97	68.7	5.17	7.4	SR4	8/5/2017 19:41	30.30	73.4	5.49	6.7
SR4	8/5/2017 1:46	28.94	72.3	5.54	8.5	SR4	8/5/2017 7:46	28.77	72.3	5.56	7.2	SR4	8/5/2017 13:46	29.85	68.2	5.14	6.2	SR4	8/5/2017 19:46	30.28	72.2	5.41	8.5
SR4	8/5/2017 1:51	28.93	73.2	5.61	8.1	SR4	8/5/2017 7:51	28.77	71.3	5.48	7.2	SR4	8/5/2017 13:51	29.77	66.4	5.02	7.8	SR4	8/5/2017 19:51	30.23	74.1	5.56	7.9
SR4	8/5/2017 1:56	28.93	73.6	5.65	6.8	SR4	8/5/2017 7:56	28.78	72.3	5.56	7.4	SR4	8/5/2017 13:56	29.96	67.3	5.07	6.7	SR4	8/5/2017 19:56	30.16	69.0	5.18	7.5
SR4	8/5/2017 2:01	28.94	72.9	5.59	6.3	SR4	8/5/2017 8:01	28.75	64.2	4.94	6.6	SR4	8/5/2017 14:01	30.02	65.6	4.93	7.9	SR4	8/5/2017 20:01	30.12	66.0	4.96	7.6
SR4	8/5/2017 2:06	28.94	72.8	5.58	6.6	SR4	8/5/2017 8:06	28.77	67.5	5.19	7.7	SR4	8/5/2017 14:06	30.16	65.8	4.94	8.0	SR4	8/5/2017 20:06	30.14	66.8	5.02	7.8
SR4	8/5/2017 2:11	28.94	72.9	5.59	7.6	SR4	8/5/2017 8:11	28.77	66.3	5.10	7.1	SR4	8/5/2017 14:11	30.04	64.0	4.81	7.7	SR4	8/5/2017 20:11	30.09	63.4	4.77	7.1
SR4	8/5/2017 2:16	28.94	73.2	5.61	7.7	SR4	8/5/2017 8:16	28.76	65.5	5.04	7.0	SR4	8/5/2017 14:16	29.94	63.1	4.76	8.3	SR4	8/5/2017 20:16	30.09	64.3	4.83	8.0
SR4	8/5/2017 2:21	28.94	72.0	5.52	7.7	SR4	8/5/2017 8:21	28.79	68.4	5.26	6.5	SR4	8/5/2017 14:21	30.60	68.8	5.12	8.4	SR4	8/5/2017 20:21	30.15	66.2	4.97	6.5
SR4	8/5/2017 2:26	28.94	71.2	5.46	8.5	SR4	8/5/2017 8:26	28.81	69.5	5.34	7.4	SR4	8/5/2017 14:26	30.85	72.5	5.38	8.4	SR4	8/5/2017 20:26	30.16	66.4	4.98	6.5
SR4	8/5/2017 2:31	28.93	71.6	5.49	7.9	SR4	8/5/2017 8:31	28.81	67.8	5.21	6.8	SR4	8/5/2017 14:31	30.48	66.0	4.93	8.2	SR4	8/5/2017 20:31	30.14	65.6	4.92	7.6
SR4	8/5/2017 2:36	28.94	69.9	5.36	7.4	SR4	8/5/2017 8:36	28.84	69.8	5.36	7.3	SR4	8/5/2017 14:36	30.37	66.2	4.95	6.5	SR4	8/5/2017 20:36	30.14	65.8	4.94	6.8
SR4	8/5/2017 2:41	28.93	70.3	5.39	7.5	SR4	8/5/2017 8:41	28.81	67.8	5.21	7.2	SR4	8/5/2017 14:41	30.83	70.1	5.20	6.7	SR4	8/5/2017 20:41	30.17	66.6	5.00	7.9
SR4	8/5/2017 2:46	28.97	67.2	5.15	8.1	SR4	8/5/2017 8:46	28.86	72.4	5.56	7.6	SR4	8/5/2017 14:46	30.55	69.1	5.15	6.5	SR4	8/5/2017 20:46	30.12	64.6	4.85	7.7
SR4	8/5/2017 2:51	28.95	66.7	5.12	7.7	SR4	8/5/2017 8:51	28.86	70.8	5.44	8.5	SR4	8/5/2017 14:51	30.51	67.9	5.07	8.0	SR4	8/5/2017 20:51	30.01	62.3	4.69	7.0
SR4	8/5/2017 2:56	28.97	66.4	5.09	6.5	SR4	8/5/2017 8:56	28.82	70.5	5.42	7.6	SR4	8/5/2017 14:56	30.24	64.9	4.86	8.4	SR4	8/5/2017 20:56	29.91	59.8	4.51	6.6
SR4	8/5/2017 3:01	28.96	67.0	5.13	6.6	SR4	8/5/2017 9:01	28.82	70.9	5.45	8.2	SR4	8/5/2017 15:01	30.26	66.3	4.97	7.1	SR4	8/5/2017 21:01	29.88	60.9	4.59	7.7
SR4	8/5/2017 3:06	28.94	68.4	5.24	8.3	SR4	8/5/2017 9:06	28.88	74.3	5.70	7.8	SR4	8/5/2017 15:06	30.19	65.4	4.91	6.4	SR4	8/5/2017 21:06	29.90	64.9	4.89	7.4
SR4	8/5/2017 3:11	28.90	70.3	5.39	7.3	SR4	8/5/2017 9:11	28.84	72.1	5.54	7.9	SR4	8/5/2017 15:11	30.54	65.8	4.90	8.3	SR4	8/5/2017 21:11	29.89	64.3	4.85	8.2
SR4	8/5/2017 3:16	28.88	71.7	5.50	7.8	SR4	8/5/2017 9:16	28.80	68.9	5.30	7.1	SR4	8/5/2017 15:16	30.45	66.7	4.98	8.5	SR4	8/5/2017 21:16	29.88	66.1	4.98	7.9
SR4	8/5/2017 3:21	28.84	72.6	5.58	6.4	SR4	8/5/2017 9:21	28.83	71.5	5.50	7.8	SR4	8/5/2017 15:21	30.43	66.0	4.93	7.6	SR4	8/5/2017 21:21	29.89	66.1	4.99	6.4
SR4	8/5/2017 3:26	28.84	71.4	5.48	7.8	SR4	8/5/2017 9:26	28.84	70.6	5.42	8.1	SR4	8/5/2017 15:26	30.15	65.0	4.88	8.2	SR4	8/5/2017 21:26	29.90	66.2	4.99	6.5
SR4	8/5/2017 3:31	28.84	72.5	5.57	6.8	SR4	8/5/2017 9:31	28.86	70.1	5.39	7.3	SR4	8/5/2017 15:31	30.06	64.5	4.85	6.6	SR4	8/5/2017 21:31	29.88	64.6	4.87	6.6
SR4	8/5/2017 3:36	28.85	71.5	5.49	7.8	SR4	8/5/2017 9:36	28.88	71.7	5.51	7.5	SR4	8/5/2017 15:36	30.13	69.7	5.24	6.5	SR4	8/5/2017 21:36	29.90	66.4	5.01	7.2
SR4	8/5/2017 3:41	28.85	71.2	5.47	8.2	SR4	8/5/2017 9:41	28.88	69.7	5.35	7.3	SR4	8/5/2017 15:41	29.98	68.6	5.16	7.6	SR4	8/5/2017 21:41	29.89	64.8	4.89	8.3
SR4	8/5/2017 3:46	28.85	70.9	5.44	7.5	SR4	8/5/2017 9:46	28.95	73.2	5.61	6.6	SR4	8/5/2017 15:46	30.26	70.9	5.31	6.3	SR4	8/5/2017 21:46	29.91	64.9	4.89	7.9
SR4	8/5/2017 3:51	28.86	70.6	5.42	7.0	SR4	8/5/2017 9:51	28.98	73.8	5.66	6.2	SR4	8/5/2017 15:51	30.25	70.2	5.26	7.1	SR4	8/5/2017 21:51	29.89	66.1	4.98	6.8
SR4	8/5/2017 3:56	28.85	69.9	5.37	7.0	SR4	8/5/2017 9:56	28.99	72.0	5.52	8.0	SR4	8/5/2017 15:56	30.19	69.5	5.22	8.3	SR4	8/5/2017 21:56	29.86	63.9	4.82	6.4
SR4	8/5/2017 4:01	28.																					







24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/5/2017 0:17	0.26				SR12	8/5/2017 0:17	0.18			
SR4	8/5/2017 0:37	0.26				SR12	8/5/2017 0:37	0.17			
SR4	8/5/2017 0:57	0.26				SR12	8/5/2017 0:57	0.16			
SR4	8/5/2017 1:17	0.24				SR12	8/5/2017 1:17	0.18			
SR4	8/5/2017 1:37	0.26				SR12	8/5/2017 1:37	0.18			
SR4	8/5/2017 1:57	0.27				SR12	8/5/2017 1:57	0.17			
SR4	8/5/2017 2:17	0.25				SR12	8/5/2017 2:17	0.17			
SR4	8/5/2017 2:37	0.27				SR12	8/5/2017 2:37	0.16			
SR4	8/5/2017 2:57	0.27				SR12	8/5/2017 2:57	0.15			
SR4	8/5/2017 3:17	0.24				SR12	8/5/2017 3:17	0.17			
SR4	8/5/2017 3:37	0.25				SR12	8/5/2017 3:37	0.15			
SR4	8/5/2017 3:57	0.25				SR12	8/5/2017 3:57	0.16			
SR4	8/5/2017 4:17	0.24				SR12	8/5/2017 4:17	0.16			
SR4	8/5/2017 4:37	0.24				SR12	8/5/2017 4:37	0.16			
SR4	8/5/2017 4:57	0.24				SR12	8/5/2017 4:57	0.16			
SR4	8/5/2017 5:17	0.25				SR12	8/5/2017 5:17	0.15			
SR4	8/5/2017 5:37	0.24				SR12	8/5/2017 5:37	0.17			
SR4	8/5/2017 5:57	0.27				SR12	8/5/2017 5:57	0.16			
SR4		0.24				SR12					
SR4	8/5/2017 6:37	0.24				SR12	8/5/2017 6:37	0.16			
SR4	8/5/2017 6:57	0.26				SR12	8/5/2017 6:57	0.15			
SR4	8/5/2017 7:17	0.27				SR12	8/5/2017 7:17	0.18			
SR4	8/5/2017 7:37	0.26				SR12	8/5/2017 7:37	0.17			
SR4	8/5/2017 7:57	0.25				SR12	8/5/2017 7:57	0.17			
SR4	8/5/2017 8:17	0.24				SR12	8/5/2017 8:17	0.18			
SR4	8/5/2017 8:37	0.26				SR12	8/5/2017 8:37	0.16			
SR4	8/5/2017 8:57	0.24				SR12	8/5/2017 8:57	0.18			
SR4	8/5/2017 9:17	0.25				SR12	8/5/2017 9:17	0.17			
SR4	8/5/2017 9:37	0.24				SR12	8/5/2017 9:37	0.16			
SR4	8/5/2017 9:57	0.25				SR12	8/5/2017 9:57	0.15			
SR4	8/5/2017 10:17	0.24				SR12	8/5/2017 10:17	0.15			
SR4	8/5/2017 10:37	0.26				SR12	8/5/2017 10:37	0.15			
SR4	8/5/2017 10:57	0.26				SR12	8/5/2017 10:57	0.16			
SR4	8/5/2017 11:17	0.27				SR12	8/5/2017 11:17	0.15			
SR4	8/5/2017 11:37	0.27				SR12	8/5/2017 11:37	0.18			
SR4	8/5/2017 11:57	0.24				SR12	8/5/2017 11:57	0.16			
SR4	8/5/2017 12:17	0.26				SR12	8/5/2017 12:17	0.18			
SR4	8/5/2017 12:37	0.25				SR12	8/5/2017 12:37	0.18			
SR4	8/5/2017 12:57	0.27				SR12	8/5/2017 12:57	0.16			
SR4	8/5/2017 13:17	0.26				SR12	8/5/2017 13:17	0.16			
SR4	8/5/2017 13:37	0.27				SR12	8/5/2017 13:37	0.15			
SR4	8/5/2017 13:57	0.27				SR12	8/5/2017 13:57	0.17			
SR4	8/5/2017 14:17	0.27				SR12	8/5/2017 14:17	0.18			
SR4	8/5/2017 14:37	0.24				SR12	8/5/2017 14:37	0.15			
SR4	8/5/2017 14:57	0.25				SR12	8/5/2017 14:57	0.18			
SR4	8/5/2017 15:17	0.26				SR12	8/5/2017 15:17	0.16			
SR4	8/5/2017 15:37	0.27				SR12	8/5/2017 15:37	0.17			
SR4	8/5/2017 15:57	0.27				SR12	8/5/2017 15:57	0.17			
SR4	8/5/2017 16:17	0.28				SR12	8/5/2017 16:17	0.16			
SR4	8/5/2017 16:37	0.26				SR12	8/5/2017 16:37	0.14			
SR4	8/5/2017 16:57	0.26				SR12	8/5/2017 16:57	0.17			
SR4	8/5/2017 17:17	0.27				SR12	8/5/2017 17:17	0.15			
SR4	8/5/2017 17:37	0.25				SR12	8/5/2017 17:37	0.14			
SR4	8/5/2017 17:57	0.28				SR12	8/5/2017 17:57	0.16			
SR4	8/5/2017 18:17	0.27				SR12	8/5/2017 18:17	0.16			
SR4	8/5/2017 18:37	0.28				SR12	8/5/2017 18:37	0.17			
SR4	8/5/2017 18:57	0.27				SR12	8/5/2017 18:57	0.15			
SR4	8/5/2017 19:17	0.27				SR12	8/5/2017 19:17	0.17			
SR4	8/5/2017 19:37	0.27				SR12	8/5/2017 19:37	0.17			
SR4	8/5/2017 19:57	0.28				SR12	8/5/2017 19:57	0.16			
SR4	8/5/2017 20:17	0.28				SR12	8/5/2017 20:17	0.17			
SR4	8/5/2017 20:37	0.27				SR12	8/5/2017 20:37	0.16			
SR4	8/5/2017 20:57	0.27				SR12	8/5/2017 20:57	0.17			
SR4	8/5/2017 21:17	0.26				SR12	8/5/2017 21:17	0.15			
SR4	8/5/2017 21:37	0.28				SR12	8/5/2017 21:37	0.16			
SR4	8/5/2017 21:57	0.28				SR12	8/5/2017 21:57	0.14			
SR4	8/5/2017 22:17	0.26				SR12	8/5/2017 22:17	0.15			
SR4	8/5/2017 22:37	0.25				SR12	8/5/2017 22:37	0.17			
SR4	8/5/2017 22:57	0.27				SR12	8/5/2017 22:57	0.17			
SR4	8/5/2017 23:17	0.25				SR12	8/5/2017 23:17	0.17			
SR4	8/5/2017 23:37	0.26				SR12	8/5/2017 23:37	0.16			
SR4	8/5/2017 23:57	0.25				SR12	8/5/2017 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	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/6/2017 0:17	0.26				SR12	8/6/2017 0:17	0.17			
SR4	8/6/2017 0:37	0.27				SR12	8/6/2017 0:37	0.17			
SR4	8/6/2017 0:57	0.27				SR12	8/6/2017 0:57	0.16			
SR4	8/6/2017 1:17	0.27				SR12	8/6/2017 1:17	0.16			
SR4	8/6/2017 1:37	0.27				SR12	8/6/2017 1:37	0.16			
SR4	8/6/2017 1:57	0.28				SR12	8/6/2017 1:57	0.14			
SR4	8/6/2017 2:17	0.28				SR12	8/6/2017 2:17	0.16			
SR4	8/6/2017 2:37	0.27				SR12	8/6/2017 2:37	0.17			
SR4	8/6/2017 2:57	0.27				SR12	8/6/2017 2:57	0.17			
SR4	8/6/2017 3:17	0.27				SR12	8/6/2017 3:17	0.15			
SR4	8/6/2017 3:37	0.26				SR12	8/6/2017 3:37	0.14			
SR4	8/6/2017 3:57	0.26				SR12	8/6/2017 3:57	0.15			
SR4	8/6/2017 4:17	0.25				SR12	8/6/2017 4:17	0.17			
SR4	8/6/2017 4:37	0.23				SR12	8/6/2017 4:37	0.16			
SR4	8/6/2017 4:57	0.22				SR12	8/6/2017 4:57	0.17			
SR4	8/6/2017 5:17	0.23				SR12	8/6/2017 5:17	0.14			
SR4	8/6/2017 5:37	0.24				SR12	8/6/2017 5:37	0.15			
SR4	8/6/2017 5:57	0.23				SR12	8/6/2017 5:57	0.16			
SR4						SR12					
SR4	8/6/2017 6:37	0.22				SR12	8/6/2017 6:37	0.17			
SR4	8/6/2017 6:57	0.20				SR12	8/6/2017 6:57	0.16			
SR4	8/6/2017 7:17	0.24				SR12	8/6/2017 7:17	0.17			
SR4	8/6/2017 7:37	0.21				SR12	8/6/2017 7:37	0.16			
SR4	8/6/2017 7:57	0.21				SR12	8/6/2017 7:57	0.17			
SR4	8/6/2017 8:17	0.20				SR12	8/6/2017 8:17	0.16			
SR4	8/6/2017 8:37	0.21				SR12	8/6/2017 8:37	0.16			
SR4	8/6/2017 8:57	0.21				SR12	8/6/2017 8:57	0.15			
SR4	8/6/2017 9:17	0.21				SR12	8/6/2017 9:17	0.14			
SR4	8/6/2017 9:37	0.22				SR12	8/6/2017 9:37	0.14			
SR4	8/6/2017 9:57	0.20				SR12	8/6/2017 9:57	0.13			
SR4	8/6/2017 10:17	0.17				SR12	8/6/2017 10:17	0.11			
SR4	8/6/2017 10:37	0.16				SR12	8/6/2017 10:37	0.13			
SR4	8/6/2017 10:57	0.17				SR12	8/6/2017 10:57	0.10			
SR4	8/6/2017 11:17	0.15				SR12	8/6/2017 11:17	0.10			
SR4	8/6/2017 11:37	0.17				SR12	8/6/2017 11:37	0.13			
SR4	8/6/2017 11:57	0.15				SR12	8/6/2017 11:57	0.11			
SR4	8/6/2017 12:17	0.18				SR12	8/6/2017 12:17	0.10			
SR4	8/6/2017 12:37	0.16				SR12	8/6/2017 12:37	0.10			
SR4	8/6/2017 12:57	0.16				SR12	8/6/2017 12:57	0.12			
SR4	8/6/2017 13:17	0.15				SR12	8/6/2017 13:17	0.13			
SR4	8/6/2017 13:37	0.16				SR12	8/6/2017 13:37	0.12			
SR4	8/6/2017 13:57	0.15				SR12	8/6/2017 13:57	0.13			
SR4	8/6/2017 14:17	0.16				SR12	8/6/2017 14:17	0.12			
SR4	8/6/2017 14:37	0.16				SR12	8/6/2017 14:37	0.11			
SR4	8/6/2017 14:57	0.18				SR12	8/6/2017 14:57	0.11			
SR4	8/6/2017 15:17	0.15				SR12	8/6/2017 15:17	0.12			
SR4	8/6/2017 15:37	0.18				SR12	8/6/2017 15:37	0.12			
SR4	8/6/2017 15:57	0.16				SR12	8/6/2017 15:57	0.11			
SR4	8/6/2017 16:17	0.18				SR12	8/6/2017 16:17	0.10			
SR4	8/6/2017 16:37	0.17				SR12	8/6/2017 16:37	0.12			
SR4	8/6/2017 16:57	0.15				SR12	8/6/2017 16:57	0.11			
SR4	8/6/2017 17:17	0.15				SR12	8/6/2017 17:17	0.13			
SR4	8/6/2017 17:37	0.15				SR12	8/6/2017 17:37	0.12			
SR4	8/6/2017 17:57	0.12				SR12	8/6/2017 17:57	0.10			
SR4	8/6/2017 18:17	0.13				SR12	8/6/2017 18:17	0.11			
SR4	8/6/2017 18:37	0.13				SR12	8/6/2017 18:37	0.13			
SR4	8/6/2017 18:57	0.12				SR12	8/6/2017 18:57	0.13			
SR4	8/6/2017 19:17	0.14				SR12	8/6/2017 19:17	0.10			
SR4	8/6/2017 19:37	0.12				SR12	8/6/2017 19:37	0.13			
SR4	8/6/2017 19:57	0.11				SR12	8/6/2017 19:57	0.10			
SR4	8/6/2017 20:17	0.14				SR12	8/6/2017 20:17	0.10			
SR4	8/6/2017 20:37	0.14				SR12	8/6/2017 20:37	0.10			
SR4	8/6/2017 20:57	0.11				SR12	8/6/2017 20:57	0.11			
SR4	8/6/2017 21:17	0.14				SR12	8/6/2017 21:17	0.10			
SR4	8/6/2017 21:37	0.13				SR12	8/6/2017 21:37	0.11			
SR4	8/6/2017 21:57	0.14				SR12	8/6/2017 21:57	0.11			
SR4	8/6/2017 22:17	0.11				SR12	8/6/2017 22:17	0.12			
SR4	8/6/2017 22:37	0.12				SR12	8/6/2017 22:37	0.12			
SR4	8/6/2017 22:57	0.11				SR12	8/6/2017 22:57	0.13			
SR4	8/6/2017 23:17	0.12				SR12	8/6/2017 23:17	0.11			
SR4	8/6/2017 23:37	0.10				SR12	8/6/2017 23:37	0.13			
SR4	8/6/2017 23:57	0.12				SR12	8/6/2017 23:57	0.12			

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	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/7/2017 0:17	0.12				SR12	8/7/2017 0:17	0.12			
SR4	8/7/2017 0:37	0.12				SR12	8/7/2017 0:37	0.10			
SR4	8/7/2017 0:57	0.10				SR12	8/7/2017 0:57	0.12			
SR4	8/7/2017 1:17	0.09				SR12	8/7/2017 1:17	0.10			
SR4	8/7/2017 1:37	0.11				SR12	8/7/2017 1:37	0.10			
SR4	8/7/2017 1:57	0.12				SR12	8/7/2017 1:57	0.12			
SR4	8/7/2017 2:17	0.09				SR12	8/7/2017 2:17	0.12			
SR4	8/7/2017 2:37	0.09				SR12	8/7/2017 2:37	0.10			
SR4	8/7/2017 2:57	0.13				SR12	8/7/2017 2:57	0.12			
SR4	8/7/2017 3:17	0.13				SR12	8/7/2017 3:17	0.11			
SR4	8/7/2017 3:37	0.10				SR12	8/7/2017 3:37	0.10			
SR4	8/7/2017 3:57	0.12				SR12	8/7/2017 3:57	0.08			
SR4	8/7/2017 4:17	0.09				SR12	8/7/2017 4:17	0.08			
SR4	8/7/2017 4:37	0.12				SR12	8/7/2017 4:37	0.08			
SR4	8/7/2017 4:57	0.11				SR12	8/7/2017 4:57	0.08			
SR4	8/7/2017 5:17	0.12				SR12	8/7/2017 5:17	0.11			
SR4	8/7/2017 5:37	0.11				SR12	8/7/2017 5:37	0.10			
SR4	8/7/2017 5:57	0.09				SR12	8/7/2017 5:57	0.10			
SR4						SR12					
SR4	8/7/2017 6:37	0.10				SR12	8/7/2017 6:37	0.11			
SR4	8/7/2017 6:57	0.09				SR12	8/7/2017 6:57	0.09			
SR4	8/7/2017 7:17	0.12				SR12	8/7/2017 7:17	0.09			
SR4	8/7/2017 7:37	0.12				SR12	8/7/2017 7:37	0.09			
SR4	8/7/2017 7:57	0.10				SR12	8/7/2017 7:57	0.09			
SR4	8/7/2017 8:17	0.12				SR12	8/7/2017 8:17	0.08			
SR4	8/7/2017 8:37	0.12				SR12	8/7/2017 8:37	0.09			
SR4	8/7/2017 8:57	0.12				SR12	8/7/2017 8:57	0.08			
SR4	8/7/2017 9:17	0.12				SR12	8/7/2017 9:17	0.09			
SR4	8/7/2017 9:37	0.12				SR12	8/7/2017 9:37	0.10			
SR4	8/7/2017 9:57	0.09				SR12					
SR4	8/7/2017 10:17	0.10				SR12					
SR4	8/7/2017 10:37	0.12				SR12					
SR4	8/7/2017 10:57	0.10				SR12					
SR4	8/7/2017 11:17	0.11				SR12					
SR4	8/7/2017 11:37	0.11				SR12	8/7/2017 11:37	0.09			
SR4	8/7/2017 11:57	0.09				SR12	8/7/2017 11:57	0.11			
SR4						SR12	8/7/2017 12:17	0.09			
SR4						SR12	8/7/2017 12:37	0.10			
SR4						SR12	8/7/2017 12:57	0.08			
SR4						SR12	8/7/2017 13:17	0.11			
SR4	8/7/2017 13:37	0.11				SR12	8/7/2017 13:37	0.08			
SR4	8/7/2017 13:57	0.09				SR12	8/7/2017 13:57	0.08			
SR4	8/7/2017 14:17	0.13				SR12	8/7/2017 14:17	0.10			
SR4	8/7/2017 14:37	0.11				SR12	8/7/2017 14:37	0.10			
SR4	8/7/2017 14:57	0.09				SR12	8/7/2017 14:57	0.08			
SR4	8/7/2017 15:17	0.13				SR12	8/7/2017 15:17	0.11			
SR4	8/7/2017 15:37	0.13				SR12	8/7/2017 15:37	0.11			
SR4	8/7/2017 15:57	0.10				SR12	8/7/2017 15:57	0.10			
SR4	8/7/2017 16:17	0.12				SR12	8/7/2017 16:17	0.09			
SR4	8/7/2017 16:37	0.09				SR12	8/7/2017 16:37	0.09			
SR4	8/7/2017 16:57	0.08				SR12	8/7/2017 16:57	0.08			
SR4	8/7/2017 17:17	0.07				SR12	8/7/2017 17:17	0.08			
SR4	8/7/2017 17:37	0.09				SR12	8/7/2017 17:37	0.11			
SR4	8/7/2017 17:57	0.09				SR12	8/7/2017 17:57	0.08			
SR4	8/7/2017 18:17	0.10				SR12	8/7/2017 18:17	0.08			
SR4	8/7/2017 18:37	0.10				SR12	8/7/2017 18:37	0.09			
SR4	8/7/2017 18:57	0.08				SR12	8/7/2017 18:57	0.09			
SR4	8/7/2017 19:17	0.09				SR12	8/7/2017 19:17	0.09			
SR4	8/7/2017 19:37	0.07				SR12	8/7/2017 19:37	0.10			
SR4	8/7/2017 19:57	0.07				SR12	8/7/2017 19:57	0.11			
SR4	8/7/2017 20:17	0.08				SR12	8/7/2017 20:17	0.08			
SR4	8/7/2017 20:37	0.07				SR12	8/7/2017 20:37	0.09			
SR4	8/7/2017 20:57	0.09				SR12	8/7/2017 20:57	0.08			
SR4	8/7/2017 21:17	0.08				SR12	8/7/2017 21:17	0.10			
SR4	8/7/2017 21:37	0.09				SR12	8/7/2017 21:37	0.07			
SR4	8/7/2017 21:57	0.07				SR12	8/7/2017 21:57	0.07			
SR4	8/7/2017 22:17	0.08				SR12	8/7/2017 22:17	0.11			
SR4	8/7/2017 22:37	0.08				SR12	8/7/2017 22:37	0.11			
SR4	8/7/2017 22:57	0.08				SR12	8/7/2017 22:57	0.09			
SR4	8/7/2017 23:17	0.07				SR12	8/7/2017 23:17	0.11			
SR4	8/7/2017 23:37	0.08				SR12	8/7/2017 23:37	0.08			
SR4	8/7/2017 23:57	0.09				SR12	8/7/2017 23:57	0.11			

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 12:06-13:11.

SR12 monitoring station was under maintenance during 9:41-11:01.

SR13 monitoring station was under maintenance during 14:40-15:00.









24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/8/2017 0:17	0.07				SR12	8/8/2017 0:17	0.11			
SR4	8/8/2017 0:37	0.10				SR12	8/8/2017 0:37	0.08			
SR4	8/8/2017 0:57	0.07				SR12	8/8/2017 0:57	0.08			
SR4	8/8/2017 1:17	0.09				SR12	8/8/2017 1:17	0.09			
SR4	8/8/2017 1:37	0.08				SR12	8/8/2017 1:37	0.10			
SR4	8/8/2017 1:57	0.09				SR12	8/8/2017 1:57	0.07			
SR4	8/8/2017 2:17	0.09				SR12	8/8/2017 2:17	0.08			
SR4	8/8/2017 2:37	0.10				SR12	8/8/2017 2:37	0.09			
SR4	8/8/2017 2:57	0.08				SR12	8/8/2017 2:57	0.08			
SR4	8/8/2017 3:17	0.10				SR12	8/8/2017 3:17	0.08			
SR4	8/8/2017 3:37	0.07				SR12	8/8/2017 3:37	0.09			
SR4	8/8/2017 3:57	0.10				SR12	8/8/2017 3:57	0.11			
SR4	8/8/2017 4:17	0.10				SR12	8/8/2017 4:17	0.08			
SR4	8/8/2017 4:37	0.09				SR12	8/8/2017 4:37	0.07			
SR4	8/8/2017 4:57	0.08				SR12	8/8/2017 4:57	0.09			
SR4	8/8/2017 5:17	0.07				SR12	8/8/2017 5:17	0.10			
SR4	8/8/2017 5:37	0.10				SR12	8/8/2017 5:37	0.10			
SR4	8/8/2017 5:57	0.09				SR12	8/8/2017 5:57	0.09			
SR4						SR12					
SR4	8/8/2017 6:37	0.08				SR12	8/8/2017 6:37	0.11			
SR4	8/8/2017 6:57	0.07				SR12	8/8/2017 6:57	0.11			
SR4	8/8/2017 7:17	0.10				SR12	8/8/2017 7:17	0.11			
SR4	8/8/2017 7:37	0.07				SR12	8/8/2017 7:37	0.11			
SR4	8/8/2017 7:57	0.07				SR12	8/8/2017 7:57	0.10			
SR4	8/8/2017 8:17	0.08				SR12	8/8/2017 8:17	0.07			
SR4	8/8/2017 8:37	0.08				SR12	8/8/2017 8:37	0.08			
SR4	8/8/2017 8:57	0.07				SR12	8/8/2017 8:57	0.11			
SR4	8/8/2017 9:17	0.09				SR12	8/8/2017 9:17	0.10			
SR4	8/8/2017 9:37	0.10				SR12	8/8/2017 9:37	0.09			
SR4	8/8/2017 9:57	0.10				SR12	8/8/2017 9:57	0.07			
SR4	8/8/2017 10:17	0.09				SR12	8/8/2017 10:17	0.10			
SR4	8/8/2017 10:37	0.07				SR12	8/8/2017 10:37	0.07			
SR4	8/8/2017 10:57	0.08				SR12	8/8/2017 10:57	0.10			
SR4	8/8/2017 11:17	0.05				SR12	8/8/2017 11:17	0.10			
SR4	8/8/2017 11:37	0.05				SR12	8/8/2017 11:37	0.11			
SR4	8/8/2017 11:57	0.08				SR12	8/8/2017 11:57	0.11			
SR4	8/8/2017 12:17	0.08				SR12	8/8/2017 12:17	0.09			
SR4	8/8/2017 12:37	0.05				SR12	8/8/2017 12:37	0.07			
SR4	8/8/2017 12:57	0.06				SR12	8/8/2017 12:57	0.10			
SR4	8/8/2017 13:17	0.06				SR12	8/8/2017 13:17	0.07			
SR4	8/8/2017 13:37	0.05				SR12	8/8/2017 13:37	0.09			
SR4	8/8/2017 13:57	0.08				SR12	8/8/2017 13:57	0.08			
SR4	8/8/2017 14:17	0.08				SR12	8/8/2017 14:17	0.10			
SR4	8/8/2017 14:37	0.06				SR12	8/8/2017 14:37	0.09			
SR4	8/8/2017 14:57	0.05				SR12	8/8/2017 14:57	0.09			
SR4	8/8/2017 15:17	0.08				SR12	8/8/2017 15:17	0.11			
SR4	8/8/2017 15:37	0.06				SR12	8/8/2017 15:37	0.07			
SR4	8/8/2017 15:57	0.08				SR12	8/8/2017 15:57	0.11			
SR4	8/8/2017 16:17	0.05				SR12	8/8/2017 16:17	0.11			
SR4	8/8/2017 16:37	0.06				SR12	8/8/2017 16:37	0.08			
SR4	8/8/2017 16:57	0.05				SR12	8/8/2017 16:57	0.07			
SR4	8/8/2017 17:17	0.08				SR12	8/8/2017 17:17	0.11			
SR4	8/8/2017 17:37	0.07				SR12	8/8/2017 17:37	0.10			
SR4	8/8/2017 17:57	0.08				SR12	8/8/2017 17:57	0.11			
SR4	8/8/2017 18:17	0.06				SR12	8/8/2017 18:17	0.08			
SR4	8/8/2017 18:37	0.08				SR12	8/8/2017 18:37	0.10			
SR4	8/8/2017 18:57	0.08				SR12	8/8/2017 18:57	0.07			
SR4	8/8/2017 19:17	0.08				SR12	8/8/2017 19:17	0.08			
SR4	8/8/2017 19:37	0.08				SR12	8/8/2017 19:37	0.09			
SR4	8/8/2017 19:57	0.08				SR12	8/8/2017 19:57	0.11			
SR4	8/8/2017 20:17	0.05				SR12	8/8/2017 20:17	0.10			
SR4	8/8/2017 20:37	0.05				SR12	8/8/2017 20:37	0.09			
SR4	8/8/2017 20:57	0.06				SR12	8/8/2017 20:57	0.09			
SR4	8/8/2017 21:17	0.06				SR12	8/8/2017 21:17	0.11			
SR4	8/8/2017 21:37	0.06				SR12	8/8/2017 21:37	0.08			
SR4	8/8/2017 21:57	0.07				SR12	8/8/2017 21:57	0.09			
SR4	8/8/2017 22:17	0.06				SR12	8/8/2017 22:17	0.09			
SR4	8/8/2017 22:37	0.07				SR12	8/8/2017 22:37	0.11			
SR4	8/8/2017 22:57	0.08				SR12	8/8/2017 22:57	0.07			
SR4	8/8/2017 23:17	0.07				SR12	8/8/2017 23:17	0.09			
SR4	8/8/2017 23:37	0.08				SR12	8/8/2017 23:37	0.10			
SR4	8/8/2017 23:57	0.07				SR12	8/8/2017 23:57	0.09			

Remark: Fonts with underline: Action Level Exceedance

**Fonts in Bold with underline: Limit Level Exceedance**

Automatic Instrument calibration of NH<sub>3</sub>-N monitor was carried out during 5:57-6:37 at SR4 and SR12. SR5 monitoring station was under maintenance during 9:20-9:40.











24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/9/2017 0:17	0.05				SR12	8/9/2017 0:17	0.07			
SR4	8/9/2017 0:37	0.08				SR12	8/9/2017 0:37	0.10			
SR4	8/9/2017 0:57	0.08				SR12	8/9/2017 0:57	0.08			
SR4	8/9/2017 1:17	0.08				SR12	8/9/2017 1:17	0.07			
SR4	8/9/2017 1:37	0.08				SR12	8/9/2017 1:37	0.08			
SR4	8/9/2017 1:57	0.05				SR12	8/9/2017 1:57	0.08			
SR4	8/9/2017 2:17	0.06				SR12	8/9/2017 2:17	0.07			
SR4	8/9/2017 2:37	0.07				SR12	8/9/2017 2:37	0.11			
SR4	8/9/2017 2:57	0.06				SR12	8/9/2017 2:57	0.08			
SR4	8/9/2017 3:17	0.06				SR12	8/9/2017 3:17	0.10			
SR4	8/9/2017 3:37	0.05				SR12	8/9/2017 3:37	0.10			
SR4	8/9/2017 3:57	0.08				SR12	8/9/2017 3:57	0.10			
SR4	8/9/2017 4:17	0.10				SR12	8/9/2017 4:17	0.10			
SR4	8/9/2017 4:37	0.11				SR12	8/9/2017 4:37	0.07			
SR4	8/9/2017 4:57	0.12				SR12	8/9/2017 4:57	0.10			
SR4	8/9/2017 5:17	0.09				SR12	8/9/2017 5:17	0.11			
SR4	8/9/2017 5:37	0.09				SR12	8/9/2017 5:37	0.11			
SR4	8/9/2017 5:57	0.09				SR12	8/9/2017 5:57	0.10			
SR4						SR12					
SR4	8/9/2017 6:37	0.11				SR12	8/9/2017 6:37	0.09			
SR4	8/9/2017 6:57	0.09				SR12	8/9/2017 6:57	0.11			
SR4	8/9/2017 7:17	0.10				SR12	8/9/2017 7:17	0.10			
SR4	8/9/2017 7:37	0.09				SR12	8/9/2017 7:37	0.11			
SR4	8/9/2017 7:57	0.10				SR12	8/9/2017 7:57	0.10			
SR4	8/9/2017 8:17	0.10				SR12	8/9/2017 8:17	0.10			
SR4	8/9/2017 8:37	0.10				SR12	8/9/2017 8:37	0.13			
SR4	8/9/2017 8:57	0.12				SR12	8/9/2017 8:57	0.10			
SR4	8/9/2017 9:17	0.12				SR12	8/9/2017 9:17	0.13			
SR4	8/9/2017 9:37	0.12				SR12	8/9/2017 9:37	0.10			
SR4	8/9/2017 9:57	0.13				SR12	8/9/2017 9:57	0.10			
SR4	8/9/2017 10:17	0.14				SR12	8/9/2017 10:17	0.10			
SR4	8/9/2017 10:37	0.14				SR12	8/9/2017 10:37	0.13			
SR4	8/9/2017 10:57	0.14				SR12	8/9/2017 10:57	0.10			
SR4	8/9/2017 11:17	0.14				SR12	8/9/2017 11:17	0.14			
SR4	8/9/2017 11:37	0.12				SR12	8/9/2017 11:37	0.14			
SR4	8/9/2017 11:57	0.12				SR12	8/9/2017 11:57	0.10			
SR4	8/9/2017 12:17	0.16				SR12	8/9/2017 12:17	0.14			
SR4	8/9/2017 12:37	0.13				SR12	8/9/2017 12:37	0.13			
SR4	8/9/2017 12:57	0.16				SR12	8/9/2017 12:57	0.11			
SR4	8/9/2017 13:17	0.15				SR12	8/9/2017 13:17	0.13			
SR4	8/9/2017 13:37	0.16				SR12	8/9/2017 13:37	0.13			
SR4	8/9/2017 13:57	0.15				SR12	8/9/2017 13:57	0.11			
SR4	8/9/2017 14:17	0.15				SR12	8/9/2017 14:17	0.14			
SR4	8/9/2017 14:37	0.14				SR12	8/9/2017 14:37	0.13			
SR4	8/9/2017 14:57	0.16				SR12	8/9/2017 14:57	0.10			
SR4	8/9/2017 15:17	0.15				SR12	8/9/2017 15:17	0.12			
SR4	8/9/2017 15:37	0.15				SR12	8/9/2017 15:37	0.13			
SR4	8/9/2017 15:57	0.14				SR12	8/9/2017 15:57	0.10			
SR4	8/9/2017 16:17	0.16				SR12	8/9/2017 16:17	0.14			
SR4	8/9/2017 16:37	0.17				SR12	8/9/2017 16:37	0.12			
SR4	8/9/2017 16:57	0.17				SR12	8/9/2017 16:57	0.11			
SR4	8/9/2017 17:17	0.15				SR12	8/9/2017 17:17	0.11			
SR4	8/9/2017 17:37	0.16				SR12	8/9/2017 17:37	0.13			
SR4	8/9/2017 17:57	0.19				SR12	8/9/2017 17:57	0.13			
SR4	8/9/2017 18:17	0.17				SR12	8/9/2017 18:17	0.14			
SR4	8/9/2017 18:37	0.15				SR12	8/9/2017 18:37	0.13			
SR4	8/9/2017 18:57	0.16				SR12	8/9/2017 18:57	0.12			
SR4	8/9/2017 19:17	0.16				SR12	8/9/2017 19:17	0.12			
SR4	8/9/2017 19:37	0.15				SR12	8/9/2017 19:37	0.12			
SR4	8/9/2017 19:57	0.19				SR12	8/9/2017 19:57	0.12			
SR4	8/9/2017 20:17	0.15				SR12	8/9/2017 20:17	0.10			
SR4	8/9/2017 20:37	0.17				SR12	8/9/2017 20:37	0.14			
SR4	8/9/2017 20:57	0.15				SR12	8/9/2017 20:57	0.11			
SR4	8/9/2017 21:17	0.16				SR12	8/9/2017 21:17	0.12			
SR4	8/9/2017 21:37	0.19				SR12	8/9/2017 21:37	0.13			
SR4	8/9/2017 21:57	0.19				SR12	8/9/2017 21:57	0.11			
SR4	8/9/2017 22:17	0.18				SR12	8/9/2017 22:17	0.13			
SR4	8/9/2017 22:37	0.19				SR12	8/9/2017 22:37	0.14			
SR4	8/9/2017 22:57	0.16				SR12	8/9/2017 22:57	0.14			
SR4	8/9/2017 23:17	0.16				SR12	8/9/2017 23:17	0.14			
SR4	8/9/2017 23:37	0.19				SR12	8/9/2017 23:37	0.13			
SR4	8/9/2017 23:57	0.15				SR12	8/9/2017 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. SR13 monitoring station was under maintenance during 13:50-14:10.









24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/10/2017 0:17	0.15				SR12	8/10/2017 0:17	0.15			
SR4	8/10/2017 0:37	0.15				SR12	8/10/2017 0:37	0.14			
SR4	8/10/2017 0:57	0.19				SR12	8/10/2017 0:57	0.16			
SR4	8/10/2017 1:17	0.19				SR12	8/10/2017 1:17	0.13			
SR4	8/10/2017 1:37	0.16				SR12	8/10/2017 1:37	0.17			
SR4	8/10/2017 1:57	0.16				SR12	8/10/2017 1:57	0.14			
SR4	8/10/2017 2:17	0.17				SR12	8/10/2017 2:17	0.12			
SR4	8/10/2017 2:37	0.17				SR12	8/10/2017 2:37	0.14			
SR4	8/10/2017 2:57	0.17				SR12	8/10/2017 2:57	0.14			
SR4	8/10/2017 3:17	0.18				SR12	8/10/2017 3:17	0.16			
SR4	8/10/2017 3:37	0.19				SR12	8/10/2017 3:37	0.14			
SR4	8/10/2017 3:57	0.17				SR12	8/10/2017 3:57	0.13			
SR4	8/10/2017 4:17	0.17				SR12	8/10/2017 4:17	0.12			
SR4	8/10/2017 4:37	0.17				SR12	8/10/2017 4:37	0.17			
SR4	8/10/2017 4:57	0.19				SR12	8/10/2017 4:57	0.17			
SR4	8/10/2017 5:17	0.16				SR12	8/10/2017 5:17	0.14			
SR4	8/10/2017 5:37	0.16				SR12	8/10/2017 5:37	0.12			
SR4	8/10/2017 5:57	0.20				SR12	8/10/2017 5:57	0.17			
SR4						SR12					
SR4	8/10/2017 6:37	0.16				SR12	8/10/2017 6:37	0.16			
SR4	8/10/2017 6:57	0.17				SR12	8/10/2017 6:57	0.17			
SR4	8/10/2017 7:17	0.18				SR12	8/10/2017 7:17	0.14			
SR4	8/10/2017 7:37	0.20				SR12	8/10/2017 7:37	0.13			
SR4	8/10/2017 7:57	0.18				SR12	8/10/2017 7:57	0.15			
SR4	8/10/2017 8:17	0.16				SR12	8/10/2017 8:17	0.17			
SR4	8/10/2017 8:37	0.18				SR12	8/10/2017 8:37	0.12			
SR4	8/10/2017 8:57	0.18				SR12	8/10/2017 8:57	0.13			
SR4	8/10/2017 9:17	0.18				SR12	8/10/2017 9:17	0.13			
SR4	8/10/2017 9:37	0.20				SR12	8/10/2017 9:37	0.17			
SR4	8/10/2017 9:57	0.19				SR12	8/10/2017 9:57	0.13			
SR4	8/10/2017 10:17	0.19				SR12	8/10/2017 10:17	0.16			
SR4	8/10/2017 10:37	0.16				SR12	8/10/2017 10:37	0.16			
SR4	8/10/2017 10:57	0.18				SR12	8/10/2017 10:57	0.13			
SR4	8/10/2017 11:17	0.20				SR12	8/10/2017 11:17	0.14			
SR4	8/10/2017 11:37	0.18				SR12	8/10/2017 11:37	0.14			
SR4	8/10/2017 11:57	0.18				SR12	8/10/2017 11:57	0.17			
SR4	8/10/2017 12:17	0.19				SR12	8/10/2017 12:17	0.14			
SR4	8/10/2017 12:37	0.20				SR12	8/10/2017 12:37	0.16			
SR4	8/10/2017 12:57	0.20				SR12	8/10/2017 12:57	0.12			
SR4	8/10/2017 13:17	0.17				SR12	8/10/2017 13:17	0.17			
SR4	8/10/2017 13:37	0.18				SR12	8/10/2017 13:37	0.16			
SR4	8/10/2017 13:57	0.16				SR12	8/10/2017 13:57	0.16			
SR4	8/10/2017 14:17	0.19				SR12	8/10/2017 14:17	0.17			
SR4	8/10/2017 14:37	0.15				SR12	8/10/2017 14:37	0.15			
SR4	8/10/2017 14:57	0.18				SR12	8/10/2017 14:57	0.14			
SR4	8/10/2017 15:17	0.19				SR12	8/10/2017 15:17	0.14			
SR4	8/10/2017 15:37	0.14				SR12	8/10/2017 15:37	0.14			
SR4	8/10/2017 15:57	0.14				SR12	8/10/2017 15:57	0.13			
SR4	8/10/2017 16:17	0.16				SR12	8/10/2017 16:17	0.11			
SR4	8/10/2017 16:37	0.19				SR12	8/10/2017 16:37	0.11			
SR4	8/10/2017 16:57	0.15				SR12	8/10/2017 16:57	0.11			
SR4	8/10/2017 17:17	0.15				SR12	8/10/2017 17:17	0.13			
SR4	8/10/2017 17:37	0.19				SR12	8/10/2017 17:37	0.12			
SR4	8/10/2017 17:57	0.15				SR12	8/10/2017 17:57	0.13			
SR4	8/10/2017 18:17	0.16				SR12	8/10/2017 18:17	0.14			
SR4	8/10/2017 18:37	0.14				SR12	8/10/2017 18:37	0.14			
SR4	8/10/2017 18:57	0.19				SR12	8/10/2017 18:57	0.12			
SR4	8/10/2017 19:17	0.16				SR12	8/10/2017 19:17	0.12			
SR4	8/10/2017 19:37	0.19				SR12	8/10/2017 19:37	0.11			
SR4	8/10/2017 19:57	0.19				SR12	8/10/2017 19:57	0.12			
SR4	8/10/2017 20:17	0.19				SR12	8/10/2017 20:17	0.11			
SR4	8/10/2017 20:37	0.18				SR12	8/10/2017 20:37	0.12			
SR4	8/10/2017 20:57	0.15				SR12	8/10/2017 20:57	0.13			
SR4	8/10/2017 21:17	0.15				SR12	8/10/2017 21:17	0.12			
SR4	8/10/2017 21:37	0.18				SR12	8/10/2017 21:37	0.11			
SR4	8/10/2017 21:57	0.14				SR12	8/10/2017 21:57	0.11			
SR4	8/10/2017 22:17	0.14				SR12	8/10/2017 22:17	0.10			
SR4	8/10/2017 22:37	0.17				SR12	8/10/2017 22:37	0.11			
SR4	8/10/2017 22:57	0.14				SR12	8/10/2017 22:57	0.10			
SR4	8/10/2017 23:17	0.16				SR12	8/10/2017 23:17	0.09			
SR4	8/10/2017 23:37	0.19				SR12	8/10/2017 23:37	0.07			
SR4	8/10/2017 23:57	0.17				SR12	8/10/2017 23:57	0.08			

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 9:55-10:20.











24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/11/2017 0:17	0.16				SR12	8/11/2017 0:17	0.11			
SR4	8/11/2017 0:37	0.17				SR12	8/11/2017 0:37	0.10			
SR4	8/11/2017 0:57	0.15				SR12	8/11/2017 0:57	0.12			
SR4	8/11/2017 1:17	0.14				SR12	8/11/2017 1:17	0.11			
SR4	8/11/2017 1:37	0.11				SR12	8/11/2017 1:37	0.12			
SR4	8/11/2017 1:57	0.11				SR12	8/11/2017 1:57	0.13			
SR4	8/11/2017 2:17	0.13				SR12	8/11/2017 2:17	0.14			
SR4	8/11/2017 2:37	0.11				SR12	8/11/2017 2:37	0.11			
SR4	8/11/2017 2:57	0.12				SR12	8/11/2017 2:57	0.10			
SR4	8/11/2017 3:17	0.12				SR12	8/11/2017 3:17	0.14			
SR4	8/11/2017 3:37	0.14				SR12	8/11/2017 3:37	0.14			
SR4	8/11/2017 3:57	0.13				SR12	8/11/2017 3:57	0.10			
SR4	8/11/2017 4:17	0.13				SR12	8/11/2017 4:17	0.10			
SR4	8/11/2017 4:37	0.12				SR12	8/11/2017 4:37	0.10			
SR4	8/11/2017 4:57	0.14				SR12	8/11/2017 4:57	0.10			
SR4	8/11/2017 5:17	0.12				SR12	8/11/2017 5:17	0.14			
SR4	8/11/2017 5:37	0.13				SR12	8/11/2017 5:37	0.10			
SR4	8/11/2017 5:57	0.12				SR12	8/11/2017 5:57	0.12			
SR4						SR12					
SR4	8/11/2017 6:37	0.13				SR12	8/11/2017 6:37	0.13			
SR4	8/11/2017 6:57	0.11				SR12	8/11/2017 6:57	0.13			
SR4	8/11/2017 7:17	0.13				SR12	8/11/2017 7:17	0.12			
SR4	8/11/2017 7:37	0.13				SR12	8/11/2017 7:37	0.10			
SR4	8/11/2017 7:57	0.11				SR12	8/11/2017 7:57	0.10			
SR4	8/11/2017 8:17	0.13				SR12	8/11/2017 8:17	0.12			
SR4	8/11/2017 8:37	0.11				SR12	8/11/2017 8:37	0.10			
SR4	8/11/2017 8:57	0.11				SR12	8/11/2017 8:57	0.12			
SR4	8/11/2017 9:17	0.11				SR12	8/11/2017 9:17	0.10			
SR4	8/11/2017 9:37	0.11				SR12	8/11/2017 9:37	0.12			
SR4	8/11/2017 9:57	0.12				SR12					
SR4	8/11/2017 10:17	0.10				SR12					
SR4	8/11/2017 10:37	0.09				SR12					
SR4	8/11/2017 10:57	0.11				SR12					
SR4	8/11/2017 11:17	0.12				SR12					
SR4	8/11/2017 11:37	0.09				SR12	8/11/2017 11:37	0.13			
SR4	8/11/2017 11:57	0.09				SR12	8/11/2017 11:57	0.12			
SR4						SR12	8/11/2017 12:17	0.13			
SR4						SR12	8/11/2017 12:37	0.12			
SR4						SR12	8/11/2017 12:57	0.14			
SR4						SR12	8/11/2017 13:17	0.13			
SR4						SR12	8/11/2017 13:37	0.12			
SR4	8/11/2017 13:57	0.09				SR12	8/11/2017 13:57	0.14			
SR4	8/11/2017 14:17	0.09				SR12	8/11/2017 14:17	0.11			
SR4	8/11/2017 14:37	0.10				SR12	8/11/2017 14:37	0.11			
SR4	8/11/2017 14:57	0.09				SR12	8/11/2017 14:57	0.10			
SR4	8/11/2017 15:17	0.10				SR12	8/11/2017 15:17	0.11			
SR4	8/11/2017 15:37	0.09				SR12	8/11/2017 15:37	0.14			
SR4	8/11/2017 15:57	0.07				SR12	8/11/2017 15:57	0.14			
SR4	8/11/2017 16:17	0.07				SR12	8/11/2017 16:17	0.14			
SR4	8/11/2017 16:37	0.10				SR12	8/11/2017 16:37	0.12			
SR4	8/11/2017 16:57	0.09				SR12	8/11/2017 16:57	0.14			
SR4	8/11/2017 17:17	0.06				SR12	8/11/2017 17:17	0.11			
SR4	8/11/2017 17:37	0.08				SR12	8/11/2017 17:37	0.12			
SR4	8/11/2017 17:57	0.06				SR12	8/11/2017 17:57	0.12			
SR4	8/11/2017 18:17	0.09				SR12	8/11/2017 18:17	0.12			
SR4	8/11/2017 18:37	0.06				SR12	8/11/2017 18:37	0.12			
SR4	8/11/2017 18:57	0.06				SR12	8/11/2017 18:57	0.14			
SR4	8/11/2017 19:17	0.10				SR12	8/11/2017 19:17	0.13			
SR4	8/11/2017 19:37	0.06				SR12	8/11/2017 19:37	0.13			
SR4	8/11/2017 19:57	0.07				SR12	8/11/2017 19:57	0.12			
SR4	8/11/2017 20:17	0.09				SR12	8/11/2017 20:17	0.11			
SR4	8/11/2017 20:37	0.10				SR12	8/11/2017 20:37	0.12			
SR4	8/11/2017 20:57	0.08				SR12	8/11/2017 20:57	0.13			
SR4	8/11/2017 21:17	0.08				SR12	8/11/2017 21:17	0.10			
SR4	8/11/2017 21:37	0.06				SR12	8/11/2017 21:37	0.11			
SR4	8/11/2017 21:57	0.08				SR12	8/11/2017 21:57	0.11			
SR4	8/11/2017 22:17	0.04				SR12	8/11/2017 22:17	0.11			
SR4	8/11/2017 22:37	0.05				SR12	8/11/2017 22:37	0.11			
SR4	8/11/2017 22:57	0.05				SR12	8/11/2017 22:57	0.10			
SR4	8/11/2017 23:17	0.06				SR12	8/11/2017 23:17	0.11			
SR4	8/11/2017 23:37	0.06				SR12	8/11/2017 23:37	0.12			
SR4	8/11/2017 23:57	0.06				SR12	8/11/2017 23:57	0.12			

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 12:16-13:21.

SR12 monitoring station was under maintenance during 9:56-11:06.











24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/12/2017 0:17	0.08				SR12	8/12/2017 0:17	0.09			
SR4	8/12/2017 0:37	0.04				SR12	8/12/2017 0:37	0.13			
SR4	8/12/2017 0:57	0.06				SR12	8/12/2017 0:57	0.11			
SR4	8/12/2017 1:17	0.07				SR12	8/12/2017 1:17	0.09			
SR4	8/12/2017 1:37	0.04				SR12	8/12/2017 1:37	0.10			
SR4	8/12/2017 1:57	0.04				SR12	8/12/2017 1:57	0.11			
SR4	8/12/2017 2:17	0.08				SR12	8/12/2017 2:17	0.11			
SR4	8/12/2017 2:37	0.05				SR12	8/12/2017 2:37	0.10			
SR4	8/12/2017 2:57	0.08				SR12	8/12/2017 2:57	0.10			
SR4	8/12/2017 3:17	0.04				SR12	8/12/2017 3:17	0.12			
SR4	8/12/2017 3:37	0.08				SR12	8/12/2017 3:37	0.13			
SR4	8/12/2017 3:57	0.08				SR12	8/12/2017 3:57	0.12			
SR4	8/12/2017 4:17	0.05				SR12	8/12/2017 4:17	0.11			
SR4	8/12/2017 4:37	0.04				SR12	8/12/2017 4:37	0.13			
SR4	8/12/2017 4:57	0.06				SR12	8/12/2017 4:57	0.13			
SR4	8/12/2017 5:17	0.08				SR12	8/12/2017 5:17	0.12			
SR4	8/12/2017 5:37	0.08				SR12	8/12/2017 5:37	0.10			
SR4	8/12/2017 5:57	0.04				SR12	8/12/2017 5:57	0.09			
SR4						SR12					
SR4	8/12/2017 6:37	0.07				SR12	8/12/2017 6:37	0.11			
SR4	8/12/2017 6:57	0.06				SR12	8/12/2017 6:57	0.10			
SR4	8/12/2017 7:17	0.05				SR12	8/12/2017 7:17	0.09			
SR4	8/12/2017 7:37	0.06				SR12	8/12/2017 7:37	0.09			
SR4	8/12/2017 7:57	0.07				SR12	8/12/2017 7:57	0.13			
SR4	8/12/2017 8:17	0.07				SR12	8/12/2017 8:17	0.09			
SR4	8/12/2017 8:37	0.08				SR12	8/12/2017 8:37	0.11			
SR4	8/12/2017 8:57	0.07				SR12	8/12/2017 8:57	0.10			
SR4	8/12/2017 9:17	0.04				SR12	8/12/2017 9:17	0.13			
SR4	8/12/2017 9:37	0.04				SR12	8/12/2017 9:37	0.13			
SR4	8/12/2017 9:57	0.06				SR12	8/12/2017 9:57	0.11			
SR4	8/12/2017 10:17	0.07				SR12	8/12/2017 10:17	0.12			
SR4	8/12/2017 10:37	0.08				SR12	8/12/2017 10:37	0.09			
SR4	8/12/2017 10:57	0.06				SR12	8/12/2017 10:57	0.09			
SR4	8/12/2017 11:17	0.08				SR12	8/12/2017 11:17	0.13			
SR4	8/12/2017 11:37	0.06				SR12	8/12/2017 11:37	0.11			
SR4	8/12/2017 11:57	0.04				SR12	8/12/2017 11:57	0.12			
SR4	8/12/2017 12:17	0.06				SR12	8/12/2017 12:17	0.10			
SR4	8/12/2017 12:37	0.05				SR12	8/12/2017 12:37	0.09			
SR4	8/12/2017 12:57	0.08				SR12	8/12/2017 12:57	0.13			
SR4	8/12/2017 13:17	0.07				SR12	8/12/2017 13:17	0.09			
SR4	8/12/2017 13:37	0.04				SR12	8/12/2017 13:37	0.11			
SR4	8/12/2017 13:57	0.07				SR12	8/12/2017 13:57	0.10			
SR4	8/12/2017 14:17	0.05				SR12	8/12/2017 14:17	0.12			
SR4	8/12/2017 14:37	0.05				SR12	8/12/2017 14:37	0.12			
SR4	8/12/2017 14:57	0.08				SR12	8/12/2017 14:57	0.09			
SR4	8/12/2017 15:17	0.06				SR12	8/12/2017 15:17	0.08			
SR4	8/12/2017 15:37	0.07				SR12	8/12/2017 15:37	0.11			
SR4	8/12/2017 15:57	0.06				SR12	8/12/2017 15:57	0.09			
SR4	8/12/2017 16:17	0.05				SR12	8/12/2017 16:17	0.12			
SR4	8/12/2017 16:37	0.08				SR12	8/12/2017 16:37	0.12			
SR4	8/12/2017 16:57	0.08				SR12	8/12/2017 16:57	0.11			
SR4	8/12/2017 17:17	0.06				SR12	8/12/2017 17:17	0.10			
SR4	8/12/2017 17:37	0.07				SR12	8/12/2017 17:37	0.12			
SR4	8/12/2017 17:57	0.06				SR12	8/12/2017 17:57	0.12			
SR4	8/12/2017 18:17	0.08				SR12	8/12/2017 18:17	0.09			
SR4	8/12/2017 18:37	0.04				SR12	8/12/2017 18:37	0.12			
SR4	8/12/2017 18:57	0.05				SR12	8/12/2017 18:57	0.08			
SR4	8/12/2017 19:17	0.07				SR12	8/12/2017 19:17	0.10			
SR4	8/12/2017 19:37	0.05				SR12	8/12/2017 19:37	0.10			
SR4	8/12/2017 19:57	0.07				SR12	8/12/2017 19:57	0.11			
SR4	8/12/2017 20:17	0.07				SR12	8/12/2017 20:17	0.10			
SR4	8/12/2017 20:37	0.08				SR12	8/12/2017 20:37	0.11			
SR4	8/12/2017 20:57	0.05				SR12	8/12/2017 20:57	0.12			
SR4	8/12/2017 21:17	0.07				SR12	8/12/2017 21:17	0.10			
SR4	8/12/2017 21:37	0.04				SR12	8/12/2017 21:37	0.11			
SR4	8/12/2017 21:57	0.04				SR12	8/12/2017 21:57	0.08			
SR4	8/12/2017 22:17	0.08				SR12	8/12/2017 22:17	0.10			
SR4	8/12/2017 22:37	0.07				SR12	8/12/2017 22:37	0.10			
SR4	8/12/2017 22:57	0.07				SR12	8/12/2017 22:57	0.09			
SR4	8/12/2017 23:17	0.06				SR12	8/12/2017 23:17	0.10			
SR4	8/12/2017 23:37	0.04				SR12	8/12/2017 23:37	0.11			
SR4	8/12/2017 23:57	0.08				SR12	8/12/2017 23:57	0.12			

Remark: Fonts with underline: Action Level Exceedance

**Fonts in Bold with underline: Limit Level Exceedance**

Automatic Instrument calibration of NH<sub>3</sub>-N monitor was carried out during 5:57-6:37 at SR4 and SR12.









24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/13/2017 0:17	0.06				SR12	8/13/2017 0:17	0.10			
SR4	8/13/2017 0:37	0.04				SR12	8/13/2017 0:37	0.10			
SR4	8/13/2017 0:57	0.08				SR12	8/13/2017 0:57	0.10			
SR4	8/13/2017 1:17	0.06				SR12	8/13/2017 1:17	0.08			
SR4	8/13/2017 1:37	0.04				SR12	8/13/2017 1:37	0.09			
SR4	8/13/2017 1:57	0.08				SR12	8/13/2017 1:57	0.09			
SR4	8/13/2017 2:17	0.07				SR12	8/13/2017 2:17	0.11			
SR4	8/13/2017 2:37	0.07				SR12	8/13/2017 2:37	0.08			
SR4	8/13/2017 2:57	0.05				SR12	8/13/2017 2:57	0.11			
SR4	8/13/2017 3:17	0.06				SR12	8/13/2017 3:17	0.11			
SR4	8/13/2017 3:37	0.06				SR12	8/13/2017 3:37	0.08			
SR4	8/13/2017 3:57	0.06				SR12	8/13/2017 3:57	0.10			
SR4	8/13/2017 4:17	0.06				SR12	8/13/2017 4:17	0.09			
SR4	8/13/2017 4:37	0.05				SR12	8/13/2017 4:37	0.09			
SR4	8/13/2017 4:57	0.07				SR12	8/13/2017 4:57	0.11			
SR4	8/13/2017 5:17	0.07				SR12	8/13/2017 5:17	0.11			
SR4	8/13/2017 5:37	0.05				SR12	8/13/2017 5:37	0.08			
SR4	8/13/2017 5:57	0.06				SR12	8/13/2017 5:57	0.09			
SR4						SR12					
SR4	8/13/2017 6:37	0.05				SR12	8/13/2017 6:37	0.11			
SR4	8/13/2017 6:57	0.08				SR12	8/13/2017 6:57	0.09			
SR4	8/13/2017 7:17	0.07				SR12	8/13/2017 7:17	0.10			
SR4	8/13/2017 7:37	0.06				SR12	8/13/2017 7:37	0.11			
SR4	8/13/2017 7:57	0.05				SR12	8/13/2017 7:57	0.09			
SR4	8/13/2017 8:17	0.06				SR12	8/13/2017 8:17	0.08			
SR4	8/13/2017 8:37	0.08				SR12	8/13/2017 8:37	0.08			
SR4	8/13/2017 8:57	0.06				SR12	8/13/2017 8:57	0.08			
SR4	8/13/2017 9:17	0.07				SR12	8/13/2017 9:17	0.08			
SR4	8/13/2017 9:37	0.08				SR12	8/13/2017 9:37	0.08			
SR4	8/13/2017 9:57	0.07				SR12	8/13/2017 9:57	0.10			
SR4	8/13/2017 10:17	0.06				SR12	8/13/2017 10:17	0.10			
SR4	8/13/2017 10:37	0.06				SR12	8/13/2017 10:37	0.10			
SR4	8/13/2017 10:57	0.04				SR12	8/13/2017 10:57	0.08			
SR4	8/13/2017 11:17	0.05				SR12	8/13/2017 11:17	0.10			
SR4	8/13/2017 11:37	0.08				SR12	8/13/2017 11:37	0.10			
SR4	8/13/2017 11:57	0.05				SR12	8/13/2017 11:57	0.09			
SR4	8/13/2017 12:17	0.08				SR12	8/13/2017 12:17	0.10			
SR4	8/13/2017 12:37	0.05				SR12	8/13/2017 12:37	0.11			
SR4	8/13/2017 12:57	0.05				SR12	8/13/2017 12:57	0.11			
SR4	8/13/2017 13:17	0.08				SR12	8/13/2017 13:17	0.08			
SR4	8/13/2017 13:37	0.06				SR12	8/13/2017 13:37	0.07			
SR4	8/13/2017 13:57	0.05				SR12	8/13/2017 13:57	0.04			
SR4	8/13/2017 14:17	0.07				SR12	8/13/2017 14:17	0.05			
SR4	8/13/2017 14:37	0.07				SR12	8/13/2017 14:37	0.06			
SR4	8/13/2017 14:57	0.04				SR12	8/13/2017 14:57	0.04			
SR4	8/13/2017 15:17	0.05				SR12	8/13/2017 15:17	0.04			
SR4	8/13/2017 15:37	0.06				SR12	8/13/2017 15:37	0.08			
SR4	8/13/2017 15:57	0.05				SR12	8/13/2017 15:57	0.06			
SR4	8/13/2017 16:17	0.08				SR12	8/13/2017 16:17	0.05			
SR4	8/13/2017 16:37	0.04				SR12	8/13/2017 16:37	0.05			
SR4	8/13/2017 16:57	0.08				SR12	8/13/2017 16:57	0.04			
SR4	8/13/2017 17:17	0.07				SR12	8/13/2017 17:17	0.04			
SR4	8/13/2017 17:37	0.06				SR12	8/13/2017 17:37	0.06			
SR4	8/13/2017 17:57	0.05				SR12	8/13/2017 17:57	0.05			
SR4	8/13/2017 18:17	0.03				SR12	8/13/2017 18:17	0.06			
SR4	8/13/2017 18:37	0.05				SR12	8/13/2017 18:37	0.04			
SR4	8/13/2017 18:57	0.06				SR12	8/13/2017 18:57	0.04			
SR4	8/13/2017 19:17	0.04				SR12	8/13/2017 19:17	0.08			
SR4	8/13/2017 19:37	0.04				SR12	8/13/2017 19:37	0.08			
SR4	8/13/2017 19:57	0.03				SR12	8/13/2017 19:57	0.05			
SR4	8/13/2017 20:17	0.06				SR12	8/13/2017 20:17	0.08			
SR4	8/13/2017 20:37	0.05				SR12	8/13/2017 20:37	0.08			
SR4	8/13/2017 20:57	0.03				SR12	8/13/2017 20:57	0.05			
SR4	8/13/2017 21:17	0.06				SR12	8/13/2017 21:17	0.06			
SR4	8/13/2017 21:37	0.06				SR12	8/13/2017 21:37	0.05			
SR4	8/13/2017 21:57	0.05				SR12	8/13/2017 21:57	0.06			
SR4	8/13/2017 22:17	0.04				SR12	8/13/2017 22:17	0.05			
SR4	8/13/2017 22:37	0.05				SR12	8/13/2017 22:37	0.03			
SR4	8/13/2017 22:57	0.06				SR12	8/13/2017 22:57	0.04			
SR4	8/13/2017 23:17	0.04				SR12	8/13/2017 23:17	0.02			
SR4	8/13/2017 23:37	0.05				SR12	8/13/2017 23:37	0.02			
SR4	8/13/2017 23:57	0.05				SR12	8/13/2017 23:57	0.02			

Remark: Fonts with underline: Action Level Exceedance

**Fonts in Bold with underline: Limit Level Exceedance**

Automatic Instrument calibration of NH<sub>3</sub>-N monitor was carried out during 5:57-6:37 at SR4 and SR12.











24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/14/2017 0:17	0.05				SR12	8/14/2017 0:17	0.05			
SR4	8/14/2017 0:37	0.03				SR12	8/14/2017 0:37	0.03			
SR4	8/14/2017 0:57	0.03				SR12	8/14/2017 0:57	0.03			
SR4	8/14/2017 1:17	0.06				SR12	8/14/2017 1:17	0.03			
SR4	8/14/2017 1:37	0.04				SR12	8/14/2017 1:37	0.05			
SR4	8/14/2017 1:57	0.06				SR12	8/14/2017 1:57	0.05			
SR4	8/14/2017 2:17	0.05				SR12	8/14/2017 2:17	0.04			
SR4	8/14/2017 2:37	0.06				SR12	8/14/2017 2:37	0.02			
SR4	8/14/2017 2:57	0.03				SR12	8/14/2017 2:57	0.04			
SR4	8/14/2017 3:17	0.03				SR12	8/14/2017 3:17	0.03			
SR4	8/14/2017 3:37	0.04				SR12	8/14/2017 3:37	0.04			
SR4	8/14/2017 3:57	0.06				SR12	8/14/2017 3:57	0.04			
SR4	8/14/2017 4:17	0.03				SR12	8/14/2017 4:17	0.03			
SR4	8/14/2017 4:37	0.06				SR12	8/14/2017 4:37	0.04			
SR4	8/14/2017 4:57	0.04				SR12	8/14/2017 4:57	0.04			
SR4	8/14/2017 5:17	0.06				SR12	8/14/2017 5:17	0.05			
SR4	8/14/2017 5:37	0.03				SR12	8/14/2017 5:37	0.03			
SR4	8/14/2017 5:57	0.03				SR12	8/14/2017 5:57	0.04			
SR4						SR12					
SR4	8/14/2017 6:37	0.06				SR12	8/14/2017 6:37	0.05			
SR4	8/14/2017 6:57	0.05				SR12	8/14/2017 6:57	0.02			
SR4	8/14/2017 7:17	0.03				SR12	8/14/2017 7:17	0.02			
SR4	8/14/2017 7:37	0.05				SR12	8/14/2017 7:37	0.04			
SR4	8/14/2017 7:57	0.06				SR12	8/14/2017 7:57	0.04			
SR4	8/14/2017 8:17	0.06				SR12	8/14/2017 8:17	0.05			
SR4	8/14/2017 8:37	0.03				SR12	8/14/2017 8:37	0.02			
SR4	8/14/2017 8:57	0.05				SR12	8/14/2017 8:57	0.04			
SR4	8/14/2017 9:17	0.06				SR12	8/14/2017 9:17	0.03			
SR4	8/14/2017 9:37	0.05				SR12	8/14/2017 9:37	0.04			
SR4	8/14/2017 9:57	0.05				SR12					
SR4	8/14/2017 10:17	0.06				SR12					
SR4	8/14/2017 10:37	0.03				SR12					
SR4	8/14/2017 10:57	0.05				SR12					
SR4	8/14/2017 11:17	0.05				SR12					
SR4	8/14/2017 11:37	0.06				SR12	8/14/2017 11:37	0.03			
SR4	8/14/2017 11:57	0.03				SR12	8/14/2017 11:57	0.04			
SR4						SR12	8/14/2017 12:17	0.03			
SR4						SR12	8/14/2017 12:37	0.03			
SR4						SR12	8/14/2017 12:57	0.02			
SR4						SR12	8/14/2017 13:17	0.02			
SR4						SR12	8/14/2017 13:37	0.04			
SR4	8/14/2017 13:57	0.03				SR12	8/14/2017 13:57	0.05			
SR4	8/14/2017 14:17	0.04				SR12	8/14/2017 14:17	0.04			
SR4	8/14/2017 14:37	0.04				SR12	8/14/2017 14:37	0.03			
SR4	8/14/2017 14:57	0.04				SR12	8/14/2017 14:57	0.02			
SR4	8/14/2017 15:17	0.04				SR12	8/14/2017 15:17	0.02			
SR4	8/14/2017 15:37	0.02				SR12	8/14/2017 15:37	0.02			
SR4	8/14/2017 15:57	0.04				SR12	8/14/2017 15:57	0.04			
SR4	8/14/2017 16:17	0.03				SR12	8/14/2017 16:17	0.01			
SR4	8/14/2017 16:37	0.02				SR12	8/14/2017 16:37	0.03			
SR4	8/14/2017 16:57	0.03				SR12	8/14/2017 16:57	0.01			
SR4	8/14/2017 17:17	0.04				SR12	8/14/2017 17:17	0.02			
SR4	8/14/2017 17:37	0.04				SR12	8/14/2017 17:37	0.02			
SR4	8/14/2017 17:57	0.03				SR12	8/14/2017 17:57	0.01			
SR4	8/14/2017 18:17	0.02				SR12	8/14/2017 18:17	0.04			
SR4	8/14/2017 18:37	0.02				SR12	8/14/2017 18:37	0.02			
SR4	8/14/2017 18:57	0.04				SR12	8/14/2017 18:57	0.03			
SR4	8/14/2017 19:17	0.02				SR12	8/14/2017 19:17	0.04			
SR4	8/14/2017 19:37	0.02				SR12	8/14/2017 19:37	0.04			
SR4	8/14/2017 19:57	0.04				SR12	8/14/2017 19:57	0.03			
SR4	8/14/2017 20:17	0.02				SR12	8/14/2017 20:17	0.04			
SR4	8/14/2017 20:37	0.04				SR12	8/14/2017 20:37	0.04			
SR4	8/14/2017 20:57	0.02				SR12	8/14/2017 20:57	0.03			
SR4	8/14/2017 21:17	0.03				SR12	8/14/2017 21:17	0.01			
SR4	8/14/2017 21:37	0.03				SR12	8/14/2017 21:37	0.01			
SR4	8/14/2017 21:57	0.03				SR12	8/14/2017 21:57	0.01			
SR4	8/14/2017 22:17	0.03				SR12	8/14/2017 22:17	0.03			
SR4	8/14/2017 22:37	0.02				SR12	8/14/2017 22:37	0.02			
SR4	8/14/2017 22:57	0.03				SR12	8/14/2017 22:57	0.02			
SR4	8/14/2017 23:17	0.03				SR12	8/14/2017 23:17	0.01			
SR4	8/14/2017 23:37	0.04				SR12	8/14/2017 23:37	0.04			
SR4	8/14/2017 23:57	0.04				SR12	8/14/2017 23:57	0.01			

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 12:11-13:31.

SR12 monitoring station was under maintenance during 9:56-11:11.

SR13 monitoring station was under maintenance during 14:05-15:30.











24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/15/2017 0:17	0.04				SR12	8/15/2017 0:17	0.04			
SR4	8/15/2017 0:37	0.02				SR12	8/15/2017 0:37	0.02			
SR4	8/15/2017 0:57	0.04				SR12	8/15/2017 0:57	0.04			
SR4	8/15/2017 1:17	0.03				SR12	8/15/2017 1:17	0.04			
SR4	8/15/2017 1:37	0.02				SR12	8/15/2017 1:37	0.02			
SR4	8/15/2017 1:57	0.02				SR12	8/15/2017 1:57	0.03			
SR4	8/15/2017 2:17	0.02				SR12	8/15/2017 2:17	0.02			
SR4	8/15/2017 2:37	0.04				SR12	8/15/2017 2:37	0.01			
SR4	8/15/2017 2:57	0.02				SR12	8/15/2017 2:57	0.02			
SR4	8/15/2017 3:17	0.03				SR12	8/15/2017 3:17	0.01			
SR4	8/15/2017 3:37	0.03				SR12	8/15/2017 3:37	0.02			
SR4	8/15/2017 3:57	0.03				SR12	8/15/2017 3:57	0.01			
SR4	8/15/2017 4:17	0.03				SR12	8/15/2017 4:17	0.02			
SR4	8/15/2017 4:37	0.03				SR12	8/15/2017 4:37	0.02			
SR4	8/15/2017 4:57	0.03				SR12	8/15/2017 4:57	0.01			
SR4	8/15/2017 5:17	0.02				SR12	8/15/2017 5:17	0.02			
SR4	8/15/2017 5:37	0.03				SR12	8/15/2017 5:37	0.02			
SR4	8/15/2017 5:57	0.02				SR12	8/15/2017 5:57	0.02			
SR4						SR12					
SR4	8/15/2017 6:37	0.01				SR12	8/15/2017 6:37	0.01			
SR4	8/15/2017 6:57	0.03				SR12	8/15/2017 6:57	0.02			
SR4	8/15/2017 7:17	0.03				SR12	8/15/2017 7:17	0.01			
SR4	8/15/2017 7:37	0.03				SR12	8/15/2017 7:37	0.02			
SR4	8/15/2017 7:57	0.01				SR12	8/15/2017 7:57	0.02			
SR4	8/15/2017 8:17	0.03				SR12	8/15/2017 8:17	0.02			
SR4	8/15/2017 8:37	0.03				SR12	8/15/2017 8:37	0.01			
SR4	8/15/2017 8:57	0.02				SR12	8/15/2017 8:57	0.01			
SR4	8/15/2017 9:17	0.03				SR12	8/15/2017 9:17	0.01			
SR4	8/15/2017 9:37	0.02				SR12	8/15/2017 9:37	0.02			
SR4	8/15/2017 9:57	0.02				SR12	8/15/2017 9:57	0.02			
SR4	8/15/2017 10:17	0.01				SR12	8/15/2017 10:17	0.01			
SR4	8/15/2017 10:37	0.01				SR12	8/15/2017 10:37	0.02			
SR4	8/15/2017 10:57	0.02				SR12	8/15/2017 10:57	0.02			
SR4	8/15/2017 11:17	0.03				SR12	8/15/2017 11:17	0.02			
SR4	8/15/2017 11:37	0.02				SR12	8/15/2017 11:37	0.01			
SR4	8/15/2017 11:57	0.01				SR12	8/15/2017 11:57	0.01			
SR4	8/15/2017 12:17	0.02				SR12	8/15/2017 12:17	0.01			
SR4	8/15/2017 12:37	0.03				SR12	8/15/2017 12:37	0.02			
SR4	8/15/2017 12:57	0.02				SR12	8/15/2017 12:57	0.01			
SR4	8/15/2017 13:17	0.01				SR12	8/15/2017 13:17	0.02			
SR4	8/15/2017 13:37	0.02				SR12	8/15/2017 13:37	0.02			
SR4	8/15/2017 13:57	0.02				SR12	8/15/2017 13:57	0.02			
SR4	8/15/2017 14:17	0.01				SR12	8/15/2017 14:17	0.02			
SR4	8/15/2017 14:37	0.02				SR12	8/15/2017 14:37	0.02			
SR4	8/15/2017 14:57	0.01				SR12	8/15/2017 14:57	0.01			
SR4	8/15/2017 15:17	0.01				SR12	8/15/2017 15:17	0.01			
SR4	8/15/2017 15:37	0.01				SR12	8/15/2017 15:37	0.01			
SR4	8/15/2017 15:57	0.01				SR12	8/15/2017 15:57	0.02			
SR4	8/15/2017 16:17	0.01				SR12	8/15/2017 16:17	0.02			
SR4	8/15/2017 16:37	0.01				SR12	8/15/2017 16:37	0.01			
SR4	8/15/2017 16:57	0.03				SR12	8/15/2017 16:57	0.02			
SR4	8/15/2017 17:17	0.02				SR12	8/15/2017 17:17	0.02			
SR4	8/15/2017 17:37	0.01				SR12	8/15/2017 17:37	0.01			
SR4	8/15/2017 17:57	0.03				SR12	8/15/2017 17:57	0.02			
SR4	8/15/2017 18:17	0.02				SR12	8/15/2017 18:17	0.01			
SR4	8/15/2017 18:37	0.03				SR12	8/15/2017 18:37	0.01			
SR4	8/15/2017 18:57	0.02				SR12	8/15/2017 18:57	0.01			
SR4	8/15/2017 19:17	0.03				SR12	8/15/2017 19:17	0.01			
SR4	8/15/2017 19:37	0.02				SR12	8/15/2017 19:37	0.02			
SR4	8/15/2017 19:57	0.02				SR12	8/15/2017 19:57	0.01			
SR4	8/15/2017 20:17	0.03				SR12	8/15/2017 20:17	0.04			
SR4	8/15/2017 20:37	0.01				SR12	8/15/2017 20:37	0.01			
SR4	8/15/2017 20:57	0.01				SR12	8/15/2017 20:57	0.03			
SR4	8/15/2017 21:17	0.01				SR12	8/15/2017 21:17	0.02			
SR4	8/15/2017 21:37	0.01				SR12	8/15/2017 21:37	0.01			
SR4	8/15/2017 21:57	0.02				SR12	8/15/2017 21:57	0.02			
SR4	8/15/2017 22:17	0.01				SR12	8/15/2017 22:17	0.02			
SR4	8/15/2017 22:37	0.01				SR12	8/15/2017 22:37	0.03			
SR4	8/15/2017 22:57	0.02				SR12	8/15/2017 22:57	0.03			
SR4	8/15/2017 23:17	0.02				SR12	8/15/2017 23:17	0.01			
SR4	8/15/2017 23:37	0.02				SR12	8/15/2017 23:37	0.01			
SR4	8/15/2017 23:57	0.01				SR12	8/15/2017 23:57	0.03			

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 12:05-15:25.

## 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	8/16/2017 0:01	29.78	85.9	6.51	8.1	SR4	8/16/2017 6:01	29.50	80.9	6.13	9.4	SR4	8/16/2017 12:01	30.39	90.6	6.86	9.2	SR4	8/16/2017 18:01	30.42	93.9	7.11	9.4
SR4	8/16/2017 0:06	29.80	84.7	6.42	9.5	SR4	8/16/2017 6:06	29.49	81.0	6.14	8.4	SR4	8/16/2017 12:06	30.33	87.1	6.60	8.8	SR4	8/16/2017 18:06	30.40	85.1	6.45	7.9
SR4	8/16/2017 0:11	29.85	79.7	6.04	9.3	SR4	8/16/2017 6:11	29.55	80.5	6.10	8.5	SR4	8/16/2017 12:11					SR4	8/16/2017 18:11	30.37	89.0	6.74	9.5
SR4	8/16/2017 0:16	29.85	83.6	6.33	9.6	SR4	8/16/2017 6:16	29.59	81.6	6.18	9.2	SR4	8/16/2017 12:16					SR4	8/16/2017 18:16	30.38	92.1	6.98	9.4
SR4	8/16/2017 0:21	29.88	84.3	6.39	7.8	SR4	8/16/2017 6:21	29.60	83.3	6.31	8.8	SR4	8/16/2017 12:21					SR4	8/16/2017 18:21	30.39	90.7	6.87	8.8
SR4	8/16/2017 0:26	29.90	82.0	6.21	8.5	SR4	8/16/2017 6:26	29.63	81.7	6.19	7.9	SR4	8/16/2017 12:26					SR4	8/16/2017 18:26	30.39	87.8	6.65	7.9
SR4	8/16/2017 0:31	29.90	78.4	5.94	8.0	SR4	8/16/2017 6:31	29.62	85.8	6.50	9.4	SR4	8/16/2017 12:31					SR4	8/16/2017 18:31	30.35	90.3	6.84	8.4
SR4	8/16/2017 0:36	29.91	82.4	6.24	8.2	SR4	8/16/2017 6:36	29.60	86.2	6.53	8.3	SR4	8/16/2017 12:36					SR4	8/16/2017 18:36	30.35	93.6	7.09	8.0
SR4	8/16/2017 0:41	29.92	78.8	5.97	8.9	SR4	8/16/2017 6:41	29.57	79.1	5.99	8.1	SR4	8/16/2017 12:41					SR4	8/16/2017 18:41	30.34	88.4	6.70	8.3
SR4	8/16/2017 0:46	29.88	77.1	5.84	8.4	SR4	8/16/2017 6:46	29.56	83.8	6.35	9.6	SR4	8/16/2017 12:46					SR4	8/16/2017 18:46	30.30	85.4	6.47	9.2
SR4	8/16/2017 0:51	29.84	76.0	5.76	8.9	SR4	8/16/2017 6:51	29.56	81.6	6.18	8.7	SR4	8/16/2017 12:51					SR4	8/16/2017 18:51	30.26	87.0	6.59	9.5
SR4	8/16/2017 0:56	29.79	75.6	5.73	20.2	SR4	8/16/2017 6:56	29.55	84.5	6.40	8.9	SR4	8/16/2017 12:56					SR4	8/16/2017 18:56	29.90	78.3	5.93	8.9
SR4	8/16/2017 1:01	29.81	81.2	6.15	8.3	SR4	8/16/2017 7:01	29.55	80.9	6.13	8.1	SR4	8/16/2017 13:01					SR4	8/16/2017 19:01	30.01	85.5	6.48	7.9
SR4	8/16/2017 1:06	29.89	81.4	6.17	9.5	SR4	8/16/2017 7:06	29.55	82.5	6.25	9.3	SR4	8/16/2017 13:06					SR4	8/16/2017 19:06	30.05	88.4	6.70	8.8
SR4	8/16/2017 1:11	29.90	80.1	6.07	9.6	SR4	8/16/2017 7:11	29.55	82.0	6.21	8.4	SR4	8/16/2017 13:11					SR4	8/16/2017 19:11	30.11	83.2	6.30	9.1
SR4	8/16/2017 1:16	29.90	75.0	5.68	8.7	SR4	8/16/2017 7:16	29.56	79.7	6.04	9.1	SR4	8/16/2017 13:16	30.23	82.1	6.22	9.5	SR4	8/16/2017 19:16	30.08	82.5	6.25	9.4
SR4	8/16/2017 1:21	29.89	76.6	5.80	9.6	SR4	8/16/2017 7:21	29.50	85.1	6.45	7.9	SR4	8/16/2017 13:21	30.43	85.4	6.47	9.1	SR4	8/16/2017 19:21	30.04	81.2	6.15	8.7
SR4	8/16/2017 1:26	29.83	80.8	6.12	11.3	SR4	8/16/2017 7:26	29.46	84.0	6.36	9.7	SR4	8/16/2017 13:26	30.44	89.0	6.74	9.5	SR4	8/16/2017 19:26	30.05	89.5	6.78	8.4
SR4	8/16/2017 1:31	29.78	84.9	6.43	9.1	SR4	8/16/2017 7:31	29.42	88.0	6.87	8.8	SR4	8/16/2017 13:31	30.48	89.4	6.77	11.6	SR4	8/16/2017 19:31	30.06	88.2	6.68	8.4
SR4	8/16/2017 1:36	29.76	84.5	6.40	8.1	SR4	8/16/2017 7:36	29.43	87.5	6.63	8.6	SR4	8/16/2017 13:36	30.48	84.2	6.38	8.7	SR4	8/16/2017 19:36	30.03	90.2	6.83	8.9
SR4	8/16/2017 1:41	29.77	85.1	6.45	9.3	SR4	8/16/2017 7:41	29.48	91.5	6.93	9.6	SR4	8/16/2017 13:41	30.52	90.2	6.83	8.2	SR4	8/16/2017 19:41	30.00	86.9	6.58	8.7
SR4	8/16/2017 1:46	29.76	80.4	6.09	9.0	SR4	8/16/2017 7:46	29.51	82.8	6.27	9.7	SR4	8/16/2017 13:46	30.53	87.1	6.60	8.5	SR4	8/16/2017 19:46	29.95	82.1	6.22	8.3
SR4	8/16/2017 1:51	29.75	80.9	6.13	8.6	SR4	8/16/2017 7:51	29.57	83.0	6.29	8.3	SR4	8/16/2017 13:51	30.48	87.5	6.63	8.5	SR4	8/16/2017 19:51	29.95	76.7	5.81	7.8
SR4	8/16/2017 1:56	29.79	79.5	6.02	9.6	SR4	8/16/2017 7:56	29.59	86.1	6.52	7.8	SR4	8/16/2017 13:56	30.26	91.7	6.95	8.7	SR4	8/16/2017 19:56	29.96	81.0	6.14	8.8
SR4	8/16/2017 2:01	29.81	76.4	5.79	9.2	SR4	8/16/2017 8:01	29.65	79.5	6.02	7.8	SR4	8/16/2017 14:01	30.20	89.5	6.78	8.8	SR4	8/16/2017 20:01	29.98	84.0	6.36	8.5
SR4	8/16/2017 2:06	29.78	83.4	6.32	7.8	SR4	8/16/2017 8:06	29.72	81.8	6.20	9.0	SR4	8/16/2017 14:06	30.26	89.9	6.81	9.3	SR4	8/16/2017 20:06	29.98	84.9	6.43	9.0
SR4	8/16/2017 2:11	29.78	76.3	5.78	9.1	SR4	8/16/2017 8:11	29.79	82.6	6.26	7.8	SR4	8/16/2017 14:11	30.33	86.5	6.55	8.9	SR4	8/16/2017 20:11	29.95	79.2	6.00	8.4
SR4	8/16/2017 2:16	29.81	78.0	5.91	8.4	SR4	8/16/2017 8:16	29.82	82.1	6.22	9.0	SR4	8/16/2017 14:16	30.44	89.8	6.80	9.3	SR4	8/16/2017 20:16	29.96	84.5	6.40	9.0
SR4	8/16/2017 2:21	29.81	77.1	5.84	9.2	SR4	8/16/2017 8:21	29.78	83.7	6.34	8.1	SR4	8/16/2017 14:21	30.48	92.1	6.98	9.1	SR4	8/16/2017 20:21	29.96	83.8	6.35	7.8
SR4	8/16/2017 2:26	29.79	77.9	5.90	8.8	SR4	8/16/2017 8:26	29.72	85.3	6.46	7.8	SR4	8/16/2017 14:26	30.53	92.7	7.02	9.0	SR4	8/16/2017 20:26	29.95	82.1	6.22	9.6
SR4	8/16/2017 2:31	29.77	80.1	6.07	7.9	SR4	8/16/2017 8:31	29.70	79.3	6.01	7.8	SR4	8/16/2017 14:31	30.53	89.9	6.81	9.4	SR4	8/16/2017 20:31	29.95	83.6	6.33	8.7
SR4	8/16/2017 2:36	29.77	78.8	5.97	9.0	SR4	8/16/2017 8:36	29.65	81.7	6.19	8.6	SR4	8/16/2017 14:36	30.52	90.7	6.87	8.7	SR4	8/16/2017 20:36	29.97	78.8	5.97	9.7
SR4	8/16/2017 2:41	29.76	80.5	6.10	8.3	SR4	8/16/2017 8:41	29.68	78.8	5.97	7.8	SR4	8/16/2017 14:41	30.53	91.1	6.90	8.6	SR4	8/16/2017 20:41	29.95	84.6	6.41	9.1
SR4	8/16/2017 2:46	29.76	84.3	6.39	8.9	SR4	8/16/2017 8:46	29.74	85.9	6.51	9.1	SR4	8/16/2017 14:46	30.41	83.8	6.35	9.1	SR4	8/16/2017 20:46	29.96	83.3	6.31	8.3
SR4	8/16/2017 2:51	29.73	75.6	5.73	9.6	SR4	8/16/2017 8:51	29.71	77.5	5.87	9.2	SR4	8/16/2017 14:51	30.34	89.8	6.80	8.5	SR4	8/16/2017 20:51	29.95	80.3	6.08	8.8
SR4	8/16/2017 2:56	29.73	75.5	5.72	8.8	SR4	8/16/2017 8:56	29.68	78.4	5.94	10.0	SR4	8/16/2017 14:56	30.47	85.0	6.44	7.8	SR4	8/16/2017 20:56	29.92	76.8	5.82	9.1
SR4	8/16/2017 3:01	29.73	78.1	5.92	8.3	SR4	8/16/2017 9:01	29.65	83.0	6.29	9.6	SR4	8/16/2017 15:01	30.53	82.2	6.23	9.2	SR4	8/16/2017 21:01	29.88	81.6	6.18	9.1
SR4	8/16/2017 3:06	29.71	78.7	5.96	9.2	SR4	8/16/2017 9:06	29.73	80.0	6.06	9.4	SR4	8/16/2017 15:06	30.51	87.6	6.64	9.6	SR4	8/16/2017 21:06	29.84	83.2	6.30	9.5
SR4	8/16/2017 3:11	29.68	79.3	6.01	7.9	SR4	8/16/2017 9:11	29.78	82.8	6.27	8.9	SR4	8/16/2017 15:11	30.45	86.1	6.52	9.5	SR4	8/16/2017 21:11	29.83	85.7	6.49	8.3
SR4	8/16/2017 3:16	29.66	79.7	6.04	8.4	SR4	8/16/2017 9:16	29.74	81.0	6.14	9.4	SR4	8/16/2017 15:16	30.55	86.7	6.57	8.6	SR4	8/16/2017 21:16	29.81	83.6	6.33	9.4
SR4	8/16/2017 3:21	29.62	89.9	6.81	8.6	SR4	8/16/2017 9:21	29.74	83.6	6.33	9.7	SR4	8/16/2017 15:21	30.55	88.2	6.68	7.9	SR4	8/16/2017 21:21	29.80	79.7	6.04	8.1
SR4	8/16/2017 3:26	29.61	84.6	6.41	9.2	SR4	8/16/2017 9:26	29.82	79.5	6.02	8.0	SR4	8/16/2017 15:26	30.53	91.5	6.93	7.8	SR4	8/16/2017 21:26	29.78	82.9	6.28	8.2
SR4	8/16/2017 3:31	29.61	85.1	6.45	8.7	SR4	8/16/2017 9:31	29.76	81.2	6.15	8.2	SR4	8/16/2017 15:31	30.55	86.5	6.55	8.4	SR4	8/16/2017 21:31	29.78	78.9	5.98	8.5
SR4	8/16/2017 3:36	29.60	86.7	6.57	7.8	SR4	8/16/2017 9:36	29.70	79.6	6.03	9.4	SR4	8/16/2017 15:36	30.49	87.6	6.64	9.7	SR4	8/16/2017 21:36	29.77	81.4	6.17	8.3
SR4	8/16/2017 3:41	29.63	84.0	6.36	8.9	SR4	8/16/2017 9:41	29.76	83.3	6.31	8.6	SR4	8/16/2017 15:41	30.46	84.7	6.42	9.0	SR4	8/16/2017 21:41	29.77	80.8	6.12	8.2
SR4	8/16/2017 3:46	29.61	82.1	6.22	8.0	SR4	8/16/2017 9:46	29.65	82.4	6.24	8.1	SR4	8/16/2017 15:46	30.43	91.6	6.94	7.9	SR4	8/16/2017 21:46	29.78	81.7	6.19	8.3
SR4	8/16/2017 3:51	29.59	80.8	6.12	9.3	SR4	8/16/2017 9:51	29.61	77.9	5.90	14.3	SR4	8/16/2017 15:51	30.47	84.2	6.38	8.8	SR4	8/16/2017 21:51	29.77	77.7	5.89	9.2
SR4	8/16/2017 3:56	29.57	78.9	5.98	9.6	SR4	8/16/2017 9:56	29.65	78.3	5.93	8.7	SR4	8/16/2017 15:56	30.45	83.4	6.32	8.4	SR4	8/16/2017 21:56	29.79	78.7	5.96	8.0
SR4	8/16/2017 4:01	29.54	75.9	5.75	9.0	SR4	8/16/2017 10:01	29.58															

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)
SR5	8/16/2017 0:00	29.87	89.2	6.76	2.8	SR5	8/16/2017 6:00	29.49	89.1	6.75	7.5	SR5	8/16/2017 12:00	30.16	82.8	6.27	5.3	SR5	8/16/2017 18:00	30.22	96.5	7.31	3.4
SR5	8/16/2017 0:05	29.87	82.4	6.24	3.6	SR5	8/16/2017 6:05	29.51	86.1	6.52	7.4	SR5	8/16/2017 12:05	30.25	85.5	6.48	5.0	SR5	8/16/2017 18:05	29.93	92.8	7.03	6.6
SR5	8/16/2017 0:10	29.90	85.9	6.51	4.8	SR5	8/16/2017 6:10	29.52	90.8	6.88	7.1	SR5	8/16/2017 12:10	30.07	81.6	6.18	5.1	SR5	8/16/2017 18:10	30.05	91.5	6.93	4.6
SR5	8/16/2017 0:15	29.89	83.7	6.34	4.0	SR5	8/16/2017 6:15	29.54	84.2	6.38	7.0	SR5	8/16/2017 12:15	29.96	85.9	6.51	4.7	SR5	8/16/2017 18:15	30.12	95.8	7.26	6.0
SR5	8/16/2017 0:20	29.89	83.0	6.29	4.6	SR5	8/16/2017 6:20	29.53	91.1	6.90	7.3	SR5	8/16/2017 12:20	30.17	84.9	6.43	3.5	SR5	8/16/2017 18:20	30.12	94.9	7.19	4.7
SR5	8/16/2017 0:25	29.85	87.0	6.59	4.3	SR5	8/16/2017 6:25	29.55	87.0	6.59	7.5	SR5	8/16/2017 12:25	29.90	89.8	6.80	4.3	SR5	8/16/2017 18:25	30.07	94.4	7.15	6.1
SR5	8/16/2017 0:30	29.82	84.5	6.40	4.3	SR5	8/16/2017 6:30	29.58	92.0	6.97	5.4	SR5	8/16/2017 12:30	30.07	84.7	6.42	4.2	SR5	8/16/2017 18:30	30.24	95.3	7.22	4.5
SR5	8/16/2017 0:35	29.81	82.9	6.28	5.6	SR5	8/16/2017 6:35	29.58	86.2	6.53	4.8	SR5	8/16/2017 12:35	29.98	90.2	6.83	3.9	SR5	8/16/2017 18:35	29.97	93.6	7.09	5.1
SR5	8/16/2017 0:40	29.82	85.9	6.51	5.2	SR5	8/16/2017 6:40	29.57	87.3	6.81	4.5	SR5	8/16/2017 12:40	30.17	90.7	6.87	4.0	SR5	8/16/2017 18:40	29.90	96.8	7.33	3.9
SR5	8/16/2017 0:45	29.84	88.0	6.67	6.0	SR5	8/16/2017 6:45	29.57	83.0	6.29	6.6	SR5	8/16/2017 12:45	30.14	85.3	6.46	7.7	SR5	8/16/2017 18:45	30.10	94.5	7.16	3.0
SR5	8/16/2017 0:50	29.85	83.8	6.35	4.6	SR5	8/16/2017 6:50	29.56	92.1	6.98	4.4	SR5	8/16/2017 12:50	29.95	84.5	6.40	4.2	SR5	8/16/2017 18:50	30.24	87.4	6.62	8.0
SR5	8/16/2017 0:55	29.85	83.4	6.32	6.1	SR5	8/16/2017 6:55	29.56	86.6	6.56	5.2	SR5	8/16/2017 12:55	30.19	86.2	6.53	5.0	SR5	8/16/2017 18:55	30.14	91.3	6.92	6.6
SR5	8/16/2017 1:00	29.88	85.0	6.44	6.6	SR5	8/16/2017 7:00	29.56	86.1	6.52	5.6	SR5	8/16/2017 13:00	30.25	89.0	6.74	7.4	SR5	8/16/2017 19:00	30.17	97.3	7.37	5.3
SR5	8/16/2017 1:05	29.85	85.4	6.47	5.8	SR5	8/16/2017 7:05	29.56	89.9	6.81	4.7	SR5	8/16/2017 13:05	30.23	90.4	6.85	5.2	SR5	8/16/2017 19:05	30.23	93.3	7.07	5.4
SR5	8/16/2017 1:10	29.83	88.8	6.73	4.2	SR5	8/16/2017 7:10	29.55	89.2	6.76	5.0	SR5	8/16/2017 13:10	30.23	88.0	6.67	4.7	SR5	8/16/2017 19:10	30.23	92.4	7.00	7.5
SR5	8/16/2017 1:15	29.81	81.6	6.18	4.6	SR5	8/16/2017 7:15	29.56	90.6	6.86	4.6	SR5	8/16/2017 13:15	30.20	81.6	6.18	5.9	SR5	8/16/2017 19:15	30.22	90.6	6.86	5.2
SR5	8/16/2017 1:20	29.78	84.7	6.42	6.3	SR5	8/16/2017 7:20	29.55	89.9	6.81	5.0	SR5	8/16/2017 13:20	30.19	84.5	6.40	3.5	SR5	8/16/2017 19:20	30.21	99.0	7.50	5.2
SR5	8/16/2017 1:25	29.78	84.0	6.36	6.3	SR5	8/16/2017 7:25	29.55	85.8	6.50	5.9	SR5	8/16/2017 13:25	30.17	82.9	6.28	3.1	SR5	8/16/2017 19:25	30.20	92.1	6.98	7.8
SR5	8/16/2017 1:30	29.77	89.2	6.76	4.5	SR5	8/16/2017 7:30	29.54	87.5	6.83	6.1	SR5	8/16/2017 13:30	30.23	85.4	6.47	6.9	SR5	8/16/2017 19:30	30.18	99.1	7.51	4.6
SR5	8/16/2017 1:35	29.77	88.0	6.67	5.5	SR5	8/16/2017 7:35	29.53	83.4	6.32	6.3	SR5	8/16/2017 13:35	30.25	83.3	6.31	4.6	SR5	8/16/2017 19:35	30.17	93.1	7.05	5.9
SR5	8/16/2017 1:40	29.75	87.4	6.62	4.3	SR5	8/16/2017 7:40	29.53	90.6	6.86	5.8	SR5	8/16/2017 13:40	29.95	89.5	6.78	5.4	SR5	8/16/2017 19:40	30.16	89.0	6.74	6.8
SR5	8/16/2017 1:45	29.74	85.0	6.44	4.6	SR5	8/16/2017 7:45	29.53	88.6	6.71	6.1	SR5	8/16/2017 13:45	30.16	84.3	6.39	7.2	SR5	8/16/2017 19:45	30.17	94.5	7.16	3.1
SR5	8/16/2017 1:50	29.76	84.3	6.39	6.3	SR5	8/16/2017 7:50	29.53	88.6	6.71	5.5	SR5	8/16/2017 13:50	29.96	92.3	6.99	6.0	SR5	8/16/2017 19:50	30.16	92.3	6.99	6.5
SR5	8/16/2017 1:55	29.77	87.1	6.60	5.1	SR5	8/16/2017 7:55	29.52	92.3	6.99	5.4	SR5	8/16/2017 13:55	30.22	86.7	6.57	5.0	SR5	8/16/2017 19:55	30.14	93.3	7.07	6.1
SR5	8/16/2017 2:00	29.78	78.9	5.98	5.6	SR5	8/16/2017 8:00	29.51	86.7	6.57	5.1	SR5	8/16/2017 14:00	29.89	87.5	6.63	6.8	SR5	8/16/2017 20:00	30.12	91.2	6.91	3.5
SR5	8/16/2017 2:05	29.79	84.3	6.39	4.5	SR5	8/16/2017 8:05	29.52	86.1	6.52	5.0	SR5	8/16/2017 14:05	30.21	93.5	7.08	6.0	SR5	8/16/2017 20:05	30.11	89.2	6.76	5.5
SR5	8/16/2017 2:10	29.77	84.0	6.36	4.8	SR5	8/16/2017 8:10	29.51	89.2	6.76	4.7	SR5	8/16/2017 14:10	29.97	85.0	6.44	6.7	SR5	8/16/2017 20:10	30.09	89.6	6.79	7.1
SR5	8/16/2017 2:15	29.79	80.0	6.09	6.2	SR5	8/16/2017 8:15	29.53	88.4	6.70	5.9	SR5	8/16/2017 14:15	30.16	86.7	6.57	7.0	SR5	8/16/2017 20:15	30.09	95.0	6.70	6.2
SR5	8/16/2017 2:20	29.79	79.3	6.01	4.8	SR5	8/16/2017 8:20	29.55	85.1	6.45	4.3	SR5	8/16/2017 14:20	29.94	87.6	6.64	6.8	SR5	8/16/2017 20:20	30.07	87.5	6.63	4.7
SR5	8/16/2017 2:25	29.77	77.7	5.89	6.4	SR5	8/16/2017 8:25	29.62	86.6	6.56	6.3	SR5	8/16/2017 14:25	30.17	93.1	7.05	7.6	SR5	8/16/2017 20:25	30.06	87.4	6.62	6.1
SR5	8/16/2017 2:30	29.75	79.5	6.02	4.9	SR5	8/16/2017 8:30	29.62	86.7	6.57	4.2	SR5	8/16/2017 14:30	29.88	92.5	7.01	3.2	SR5	8/16/2017 20:30	30.06	87.4	6.62	7.5
SR5	8/16/2017 2:35	29.74	81.8	6.20	5.7	SR5	8/16/2017 8:35	29.59	78.9	5.98	4.2	SR5	8/16/2017 14:35	30.17	87.6	6.64	4.3	SR5	8/16/2017 20:35	30.04	88.3	6.69	6.3
SR5	8/16/2017 2:40	29.75	80.0	6.06	5.9	SR5	8/16/2017 8:40	29.60	78.5	5.95	6.8	SR5	8/16/2017 14:40	30.13	89.2	6.76	3.9	SR5	8/16/2017 20:40	30.03	94.6	7.17	6.6
SR5	8/16/2017 2:45	29.74	83.4	6.32	5.0	SR5	8/16/2017 8:45	29.69	82.9	6.28	5.7	SR5	8/16/2017 14:45	30.20	85.8	6.50	2.8	SR5	8/16/2017 20:45	30.02	86.3	6.54	4.3
SR5	8/16/2017 2:50	29.73	79.7	6.04	6.6	SR5	8/16/2017 8:50	29.69	86.6	6.56	4.4	SR5	8/16/2017 14:50	30.10	85.1	6.45	4.9	SR5	8/16/2017 20:50	30.00	90.3	6.84	4.9
SR5	8/16/2017 2:55	29.73	85.8	6.50	6.4	SR5	8/16/2017 8:55	29.67	78.5	5.95	5.2	SR5	8/16/2017 14:55	30.04	87.1	6.60	6.6	SR5	8/16/2017 20:55	29.98	86.3	6.54	4.4
SR5	8/16/2017 3:00	29.73	87.4	6.62	4.5	SR5	8/16/2017 9:00	29.64	79.7	6.04	6.5	SR5	8/16/2017 15:00	30.17	90.8	6.88	6.5	SR5	8/16/2017 21:00	29.97	86.7	6.57	4.0
SR5	8/16/2017 3:05	29.71	84.1	6.37	4.2	SR5	8/16/2017 9:05	29.66	85.8	6.50	4.5	SR5	8/16/2017 15:05	30.07	91.9	6.96	2.9	SR5	8/16/2017 21:05	29.95	90.7	6.87	5.5
SR5	8/16/2017 3:10	29.69	79.9	6.05	4.8	SR5	8/16/2017 9:10	29.66	78.3	5.93	5.8	SR5	8/16/2017 15:10	30.06	88.0	6.67	5.0	SR5	8/16/2017 21:10	29.93	93.3	7.07	5.0
SR5	8/16/2017 3:15	29.68	79.1	5.99	5.3	SR5	8/16/2017 9:15	29.65	83.2	6.30	4.6	SR5	8/16/2017 15:15	30.17	95.8	7.26	3.5	SR5	8/16/2017 21:15	29.90	91.9	6.96	7.2
SR5	8/16/2017 3:20	29.68	87.6	6.64	5.8	SR5	8/16/2017 9:20	29.68	79.3	6.01	6.3	SR5	8/16/2017 15:20	29.91	91.1	6.90	3.3	SR5	8/16/2017 21:20	29.89	91.3	6.92	4.5
SR5	8/16/2017 3:25	29.67	89.4	6.77	4.9	SR5	8/16/2017 9:25	29.69	82.0	6.21	5.0	SR5	8/16/2017 15:25	29.91	93.9	7.11	5.1	SR5	8/16/2017 21:25	29.87	86.3	6.54	5.4
SR5	8/16/2017 3:30	29.65	79.5	6.02	4.9	SR5	8/16/2017 9:30	29.69	85.9	6.51	3.2	SR5	8/16/2017 15:30	29.99	90.3	6.84	6.5	SR5	8/16/2017 21:30	29.85	83.8	6.35	3.2
SR5	8/16/2017 3:35	29.62	85.4	6.47	6.1	SR5	8/16/2017 9:35	29.71	79.9	6.05	7.2	SR5	8/16/2017 15:35	29.98	86.9	6.58	7.4	SR5	8/16/2017 21:35	29.85	86.2	6.53	2.9
SR5	8/16/2017 3:40	29.63	80.1	6.07	6.4	SR5	8/16/2017 9:40	29.72	82.4	6.24	7.1	SR5	8/16/2017 15:40	30.21	90.0	6.82	6.2	SR5	8/16/2017 21:40	29.84	85.4	6.47	5.1
SR5	8/16/2017 3:45	29.62	81.8	6.20	5.9	SR5	8/16/2017 9:45	29.67	81.4	6.17	7.8	SR5	8/16/2017 15:45	29.96	90.7	6.87	6.2	SR5	8/16/2017 21:45	29.83	90.2	6.83	7.9
SR5	8/16/2017 3:50	29.59	84.0	6.36	6.3	SR5	8/16/2017 9:50	29.67	74.4	5.64	4.1	SR5	8/16/2017 15:50	29.95	87.6	6.64	7.2	SR5	8/16/2017 21:50	29.80	85.7	6.49	5.5
SR5	8/16/2017 3:55	29.57	84.3	6.39	7.0	SR5	8/16/2017 9:55	29.67	79.6	6.03													

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	8/16/2017 0:01	29.83	84.6	6.41	5.5	SR12	8/16/2017 6:01	29.50	84.3	6.39	6.3	SR12	8/16/2017 12:01	30.32	82.6	6.26	6.5	SR12	8/16/2017 18:01	30.51	92.0	6.97	8.6
SR12	8/16/2017 0:06	29.84	88.3	6.69	6.1	SR12	8/16/2017 6:06	29.51	81.6	6.18	6.9	SR12	8/16/2017 12:06	30.33	85.8	6.50	6.7	SR12	8/16/2017 18:06	30.52	88.0	6.67	8.1
SR12	8/16/2017 0:11	29.86	81.4	6.17	7.0	SR12	8/16/2017 6:11	29.54	87.1	6.60	6.8	SR12	8/16/2017 12:11	30.23	89.0	6.74	7.1	SR12	8/16/2017 18:11	30.51	96.4	7.30	8.9
SR12	8/16/2017 0:16	29.85	79.6	6.03	6.9	SR12	8/16/2017 6:16	29.57	90.8	6.88	6.0	SR12	8/16/2017 12:16	30.21	82.9	6.28	6.5	SR12	8/16/2017 18:16	30.52	94.6	7.17	8.0
SR12	8/16/2017 0:21	29.85	82.5	6.25	7.1	SR12	8/16/2017 6:21	29.55	88.3	6.69	6.7	SR12	8/16/2017 12:21	30.26	90.3	6.84	6.8	SR12	8/16/2017 18:21	30.53	91.7	6.95	8.2
SR12	8/16/2017 0:26	29.84	85.8	6.50	6.8	SR12	8/16/2017 6:26	29.56	88.6	6.71	7.1	SR12	8/16/2017 12:26	30.16	86.9	6.58	5.9	SR12	8/16/2017 18:26	30.54	95.6	7.24	8.7
SR12	8/16/2017 0:31	29.83	87.9	6.66	7.6	SR12	8/16/2017 6:31	29.56	87.4	6.62	6.8	SR12	8/16/2017 12:31	30.20	85.5	6.48	6.1	SR12	8/16/2017 18:31	30.55	95.8	7.26	8.4
SR12	8/16/2017 0:36	29.82	79.7	6.04	6.0	SR12	8/16/2017 6:36	29.57	81.8	6.20	6.8	SR12	8/16/2017 12:36	30.15	80.1	6.07	5.9	SR12	8/16/2017 18:36	30.51	90.6	6.86	8.9
SR12	8/16/2017 0:41	29.84	88.2	6.68	6.5	SR12	8/16/2017 6:41	29.61	82.2	6.23	6.7	SR12	8/16/2017 12:41	30.26	82.4	6.24	6.4	SR12	8/16/2017 18:41	30.50	89.5	6.78	8.1
SR12	8/16/2017 0:46	29.83	85.4	6.47	6.4	SR12	8/16/2017 6:46	29.58	84.9	6.43	5.9	SR12	8/16/2017 12:46	30.25	90.2	6.83	5.8	SR12	8/16/2017 18:46	30.54	92.3	6.99	8.7
SR12	8/16/2017 0:51	29.82	79.2	6.00	7.4	SR12	8/16/2017 6:51	29.60	89.9	6.81	6.1	SR12	8/16/2017 12:51	30.17	82.4	6.24	6.2	SR12	8/16/2017 18:51	30.52	88.3	6.69	8.5
SR12	8/16/2017 0:56	29.81	82.1	6.22	5.6	SR12	8/16/2017 6:56	29.60	88.0	6.67	6.6	SR12	8/16/2017 12:56	30.22	80.4	6.09	7.6	SR12	8/16/2017 18:56	30.50	92.1	6.98	8.5
SR12	8/16/2017 1:01	29.82	84.9	6.43	7.1	SR12	8/16/2017 7:01	29.63	84.2	6.38	5.7	SR12	8/16/2017 13:01	30.23	83.6	6.33	6.1	SR12	8/16/2017 19:01	30.53	87.8	6.65	7.9
SR12	8/16/2017 1:06	29.83	87.9	6.66	5.5	SR12	8/16/2017 7:06	29.62	82.8	6.27	6.5	SR12	8/16/2017 13:06	30.26	86.3	6.54	5.5	SR12	8/16/2017 19:06	30.50	91.3	6.92	7.7
SR12	8/16/2017 1:11	29.83	82.2	6.23	5.7	SR12	8/16/2017 7:11	29.62	89.9	6.81	5.7	SR12	8/16/2017 13:11	30.28	82.1	6.22	6.4	SR12	8/16/2017 19:11	30.50	96.9	7.34	8.2
SR12	8/16/2017 1:16	29.81	79.1	5.99	6.9	SR12	8/16/2017 7:16	29.66	86.9	6.58	6.0	SR12	8/16/2017 13:16	30.26	83.2	6.30	7.6	SR12	8/16/2017 19:16	30.49	89.6	6.79	8.6
SR12	8/16/2017 1:21	29.80	80.8	6.12	6.2	SR12	8/16/2017 7:21	29.61	82.5	6.25	6.5	SR12	8/16/2017 13:21	30.33	82.4	6.24	6.1	SR12	8/16/2017 19:21	30.51	95.2	7.21	8.9
SR12	8/16/2017 1:26	29.77	80.3	6.08	7.2	SR12	8/16/2017 7:26	29.66	87.3	6.61	5.8	SR12	8/16/2017 13:26	30.35	85.8	6.50	5.9	SR12	8/16/2017 19:26	30.52	94.1	7.13	8.8
SR12	8/16/2017 1:31	29.73	82.4	6.24	13.1	SR12	8/16/2017 7:31	29.62	85.5	6.48	6.5	SR12	8/16/2017 13:31	30.40	89.4	6.77	6.2	SR12	8/16/2017 19:31	30.50	93.3	7.07	8.2
SR12	8/16/2017 1:36	29.72	82.1	6.22	5.8	SR12	8/16/2017 7:36	29.65	84.6	6.41	5.8	SR12	8/16/2017 13:36	30.41	87.8	6.65	7.0	SR12	8/16/2017 19:36	30.49	94.4	7.15	7.7
SR12	8/16/2017 1:41	29.72	81.7	6.19	6.2	SR12	8/16/2017 7:41	29.63	86.5	6.55	6.9	SR12	8/16/2017 13:41	30.34	90.7	6.87	6.4	SR12	8/16/2017 19:41	30.52	95.3	7.22	8.0
SR12	8/16/2017 1:46	29.71	83.8	6.35	7.3	SR12	8/16/2017 7:46	29.65	82.1	6.22	6.6	SR12	8/16/2017 13:46	30.43	90.7	6.87	7.2	SR12	8/16/2017 19:46	30.52	95.3	7.22	8.3
SR12	8/16/2017 1:51	29.71	82.4	6.24	6.7	SR12	8/16/2017 7:51	29.64	82.4	6.24	7.2	SR12	8/16/2017 13:51	30.33	89.5	6.78	7.2	SR12	8/16/2017 19:51	30.50	96.4	7.30	8.7
SR12	8/16/2017 1:56	29.72	80.3	6.08	7.2	SR12	8/16/2017 7:56	29.64	91.5	6.93	5.6	SR12	8/16/2017 13:56	30.38	88.7	6.72	6.8	SR12	8/16/2017 19:56	30.50	93.2	7.06	7.3
SR12	8/16/2017 2:01	29.74	81.0	6.14	7.2	SR12	8/16/2017 8:01	29.67	87.8	6.65	6.8	SR12	8/16/2017 14:01	30.29	87.0	6.59	7.6	SR12	8/16/2017 20:01	30.51	87.8	6.65	6.9
SR12	8/16/2017 2:06	29.73	84.5	6.40	6.8	SR12	8/16/2017 8:06	29.64	90.3	6.84	5.8	SR12	8/16/2017 14:06	30.42	86.2	6.53	8.5	SR12	8/16/2017 20:06	30.51	91.1	6.90	6.7
SR12	8/16/2017 2:11	29.76	82.0	6.21	5.4	SR12	8/16/2017 8:11	29.67	85.7	6.49	5.9	SR12	8/16/2017 14:11	30.36	92.7	7.02	7.5	SR12	8/16/2017 20:11	30.51	87.8	6.65	7.8
SR12	8/16/2017 2:16	29.75	79.1	5.99	7.1	SR12	8/16/2017 8:16	29.70	84.1	6.37	6.7	SR12	8/16/2017 14:16	30.46	87.3	6.61	6.7	SR12	8/16/2017 20:16	30.52	92.5	7.01	6.6
SR12	8/16/2017 2:21	29.80	83.4	6.32	7.4	SR12	8/16/2017 8:21	29.66	89.5	6.78	6.8	SR12	8/16/2017 14:21	30.39	94.0	7.12	7.5	SR12	8/16/2017 20:21	30.48	92.0	6.97	7.0
SR12	8/16/2017 2:26	29.79	78.4	5.94	5.9	SR12	8/16/2017 8:26	29.66	89.0	6.74	6.4	SR12	8/16/2017 14:26	30.46	89.9	6.81	7.6	SR12	8/16/2017 20:26	30.48	93.3	7.07	6.9
SR12	8/16/2017 2:31	29.77	85.9	6.51	7.7	SR12	8/16/2017 8:31	29.68	85.0	6.44	6.3	SR12	8/16/2017 14:31	30.36	85.4	6.47	7.4	SR12	8/16/2017 20:31	30.51	91.6	6.94	6.8
SR12	8/16/2017 2:36	29.83	79.1	5.99	7.3	SR12	8/16/2017 8:36	29.64	87.3	6.61	5.5	SR12	8/16/2017 14:36	30.45	86.3	6.54	6.5	SR12	8/16/2017 20:36	30.51	90.3	6.84	6.9
SR12	8/16/2017 2:41	29.84	85.3	6.46	6.0	SR12	8/16/2017 8:41	29.65	85.9	6.51	6.0	SR12	8/16/2017 14:41	30.46	86.7	6.57	7.2	SR12	8/16/2017 20:41	30.49	89.6	6.79	6.9
SR12	8/16/2017 2:46	29.80	84.7	6.42	7.4	SR12	8/16/2017 8:46	29.70	85.1	6.45	6.6	SR12	8/16/2017 14:46	30.46	91.3	6.92	7.8	SR12	8/16/2017 20:46	30.45	87.1	6.60	7.0
SR12	8/16/2017 2:51	29.85	87.9	6.66	6.8	SR12	8/16/2017 8:51	29.69	85.1	6.45	6.5	SR12	8/16/2017 14:51	30.41	91.5	6.93	8.1	SR12	8/16/2017 20:51	30.46	91.7	6.95	7.7
SR12	8/16/2017 2:56	29.82	88.0	6.67	6.3	SR12	8/16/2017 8:56	29.68	82.1	6.22	5.5	SR12	8/16/2017 14:56	30.43	85.8	6.50	7.1	SR12	8/16/2017 20:56	30.46	93.3	7.07	7.0
SR12	8/16/2017 3:01	29.83	86.2	6.53	6.2	SR12	8/16/2017 9:01	29.66	85.0	6.44	5.4	SR12	8/16/2017 15:01	30.49	86.3	6.54	7.5	SR12	8/16/2017 21:01	29.92	89.8	6.80	8.3
SR12	8/16/2017 3:06	29.86	87.6	6.64	6.1	SR12	8/16/2017 9:06	29.69	79.1	5.99	6.4	SR12	8/16/2017 15:06	30.43	90.8	6.88	7.1	SR12	8/16/2017 21:06	29.89	90.9	6.89	7.3
SR12	8/16/2017 3:11	29.87	88.8	6.73	6.4	SR12	8/16/2017 9:11	29.70	84.0	6.36	6.2	SR12	8/16/2017 15:11	30.40	88.8	6.73	6.8	SR12	8/16/2017 21:11	29.88	88.8	6.73	8.1
SR12	8/16/2017 3:16	29.88	88.0	6.67	6.3	SR12	8/16/2017 9:16	29.68	81.4	6.17	5.6	SR12	8/16/2017 15:16	30.46	94.5	7.16	7.5	SR12	8/16/2017 21:16	29.86	89.4	6.77	7.4
SR12	8/16/2017 3:21	29.83	84.6	6.41	6.8	SR12	8/16/2017 9:21	29.68	82.1	6.22	6.2	SR12	8/16/2017 15:21	30.45	90.9	6.89	7.4	SR12	8/16/2017 21:21	29.85	88.7	6.72	6.9
SR12	8/16/2017 3:26	29.88	87.6	6.64	6.3	SR12	8/16/2017 9:26	29.71	78.9	5.98	6.6	SR12	8/16/2017 15:26	30.48	93.9	7.11	7.3	SR12	8/16/2017 21:26	29.83	90.8	6.88	7.2
SR12	8/16/2017 3:31	29.87	85.8	6.50	7.2	SR12	8/16/2017 9:31	29.69	76.4	5.79	7.0	SR12	8/16/2017 15:31	30.47	89.4	6.77	6.3	SR12	8/16/2017 21:31	29.82	89.4	6.77	7.3
SR12	8/16/2017 3:36	29.87	86.5	6.55	6.7	SR12	8/16/2017 9:36	29.66	78.4	5.94	6.3	SR12	8/16/2017 15:36	30.46	87.1	6.60	7.0	SR12	8/16/2017 21:36	29.81	88.0	6.67	6.9
SR12	8/16/2017 3:41	29.89	88.8	6.73	7.0	SR12	8/16/2017 9:41	29.70	79.3	6.01	6.8	SR12	8/16/2017 15:41	30.48	92.8	7.03	8.1	SR12	8/16/2017 21:41	29.81	88.2	6.68	7.9
SR12	8/16/2017 3:46	29.85	82.4	6.24	5.5	SR12	8/16/2017 9:46	29.67	75.2	5.70	6.4	SR12	8/16/2017 15:										

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	8/16/2017 0:00	29.84	86.2	6.53	6.7	SR13	8/16/2017 6:00	29.50	83.0	6.29	6.8	SR13	8/16/2017 12:00	30.41	84.9	6.43	9.3	SR13	8/16/2017 18:00	30.34	95.3	7.22	8.7
SR13	8/16/2017 0:05	29.84	84.1	6.37	5.2	SR13	8/16/2017 6:05	29.53	84.6	6.41	7.4	SR13	8/16/2017 12:05	30.40	91.9	6.96	7.5	SR13	8/16/2017 18:05	30.34	96.8	7.33	7.5
SR13	8/16/2017 0:10	29.82	86.6	6.56	5.0	SR13	8/16/2017 6:10	29.56	90.3	6.84	8.3	SR13	8/16/2017 12:10	30.39	90.8	6.88	7.2	SR13	8/16/2017 18:10	30.32	93.3	7.07	7.8
SR13	8/16/2017 0:15	29.80	89.1	6.75	7.0	SR13	8/16/2017 6:15	29.60	91.5	6.93	7.2	SR13	8/16/2017 12:15	30.37	86.3	6.54	7.0	SR13	8/16/2017 18:15	30.30	87.4	6.62	7.5
SR13	8/16/2017 0:20	29.79	85.9	6.51	6.4	SR13	8/16/2017 6:20	29.62	90.6	6.86	6.8	SR13	8/16/2017 12:20	30.34	83.3	6.31	6.5	SR13	8/16/2017 18:20	30.27	88.0	6.67	8.1
SR13	8/16/2017 0:25	29.77	88.4	6.70	6.5	SR13	8/16/2017 6:25	29.63	91.5	6.93	7.4	SR13	8/16/2017 12:25	30.30	82.5	6.25	7.4	SR13	8/16/2017 18:25	30.27	85.8	6.50	8.4
SR13	8/16/2017 0:30	29.76	78.3	5.93	6.9	SR13	8/16/2017 6:30	29.61	85.1	6.45	6.9	SR13	8/16/2017 12:30	30.29	85.8	6.50	6.7	SR13	8/16/2017 18:30	30.29	93.6	7.09	8.4
SR13	8/16/2017 0:35	29.73	78.9	5.98	6.1	SR13	8/16/2017 6:35	29.60	84.7	6.42	8.0	SR13	8/16/2017 12:35	30.27	83.4	6.32	7.0	SR13	8/16/2017 18:35	30.29	95.7	7.25	8.0
SR13	8/16/2017 0:40	29.77	84.6	6.41	7.6	SR13	8/16/2017 6:40	29.62	88.2	6.68	7.1	SR13	8/16/2017 12:40	30.35	89.0	6.74	7.6	SR13	8/16/2017 18:40	30.27	87.9	6.66	8.8
SR13	8/16/2017 0:45	29.78	87.8	6.65	7.4	SR13	8/16/2017 6:45	29.61	92.4	7.00	8.1	SR13	8/16/2017 12:45	30.34	91.2	6.91	8.1	SR13	8/16/2017 18:45	30.26	91.2	6.91	8.5
SR13	8/16/2017 0:50	29.77	87.0	6.59	7.4	SR13	8/16/2017 6:50	29.61	83.2	6.30	7.6	SR13	8/16/2017 12:50	30.32	83.8	6.35	6.7	SR13	8/16/2017 18:50	30.18	94.1	7.13	8.4
SR13	8/16/2017 0:55	29.79	87.0	6.59	6.3	SR13	8/16/2017 6:55	29.61	86.9	6.58	6.8	SR13	8/16/2017 12:55	30.28	82.4	6.24	6.7	SR13	8/16/2017 18:55	30.14	90.4	6.85	8.1
SR13	8/16/2017 1:00	29.76	86.9	6.58	6.4	SR13	8/16/2017 7:00	29.57	87.9	6.66	7.7	SR13	8/16/2017 13:00	30.27	82.4	6.24	7.2	SR13	8/16/2017 19:00	30.14	87.0	6.59	8.6
SR13	8/16/2017 1:05	29.74	87.4	6.62	6.2	SR13	8/16/2017 7:05	29.54	83.2	6.30	6.6	SR13	8/16/2017 13:05	30.28	86.9	6.58	6.4	SR13	8/16/2017 19:05	30.15	89.4	6.77	7.6
SR13	8/16/2017 1:10	29.75	78.9	5.98	7.0	SR13	8/16/2017 7:10	29.53	84.5	6.40	7.0	SR13	8/16/2017 13:10	30.28	84.7	6.42	6.7	SR13	8/16/2017 19:10	30.14	92.1	6.98	9.3
SR13	8/16/2017 1:15	29.73	80.8	6.12	6.1	SR13	8/16/2017 7:15	29.51	79.6	6.03	7.6	SR13	8/16/2017 13:15	30.34	82.4	6.24	8.5	SR13	8/16/2017 19:15	30.13	90.0	6.82	8.4
SR13	8/16/2017 1:20	29.72	84.3	6.39	6.4	SR13	8/16/2017 7:20	29.56	85.9	6.51	7.2	SR13	8/16/2017 13:20	30.37	90.0	6.82	6.7	SR13	8/16/2017 19:20	30.12	85.1	6.45	8.1
SR13	8/16/2017 1:25	29.70	84.7	6.42	6.3	SR13	8/16/2017 7:25	29.56	85.1	6.45	7.0	SR13	8/16/2017 13:25	30.43	91.7	6.95	6.9	SR13	8/16/2017 19:25	30.10	91.5	6.93	7.6
SR13	8/16/2017 1:30	29.64	78.9	5.98	6.6	SR13	8/16/2017 7:30	29.57	80.7	6.11	6.8	SR13	8/16/2017 13:30	30.50	86.2	6.53	8.3	SR13	8/16/2017 19:30	30.10	92.5	7.01	8.5
SR13	8/16/2017 1:35	29.64	83.3	6.31	7.2	SR13	8/16/2017 7:35	29.59	80.7	6.11	8.0	SR13	8/16/2017 13:35	30.51	86.3	6.54	7.7	SR13	8/16/2017 19:35	30.10	86.2	6.53	8.6
SR13	8/16/2017 1:40	29.63	90.4	6.85	6.4	SR13	8/16/2017 7:40	29.60	81.2	6.15	8.1	SR13	8/16/2017 13:40	30.54	90.0	6.82	7.7	SR13	8/16/2017 19:40	30.10	89.5	6.78	9.1
SR13	8/16/2017 1:45	29.63	84.2	6.38	7.3	SR13	8/16/2017 7:45	29.61	88.6	6.71	6.5	SR13	8/16/2017 13:45	30.59	90.2	6.83	8.0	SR13	8/16/2017 19:45	30.09	87.9	6.66	7.9
SR13	8/16/2017 1:50	29.61	84.3	6.39	9.7	SR13	8/16/2017 7:50	29.61	84.5	6.40	7.1	SR13	8/16/2017 13:50	30.55	88.8	6.73	6.3	SR13	8/16/2017 19:50	30.07	93.2	7.06	8.5
SR13	8/16/2017 1:55	29.61	84.0	6.36	6.8	SR13	8/16/2017 7:55	29.62	82.8	6.27	6.3	SR13	8/16/2017 13:55	30.65	93.2	7.06	7.6	SR13	8/16/2017 19:55	30.06	88.8	6.73	8.1
SR13	8/16/2017 2:00	29.62	83.0	6.29	7.8	SR13	8/16/2017 8:00	29.60	86.5	6.55	8.3	SR13	8/16/2017 14:00	30.78	90.2	6.83	6.8	SR13	8/16/2017 20:00	30.05	89.5	6.78	7.1
SR13	8/16/2017 2:05	29.62	87.8	6.65	8.7	SR13	8/16/2017 8:05	29.58	86.7	6.57	7.9	SR13	8/16/2017 14:05	30.78	87.8	6.65	7.6	SR13	8/16/2017 20:05	30.04	94.2	7.14	7.8
SR13	8/16/2017 2:10	29.63	90.3	6.84	6.9	SR13	8/16/2017 8:10	29.64	82.2	6.23	8.3	SR13	8/16/2017 14:10	30.77	85.8	6.50	7.6	SR13	8/16/2017 20:10	30.02	84.5	6.40	8.9
SR13	8/16/2017 2:15	29.65	89.9	6.81	8.0	SR13	8/16/2017 8:15	29.76	80.0	6.06	6.9	SR13	8/16/2017 14:15	30.77	90.6	6.86	8.1	SR13	8/16/2017 20:15	30.01	83.4	6.32	7.5
SR13	8/16/2017 2:20	29.71	86.5	6.55	8.5	SR13	8/16/2017 8:20	29.76	86.9	6.58	8.0	SR13	8/16/2017 14:20	30.75	91.3	6.92	8.1	SR13	8/16/2017 20:20	30.00	86.9	6.58	8.2
SR13	8/16/2017 2:25	29.72	84.1	6.37	7.3	SR13	8/16/2017 8:25	29.74	84.9	6.43	7.0	SR13	8/16/2017 14:25	30.69	92.8	7.03	8.3	SR13	8/16/2017 20:25	29.99	90.2	6.83	7.2
SR13	8/16/2017 2:30	29.72	86.6	6.56	6.1	SR13	8/16/2017 8:30	29.68	79.6	6.03	7.6	SR13	8/16/2017 14:30	30.68	89.8	6.80	7.9	SR13	8/16/2017 20:30	29.97	86.9	6.58	7.9
SR13	8/16/2017 2:35	29.73	88.8	6.73	6.9	SR13	8/16/2017 8:35	29.67	83.6	6.33	6.7	SR13	8/16/2017 14:35	30.66	89.5	6.78	7.2	SR13	8/16/2017 20:35	29.96	90.4	6.85	6.5
SR13	8/16/2017 2:40	29.71	88.0	6.67	7.6	SR13	8/16/2017 8:40	29.68	84.5	6.40	8.0	SR13	8/16/2017 14:40	30.72	95.0	7.20	7.7	SR13	8/16/2017 20:40	29.95	87.9	6.66	7.8
SR13	8/16/2017 2:45	29.70	85.3	6.46	6.6	SR13	8/16/2017 8:45	29.67	80.9	6.13	7.6	SR13	8/16/2017 14:45	30.78	90.7	6.87	7.2	SR13	8/16/2017 20:45	29.94	88.7	6.72	7.7
SR13	8/16/2017 2:50	29.70	89.8	6.80	8.2	SR13	8/16/2017 8:50	29.67	83.8	6.35	6.6	SR13	8/16/2017 14:50	30.79	91.7	6.95	8.3	SR13	8/16/2017 20:50	29.92	84.9	6.43	7.5
SR13	8/16/2017 2:55	29.70	89.5	6.78	7.3	SR13	8/16/2017 8:55	29.68	81.8	6.20	7.1	SR13	8/16/2017 14:55	30.78	94.4	7.15	6.9	SR13	8/16/2017 20:55	29.91	88.7	6.72	7.8
SR13	8/16/2017 3:00	29.70	85.4	6.47	7.2	SR13	8/16/2017 9:00	29.68	84.7	6.42	6.4	SR13	8/16/2017 15:00	30.76	93.1	7.05	7.6	SR13	8/16/2017 21:00	29.90	83.0	6.29	8.6
SR13	8/16/2017 3:05	29.69	80.7	6.11	12.3	SR13	8/16/2017 9:05	29.67	85.3	6.46	7.8	SR13	8/16/2017 15:05	30.72	92.0	6.97	8.4	SR13	8/16/2017 21:05	29.89	87.0	6.59	7.9
SR13	8/16/2017 3:10	29.63	85.9	6.51	7.4	SR13	8/16/2017 9:10	29.66	84.3	6.39	6.8	SR13	8/16/2017 15:10	30.69	85.9	6.51	8.0	SR13	8/16/2017 21:10	29.88	87.5	6.63	6.9
SR13	8/16/2017 3:15	29.60	87.1	6.60	7.7	SR13	8/16/2017 9:15	29.64	79.9	6.05	7.5	SR13	8/16/2017 15:15	30.67	95.4	7.23	8.0	SR13	8/16/2017 21:15	29.87	89.2	6.76	7.0
SR13	8/16/2017 3:20	29.56	87.8	6.65	7.3	SR13	8/16/2017 9:20	29.63	78.7	5.96	6.1	SR13	8/16/2017 15:20	30.65	96.5	7.31	7.4	SR13	8/16/2017 21:20	29.86	88.2	6.68	8.7
SR13	8/16/2017 3:25	29.56	85.7	6.49	6.9	SR13	8/16/2017 9:25	29.61	75.4	5.71	7.7	SR13	8/16/2017 15:25	30.64	91.3	6.92	7.6	SR13	8/16/2017 21:25	29.84	83.8	6.35	8.4
SR13	8/16/2017 3:30	29.58	83.3	6.31	8.3	SR13	8/16/2017 9:30	29.62	77.7	5.89	7.3	SR13	8/16/2017 15:30	30.64	87.4	6.62	8.3	SR13	8/16/2017 21:30	29.82	90.2	6.83	7.9
SR13	8/16/2017 3:35	29.55	84.0	6.36	8.2	SR13	8/16/2017 9:35	29.58	75.6	5.73	7.1	SR13	8/16/2017 15:35	30.68	94.2	7.14	8.8	SR13	8/16/2017 21:35	29.81	88.6	6.71	8.0
SR13	8/16/2017 3:40	29.55	84.1	6.37	7.0	SR13	8/16/2017 9:40	29.63	80.9	6.13	7.4	SR13	8/16/2017 15:40	30.67	95.7	7.25	9.9	SR13	8/16/2017 21:40	29.81	81.2	6.15	8.0
SR13	8/16/2017 3:45	29.54	81.6	6.18	6.3	SR13	8/16/2017 9:45	29.68	83.3	6.31	7.5	SR13	8/16/2017 15:45	30.71	91.9	6.96	8.0	SR13	8/16/2017 21:45	29.80	84.9	6.43	8.4
SR13	8/16/2017 3:50	29.54	81.4	6.17	7.3	SR13	8/16/2017 9:50	29.68	78.5	5.95	8.2	SR13	8/16/2017 15:50	30.62	91.2	6.91	6.3</						

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/16/2017 0:17	0.01				SR12	8/16/2017 0:17	0.04			
SR4	8/16/2017 0:37	0.02				SR12	8/16/2017 0:37	0.02			
SR4	8/16/2017 0:57	0.01				SR12	8/16/2017 0:57	0.02			
SR4	8/16/2017 1:17	0.01				SR12	8/16/2017 1:17	0.01			
SR4	8/16/2017 1:37	0.02				SR12	8/16/2017 1:37	0.03			
SR4	8/16/2017 1:57	0.03				SR12	8/16/2017 1:57	0.01			
SR4	8/16/2017 2:17	0.02				SR12	8/16/2017 2:17	0.04			
SR4	8/16/2017 2:37	0.03				SR12	8/16/2017 2:37	0.04			
SR4	8/16/2017 2:57	0.01				SR12	8/16/2017 2:57	0.03			
SR4	8/16/2017 3:17	0.03				SR12	8/16/2017 3:17	0.02			
SR4	8/16/2017 3:37	0.02				SR12	8/16/2017 3:37	0.03			
SR4	8/16/2017 3:57	0.02				SR12	8/16/2017 3:57	0.04			
SR4	8/16/2017 4:17	0.03				SR12	8/16/2017 4:17	0.01			
SR4	8/16/2017 4:37	0.03				SR12	8/16/2017 4:37	0.01			
SR4	8/16/2017 4:57	0.02				SR12	8/16/2017 4:57	0.03			
SR4	8/16/2017 5:17	0.02				SR12	8/16/2017 5:17	0.01			
SR4	8/16/2017 5:37	0.01				SR12	8/16/2017 5:37	0.03			
SR4	8/16/2017 5:57	0.02				SR12	8/16/2017 5:57	0.04			
SR4						SR12					
SR4	8/16/2017 6:37	0.01				SR12	8/16/2017 6:37	0.02			
SR4	8/16/2017 6:57	0.03				SR12	8/16/2017 6:57	0.04			
SR4	8/16/2017 7:17	0.01				SR12	8/16/2017 7:17	0.04			
SR4	8/16/2017 7:37	0.01				SR12	8/16/2017 7:37	0.04			
SR4	8/16/2017 7:57	0.01				SR12	8/16/2017 7:57	0.03			
SR4	8/16/2017 8:17	0.03				SR12	8/16/2017 8:17	0.04			
SR4	8/16/2017 8:37	0.03				SR12	8/16/2017 8:37	0.03			
SR4	8/16/2017 8:57	0.03				SR12	8/16/2017 8:57	0.02			
SR4	8/16/2017 9:17	0.02				SR12	8/16/2017 9:17	0.03			
SR4	8/16/2017 9:37	0.03				SR12	8/16/2017 9:37	0.02			
SR4	8/16/2017 9:57	0.02				SR12	8/16/2017 9:57	0.02			
SR4	8/16/2017 10:17	0.01				SR12					
SR4	8/16/2017 10:37	0.03				SR12					
SR4	8/16/2017 10:57	0.01				SR12					
SR4	8/16/2017 11:17	0.02				SR12					
SR4	8/16/2017 11:37	0.03				SR12	8/16/2017 11:37	0.04			
SR4	8/16/2017 11:57	0.03				SR12	8/16/2017 11:57	0.03			
SR4						SR12	8/16/2017 12:17	0.02			
SR4						SR12	8/16/2017 12:37	0.03			
SR4						SR12	8/16/2017 12:57	0.04			
SR4						SR12	8/16/2017 13:17	0.03			
SR4	8/16/2017 13:37	0.01				SR12	8/16/2017 13:37	0.05			
SR4	8/16/2017 13:57	0.02				SR12	8/16/2017 13:57	0.03			
SR4	8/16/2017 14:17	0.03				SR12	8/16/2017 14:17	0.02			
SR4	8/16/2017 14:37	0.01				SR12	8/16/2017 14:37	0.05			
SR4	8/16/2017 14:57	0.02				SR12	8/16/2017 14:57	0.03			
SR4	8/16/2017 15:17	0.02				SR12	8/16/2017 15:17	0.06			
SR4	8/16/2017 15:37	0.01				SR12	8/16/2017 15:37	0.03			
SR4	8/16/2017 15:57	0.02				SR12	8/16/2017 15:57	0.06			
SR4	8/16/2017 16:17	0.03				SR12	8/16/2017 16:17	0.03			
SR4	8/16/2017 16:37	0.03				SR12	8/16/2017 16:37	0.04			
SR4	8/16/2017 16:57	0.02				SR12	8/16/2017 16:57	0.05			
SR4	8/16/2017 17:17	0.01				SR12	8/16/2017 17:17	0.03			
SR4	8/16/2017 17:37	0.01				SR12	8/16/2017 17:37	0.06			
SR4	8/16/2017 17:57	0.01				SR12	8/16/2017 17:57	0.05			
SR4	8/16/2017 18:17	0.02				SR12	8/16/2017 18:17	0.03			
SR4	8/16/2017 18:37	0.03				SR12	8/16/2017 18:37	0.04			
SR4	8/16/2017 18:57	0.03				SR12	8/16/2017 18:57	0.05			
SR4	8/16/2017 19:17	0.01				SR12	8/16/2017 19:17	0.03			
SR4	8/16/2017 19:37	0.03				SR12	8/16/2017 19:37	0.05			
SR4	8/16/2017 19:57	0.03				SR12	8/16/2017 19:57	0.05			
SR4	8/16/2017 20:17	0.02				SR12	8/16/2017 20:17	0.04			
SR4	8/16/2017 20:37	0.03				SR12	8/16/2017 20:37	0.04			
SR4	8/16/2017 20:57	0.02				SR12	8/16/2017 20:57	0.05			
SR4	8/16/2017 21:17	0.02				SR12	8/16/2017 21:17	0.02			
SR4	8/16/2017 21:37	0.03				SR12	8/16/2017 21:37	0.04			
SR4	8/16/2017 21:57	0.02				SR12	8/16/2017 21:57	0.06			
SR4	8/16/2017 22:17	0.03				SR12	8/16/2017 22:17	0.02			
SR4	8/16/2017 22:37	0.02				SR12	8/16/2017 22:37	0.06			
SR4	8/16/2017 22:57	0.02				SR12	8/16/2017 22:57	0.05			
SR4	8/16/2017 23:17	0.02				SR12	8/16/2017 23:17	0.05			
SR4	8/16/2017 23:37	0.03				SR12	8/16/2017 23:37	0.02			
SR4	8/16/2017 23:57	0.03				SR12	8/16/2017 23:57	0.06			

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 12:06-13:16.

SR12 monitoring station was under maintenance during 10:01-11:11.

## 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	8/17/2017 0:01	29.92	84.6	6.41	7.6	SR4	8/17/2017 6:01	29.30	84.2	6.38	8.3	SR4	8/17/2017 12:01	30.13	85.1	6.45	7.6	SR4	8/17/2017 18:01	30.33	88.6	6.71	8.2
SR4	8/17/2017 0:06	29.93	84.1	6.37	7.1	SR4	8/17/2017 6:06	29.30	82.2	6.23	7.3	SR4	8/17/2017 12:06	30.37	87.9	6.66	7.8	SR4	8/17/2017 18:06	30.23	82.9	6.28	6.4
SR4	8/17/2017 0:11	29.92	87.9	6.67	8.2	SR4	8/17/2017 6:11	29.36	81.0	6.14	6.4	SR4	8/17/2017 12:11	30.33	82.2	6.23	7.1	SR4	8/17/2017 18:11	30.29	91.1	6.90	8.0
SR4	8/17/2017 0:16	29.90	84.9	6.43	6.8	SR4	8/17/2017 6:16	29.33	79.5	6.02	7.0	SR4	8/17/2017 12:16	30.46	79.7	6.04	8.0	SR4	8/17/2017 18:16	30.53	87.6	6.64	7.3
SR4	8/17/2017 0:21	29.89	79.9	6.05	6.9	SR4	8/17/2017 6:21	29.30	80.8	6.12	7.5	SR4	8/17/2017 12:21	30.22	90.2	6.83	8.1	SR4	8/17/2017 18:21	30.53	89.5	6.78	8.2
SR4	8/17/2017 0:26	29.80	91.1	6.90	7.8	SR4	8/17/2017 6:26	29.35	75.6	5.73	7.2	SR4	8/17/2017 12:26	30.50	88.7	6.72	8.3	SR4	8/17/2017 18:26	30.54	85.7	6.49	7.5
SR4	8/17/2017 0:31	29.75	93.1	7.05	7.7	SR4	8/17/2017 6:31	29.38	75.9	5.75	7.3	SR4	8/17/2017 12:31	30.23	90.9	6.89	7.9	SR4	8/17/2017 18:31	30.53	83.4	6.32	7.6
SR4	8/17/2017 0:36	29.73	84.1	6.37	6.8	SR4	8/17/2017 6:36	29.36	75.4	5.71	7.5	SR4	8/17/2017 12:36	30.41	91.9	6.96	7.7	SR4	8/17/2017 18:36	30.52	84.0	6.36	8.0
SR4	8/17/2017 0:41	29.70	89.6	6.79	7.3	SR4	8/17/2017 6:41	29.35	82.4	6.24	6.4	SR4	8/17/2017 12:41	30.15	85.1	6.45	6.9	SR4	8/17/2017 18:41	30.52	87.8	6.65	7.9
SR4	8/17/2017 0:46	29.72	86.6	6.56	7.7	SR4	8/17/2017 6:46	29.35	79.1	5.99	7.8	SR4	8/17/2017 12:46	30.55	84.3	6.39	6.8	SR4	8/17/2017 18:46	30.51	86.1	6.52	6.9
SR4	8/17/2017 0:51	29.73	85.7	6.49	7.7	SR4	8/17/2017 6:51	29.49	85.9	6.51	6.4	SR4	8/17/2017 12:51	30.16	82.5	6.25	6.5	SR4	8/17/2017 18:51	30.53	87.4	6.62	8.1
SR4	8/17/2017 0:56	29.76	86.7	6.57	7.4	SR4	8/17/2017 6:56	29.48	83.0	6.29	8.1	SR4	8/17/2017 12:56	30.25	86.3	6.54	6.5	SR4	8/17/2017 18:56	30.54	87.4	6.62	7.7
SR4	8/17/2017 1:01	29.77	84.9	6.43	6.8	SR4	8/17/2017 7:01	29.35	83.3	6.31	6.6	SR4	8/17/2017 13:01	30.56	86.3	6.54	7.7	SR4	8/17/2017 19:01	30.29	86.7	6.57	7.4
SR4	8/17/2017 1:06	29.84	85.4	6.47	6.4	SR4	8/17/2017 7:06	29.43	80.8	6.12	6.4	SR4	8/17/2017 13:06	30.23	84.1	6.37	7.3	SR4	8/17/2017 19:06	30.36	92.9	7.04	7.0
SR4	8/17/2017 1:11	29.84	85.7	6.49	7.5	SR4	8/17/2017 7:11	29.45	82.4	6.24	6.4	SR4	8/17/2017 13:11	30.16	90.2	6.83	7.5	SR4	8/17/2017 19:11	30.18	95.3	7.22	7.5
SR4	8/17/2017 1:16	29.75	83.7	6.34	6.4	SR4	8/17/2017 7:16	29.47	84.3	6.39	6.9	SR4	8/17/2017 13:16	30.28	82.9	6.28	7.3	SR4	8/17/2017 19:16	30.55	91.1	6.90	7.0
SR4	8/17/2017 1:21	29.75	81.4	6.17	7.5	SR4	8/17/2017 7:21	29.49	78.5	5.95	6.5	SR4	8/17/2017 13:21	30.46	84.6	6.41	8.0	SR4	8/17/2017 19:21	30.46	90.8	6.88	8.2
SR4	8/17/2017 1:26	29.77	82.2	6.23	7.9	SR4	8/17/2017 7:26	29.46	75.4	5.71	8.1	SR4	8/17/2017 13:26	30.15	82.9	6.28	7.0	SR4	8/17/2017 19:26	30.12	90.0	6.82	7.8
SR4	8/17/2017 1:31	29.77	84.9	6.43	7.7	SR4	8/17/2017 7:31	29.46	75.6	5.73	8.3	SR4	8/17/2017 13:31	30.55	83.0	6.29	7.1	SR4	8/17/2017 19:31	30.50	84.2	6.38	7.6
SR4	8/17/2017 1:36	29.75	84.1	6.37	7.3	SR4	8/17/2017 7:36	29.42	78.1	5.92	8.1	SR4	8/17/2017 13:36	30.38	86.3	6.54	6.5	SR4	8/17/2017 19:36	30.44	88.0	6.67	8.2
SR4	8/17/2017 1:41	29.74	86.5	6.55	8.0	SR4	8/17/2017 7:41	29.46	76.7	5.81	7.1	SR4	8/17/2017 13:41	30.20	92.4	7.00	6.9	SR4	8/17/2017 19:41	30.16	83.3	6.31	7.3
SR4	8/17/2017 1:46	29.75	84.6	6.41	6.4	SR4	8/17/2017 7:46	29.53	86.1	6.52	7.7	SR4	8/17/2017 13:46	30.52	82.6	6.26	7.3	SR4	8/17/2017 19:46	30.41	81.2	6.15	8.1
SR4	8/17/2017 1:51	29.75	85.4	6.47	7.6	SR4	8/17/2017 7:51	29.51	88.7	6.72	7.1	SR4	8/17/2017 13:51	30.26	84.5	6.40	8.0	SR4	8/17/2017 19:51	30.12	79.6	6.03	6.4
SR4	8/17/2017 1:56	29.75	83.0	6.29	8.2	SR4	8/17/2017 7:56	29.50	84.2	6.38	6.7	SR4	8/17/2017 13:56	30.32	92.4	7.00	6.8	SR4	8/17/2017 19:56	30.37	89.5	6.78	6.5
SR4	8/17/2017 2:01	29.74	78.9	5.98	7.1	SR4	8/17/2017 8:01	29.52	89.1	6.75	7.3	SR4	8/17/2017 14:01	30.48	93.7	7.10	7.4	SR4	8/17/2017 20:01	30.53	83.0	6.29	7.8
SR4	8/17/2017 2:06	29.74	81.6	6.18	6.5	SR4	8/17/2017 8:06	29.56	89.1	6.75	6.6	SR4	8/17/2017 14:06	30.18	89.0	6.74	6.6	SR4	8/17/2017 20:06	30.54	79.6	6.03	7.0
SR4	8/17/2017 2:11	29.74	79.1	5.99	7.5	SR4	8/17/2017 8:11	29.57	89.8	6.80	7.2	SR4	8/17/2017 14:11	30.55	83.8	6.35	7.2	SR4	8/17/2017 20:11	30.55	84.1	6.37	7.9
SR4	8/17/2017 2:16	29.74	77.5	5.87	7.9	SR4	8/17/2017 8:16	29.53	82.4	6.24	7.0	SR4	8/17/2017 14:16	30.53	87.3	6.61	7.6	SR4	8/17/2017 20:16	30.53	84.6	6.41	6.5
SR4	8/17/2017 2:21	29.74	81.2	6.15	7.9	SR4	8/17/2017 8:21	29.61	87.4	6.62	8.1	SR4	8/17/2017 14:21	30.46	91.7	6.95	7.4	SR4	8/17/2017 20:21	30.51	85.9	6.51	6.9
SR4	8/17/2017 2:26	29.73	82.4	6.24	8.2	SR4	8/17/2017 8:26	29.70	81.3	6.16	8.0	SR4	8/17/2017 14:26	30.29	91.2	6.91	8.1	SR4	8/17/2017 20:26	30.48	83.2	6.30	7.0
SR4	8/17/2017 2:31	29.72	76.3	5.78	6.9	SR4	8/17/2017 8:31	29.70	82.9	6.28	7.1	SR4	8/17/2017 14:31	30.39	89.4	6.77	7.2	SR4	8/17/2017 20:31	30.46	80.3	6.08	6.5
SR4	8/17/2017 2:36	29.70	82.6	6.26	6.7	SR4	8/17/2017 8:36	29.73	86.6	6.56	7.9	SR4	8/17/2017 14:36	30.33	83.3	6.31	8.0	SR4	8/17/2017 20:36	30.46	85.9	6.51	7.8
SR4	8/17/2017 2:41	29.70	82.1	6.22	6.5	SR4	8/17/2017 8:41	29.71	85.7	6.49	8.3	SR4	8/17/2017 14:41	30.49	93.3	7.07	6.8	SR4	8/17/2017 20:41	30.36	88.0	6.67	6.6
SR4	8/17/2017 2:46	29.68	76.4	5.79	7.4	SR4	8/17/2017 8:46	29.69	81.4	6.17	8.2	SR4	8/17/2017 14:46	30.12	92.3	6.99	7.4	SR4	8/17/2017 20:46	30.36	88.6	6.71	7.7
SR4	8/17/2017 2:51	29.63	80.3	6.08	6.8	SR4	8/17/2017 8:51	29.68	81.3	6.16	8.1	SR4	8/17/2017 14:51	30.54	91.6	6.94	6.6	SR4	8/17/2017 20:51	30.24	84.1	6.37	7.0
SR4	8/17/2017 2:56	29.63	82.0	6.21	7.7	SR4	8/17/2017 8:56	29.72	84.0	6.36	6.7	SR4	8/17/2017 14:56	30.51	84.5	6.40	6.5	SR4	8/17/2017 20:56	30.30	82.6	6.26	7.5
SR4	8/17/2017 3:01	29.63	75.5	5.72	6.7	SR4	8/17/2017 9:01	29.69	87.6	6.64	8.1	SR4	8/17/2017 15:01	30.26	91.6	6.94	6.8	SR4	8/17/2017 21:01	30.23	89.8	6.80	8.2
SR4	8/17/2017 3:06	29.62	79.9	6.05	7.9	SR4	8/17/2017 9:06	29.67	84.7	6.42	6.4	SR4	8/17/2017 15:06	30.36	90.6	6.86	7.6	SR4	8/17/2017 21:06	30.21	90.6	6.86	7.4
SR4	8/17/2017 3:11	29.63	79.9	6.05	7.2	SR4	8/17/2017 9:11	29.77	91.3	6.92	6.4	SR4	8/17/2017 15:11	30.21	87.6	6.64	6.6	SR4	8/17/2017 21:11	30.22	82.2	6.23	6.6
SR4	8/17/2017 3:16	29.62	79.5	6.02	7.3	SR4	8/17/2017 9:16	29.73	79.2	6.00	7.5	SR4	8/17/2017 15:16	30.51	86.3	6.54	8.2	SR4	8/17/2017 21:16	30.25	80.3	6.08	6.8
SR4	8/17/2017 3:21	29.62	78.3	5.93	7.8	SR4	8/17/2017 9:21	29.69	82.1	6.22	7.0	SR4	8/17/2017 15:21	30.49	85.1	6.45	6.9	SR4	8/17/2017 21:21	30.29	91.5	6.93	7.0
SR4	8/17/2017 3:26	29.62	76.6	5.80	7.9	SR4	8/17/2017 9:26	29.90	85.4	6.47	7.9	SR4	8/17/2017 15:26	30.36	85.5	6.48	8.2	SR4	8/17/2017 21:26	30.19	87.5	6.63	7.0
SR4	8/17/2017 3:31	29.61	83.0	6.29	7.3	SR4	8/17/2017 9:31	29.88	86.1	6.52	6.8	SR4	8/17/2017 15:31	30.53	88.3	6.69	8.0	SR4	8/17/2017 21:31	30.04	89.5	6.78	6.7
SR4	8/17/2017 3:36	29.56	79.7	6.04	6.8	SR4	8/17/2017 9:36	29.87	80.3	6.08	8.0	SR4	8/17/2017 15:36	30.30	91.7	6.95	8.3	SR4	8/17/2017 21:36	30.03	88.9	6.58	6.6
SR4	8/17/2017 3:41	29.54	82.8	6.27	8.2	SR4	8/17/2017 9:41	29.96	89.5	6.78	8.2	SR4	8/17/2017 15:41	30.18	88.6	6.71	7.6	SR4	8/17/2017 21:41	30.00	90.0	6.82	7.4
SR4	8/17/2017 3:46	29.55	81.7	6.19	7.3	SR4	8/17/2017 9:46	29.91	82.4	6.24	6.8	SR4	8/17/2017 15:46	30.28	90.6	6.86	7.0	SR4	8/17/2017 21:46	29.99	90.4	6.85	7.1
SR4	8/17/2017 3:51	29.51	78.3	5.93	8.0	SR4	8/17/2017 9:51	29.84	84.5	6.40	7.4	SR4	8/17/2017 15:51	30.40	95.0	7.20	7.0	SR4	8/17/2017 21:51	29.98	85.5	6.48	7.4
SR4	8/17/2017 3:56	29.47	77.4	5.86	7.6	SR4	8/17/2017 9:56	29.88	82.5	6.25	8.3												

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)
SR5	8/17/2017 0:00	29.92	87.9	6.66	8.0	SR5	8/17/2017 6:00	29.27	82.1	6.22	8.5	SR5	8/17/2017 12:00	30.16	89.0	6.74	6.7	SR5	8/17/2017 18:00	30.20	93.7	7.10	7.1
SR5	8/17/2017 0:05	29.92	85.1	6.45	6.5	SR5	8/17/2017 6:05	29.27	78.0	5.91	6.4	SR5	8/17/2017 12:05	30.19	80.0	6.06	7.9	SR5	8/17/2017 18:05	30.02	91.7	6.95	5.7
SR5	8/17/2017 0:10	29.90	90.6	6.86	7.4	SR5	8/17/2017 6:10	29.25	79.3	6.01	8.0	SR5	8/17/2017 12:10	30.12	83.3	6.31	5.5	SR5	8/17/2017 18:10	30.10	89.1	6.75	7.6
SR5	8/17/2017 0:15	29.89	92.3	6.99	6.0	SR5	8/17/2017 6:15	29.25	85.1	6.45	6.7	SR5	8/17/2017 12:15	29.89	88.7	6.72	7.3	SR5	8/17/2017 18:15	30.12	94.6	7.17	6.3
SR5	8/17/2017 0:20	29.88	92.1	6.98	6.0	SR5	8/17/2017 6:20	29.25	86.2	6.53	7.4	SR5	8/17/2017 12:20	30.03	83.0	6.29	7.6	SR5	8/17/2017 18:20	30.02	94.5	7.16	5.9
SR5	8/17/2017 0:25	29.86	90.0	6.82	5.7	SR5	8/17/2017 6:25	29.24	84.0	6.36	6.9	SR5	8/17/2017 12:25	29.88	81.6	6.18	6.9	SR5	8/17/2017 18:25	29.89	92.0	6.97	6.0
SR5	8/17/2017 0:30	29.81	91.3	6.92	5.4	SR5	8/17/2017 6:30	29.23	83.2	6.30	8.1	SR5	8/17/2017 12:30	30.11	80.7	6.11	5.9	SR5	8/17/2017 18:30	30.06	91.9	6.96	7.1
SR5	8/17/2017 0:35	29.81	85.3	6.46	7.3	SR5	8/17/2017 6:35	29.21	81.7	6.19	5.9	SR5	8/17/2017 12:35	30.17	84.9	6.43	7.6	SR5	8/17/2017 18:35	30.00	94.2	7.14	6.6
SR5	8/17/2017 0:40	29.82	85.8	6.50	7.3	SR5	8/17/2017 6:40	29.24	87.1	6.60	8.4	SR5	8/17/2017 12:40	30.09	89.2	6.76	8.2	SR5	8/17/2017 18:40	30.02	91.3	6.92	7.1
SR5	8/17/2017 0:45	29.85	87.4	6.62	7.9	SR5	8/17/2017 6:45	29.24	87.8	6.65	5.9	SR5	8/17/2017 12:45	30.06	85.4	6.47	5.6	SR5	8/17/2017 18:45	30.11	92.4	7.00	5.8
SR5	8/17/2017 0:50	29.86	85.4	6.47	7.2	SR5	8/17/2017 6:50	29.27	87.5	6.63	8.1	SR5	8/17/2017 12:50	29.89	89.2	6.76	6.7	SR5	8/17/2017 18:50	30.15	94.9	7.19	8.3
SR5	8/17/2017 0:55	29.85	90.6	6.86	6.2	SR5	8/17/2017 6:55	29.22	74.2	5.62	5.4	SR5	8/17/2017 12:55	30.12	85.0	6.44	7.7	SR5	8/17/2017 18:55	30.22	96.5	7.31	7.7
SR5	8/17/2017 1:00	29.91	84.7	6.42	6.7	SR5	8/17/2017 7:00	29.23	78.5	5.95	8.3	SR5	8/17/2017 13:00	30.13	89.2	6.76	7.4	SR5	8/17/2017 19:00	29.95	91.7	6.95	6.9
SR5	8/17/2017 1:05	29.93	93.5	7.08	5.7	SR5	8/17/2017 7:05	29.36	78.0	5.91	5.7	SR5	8/17/2017 13:05	29.93	81.4	6.17	5.6	SR5	8/17/2017 19:05	30.13	101.9	7.72	6.3
SR5	8/17/2017 1:10	29.94	89.8	6.80	5.5	SR5	8/17/2017 7:10	29.42	82.9	6.28	7.3	SR5	8/17/2017 13:10	30.01	83.7	6.34	6.5	SR5	8/17/2017 19:10	30.04	94.5	7.16	7.6
SR5	8/17/2017 1:15	29.92	89.1	6.75	6.6	SR5	8/17/2017 7:15	29.40	79.7	6.04	8.2	SR5	8/17/2017 13:15	30.17	82.6	6.26	8.1	SR5	8/17/2017 19:15	29.94	102.3	7.75	7.8
SR5	8/17/2017 1:20	29.85	90.4	6.85	6.8	SR5	8/17/2017 7:20	29.42	85.3	6.46	7.5	SR5	8/17/2017 13:20	30.23	87.8	6.65	5.9	SR5	8/17/2017 19:20	29.97	97.3	7.37	8.5
SR5	8/17/2017 1:25	29.80	82.1	6.22	6.2	SR5	8/17/2017 7:25	29.44	84.5	6.40	8.1	SR5	8/17/2017 13:25	30.03	84.0	6.36	6.0	SR5	8/17/2017 19:25	30.08	101.9	7.72	8.3
SR5	8/17/2017 1:30	29.79	84.6	6.41	7.2	SR5	8/17/2017 7:30	29.44	78.4	5.94	7.4	SR5	8/17/2017 13:30	30.16	92.7	7.02	6.0	SR5	8/17/2017 19:30	29.88	90.7	6.87	7.1
SR5	8/17/2017 1:35	29.77	83.4	6.32	6.0	SR5	8/17/2017 7:35	29.45	78.5	5.95	6.5	SR5	8/17/2017 13:35	30.13	83.2	6.30	7.0	SR5	8/17/2017 19:35	30.03	94.8	7.18	7.3
SR5	8/17/2017 1:40	29.77	81.7	6.19	8.1	SR5	8/17/2017 7:40	29.45	78.5	5.95	7.4	SR5	8/17/2017 13:40	30.20	89.5	6.78	7.6	SR5	8/17/2017 19:40	30.06	99.3	7.52	6.8
SR5	8/17/2017 1:45	29.75	81.3	6.16	6.1	SR5	8/17/2017 7:45	29.47	83.7	6.34	5.4	SR5	8/17/2017 13:45	30.20	87.1	6.60	7.9	SR5	8/17/2017 19:45	30.19	96.8	7.33	6.5
SR5	8/17/2017 1:50	29.75	80.3	6.08	6.4	SR5	8/17/2017 7:50	29.48	79.7	6.04	8.1	SR5	8/17/2017 13:50	29.91	92.7	7.02	7.5	SR5	8/17/2017 19:50	29.93	88.8	6.73	6.2
SR5	8/17/2017 1:55	29.75	82.4	6.24	8.2	SR5	8/17/2017 7:55	29.49	84.9	6.43	7.8	SR5	8/17/2017 13:55	30.21	85.4	6.47	7.3	SR5	8/17/2017 19:55	30.17	90.7	6.87	8.3
SR5	8/17/2017 2:00	29.74	82.4	6.24	5.5	SR5	8/17/2017 8:00	29.49	88.7	6.72	8.4	SR5	8/17/2017 14:00	30.08	93.6	7.09	6.4	SR5	8/17/2017 20:00	30.03	95.4	7.23	7.3
SR5	8/17/2017 2:05	29.74	87.8	6.65	5.7	SR5	8/17/2017 8:05	29.50	85.5	6.48	7.0	SR5	8/17/2017 14:05	30.24	91.2	6.91	7.8	SR5	8/17/2017 20:05	29.94	96.9	7.34	8.0
SR5	8/17/2017 2:10	29.74	81.2	6.15	7.1	SR5	8/17/2017 8:10	29.50	86.2	6.53	8.4	SR5	8/17/2017 14:10	30.01	86.6	6.56	7.9	SR5	8/17/2017 20:10	30.06	96.8	7.33	5.7
SR5	8/17/2017 2:15	29.75	79.7	6.04	7.2	SR5	8/17/2017 8:15	29.48	83.7	6.34	8.3	SR5	8/17/2017 14:15	29.95	91.3	6.92	6.1	SR5	8/17/2017 20:15	30.08	87.9	6.66	7.1
SR5	8/17/2017 2:20	29.74	82.1	6.22	6.9	SR5	8/17/2017 8:20	29.49	81.0	6.14	7.6	SR5	8/17/2017 14:20	30.10	90.3	6.84	7.0	SR5	8/17/2017 20:20	29.97	94.4	7.15	8.3
SR5	8/17/2017 2:25	29.73	82.2	6.23	6.4	SR5	8/17/2017 8:25	29.50	82.0	6.23	6.9	SR5	8/17/2017 14:25	29.99	90.3	6.84	6.3	SR5	8/17/2017 20:25	30.17	89.2	6.76	5.8
SR5	8/17/2017 2:30	29.72	85.5	6.48	7.2	SR5	8/17/2017 8:30	29.50	87.5	6.63	5.5	SR5	8/17/2017 14:30	30.13	93.5	7.08	7.5	SR5	8/17/2017 20:30	29.99	97.3	7.37	6.2
SR5	8/17/2017 2:35	29.70	81.3	6.16	7.1	SR5	8/17/2017 8:35	29.52	82.8	6.27	6.9	SR5	8/17/2017 14:35	30.11	84.2	6.38	5.9	SR5	8/17/2017 20:35	30.05	87.1	6.60	5.8
SR5	8/17/2017 2:40	29.71	83.0	6.29	7.3	SR5	8/17/2017 8:40	29.54	86.3	6.54	7.5	SR5	8/17/2017 14:40	30.15	89.1	6.75	6.0	SR5	8/17/2017 20:40	30.21	97.3	7.37	6.5
SR5	8/17/2017 2:45	29.66	89.8	6.80	6.0	SR5	8/17/2017 8:45	29.56	89.9	6.81	6.4	SR5	8/17/2017 14:45	30.02	88.0	6.67	7.9	SR5	8/17/2017 20:45	30.06	88.6	6.71	7.6
SR5	8/17/2017 2:50	29.61	91.5	6.93	6.9	SR5	8/17/2017 8:50	29.56	82.2	6.23	7.3	SR5	8/17/2017 14:50	29.93	87.8	6.65	5.9	SR5	8/17/2017 20:50	30.09	92.3	6.99	6.1
SR5	8/17/2017 2:55	29.52	89.4	6.77	8.3	SR5	8/17/2017 8:55	29.57	85.4	6.47	7.1	SR5	8/17/2017 14:55	30.09	91.6	6.94	6.7	SR5	8/17/2017 20:55	30.08	91.5	6.93	6.8
SR5	8/17/2017 3:00	29.56	85.9	6.51	7.0	SR5	8/17/2017 9:00	29.61	89.9	6.81	6.1	SR5	8/17/2017 15:00	29.96	94.1	7.13	5.5	SR5	8/17/2017 21:00	29.89	92.3	6.99	8.1
SR5	8/17/2017 3:05	29.59	84.1	6.37	8.1	SR5	8/17/2017 9:05	29.64	87.0	6.59	7.1	SR5	8/17/2017 15:05	30.03	92.8	7.03	7.1	SR5	8/17/2017 21:05	30.16	92.1	6.98	5.5
SR5	8/17/2017 3:10	29.57	83.7	6.34	6.7	SR5	8/17/2017 9:10	29.64	81.6	6.18	7.0	SR5	8/17/2017 15:10	30.12	90.4	6.85	8.5	SR5	8/17/2017 21:10	30.22	95.0	7.20	7.7
SR5	8/17/2017 3:15	29.61	84.1	6.37	7.1	SR5	8/17/2017 9:15	29.62	81.8	6.20	6.2	SR5	8/17/2017 15:15	30.01	91.6	6.94	8.1	SR5	8/17/2017 21:15	30.02	97.3	7.37	7.9
SR5	8/17/2017 3:20	29.56	86.6	6.56	7.6	SR5	8/17/2017 9:20	29.63	85.5	6.48	6.1	SR5	8/17/2017 15:20	30.08	89.1	6.75	5.7	SR5	8/17/2017 21:20	29.97	95.7	7.25	8.5
SR5	8/17/2017 3:25	29.61	90.2	6.83	8.5	SR5	8/17/2017 9:25	29.57	89.9	6.81	8.4	SR5	8/17/2017 15:25	29.93	89.2	6.76	6.3	SR5	8/17/2017 21:25	29.93	96.2	7.29	6.0
SR5	8/17/2017 3:30	29.60	89.0	6.74	8.0	SR5	8/17/2017 9:30	29.59	86.1	6.52	6.6	SR5	8/17/2017 15:30	30.11	92.8	7.03	6.7	SR5	8/17/2017 21:30	29.96	95.8	7.26	5.7
SR5	8/17/2017 3:35	29.51	92.3	6.99	6.6	SR5	8/17/2017 9:35	29.60	89.8	6.80	6.0	SR5	8/17/2017 15:35	30.04	96.8	7.33	5.7	SR5	8/17/2017 21:35	29.99	92.9	7.04	7.6
SR5	8/17/2017 3:40	29.47	88.3	6.69	5.6	SR5	8/17/2017 9:40	29.62	85.4	6.47	8.2	SR5	8/17/2017 15:40	29.96	90.0	6.82	7.3	SR5	8/17/2017 21:40	30.03	91.5	6.93	5.2
SR5	8/17/2017 3:45	29.45	92.0	6.97	6.8	SR5	8/17/2017 9:45	29.71	86.9	6.58	7.0	SR5	8/17/2017 15:45	29.89	90.6	6.86	7.7	SR5	8/17/2017 21:45	30.04	96.8	7.33	6.0
SR5	8/17/2017 3:50	29.44	87.9	6.66	6.5	SR5	8/17/2017 9:50	29.65	77.5	5.87	7.9	SR5	8/17/2017 15:50	30.15	94.9	7.19	6.1	SR5	8/17/2017 21:50	30.05	92.5	7.01	3.5
SR5	8/17/2017 3:55	29.43	86.6	6.56	6.6	SR5	8/17/2017 9:55	29.58	78.9	5.98													



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	8/17/2017 0:01	29.88	83.2	6.30	7.0	SR12	8/17/2017 6:01	29.27	83.0	6.29	6.2	SR12	8/17/2017 12:01	30.50	78.1	5.92	7.3	SR12	8/17/2017 18:01	30.59	87.6	6.64	7.6
SR12	8/17/2017 0:06	29.90	83.8	6.35	2.5	SR12	8/17/2017 6:06	29.26	79.9	6.05	7.1	SR12	8/17/2017 12:06	30.52	72.7	5.51	6.5	SR12	8/17/2017 18:06	30.56	87.1	6.60	7.4
SR12	8/17/2017 0:11	29.89	82.6	6.26	6.1	SR12	8/17/2017 6:11	29.27	78.9	5.98	6.6	SR12	8/17/2017 12:11	30.42	70.5	5.34	7.4	SR12	8/17/2017 18:11	30.57	79.7	6.04	6.6
SR12	8/17/2017 0:16	29.89	83.7	6.34	5.8	SR12	8/17/2017 6:16	29.26	77.9	5.90	7.4	SR12	8/17/2017 12:16	30.37	73.0	5.53	7.5	SR12	8/17/2017 18:16	30.55	84.5	6.40	6.5
SR12	8/17/2017 0:21	29.88	85.7	6.49	5.7	SR12	8/17/2017 6:21	29.25	82.6	6.26	5.6	SR12	8/17/2017 12:21	30.35	76.6	5.80	7.3	SR12	8/17/2017 18:21	30.52	77.7	5.89	7.0
SR12	8/17/2017 0:26	29.84	87.5	6.63	5.6	SR12	8/17/2017 6:26	29.27	85.3	6.46	6.7	SR12	8/17/2017 12:26	30.43	73.7	5.58	6.6	SR12	8/17/2017 18:26	30.48	86.2	6.53	7.3
SR12	8/17/2017 0:31	29.79	85.7	6.49	5.2	SR12	8/17/2017 6:31	29.27	79.9	6.05	5.7	SR12	8/17/2017 12:31	30.48	74.6	5.65	8.1	SR12	8/17/2017 18:31	30.04	93.5	7.08	7.5
SR12	8/17/2017 0:36	29.78	89.2	6.76	6.7	SR12	8/17/2017 6:36	29.26	78.0	5.91	7.8	SR12	8/17/2017 12:36	30.50	71.9	5.45	6.9	SR12	8/17/2017 18:36	30.47	87.3	6.61	7.6
SR12	8/17/2017 0:41	29.77	88.0	6.67	7.1	SR12	8/17/2017 6:41	29.27	82.4	6.24	6.3	SR12	8/17/2017 12:41	30.52	77.9	5.90	7.3	SR12	8/17/2017 18:41	30.59	88.6	6.71	7.0
SR12	8/17/2017 0:46	29.79	91.6	6.94	6.8	SR12	8/17/2017 6:46	29.26	77.9	5.90	7.3	SR12	8/17/2017 12:46	30.57	72.9	5.52	7.9	SR12	8/17/2017 18:46	30.61	88.6	6.71	8.3
SR12	8/17/2017 0:51	29.80	83.6	6.33	6.1	SR12	8/17/2017 6:51	29.32	84.6	6.41	7.2	SR12	8/17/2017 12:51	30.56	73.9	5.60	7.0	SR12	8/17/2017 18:51	30.68	83.2	6.30	8.0
SR12	8/17/2017 0:56	29.83	89.5	6.78	7.6	SR12	8/17/2017 6:56	29.32	79.1	5.99	5.8	SR12	8/17/2017 12:56	30.53	70.2	5.32	8.5	SR12	8/17/2017 18:56	30.68	89.0	6.74	7.7
SR12	8/17/2017 1:01	29.85	87.9	6.66	5.9	SR12	8/17/2017 7:01	29.25	78.7	5.96	7.9	SR12	8/17/2017 13:01	30.70	75.4	5.71	8.5	SR12	8/17/2017 19:01	30.72	85.9	6.51	8.0
SR12	8/17/2017 1:06	29.86	86.5	6.55	7.6	SR12	8/17/2017 7:06	29.35	82.1	6.22	7.5	SR12	8/17/2017 13:06	30.67	74.8	5.67	6.8	SR12	8/17/2017 19:06	30.78	85.8	6.50	6.8
SR12	8/17/2017 1:11	29.85	86.9	6.58	6.8	SR12	8/17/2017 7:11	29.42	80.1	6.07	6.9	SR12	8/17/2017 13:11	30.67	76.6	5.80	6.9	SR12	8/17/2017 19:11	30.79	82.2	6.23	8.1
SR12	8/17/2017 1:16	29.85	82.5	6.25	7.5	SR12	8/17/2017 7:16	29.42	85.1	6.45	6.1	SR12	8/17/2017 13:16	30.65	74.2	5.62	7.3	SR12	8/17/2017 19:16	30.79	86.2	6.53	7.7
SR12	8/17/2017 1:21	29.86	92.5	7.01	7.4	SR12	8/17/2017 7:21	29.44	80.3	6.08	5.9	SR12	8/17/2017 13:21	30.59	72.2	5.47	7.4	SR12	8/17/2017 19:21	30.76	87.5	6.63	6.6
SR12	8/17/2017 1:26	29.84	88.6	6.71	6.5	SR12	8/17/2017 7:26	29.44	76.0	5.76	5.0	SR12	8/17/2017 13:26	30.69	77.0	5.83	7.3	SR12	8/17/2017 19:26	30.79	80.7	6.11	8.5
SR12	8/17/2017 1:31	29.89	91.2	6.91	6.3	SR12	8/17/2017 7:31	29.44	80.7	6.11	7.4	SR12	8/17/2017 13:31	30.70	79.2	6.00	6.6	SR12	8/17/2017 19:31	30.78	81.0	6.14	7.2
SR12	8/17/2017 1:36	29.89	84.0	6.36	6.1	SR12	8/17/2017 7:36	29.42	78.5	5.95	5.8	SR12	8/17/2017 13:36	30.73	72.7	5.51	7.6	SR12	8/17/2017 19:36	30.73	87.8	6.65	7.9
SR12	8/17/2017 1:41	29.88	89.2	6.76	5.6	SR12	8/17/2017 7:41	29.44	85.5	6.48	6.3	SR12	8/17/2017 13:41	30.74	74.3	5.53	6.8	SR12	8/17/2017 19:41	30.73	87.1	6.60	6.9
SR12	8/17/2017 1:46	29.86	84.0	6.36	5.7	SR12	8/17/2017 7:46	29.47	82.5	6.25	5.7	SR12	8/17/2017 13:46	30.74	76.8	5.82	7.0	SR12	8/17/2017 19:46	30.68	88.2	6.68	7.7
SR12	8/17/2017 1:51	29.86	89.8	6.80	5.5	SR12	8/17/2017 7:51	29.44	85.0	6.44	6.7	SR12	8/17/2017 13:51	30.78	72.9	5.52	6.6	SR12	8/17/2017 19:51	30.64	81.4	6.17	7.0
SR12	8/17/2017 1:56	29.90	90.2	6.83	5.9	SR12	8/17/2017 7:56	29.47	79.5	6.02	5.5	SR12	8/17/2017 13:56	30.92	75.2	5.70	6.9	SR12	8/17/2017 19:56	30.54	78.5	5.95	8.2
SR12	8/17/2017 2:01	29.90	88.4	6.70	6.0	SR12	8/17/2017 8:01	29.47	79.7	6.04	6.7	SR12	8/17/2017 14:01	30.98	74.7	5.66	7.4	SR12	8/17/2017 20:01	30.49	83.4	6.32	7.1
SR12	8/17/2017 2:06	29.89	90.8	6.88	6.0	SR12	8/17/2017 8:06	29.46	84.7	6.42	6.1	SR12	8/17/2017 14:06	31.00	82.5	6.25	7.5	SR12	8/17/2017 20:06	30.45	86.5	6.55	8.1
SR12	8/17/2017 2:11	29.90	82.0	6.21	7.7	SR12	8/17/2017 8:11	29.46	78.3	5.93	5.6	SR12	8/17/2017 14:11	30.98	82.6	6.26	7.3	SR12	8/17/2017 20:11	30.42	82.6	6.26	7.1
SR12	8/17/2017 2:16	29.89	88.2	6.68	6.3	SR12	8/17/2017 8:16	29.50	82.2	6.23	7.6	SR12	8/17/2017 14:16	30.99	80.9	6.13	7.1	SR12	8/17/2017 20:16	30.44	85.7	6.49	7.9
SR12	8/17/2017 2:21	29.89	91.9	6.96	5.9	SR12	8/17/2017 8:21	29.48	78.4	5.94	7.4	SR12	8/17/2017 14:21	30.92	74.8	5.67	6.9	SR12	8/17/2017 20:21	30.42	86.3	6.54	6.8
SR12	8/17/2017 2:26	29.93	84.1	6.37	7.7	SR12	8/17/2017 8:26	29.48	85.1	6.45	6.4	SR12	8/17/2017 14:26	30.93	81.6	6.18	7.4	SR12	8/17/2017 20:26	30.42	82.2	6.23	7.4
SR12	8/17/2017 2:31	29.93	85.8	6.50	6.7	SR12	8/17/2017 8:31	29.50	84.3	6.39	6.2	SR12	8/17/2017 14:31	30.91	80.5	6.10	6.4	SR12	8/17/2017 20:31	30.38	83.2	6.30	6.3
SR12	8/17/2017 2:36	29.91	82.4	6.24	5.9	SR12	8/17/2017 8:36	29.48	81.0	6.14	7.6	SR12	8/17/2017 14:36	30.92	76.3	5.78	6.7	SR12	8/17/2017 20:36	30.38	79.1	5.99	7.8
SR12	8/17/2017 2:41	29.94	91.9	6.96	6.4	SR12	8/17/2017 8:41	29.49	82.0	6.21	6.0	SR12	8/17/2017 14:41	30.93	82.2	6.23	6.8	SR12	8/17/2017 20:41	30.30	84.9	6.43	7.8
SR12	8/17/2017 2:46	29.90	85.0	6.44	5.7	SR12	8/17/2017 8:46	29.53	87.3	6.61	6.4	SR12	8/17/2017 14:46	30.92	75.4	5.71	7.1	SR12	8/17/2017 20:46	30.31	84.1	6.37	7.7
SR12	8/17/2017 2:51	29.90	83.6	6.33	5.7	SR12	8/17/2017 8:51	29.52	85.8	6.50	7.7	SR12	8/17/2017 14:51	30.90	73.5	5.57	7.0	SR12	8/17/2017 20:51	30.32	82.1	6.22	7.3
SR12	8/17/2017 2:56	29.93	89.5	6.78	7.4	SR12	8/17/2017 8:56	29.51	82.8	6.27	6.4	SR12	8/17/2017 14:56	30.92	78.3	5.93	7.6	SR12	8/17/2017 20:56	30.28	79.9	6.05	7.2
SR12	8/17/2017 3:01	29.93	92.4	7.00	6.4	SR12	8/17/2017 9:01	29.56	87.4	6.62	7.1	SR12	8/17/2017 15:01	31.04	84.1	6.37	7.3	SR12	8/17/2017 21:01	30.31	84.7	6.42	6.8
SR12	8/17/2017 3:06	29.93	84.2	6.38	6.2	SR12	8/17/2017 9:06	29.52	83.8	6.35	7.2	SR12	8/17/2017 15:06	30.86	83.2	6.30	7.9	SR12	8/17/2017 21:06	30.23	85.8	6.50	7.1
SR12	8/17/2017 3:11	29.91	85.0	6.44	7.0	SR12	8/17/2017 9:11	29.53	88.7	6.72	5.7	SR12	8/17/2017 15:11	31.09	80.7	6.11	7.1	SR12	8/17/2017 21:11	30.22	78.9	5.98	6.7
SR12	8/17/2017 3:16	29.93	89.2	6.76	6.5	SR12	8/17/2017 9:16	29.52	86.9	6.58	7.6	SR12	8/17/2017 15:16	31.02	82.8	6.27	6.9	SR12	8/17/2017 21:16	29.98	82.5	6.25	7.6
SR12	8/17/2017 3:21	29.90	86.1	6.52	6.3	SR12	8/17/2017 9:21	29.55	87.0	6.59	7.4	SR12	8/17/2017 15:21	30.92	79.9	6.05	8.1	SR12	8/17/2017 21:21	29.92	81.2	6.15	7.9
SR12	8/17/2017 3:26	29.57	78.1	5.92	6.9	SR12	8/17/2017 9:26	29.54	82.2	6.23	6.0	SR12	8/17/2017 15:26	30.93	82.0	6.21	6.1	SR12	8/17/2017 21:26	29.79	94.4	7.15	7.9
SR12	8/17/2017 3:31	29.56	79.1	5.99	7.0	SR12	8/17/2017 9:31	29.55	86.9	6.58	6.3	SR12	8/17/2017 15:31	30.87	75.9	5.75	6.3	SR12	8/17/2017 21:31	29.54	92.3	6.99	7.5
SR12	8/17/2017 3:36	29.51	86.6	6.56	6.7	SR12	8/17/2017 9:36	29.57	87.8	6.65	7.7	SR12	8/17/2017 15:36	30.90	81.8	6.20	7.1	SR12	8/17/2017 21:36	29.77	82.4	6.24	8.5
SR12	8/17/2017 3:41	29.49	89.9	6.81	7.6	SR12	8/17/2017 9:41	29.60	84.6	6.41	6.4	SR12	8/17/2017 15:41	30.98	85.4	6.47	7.6	SR12	8/17/2017 21:41	29.92	82.0	6.21	7.9
SR12	8/17/2017 3:46	29.48	89.4	6.77	7.0	SR12	8/17/2017 9:46	29.57	79.6	6.03	5.7	SR12	8/17/2017 15:46	30.93	85.0	6.44	7.0	SR12	8/17/2017 21:46	29.95	84.2	6.38	7.2
SR12	8/17/2017 3:51	29.45	81.3	6.16	7.5	SR12	8/17/2017 9:51	29.59	84.3	6.39	6.8	SR12	8/17/2017 15:51	31.06	87.8	6.65	7.5						

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)
SR13	8/17/2017 0:00	29.81	90.7	6.87	7.5	SR13	8/17/2017 6:00	29.23	79.7	6.04	6.5	SR13	8/17/2017 12:00	30.66	87.6	6.64	8.0	SR13	8/17/2017 18:00	30.61	95.2	7.21	6.7
SR13	8/17/2017 0:05	29.86	89.1	6.75	6.6	SR13	8/17/2017 6:05	29.20	80.4	6.09	7.0	SR13	8/17/2017 12:05	30.50	86.9	6.58	7.8	SR13	8/17/2017 18:05	30.59	87.8	6.65	7.0
SR13	8/17/2017 0:10	29.84	82.2	6.23	7.3	SR13	8/17/2017 6:10	29.21	81.2	6.15	6.1	SR13	8/17/2017 12:10	30.39	79.5	6.02	6.6	SR13	8/17/2017 18:10	30.60	91.5	6.93	7.4
SR13	8/17/2017 0:15	29.87	90.3	6.84	7.0	SR13	8/17/2017 6:15	29.21	79.1	5.99	6.3	SR13	8/17/2017 12:15	30.34	79.1	5.99	7.2	SR13	8/17/2017 18:15	30.59	93.1	7.05	7.6
SR13	8/17/2017 0:20	29.88	86.1	6.52	7.2	SR13	8/17/2017 6:20	29.20	84.3	6.39	6.4	SR13	8/17/2017 12:20	30.40	84.3	6.39	7.7	SR13	8/17/2017 18:20	30.58	89.6	6.79	7.2
SR13	8/17/2017 0:25	29.86	91.1	6.90	6.4	SR13	8/17/2017 6:25	29.21	84.0	6.36	7.2	SR13	8/17/2017 12:25	30.62	84.1	6.37	6.4	SR13	8/17/2017 18:25	30.56	92.4	7.00	6.2
SR13	8/17/2017 0:30	29.82	82.6	6.26	8.0	SR13	8/17/2017 6:30	29.21	83.8	6.35	7.1	SR13	8/17/2017 12:30	30.65	85.7	6.49	6.4	SR13	8/17/2017 18:30	30.55	93.6	7.09	6.6
SR13	8/17/2017 0:35	29.80	82.1	6.22	6.2	SR13	8/17/2017 6:35	29.20	82.2	6.23	7.3	SR13	8/17/2017 12:35	30.65	82.5	6.25	7.4	SR13	8/17/2017 18:35	30.53	88.4	6.70	6.3
SR13	8/17/2017 0:40	29.80	84.1	6.37	6.6	SR13	8/17/2017 6:40	29.21	81.0	6.14	5.7	SR13	8/17/2017 12:40	30.64	82.8	6.27	6.7	SR13	8/17/2017 18:40	30.52	89.9	6.81	6.2
SR13	8/17/2017 0:45	29.81	82.5	6.25	6.1	SR13	8/17/2017 6:45	29.18	78.3	5.93	6.3	SR13	8/17/2017 12:45	30.63	87.3	6.61	6.2	SR13	8/17/2017 18:45	30.55	88.6	6.71	6.7
SR13	8/17/2017 0:50	29.81	89.1	6.75	5.4	SR13	8/17/2017 6:50	29.19	81.2	6.15	6.6	SR13	8/17/2017 12:50	30.57	79.9	6.05	7.9	SR13	8/17/2017 18:50	30.58	94.2	7.14	7.3
SR13	8/17/2017 0:55	29.79	84.0	6.36	6.5	SR13	8/17/2017 6:55	29.25	86.3	6.54	6.6	SR13	8/17/2017 12:55	30.57	80.0	6.06	7.4	SR13	8/17/2017 18:55	30.60	92.1	6.98	7.4
SR13	8/17/2017 1:00	29.82	88.6	6.71	6.9	SR13	8/17/2017 7:00	29.17	80.7	6.11	6.2	SR13	8/17/2017 13:00	30.74	89.0	6.74	6.6	SR13	8/17/2017 19:00	30.58	89.6	6.79	6.7
SR13	8/17/2017 1:05	29.84	85.8	6.50	6.8	SR13	8/17/2017 7:05	29.26	77.6	5.88	6.6	SR13	8/17/2017 13:05	30.63	85.1	6.45	8.1	SR13	8/17/2017 19:05	30.59	87.8	6.65	7.2
SR13	8/17/2017 1:10	29.87	81.6	6.18	7.0	SR13	8/17/2017 7:10	29.38	78.5	5.95	4.4	SR13	8/17/2017 13:10	30.76	91.2	6.91	5.9	SR13	8/17/2017 19:10	30.51	85.7	6.49	7.8
SR13	8/17/2017 1:15	29.80	89.8	6.80	6.4	SR13	8/17/2017 7:15	29.40	79.9	6.05	6.2	SR13	8/17/2017 13:15	30.67	89.8	6.80	7.4	SR13	8/17/2017 19:15	30.51	85.1	6.45	7.3
SR13	8/17/2017 1:20	29.78	78.9	5.98	6.9	SR13	8/17/2017 7:20	29.42	84.5	6.40	7.7	SR13	8/17/2017 13:20	30.61	80.4	6.09	7.5	SR13	8/17/2017 19:20	30.50	88.8	6.73	7.2
SR13	8/17/2017 1:25	29.78	80.1	6.07	7.4	SR13	8/17/2017 7:25	29.43	78.4	5.94	6.9	SR13	8/17/2017 13:25	30.70	86.9	6.58	7.1	SR13	8/17/2017 19:25	30.50	95.2	7.21	7.0
SR13	8/17/2017 1:30	29.74	85.8	6.50	7.1	SR13	8/17/2017 7:30	29.42	75.8	5.74	7.0	SR13	8/17/2017 13:30	30.73	87.8	6.65	6.2	SR13	8/17/2017 19:30	30.51	89.6	6.79	8.1
SR13	8/17/2017 1:35	29.73	85.7	6.49	7.4	SR13	8/17/2017 7:35	29.38	78.5	5.95	6.8	SR13	8/17/2017 13:35	30.79	89.5	6.78	6.6	SR13	8/17/2017 19:35	30.48	84.7	6.42	7.6
SR13	8/17/2017 1:40	29.73	75.9	5.75	6.5	SR13	8/17/2017 7:40	29.40	85.7	6.49	5.9	SR13	8/17/2017 13:40	30.79	85.3	6.46	6.7	SR13	8/17/2017 19:40	30.47	89.2	6.76	6.3
SR13	8/17/2017 1:45	29.71	82.2	6.23	7.4	SR13	8/17/2017 7:45	29.42	86.1	6.52	5.7	SR13	8/17/2017 13:45	30.77	89.1	6.75	7.1	SR13	8/17/2017 19:45	30.47	93.6	7.09	7.4
SR13	8/17/2017 1:50	29.70	78.0	5.91	6.8	SR13	8/17/2017 7:50	29.42	82.5	6.25	7.7	SR13	8/17/2017 13:50	30.85	88.3	6.69	6.9	SR13	8/17/2017 19:50	30.46	89.0	6.74	6.5
SR13	8/17/2017 1:55	29.70	77.7	5.89	6.5	SR13	8/17/2017 7:55	29.43	77.4	5.86	6.4	SR13	8/17/2017 13:55	31.15	84.0	6.36	7.1	SR13	8/17/2017 19:55	30.42	83.8	6.35	7.1
SR13	8/17/2017 2:00	29.69	79.5	6.02	5.6	SR13	8/17/2017 8:00	29.42	82.6	6.26	6.1	SR13	8/17/2017 14:00	31.12	93.5	7.08	6.8	SR13	8/17/2017 20:00	30.37	87.4	6.62	6.9
SR13	8/17/2017 2:05	29.71	84.3	6.39	5.8	SR13	8/17/2017 8:05	29.42	82.0	6.21	6.3	SR13	8/17/2017 14:05	31.12	84.6	6.41	7.5	SR13	8/17/2017 20:05	30.32	86.1	6.52	7.8
SR13	8/17/2017 2:10	29.72	77.4	5.86	5.8	SR13	8/17/2017 8:10	29.42	83.6	6.33	7.9	SR13	8/17/2017 14:10	31.12	83.6	6.33	6.2	SR13	8/17/2017 20:10	30.31	86.3	6.54	6.8
SR13	8/17/2017 2:15	29.72	82.6	6.26	6.8	SR13	8/17/2017 8:15	29.42	80.3	6.08	6.7	SR13	8/17/2017 14:15	31.10	92.7	7.02	6.4	SR13	8/17/2017 20:15	30.29	86.5	6.55	7.2
SR13	8/17/2017 2:20	29.72	77.9	5.90	7.0	SR13	8/17/2017 8:20	29.39	80.4	6.09	6.0	SR13	8/17/2017 14:20	31.07	87.0	6.59	7.0	SR13	8/17/2017 20:20	30.25	90.3	6.84	7.3
SR13	8/17/2017 2:25	29.72	80.4	6.09	6.7	SR13	8/17/2017 8:25	29.40	76.7	5.81	6.1	SR13	8/17/2017 14:25	31.05	88.2	6.68	7.1	SR13	8/17/2017 20:25	30.22	84.6	6.41	7.2
SR13	8/17/2017 2:30	29.71	83.6	6.33	7.2	SR13	8/17/2017 8:30	29.42	82.0	6.21	6.2	SR13	8/17/2017 14:30	31.05	88.7	6.72	6.9	SR13	8/17/2017 20:30	30.15	81.7	6.19	7.9
SR13	8/17/2017 2:35	29.71	74.3	5.63	7.1	SR13	8/17/2017 8:35	29.47	89.0	6.76	7.5	SR13	8/17/2017 14:35	31.02	85.8	6.50	6.9	SR13	8/17/2017 20:35	30.07	78.0	5.91	7.7
SR13	8/17/2017 2:40	29.67	82.4	6.24	7.1	SR13	8/17/2017 8:40	29.48	78.8	5.97	7.4	SR13	8/17/2017 14:40	31.04	83.6	6.33	7.4	SR13	8/17/2017 20:40	30.02	78.0	5.91	7.1
SR13	8/17/2017 2:45	29.60	81.2	6.15	7.3	SR13	8/17/2017 8:45	29.50	85.1	6.45	6.7	SR13	8/17/2017 14:45	31.03	89.8	6.80	7.9	SR13	8/17/2017 20:45	30.05	87.5	6.63	8.0
SR13	8/17/2017 2:50	29.49	84.2	6.38	6.5	SR13	8/17/2017 8:50	29.52	87.6	6.64	6.6	SR13	8/17/2017 14:50	31.00	92.0	6.97	5.9	SR13	8/17/2017 20:50	30.06	87.9	6.66	6.5
SR13	8/17/2017 2:55	29.44	88.6	6.71	7.0	SR13	8/17/2017 8:55	29.54	83.8	6.35	7.1	SR13	8/17/2017 14:55	31.05	94.1	7.13	6.4	SR13	8/17/2017 20:55	30.02	81.3	6.16	6.5
SR13	8/17/2017 3:00	29.47	80.3	6.08	6.2	SR13	8/17/2017 9:00	29.52	88.8	6.73	6.1	SR13	8/17/2017 15:00	31.07	89.8	6.80	6.3	SR13	8/17/2017 21:00	30.04	84.5	6.40	8.0
SR13	8/17/2017 3:05	29.46	80.1	6.07	6.2	SR13	8/17/2017 9:05	29.47	82.0	6.21	7.2	SR13	8/17/2017 15:05	31.07	93.6	7.09	5.9	SR13	8/17/2017 21:05	30.07	79.7	6.04	7.0
SR13	8/17/2017 3:10	29.42	87.3	6.61	5.4	SR13	8/17/2017 9:10	29.44	78.9	5.98	6.9	SR13	8/17/2017 15:10	31.08	87.1	6.60	7.5	SR13	8/17/2017 21:10	30.06	86.3	6.54	6.9
SR13	8/17/2017 3:15	29.42	85.4	6.47	6.3	SR13	8/17/2017 9:15	29.46	86.1	6.52	6.3	SR13	8/17/2017 15:15	31.13	92.3	6.99	7.7	SR13	8/17/2017 21:15	30.03	83.2	6.30	6.2
SR13	8/17/2017 3:20	29.44	87.6	6.64	6.3	SR13	8/17/2017 9:20	29.45	87.4	6.62	6.3	SR13	8/17/2017 15:20	31.18	89.8	6.80	6.7	SR13	8/17/2017 21:20	30.08	84.2	6.38	6.6
SR13	8/17/2017 3:25	29.47	84.6	6.41	5.5	SR13	8/17/2017 9:25	29.55	88.6	6.71	7.1	SR13	8/17/2017 15:25	31.27	86.7	6.57	7.8	SR13	8/17/2017 21:25	30.06	84.3	6.39	6.8
SR13	8/17/2017 3:30	29.47	83.2	6.30	7.3	SR13	8/17/2017 9:30	29.63	79.6	6.03	5.5	SR13	8/17/2017 15:30	31.28	88.0	6.67	7.8	SR13	8/17/2017 21:30	30.03	90.3	6.84	6.9
SR13	8/17/2017 3:35	29.45	84.6	6.41	6.3	SR13	8/17/2017 9:35	29.73	79.6	6.03	7.2	SR13	8/17/2017 15:35	31.48	87.9	6.66	7.0	SR13	8/17/2017 21:35	29.99	79.5	6.02	7.5
SR13	8/17/2017 3:40	29.47	89.5	6.78	7.2	SR13	8/17/2017 9:40	29.76	81.8	6.20	8.0	SR13	8/17/2017 15:40	31.50	91.5	6.93	7.8	SR13	8/17/2017 21:40	29.97	85.8	6.50	8.0
SR13	8/17/2017 3:45	29.45	85.0	6.44	7.0	SR13	8/17/2017 9:45	29.78	88.8	6.73	6.8	SR13	8/17/2017 15:45	31.49	89.9	6.81	6.5	SR13	8/17/2017 21:45	29.95	84.7	6.42	7.1
SR13	8/17/2017 3:50	29.41	88.8	6.73	6.8	SR13	8/17/2017 9:50	29.77	85.1	6.45	7.0	SR13	8/17/2017 15:50	31.50									

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/17/2017 0:17	0.03				SR12	8/17/2017 0:17	0.04			
SR4	8/17/2017 0:37	0.03				SR12	8/17/2017 0:37	0.05			
SR4	8/17/2017 0:57	0.02				SR12	8/17/2017 0:57	0.06			
SR4	8/17/2017 1:17	0.02				SR12	8/17/2017 1:17	0.06			
SR4	8/17/2017 1:37	0.02				SR12	8/17/2017 1:37	0.03			
SR4	8/17/2017 1:57	0.03				SR12	8/17/2017 1:57	0.04			
SR4	8/17/2017 2:17	0.02				SR12	8/17/2017 2:17	0.06			
SR4	8/17/2017 2:37	0.02				SR12	8/17/2017 2:37	0.03			
SR4	8/17/2017 2:57	0.03				SR12	8/17/2017 2:57	0.05			
SR4	8/17/2017 3:17	0.03				SR12	8/17/2017 3:17	0.05			
SR4	8/17/2017 3:37	0.02				SR12	8/17/2017 3:37	0.06			
SR4	8/17/2017 3:57	0.01				SR12	8/17/2017 3:57	0.03			
SR4	8/17/2017 4:17	0.02				SR12	8/17/2017 4:17	0.02			
SR4	8/17/2017 4:37	0.02				SR12	8/17/2017 4:37	0.03			
SR4	8/17/2017 4:57	0.03				SR12	8/17/2017 4:57	0.05			
SR4	8/17/2017 5:17	0.02				SR12	8/17/2017 5:17	0.04			
SR4	8/17/2017 5:37	0.02				SR12	8/17/2017 5:37	0.06			
SR4	8/17/2017 5:57	0.01				SR12	8/17/2017 5:57	0.05			
SR4						SR12					
SR4	8/17/2017 6:37	0.02				SR12	8/17/2017 6:37	0.06			
SR4	8/17/2017 6:57	0.03				SR12	8/17/2017 6:57	0.03			
SR4	8/17/2017 7:17	0.01				SR12	8/17/2017 7:17	0.03			
SR4	8/17/2017 7:37	0.01				SR12	8/17/2017 7:37	0.06			
SR4	8/17/2017 7:57	0.02				SR12	8/17/2017 7:57	0.02			
SR4	8/17/2017 8:17	0.01				SR12	8/17/2017 8:17	0.02			
SR4	8/17/2017 8:37	0.03				SR12	8/17/2017 8:37	0.04			
SR4	8/17/2017 8:57	0.02				SR12	8/17/2017 8:57	0.06			
SR4	8/17/2017 9:17	0.03				SR12	8/17/2017 9:17	0.04			
SR4	8/17/2017 9:37	0.03				SR12	8/17/2017 9:37	0.03			
SR4	8/17/2017 9:57	0.03				SR12	8/17/2017 9:57	0.04			
SR4	8/17/2017 10:17	0.03				SR12	8/17/2017 10:17	0.06			
SR4	8/17/2017 10:37	0.03				SR12	8/17/2017 10:37	0.06			
SR4	8/17/2017 10:57	0.03				SR12	8/17/2017 10:57	0.05			
SR4	8/17/2017 11:17	0.01				SR12	8/17/2017 11:17	0.03			
SR4	8/17/2017 11:37	0.02				SR12	8/17/2017 11:37	0.02			
SR4	8/17/2017 11:57	0.01				SR12	8/17/2017 11:57	0.06			
SR4	8/17/2017 12:17	0.01				SR12	8/17/2017 12:17	0.04			
SR4	8/17/2017 12:37	0.02				SR12	8/17/2017 12:37	0.03			
SR4	8/17/2017 12:57	0.01				SR12	8/17/2017 12:57	0.06			
SR4	8/17/2017 13:17	0.02				SR12	8/17/2017 13:17	0.04			
SR4	8/17/2017 13:37	0.01				SR12	8/17/2017 13:37	0.05			
SR4	8/17/2017 13:57	0.01				SR12	8/17/2017 13:57	0.03			
SR4	8/17/2017 14:17	0.01				SR12	8/17/2017 14:17	0.02			
SR4	8/17/2017 14:37	0.01				SR12	8/17/2017 14:37	0.05			
SR4	8/17/2017 14:57	0.01				SR12	8/17/2017 14:57	0.02			
SR4	8/17/2017 15:17	0.02				SR12	8/17/2017 15:17	0.02			
SR4	8/17/2017 15:37	0.02				SR12	8/17/2017 15:37	0.06			
SR4	8/17/2017 15:57	0.02				SR12	8/17/2017 15:57	0.06			
SR4	8/17/2017 16:17	0.02				SR12	8/17/2017 16:17	0.03			
SR4	8/17/2017 16:37	0.02				SR12	8/17/2017 16:37	0.06			
SR4	8/17/2017 16:57	0.02				SR12	8/17/2017 16:57	0.06			
SR4	8/17/2017 17:17	0.02				SR12	8/17/2017 17:17	0.05			
SR4	8/17/2017 17:37	0.02				SR12	8/17/2017 17:37	0.06			
SR4	8/17/2017 17:57	0.03				SR12	8/17/2017 17:57	0.03			
SR4	8/17/2017 18:17	0.01				SR12	8/17/2017 18:17	0.04			
SR4	8/17/2017 18:37	0.02				SR12	8/17/2017 18:37	0.06			
SR4	8/17/2017 18:57	0.02				SR12	8/17/2017 18:57	0.06			
SR4	8/17/2017 19:17	0.03				SR12	8/17/2017 19:17	0.02			
SR4	8/17/2017 19:37	0.03				SR12	8/17/2017 19:37	0.05			
SR4	8/17/2017 19:57	0.01				SR12	8/17/2017 19:57	0.05			
SR4	8/17/2017 20:17	0.03				SR12	8/17/2017 20:17	0.04			
SR4	8/17/2017 20:37	0.02				SR12	8/17/2017 20:37	0.05			
SR4	8/17/2017 20:57	0.01				SR12	8/17/2017 20:57	0.02			
SR4	8/17/2017 21:17	0.02				SR12	8/17/2017 21:17	0.04			
SR4	8/17/2017 21:37	0.02				SR12	8/17/2017 21:37	0.05			
SR4	8/17/2017 21:57	0.02				SR12	8/17/2017 21:57	0.02			
SR4	8/17/2017 22:17	0.01				SR12	8/17/2017 22:17	0.04			
SR4	8/17/2017 22:37	0.02				SR12	8/17/2017 22:37	0.06			
SR4	8/17/2017 22:57	0.02				SR12	8/17/2017 22:57	0.02			
SR4	8/17/2017 23:17	0.01				SR12	8/17/2017 23:17	0.04			
SR4	8/17/2017 23:37	0.01				SR12	8/17/2017 23:37	0.05			
SR4	8/17/2017 23:57	0.01				SR12	8/17/2017 23:57	0.04			

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 11:10-11:30.

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	8/18/2017 0:01	29.78	81.7	6.19	4.1	SR4	8/18/2017 6:01	29.43	79.2	6.00	7.0	SR4	8/18/2017 12:01	30.30	87.8	6.65	5.5	SR4	8/18/2017 18:01	30.36	95.4	7.23	8.0
SR4	8/18/2017 0:06	29.83	87.8	6.65	5.4	SR4	8/18/2017 6:06	29.45	86.5	6.55	5.4	SR4	8/18/2017 12:06	30.14	86.2	6.53	6.0	SR4	8/18/2017 18:06	30.32	97.4	7.38	8.6
SR4	8/18/2017 0:11	29.81	82.8	6.27	6.7	SR4	8/18/2017 6:11	29.48	82.5	6.25	5.2	SR4	8/18/2017 12:11	30.32	87.1	6.60	9.0	SR4	8/18/2017 18:11	30.20	90.6	6.86	8.6
SR4	8/18/2017 0:16	29.64	82.4	6.24	4.4	SR4	8/18/2017 6:16	29.46	80.1	6.07	6.8	SR4	8/18/2017 12:16	30.38	81.3	6.16	5.5	SR4	8/18/2017 18:16	30.43	95.0	7.20	8.9
SR4	8/18/2017 0:21	29.61	88.4	6.70	6.0	SR4	8/18/2017 6:21	29.33	78.3	5.93	4.6	SR4	8/18/2017 12:21	30.25	86.6	6.56	4.9	SR4	8/18/2017 18:21	30.55	85.8	6.50	8.7
SR4	8/18/2017 0:26	29.69	89.5	6.78	3.7	SR4	8/18/2017 6:26	29.24	79.5	6.02	4.2	SR4	8/18/2017 12:26	30.51	82.8	6.27	8.8	SR4	8/18/2017 18:26	30.44	84.9	6.43	9.8
SR4	8/18/2017 0:31	29.78	83.3	6.31	7.6	SR4	8/18/2017 6:31	29.22	80.5	6.10	7.0	SR4	8/18/2017 12:31	30.33	84.3	6.39	8.6	SR4	8/18/2017 18:31	30.39	83.7	6.34	8.4
SR4	8/18/2017 0:36	29.81	91.3	6.92	4.2	SR4	8/18/2017 6:36	29.30	77.1	5.84	8.4	SR4	8/18/2017 12:36	30.48	80.7	6.11	4.9	SR4	8/18/2017 18:36	30.39	91.6	6.94	8.7
SR4	8/18/2017 0:41	29.90	90.8	6.88	8.0	SR4	8/18/2017 6:41	29.26	84.9	6.43	6.8	SR4	8/18/2017 12:41	30.47	87.0	6.59	7.3	SR4	8/18/2017 18:41	30.28	82.9	6.28	9.8
SR4	8/18/2017 0:46	29.78	91.5	6.93	4.3	SR4	8/18/2017 6:46	29.29	82.1	6.22	4.4	SR4	8/18/2017 12:46	30.26	87.9	6.66	8.2	SR4	8/18/2017 18:46	30.28	83.7	6.34	8.5
SR4	8/18/2017 0:51	29.84	86.1	6.52	8.3	SR4	8/18/2017 6:51	29.29	84.9	6.43	4.1	SR4	8/18/2017 12:51	30.21	87.0	6.59	5.8	SR4	8/18/2017 18:51	30.41	92.4	7.00	8.1
SR4	8/18/2017 0:56	29.79	85.3	6.46	7.4	SR4	8/18/2017 6:56	29.29	83.3	6.31	4.5	SR4	8/18/2017 12:56	30.06	87.5	6.63	6.6	SR4	8/18/2017 18:56	30.47	87.1	6.60	8.7
SR4	8/18/2017 1:01	29.62	86.1	6.52	4.3	SR4	8/18/2017 7:01	29.30	87.9	6.66	7.5	SR4	8/18/2017 13:01	30.12	85.8	6.50	8.3	SR4	8/18/2017 19:01	30.52	92.1	6.98	8.9
SR4	8/18/2017 1:06	29.66	85.0	6.44	5.0	SR4	8/18/2017 7:06	29.34	81.0	6.14	7.0	SR4	8/18/2017 13:06	30.42	84.2	6.38	6.4	SR4	8/18/2017 19:06	30.51	91.3	6.92	9.1
SR4	8/18/2017 1:11	29.71	85.4	6.47	7.7	SR4	8/18/2017 7:11	29.44	84.1	6.37	5.8	SR4	8/18/2017 13:11	30.57	88.2	6.68	8.8	SR4	8/18/2017 19:11	30.48	94.0	7.12	8.1
SR4	8/18/2017 1:16	29.70	92.1	6.98	7.8	SR4	8/18/2017 7:16	29.45	85.7	6.49	6.7	SR4	8/18/2017 13:16	30.18	82.1	6.22	6.3	SR4	8/18/2017 19:16	30.47	93.2	7.06	8.6
SR4	8/18/2017 1:21	29.76	85.7	6.49	4.4	SR4	8/18/2017 7:21	29.45	88.7	6.72	7.6	SR4	8/18/2017 13:21	30.19	84.3	6.39	8.7	SR4	8/18/2017 19:21	30.47	93.3	7.07	8.9
SR4	8/18/2017 1:26	29.72	89.4	6.77	4.4	SR4	8/18/2017 7:26	29.46	81.8	6.20	7.4	SR4	8/18/2017 13:26	30.48	88.2	6.68	7.7	SR4	8/18/2017 19:26	30.44	90.0	6.82	7.8
SR4	8/18/2017 1:31	29.66	83.4	6.32	5.2	SR4	8/18/2017 7:31	29.47	88.3	6.69	6.5	SR4	8/18/2017 13:31	30.35	92.3	6.99	4.4	SR4	8/18/2017 19:31	30.45	87.1	6.60	7.9
SR4	8/18/2017 1:36	29.68	84.3	6.39	4.8	SR4	8/18/2017 7:36	29.47	84.3	6.39	6.0	SR4	8/18/2017 13:36	30.45	90.7	6.87	5.2	SR4	8/18/2017 19:36	30.48	91.2	6.91	9.1
SR4	8/18/2017 1:41	29.74	86.3	6.54	4.6	SR4	8/18/2017 7:41	29.48	86.7	6.57	8.9	SR4	8/18/2017 13:41	30.07	83.7	6.34	8.0	SR4	8/18/2017 19:41	30.48	85.5	6.48	8.8
SR4	8/18/2017 1:46	29.76	81.8	6.20	6.8	SR4	8/18/2017 7:46	29.47	86.9	6.58	9.1	SR4	8/18/2017 13:46	30.39	81.6	6.18	6.5	SR4	8/18/2017 19:46	30.45	86.7	6.57	9.8
SR4	8/18/2017 1:51	29.75	82.2	6.23	8.4	SR4	8/18/2017 7:51	29.48	87.3	6.61	7.5	SR4	8/18/2017 13:51	30.48	90.2	6.83	7.4	SR4	8/18/2017 19:51	30.46	93.7	7.10	8.8
SR4	8/18/2017 1:56	29.75	84.7	6.42	7.1	SR4	8/18/2017 7:56	29.47	81.6	6.18	4.5	SR4	8/18/2017 13:56	30.57	89.1	6.75	9.0	SR4	8/18/2017 19:56	30.43	93.9	7.11	7.9
SR4	8/18/2017 2:01	29.70	79.9	6.05	6.5	SR4	8/18/2017 8:01	29.45	85.9	6.51	4.6	SR4	8/18/2017 14:01	30.47	89.8	6.80	9.2	SR4	8/18/2017 20:01	30.42	90.2	6.83	9.8
SR4	8/18/2017 2:06	29.69	85.5	6.48	8.4	SR4	8/18/2017 8:06	29.30	81.4	6.17	5.8	SR4	8/18/2017 14:06	30.51	90.3	6.84	7.9	SR4	8/18/2017 20:06	30.40	91.2	6.91	9.6
SR4	8/18/2017 2:11	29.68	91.6	6.94	8.4	SR4	8/18/2017 8:11	29.33	83.0	6.29	7.7	SR4	8/18/2017 14:11	30.43	82.5	6.25	7.9	SR4	8/18/2017 20:11	30.31	87.4	6.62	8.3
SR4	8/18/2017 2:16	29.56	88.0	6.67	8.5	SR4	8/18/2017 8:16	29.45	78.7	5.96	5.5	SR4	8/18/2017 14:16	30.28	83.8	6.35	6.8	SR4	8/18/2017 20:16	30.29	86.2	6.53	8.1
SR4	8/18/2017 2:21	29.62	88.4	6.70	8.3	SR4	8/18/2017 8:21	29.49	84.9	6.43	5.5	SR4	8/18/2017 14:21	30.20	88.4	6.70	6.3	SR4	8/18/2017 20:21	30.29	91.9	6.96	7.9
SR4	8/18/2017 2:26	29.62	83.0	6.29	8.3	SR4	8/18/2017 8:26	29.52	91.3	6.92	4.4	SR4	8/18/2017 14:26	30.23	83.3	6.31	8.8	SR4	8/18/2017 20:26	30.29	83.8	6.35	6.4
SR4	8/18/2017 2:31	29.66	86.1	6.52	5.8	SR4	8/18/2017 8:31	29.63	91.2	6.91	6.6	SR4	8/18/2017 14:31	30.52	91.9	6.96	7.2	SR4	8/18/2017 20:31	30.25	89.0	6.74	8.1
SR4	8/18/2017 2:36	29.60	88.7	6.72	3.5	SR4	8/18/2017 8:36	29.66	90.4	6.85	4.9	SR4	8/18/2017 14:36	30.21	88.7	6.72	9.2	SR4	8/18/2017 20:36	30.23	90.3	6.84	6.5
SR4	8/18/2017 2:41	29.73	82.1	6.22	5.1	SR4	8/18/2017 8:41	29.73	87.4	6.62	8.2	SR4	8/18/2017 14:41	30.53	84.7	6.42	7.8	SR4	8/18/2017 20:41	30.26	84.3	6.39	8.0
SR4	8/18/2017 2:46	29.71	81.6	6.18	5.5	SR4	8/18/2017 8:46	29.84	85.4	6.47	4.7	SR4	8/18/2017 14:46	30.29	83.4	6.32	6.9	SR4	8/18/2017 20:46	30.25	83.2	6.30	8.8
SR4	8/18/2017 2:51	29.73	86.7	6.57	5.6	SR4	8/18/2017 8:51	29.81	86.2	6.53	7.4	SR4	8/18/2017 14:51	30.49	83.7	6.34	7.9	SR4	8/18/2017 20:51	30.23	87.3	6.61	5.7
SR4	8/18/2017 2:56	29.74	79.3	6.01	3.0	SR4	8/18/2017 8:56	29.88	85.7	6.49	5.5	SR4	8/18/2017 14:56	30.47	82.1	6.22	7.1	SR4	8/18/2017 20:56	30.23	85.4	6.47	7.3
SR4	8/18/2017 3:01	29.73	82.8	6.27	7.4	SR4	8/18/2017 9:01	29.86	91.3	6.92	8.1	SR4	8/18/2017 15:01	30.29	93.1	7.05	4.1	SR4	8/18/2017 21:01	30.22	84.5	6.40	9.1
SR4	8/18/2017 3:06	29.76	81.0	6.14	4.9	SR4	8/18/2017 9:06	29.87	82.2	6.23	9.1	SR4	8/18/2017 15:06	30.34	87.6	6.64	4.9	SR4	8/18/2017 21:06	30.22	85.0	6.44	5.9
SR4	8/18/2017 3:11	29.78	77.7	5.89	6.1	SR4	8/18/2017 9:11	29.88	84.2	6.38	7.7	SR4	8/18/2017 15:11	30.51	87.0	6.59	4.7	SR4	8/18/2017 21:11	30.22	85.9	6.51	6.3
SR4	8/18/2017 3:16	29.80	76.6	5.80	6.2	SR4	8/18/2017 9:16	29.92	86.3	6.54	6.0	SR4	8/18/2017 15:16	30.13	84.7	6.42	6.8	SR4	8/18/2017 21:16	30.21	92.4	7.00	6.2
SR4	8/18/2017 3:21	29.80	78.3	5.93	7.7	SR4	8/18/2017 9:21	29.95	91.5	6.93	6.3	SR4	8/18/2017 15:21	30.13	88.8	6.73	7.1	SR4	8/18/2017 21:21	30.19	81.7	6.19	5.9
SR4	8/18/2017 3:26	29.78	84.1	6.37	3.6	SR4	8/18/2017 9:26	29.89	80.3	6.08	4.7	SR4	8/18/2017 15:26	30.45	88.7	6.72	5.6	SR4	8/18/2017 21:26	30.19	86.3	6.54	9.0
SR4	8/18/2017 3:31	29.76	81.7	6.19	5.3	SR4	8/18/2017 9:31	29.94	83.7	6.34	6.0	SR4	8/18/2017 15:31	30.31	91.9	6.96	7.5	SR4	8/18/2017 21:31	30.18	90.7	6.87	5.9
SR4	8/18/2017 3:36	29.71	82.9	6.28	7.0	SR4	8/18/2017 9:36	29.39	84.7	6.42	8.6	SR4	8/18/2017 15:36	30.47	92.8	7.03	9.1	SR4	8/18/2017 21:36	30.20	90.4	6.85	6.8
SR4	8/18/2017 3:41	29.75	79.6	6.03	5.5	SR4	8/18/2017 9:41	29.66	87.4	6.62	8.2	SR4	8/18/2017 15:41	30.14	87.3	6.61	8.2	SR4	8/18/2017 21:41	30.18	89.0	6.74	8.2
SR4	8/18/2017 3:46	29.65	78.8	5.97	6.8	SR4	8/18/2017 9:46	29.90	89.2	6.76	5.7	SR4	8/18/2017 15:46	30.27	92.8	7.03	9.3	SR4	8/18/2017 21:46	30.14	85.8	6.50	8.8
SR4	8/18/2017 3:51	29.68	82.0	6.21	4.2	SR4	8/18/2017 9:51	29.88	88.4	6.70	8.3	SR4	8/18/2017 15:51	30.26	94.0	7.12	9.3	SR4	8/18/2017 21:51	30.15	91.5	6.93	8.5
SR4	8/18/2017 3:56	29.63	81.6	6.18	4.3	SR4	8/18/2017 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	8/18/2017 0:00	29.68	83.6	6.33	5.1	SR5	8/18/2017 6:00	29.47	82.0	6.21	3.9	SR5	8/18/2017 12:00	29.72	90.2	6.83	4.5	SR5	8/18/2017 18:00	30.19	101.1	7.66	8.9
SR5	8/18/2017 0:05	29.76	92.4	7.00	4.7	SR5	8/18/2017 6:05	29.47	82.2	6.23	2.7	SR5	8/18/2017 12:05	29.76	88.4	6.70	5.8	SR5	8/18/2017 18:05	30.17	93.1	7.05	8.1
SR5	8/18/2017 0:10	29.70	85.9	6.51	3.7	SR5	8/18/2017 6:10	29.43	89.5	6.78	4.9	SR5	8/18/2017 12:10	29.83	80.1	6.07	5.2	SR5	8/18/2017 18:10	30.07	93.2	7.06	7.2
SR5	8/18/2017 0:15	29.66	87.3	6.61	4.5	SR5	8/18/2017 6:15	29.43	83.3	6.31	2.2	SR5	8/18/2017 12:15	29.97	81.8	6.20	4.0	SR5	8/18/2017 18:15	30.15	90.0	6.82	5.2
SR5	8/18/2017 0:20	29.66	87.0	6.59	4.3	SR5	8/18/2017 6:20	29.16	81.7	6.19	4.7	SR5	8/18/2017 12:20	29.82	80.8	6.12	3.4	SR5	8/18/2017 18:20	30.24	89.4	6.77	5.6
SR5	8/18/2017 0:25	29.70	85.3	6.46	5.0	SR5	8/18/2017 6:25	29.27	84.7	6.42	6.2	SR5	8/18/2017 12:25	30.00	81.7	6.19	5.9	SR5	8/18/2017 18:25	30.06	93.1	7.05	5.0
SR5	8/18/2017 0:30	29.76	90.9	6.89	2.2	SR5	8/18/2017 6:30	29.35	80.9	6.13	2.9	SR5	8/18/2017 12:30	30.00	87.4	6.62	2.2	SR5	8/18/2017 18:30	30.04	97.3	7.37	4.4
SR5	8/18/2017 0:35	29.80	84.6	6.41	2.6	SR5	8/18/2017 6:35	29.33	87.1	6.60	5.0	SR5	8/18/2017 12:35	29.97	83.3	6.31	2.1	SR5	8/18/2017 18:35	30.01	95.3	7.22	6.4
SR5	8/18/2017 0:40	29.87	93.1	7.05	2.5	SR5	8/18/2017 6:40	29.32	82.4	6.24	3.9	SR5	8/18/2017 12:40	29.96	84.0	6.36	2.8	SR5	8/18/2017 18:40	30.13	90.0	6.82	8.6
SR5	8/18/2017 0:45	29.75	86.1	6.52	3.0	SR5	8/18/2017 6:45	29.29	85.7	6.49	3.0	SR5	8/18/2017 12:45	29.80	80.3	6.08	2.2	SR5	8/18/2017 18:45	29.99	88.4	6.70	9.0
SR5	8/18/2017 0:50	29.77	92.4	7.00	6.1	SR5	8/18/2017 6:50	29.28	84.2	6.38	2.9	SR5	8/18/2017 12:50	29.80	78.7	5.96	5.5	SR5	8/18/2017 18:50	30.21	98.2	7.44	7.6
SR5	8/18/2017 0:55	29.75	88.8	6.73	5.2	SR5	8/18/2017 6:55	29.29	85.1	6.45	2.1	SR5	8/18/2017 12:55	29.87	82.2	6.23	3.5	SR5	8/18/2017 18:55	30.15	98.2	7.44	8.3
SR5	8/18/2017 1:00	29.71	92.5	7.01	3.8	SR5	8/18/2017 7:00	29.27	88.3	6.69	2.2	SR5	8/18/2017 13:00	29.72	82.9	6.28	5.3	SR5	8/18/2017 19:00	30.12	88.6	6.71	4.4
SR5	8/18/2017 1:05	29.73	89.9	6.81	5.7	SR5	8/18/2017 7:05	29.25	89.2	6.76	5.4	SR5	8/18/2017 13:05	29.90	89.5	6.78	2.6	SR5	8/18/2017 19:05	30.00	92.3	6.99	8.1
SR5	8/18/2017 1:10	29.73	86.7	6.57	4.9	SR5	8/18/2017 7:10	29.24	85.0	6.44	2.5	SR5	8/18/2017 13:10	29.98	81.7	6.19	5.3	SR5	8/18/2017 19:10	29.92	99.5	7.54	8.6
SR5	8/18/2017 1:15	29.78	92.0	6.97	4.5	SR5	8/18/2017 7:15	29.24	82.8	6.27	3.6	SR5	8/18/2017 13:15	29.83	86.3	6.54	5.1	SR5	8/18/2017 19:15	30.03	97.9	7.42	8.6
SR5	8/18/2017 1:20	29.77	85.4	6.47	3.3	SR5	8/18/2017 7:20	29.24	82.4	6.24	5.6	SR5	8/18/2017 13:20	30.14	90.0	6.82	5.6	SR5	8/18/2017 19:20	29.90	99.4	7.53	9.1
SR5	8/18/2017 1:25	29.77	86.1	6.52	5.5	SR5	8/18/2017 7:25	29.26	84.0	6.36	4.2	SR5	8/18/2017 13:25	30.08	84.0	6.36	5.5	SR5	8/18/2017 19:25	29.93	96.0	7.27	8.0
SR5	8/18/2017 1:30	29.75	87.6	6.64	4.5	SR5	8/18/2017 7:30	29.27	86.5	6.55	5.9	SR5	8/18/2017 13:30	30.23	92.5	7.01	3.0	SR5	8/18/2017 19:30	29.96	94.1	7.13	7.5
SR5	8/18/2017 1:35	29.76	88.3	6.69	6.2	SR5	8/18/2017 7:35	29.29	88.6	6.71	4.4	SR5	8/18/2017 13:35	30.17	89.1	6.75	5.4	SR5	8/18/2017 19:35	30.07	96.2	7.29	5.7
SR5	8/18/2017 1:40	29.75	91.7	6.95	5.0	SR5	8/18/2017 7:40	29.20	82.6	6.26	4.8	SR5	8/18/2017 13:40	30.20	87.6	6.64	3.0	SR5	8/18/2017 19:40	30.14	98.6	7.47	4.6
SR5	8/18/2017 1:45	29.70	89.4	6.77	4.0	SR5	8/18/2017 7:45	29.14	81.3	6.16	2.3	SR5	8/18/2017 13:45	30.17	85.3	6.46	5.0	SR5	8/18/2017 19:45	30.19	96.1	7.28	6.9
SR5	8/18/2017 1:50	29.66	81.6	6.18	6.2	SR5	8/18/2017 7:50	29.25	82.8	6.27	3.9	SR5	8/18/2017 13:50	30.06	86.3	6.54	2.4	SR5	8/18/2017 19:50	30.03	100.6	7.62	5.5
SR5	8/18/2017 1:55	29.64	88.2	6.68	5.2	SR5	8/18/2017 7:55	29.35	89.6	6.79	4.0	SR5	8/18/2017 13:55	30.09	86.2	6.53	5.8	SR5	8/18/2017 19:55	30.05	91.5	6.93	9.2
SR5	8/18/2017 2:00	29.67	82.8	6.27	3.3	SR5	8/18/2017 8:00	29.36	84.0	6.36	5.6	SR5	8/18/2017 14:00	30.10	91.2	6.91	4.4	SR5	8/18/2017 20:00	30.06	98.9	7.49	6.4
SR5	8/18/2017 2:05	29.69	88.8	6.73	3.1	SR5	8/18/2017 8:05	29.35	89.2	6.76	2.8	SR5	8/18/2017 14:05	29.93	86.5	6.55	4.6	SR5	8/18/2017 20:05	30.16	90.9	6.89	6.2
SR5	8/18/2017 2:10	29.73	87.3	6.61	5.7	SR5	8/18/2017 8:10	29.41	90.6	6.86	3.4	SR5	8/18/2017 14:10	29.91	84.1	6.37	6.2	SR5	8/18/2017 20:10	30.19	99.3	7.52	5.8
SR5	8/18/2017 2:15	29.71	90.0	6.82	4.7	SR5	8/18/2017 8:15	29.46	82.6	6.26	3.9	SR5	8/18/2017 14:15	30.04	91.6	6.94	5.0	SR5	8/18/2017 20:15	30.25	99.0	7.50	8.3
SR5	8/18/2017 2:20	29.71	88.0	6.67	4.3	SR5	8/18/2017 8:20	29.51	90.6	6.86	4.0	SR5	8/18/2017 14:20	29.97	89.2	6.76	4.9	SR5	8/18/2017 20:20	30.25	98.9	7.49	9.1
SR5	8/18/2017 2:25	29.70	85.5	6.48	5.7	SR5	8/18/2017 8:25	29.50	88.8	6.73	5.1	SR5	8/18/2017 14:25	30.12	89.4	6.77	5.9	SR5	8/18/2017 20:25	30.25	94.1	7.13	6.9
SR5	8/18/2017 2:30	29.70	91.1	6.90	4.6	SR5	8/18/2017 8:30	29.51	89.0	6.74	2.5	SR5	8/18/2017 14:30	30.21	92.0	6.97	2.1	SR5	8/18/2017 20:30	30.02	93.5	7.08	5.1
SR5	8/18/2017 2:35	29.71	80.9	6.13	4.7	SR5	8/18/2017 8:35	29.51	94.2	7.14	6.0	SR5	8/18/2017 14:35	30.22	83.7	6.34	5.2	SR5	8/18/2017 20:35	30.23	100.1	7.58	5.2
SR5	8/18/2017 2:40	29.72	83.4	6.32	2.6	SR5	8/18/2017 8:40	29.50	91.2	6.91	4.2	SR5	8/18/2017 14:40	29.90	81.8	6.20	9.0	SR5	8/18/2017 20:40	29.92	94.6	7.17	7.5
SR5	8/18/2017 2:45	29.75	86.7	6.57	3.0	SR5	8/18/2017 8:45	29.50	86.7	6.57	5.8	SR5	8/18/2017 14:45	30.04	84.5	6.40	8.1	SR5	8/18/2017 20:45	29.97	99.3	7.52	8.8
SR5	8/18/2017 2:50	29.74	77.6	5.88	5.0	SR5	8/18/2017 8:50	29.56	86.6	6.56	3.8	SR5	8/18/2017 14:50	30.11	91.3	6.92	8.8	SR5	8/18/2017 20:50	29.99	96.2	7.29	7.1
SR5	8/18/2017 2:55	29.74	83.8	6.35	3.4	SR5	8/18/2017 8:55	29.52	83.7	6.34	5.3	SR5	8/18/2017 14:55	30.17	92.4	7.00	5.8	SR5	8/18/2017 20:55	30.24	90.8	6.88	4.5
SR5	8/18/2017 3:00	29.75	85.9	6.51	2.1	SR5	8/18/2017 9:00	29.61	86.2	6.53	5.1	SR5	8/18/2017 15:00	30.03	91.2	6.91	7.3	SR5	8/18/2017 21:00	29.95	92.8	7.03	4.7
SR5	8/18/2017 3:05	29.73	82.2	6.23	4.7	SR5	8/18/2017 9:05	29.69	87.4	6.62	3.8	SR5	8/18/2017 15:05	30.18	84.7	6.42	7.5	SR5	8/18/2017 21:05	30.22	94.6	7.17	6.5
SR5	8/18/2017 3:10	29.79	83.2	6.30	2.3	SR5	8/18/2017 9:10	29.73	85.7	6.49	4.7	SR5	8/18/2017 15:10	30.08	90.6	6.86	8.4	SR5	8/18/2017 21:10	29.89	102.0	7.73	5.4
SR5	8/18/2017 3:15	29.78	84.5	6.40	4.8	SR5	8/18/2017 9:15	29.71	90.4	6.85	2.8	SR5	8/18/2017 15:15	30.10	93.5	7.08	6.9	SR5	8/18/2017 21:15	30.18	95.7	7.25	8.5
SR5	8/18/2017 3:20	29.78	81.7	6.19	3.5	SR5	8/18/2017 9:20	29.74	86.9	6.58	5.9	SR5	8/18/2017 15:20	30.09	95.2	7.21	5.2	SR5	8/18/2017 21:20	30.00	97.4	7.38	9.1
SR5	8/18/2017 3:25	29.79	86.6	6.56	3.0	SR5	8/18/2017 9:25	29.73	94.6	7.17	3.5	SR5	8/18/2017 15:25	29.93	95.7	7.25	5.1	SR5	8/18/2017 21:25	30.02	96.8	7.33	8.0
SR5	8/18/2017 3:30	29.79	81.3	6.16	5.5	SR5	8/18/2017 9:30	29.69	93.2	7.06	3.7	SR5	8/18/2017 15:30	30.14	90.6	6.86	5.3	SR5	8/18/2017 21:30	30.16	97.2	7.36	9.1
SR5	8/18/2017 3:35	29.78	79.3	6.01	3.3	SR5	8/18/2017 9:35	29.72	88.3	6.69	3.0	SR5	8/18/2017 15:35	30.18	96.4	7.30	7.5	SR5	8/18/2017 21:35	30.22	93.6	7.09	7.7
SR5	8/18/2017 3:40	29.78	83.2	6.30	3.5	SR5	8/18/2017 9:40	29.73	94.1	7.13	5.8	SR5	8/18/2017 15:40	30.06	94.9	7.19	6.4	SR5	8/18/2017 21:40	29.97	97.5	7.39	9.3
SR5	8/18/2017 3:45	29.65	87.6	6.64	3.1	SR5	8/18/2017 9:45	29.76	94.0	7.12	4.2	SR5	8/18/2017 15:45	30.19	92.8	7.03	8.6	SR5	8/18/2017 21:45	30.20	99.4	7.53	7.8
SR5	8/18/2017 3:50	29.68	86.3	6.54	6.1	SR5	8/18/2017 9:50	29.74	90.2	6.83	3.9	SR5	8/18/2017 15:50	30.15	94.5	7.16	8.4	SR5	8/18/2017 21:50	30.25	91.1	6.90	7.1
SR5	8/18/2017 3:55	29.69	86.6	6.56	4.1	SR5	8/18/2017 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	8/18/2017 0:01	29.62	76.0	5.76	6.7	SR12	8/18/2017 6:01	29.34	75.6	5.73	8.2	SR12	8/18/2017 12:01	29.78	73.8	5.59	5.4	SR12	8/18/2017 18:01	30.68	86.1	6.52	6.2
SR12	8/18/2017 0:06	29.63	74.1	5.61	5.7	SR12	8/18/2017 6:06	29.35	73.7	5.58	5.4	SR12	8/18/2017 12:06	29.84	73.3	5.55	5.8	SR12	8/18/2017 18:06	30.65	80.9	6.13	6.9
SR12	8/18/2017 0:11	29.62	71.5	5.42	7.9	SR12	8/18/2017 6:11	29.38	70.0	5.30	7.3	SR12	8/18/2017 12:11	29.86	72.9	5.52	5.6	SR12	8/18/2017 18:11	30.62	87.8	6.65	7.2
SR12	8/18/2017 0:16	29.61	74.8	5.67	7.9	SR12	8/18/2017 6:16	29.38	73.8	5.59	6.7	SR12	8/18/2017 12:16	29.91	72.2	5.47	5.9	SR12	8/18/2017 18:16	30.56	85.4	6.47	6.8
SR12	8/18/2017 0:21	29.62	71.1	5.39	6.9	SR12	8/18/2017 6:21	28.99	69.8	5.29	7.4	SR12	8/18/2017 12:21	29.95	73.0	5.53	4.0	SR12	8/18/2017 18:21	30.47	81.8	6.20	7.2
SR12	8/18/2017 0:26	29.58	71.3	5.40	7.6	SR12	8/18/2017 6:26	28.98	68.9	5.22	6.0	SR12	8/18/2017 12:26	29.93	66.4	5.03	4.5	SR12	8/18/2017 18:26	30.47	81.7	6.19	7.9
SR12	8/18/2017 0:31	29.59	70.6	5.35	7.2	SR12	8/18/2017 6:31	29.11	67.2	5.09	6.5	SR12	8/18/2017 12:31	29.93	71.5	5.42	6.5	SR12	8/18/2017 18:31	30.32	74.4	5.64	7.6
SR12	8/18/2017 0:36	29.70	76.6	5.80	5.6	SR12	8/18/2017 6:36	29.22	73.5	5.57	7.9	SR12	8/18/2017 12:36	29.96	66.3	5.02	5.2	SR12	8/18/2017 18:36	30.27	79.3	6.01	5.6
SR12	8/18/2017 0:41	29.70	78.8	5.97	6.5	SR12	8/18/2017 6:41	29.24	69.2	5.24	7.1	SR12	8/18/2017 12:41	30.03	67.2	5.09	6.0	SR12	8/18/2017 18:41	30.36	80.7	6.11	7.7
SR12	8/18/2017 0:46	29.73	73.0	5.53	7.0	SR12	8/18/2017 6:46	29.26	67.5	5.11	5.5	SR12	8/18/2017 12:46	29.99	67.5	5.11	5.8	SR12	8/18/2017 18:46	30.55	86.3	6.54	6.9
SR12	8/18/2017 0:51	29.70	70.2	5.32	6.4	SR12	8/18/2017 6:51	29.16	75.4	5.71	6.8	SR12	8/18/2017 12:51	29.94	72.5	5.49	5.8	SR12	8/18/2017 18:51	30.33	75.2	5.70	6.3
SR12	8/18/2017 0:56	29.68	78.4	5.94	6.7	SR12	8/18/2017 6:56	29.14	71.5	5.42	5.4	SR12	8/18/2017 12:56	29.87	87.6	6.64	5.6	SR12	8/18/2017 18:56	30.56	77.6	5.88	6.7
SR12	8/18/2017 1:01	29.65	74.8	5.67	5.3	SR12	8/18/2017 7:01	29.14	75.0	5.68	5.8	SR12	8/18/2017 13:01	29.85	71.5	5.42	5.5	SR12	8/18/2017 19:01	30.56	86.2	6.53	6.6
SR12	8/18/2017 1:06	29.64	74.6	5.65	6.9	SR12	8/18/2017 7:06	29.12	76.8	5.82	6.8	SR12	8/18/2017 13:06	29.80	68.4	5.18	7.4	SR12	8/18/2017 19:06	30.57	77.7	5.89	6.9
SR12	8/18/2017 1:11	29.64	78.3	5.93	6.2	SR12	8/18/2017 7:11	29.14	71.4	5.41	8.6	SR12	8/18/2017 13:11	29.86	75.0	5.68	5.4	SR12	8/18/2017 19:11	30.58	83.2	6.30	5.8
SR12	8/18/2017 1:16	29.66	76.6	5.80	8.0	SR12	8/18/2017 7:16	29.16	74.7	5.66	7.7	SR12	8/18/2017 13:16	29.88	69.6	5.27	6.6	SR12	8/18/2017 19:16	30.61	80.1	6.07	7.8
SR12	8/18/2017 1:21	29.67	78.7	5.96	5.6	SR12	8/18/2017 7:21	29.19	70.8	5.36	3.0	SR12	8/18/2017 13:21	29.93	73.5	5.57	5.6	SR12	8/18/2017 19:21	30.61	86.5	6.55	6.0
SR12	8/18/2017 1:26	29.69	79.2	6.00	7.7	SR12	8/18/2017 7:26	29.20	72.2	5.47	2.2	SR12	8/18/2017 13:26	29.97	68.9	5.22	5.6	SR12	8/18/2017 19:26	30.45	87.8	6.65	6.0
SR12	8/18/2017 1:31	29.67	76.4	5.79	7.8	SR12	8/18/2017 7:31	29.21	75.9	5.75	5.2	SR12	8/18/2017 13:31	30.06	75.5	5.72	5.8	SR12	8/18/2017 19:31	30.39	80.9	6.13	5.8
SR12	8/18/2017 1:36	29.67	73.1	5.54	5.0	SR12	8/18/2017 7:36	29.15	70.1	5.31	7.9	SR12	8/18/2017 13:36	30.08	73.5	5.57	6.2	SR12	8/18/2017 19:36	30.40	80.3	6.08	7.2
SR12	8/18/2017 1:41	29.68	76.6	5.80	6.4	SR12	8/18/2017 7:41	29.02	67.3	5.10	6.7	SR12	8/18/2017 13:41	30.09	75.4	5.71	5.5	SR12	8/18/2017 19:41	30.43	77.9	5.90	5.8
SR12	8/18/2017 1:46	29.66	70.8	5.36	8.0	SR12	8/18/2017 7:46	29.14	69.3	5.25	6.0	SR12	8/18/2017 13:46	30.15	77.2	5.85	6.6	SR12	8/18/2017 19:46	30.43	85.5	6.48	6.7
SR12	8/18/2017 1:51	29.60	73.3	5.55	7.5	SR12	8/18/2017 7:51	29.24	70.0	5.30	6.5	SR12	8/18/2017 13:51	30.11	74.6	5.65	5.7	SR12	8/18/2017 19:51	30.39	83.6	6.33	7.6
SR12	8/18/2017 1:56	29.59	74.2	5.62	5.4	SR12	8/18/2017 7:56	29.29	72.2	5.47	7.5	SR12	8/18/2017 13:56	30.12	75.5	5.72	5.5	SR12	8/18/2017 19:56	30.39	83.0	6.29	6.0
SR12	8/18/2017 2:01	29.60	70.2	5.32	6.0	SR12	8/18/2017 8:01	29.26	68.5	5.19	7.3	SR12	8/18/2017 14:01	30.27	71.0	5.38	5.3	SR12	8/18/2017 20:01	30.40	86.2	6.53	6.6
SR12	8/18/2017 2:06	29.62	76.2	5.77	6.9	SR12	8/18/2017 8:06	29.23	73.9	5.60	6.9	SR12	8/18/2017 14:06	30.44	76.4	5.79	3.5	SR12	8/18/2017 20:06	30.31	85.9	6.51	6.0
SR12	8/18/2017 2:11	29.64	73.8	5.59	5.3	SR12	8/18/2017 8:11	29.25	72.3	5.48	6.0	SR12	8/18/2017 14:11	30.47	76.2	5.77	4.2	SR12	8/18/2017 20:11	29.91	84.9	6.43	6.1
SR12	8/18/2017 2:16	29.60	70.5	5.34	5.8	SR12	8/18/2017 8:16	29.28	75.6	5.73	8.6	SR12	8/18/2017 14:16	30.54	78.9	5.98	7.3	SR12	8/18/2017 20:16	30.07	81.6	6.18	5.9
SR12	8/18/2017 2:21	29.60	77.0	5.83	7.3	SR12	8/18/2017 8:21	29.36	74.1	5.61	8.7	SR12	8/18/2017 14:21	30.54	72.7	5.51	6.1	SR12	8/18/2017 20:21	30.15	79.7	6.04	6.1
SR12	8/18/2017 2:26	29.61	77.6	5.88	8.2	SR12	8/18/2017 8:26	29.43	81.3	6.16	7.4	SR12	8/18/2017 14:26	30.62	77.0	5.83	5.7	SR12	8/18/2017 20:26	30.17	84.6	6.41	5.6
SR12	8/18/2017 2:31	29.62	73.9	5.60	6.5	SR12	8/18/2017 8:31	29.44	77.0	5.83	5.5	SR12	8/18/2017 14:31	30.64	79.9	6.05	7.5	SR12	8/18/2017 20:31	30.30	82.0	6.21	6.7
SR12	8/18/2017 2:36	29.64	70.6	5.35	6.6	SR12	8/18/2017 8:36	29.43	75.4	5.71	6.2	SR12	8/18/2017 14:36	30.60	71.7	5.43	7.3	SR12	8/18/2017 20:36	30.28	81.8	6.20	6.2
SR12	8/18/2017 2:41	29.65	75.6	5.73	8.3	SR12	8/18/2017 8:41	29.38	74.7	5.66	6.8	SR12	8/18/2017 14:41	30.57	74.7	5.66	6.4	SR12	8/18/2017 20:41	30.27	82.2	6.23	6.9
SR12	8/18/2017 2:46	29.68	74.6	5.65	7.3	SR12	8/18/2017 8:46	29.39	77.7	5.89	8.3	SR12	8/18/2017 14:46	30.55	74.4	5.64	5.6	SR12	8/18/2017 20:46	30.22	80.3	6.08	7.2
SR12	8/18/2017 2:51	29.66	66.9	5.07	7.4	SR12	8/18/2017 8:51	29.38	73.4	5.56	7.0	SR12	8/18/2017 14:51	30.55	79.5	6.02	6.2	SR12	8/18/2017 20:51	30.18	84.0	6.36	6.3
SR12	8/18/2017 2:56	29.66	72.2	5.47	7.2	SR12	8/18/2017 8:56	29.47	73.0	5.53	6.4	SR12	8/18/2017 14:56	30.56	72.3	5.48	5.5	SR12	8/18/2017 20:56	30.21	79.2	6.00	7.0
SR12	8/18/2017 3:01	29.69	72.3	5.48	7.7	SR12	8/18/2017 9:01	29.54	79.5	6.02	5.9	SR12	8/18/2017 15:01	30.50	78.7	5.96	7.5	SR12	8/18/2017 21:01	30.20	87.6	6.64	5.6
SR12	8/18/2017 3:06	29.65	74.3	5.63	6.7	SR12	8/18/2017 9:06	29.55	72.7	5.51	7.0	SR12	8/18/2017 15:06	30.51	80.5	6.10	6.2	SR12	8/18/2017 21:06	30.23	84.2	6.38	6.7
SR12	8/18/2017 3:11	29.71	72.3	5.48	5.8	SR12	8/18/2017 9:11	29.59	79.5	6.02	5.8	SR12	8/18/2017 15:11	30.51	73.1	5.54	6.7	SR12	8/18/2017 21:11	30.22	82.8	6.27	4.4
SR12	8/18/2017 3:16	29.71	69.7	5.28	6.4	SR12	8/18/2017 9:16	29.59	74.1	5.61	7.3	SR12	8/18/2017 15:16	30.57	74.8	5.67	7.2	SR12	8/18/2017 21:16	30.23	88.3	6.69	6.1
SR12	8/18/2017 3:21	29.71	75.8	5.74	6.4	SR12	8/18/2017 9:21	29.62	77.5	5.87	6.5	SR12	8/18/2017 15:21	30.65	80.5	6.10	6.1	SR12	8/18/2017 21:21	30.22	85.0	6.44	6.4
SR12	8/18/2017 3:26	29.71	70.0	5.30	6.0	SR12	8/18/2017 9:26	29.59	77.0	5.83	7.6	SR12	8/18/2017 15:26	30.69	82.1	6.22	5.7	SR12	8/18/2017 21:26	30.21	79.3	6.01	5.7
SR12	8/18/2017 3:31	29.71	68.5	5.19	5.5	SR12	8/18/2017 9:31	29.58	74.1	5.61	6.8	SR12	8/18/2017 15:31	30.70	76.8	5.82	5.3	SR12	8/18/2017 21:31	30.20	84.2	6.38	5.3
SR12	8/18/2017 3:36	29.71	70.4	5.33	7.9	SR12	8/18/2017 9:36	29.20	74.8	5.67	7.0	SR12	8/18/2017 15:36	30.74	80.8	6.12	5.1	SR12	8/18/2017 21:36	30.21	82.1	6.22	6.5
SR12	8/18/2017 3:41	29.71	72.9	5.52	5.7	SR12	8/18/2017 9:41	29.49	74.8	5.67	8.2	SR12	8/18/2017 15:41	30.74	79.1	5.99	4.9	SR12	8/18/2017 21:41	30.22	79.6	6.03	5.1
SR12	8/18/2017 3:46	29.66	75.0	5.68	6.7	SR12	8/18/2017 9:46	29.57	76.8	5.82	8.2	SR12	8/18/2017 15:46	30.76	79.6	6.03	4.6	SR12	8/18/2017 21:46	30.20	79.1	5.99	5.3
SR12	8/18/2017 3:51	29.65	72.2	5.47	6.4	SR12	8/18/2017 9:51	29.64	74.6	5.65	6.0	SR12	8/18/2017 15:51	30.76									

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	8/18/2017 0:00	29.66	84.5	6.40	6.4	SR13	8/18/2017 6:00	29.35	83.7	6.34	6.4	SR13	8/18/2017 12:00	30.14	91.3	6.92	6.0	SR13	8/18/2017 18:00	30.71	93.5	7.08	7.0
SR13	8/18/2017 0:05	29.65	80.9	6.13	6.4	SR13	8/18/2017 6:05	29.34	83.6	6.33	6.6	SR13	8/18/2017 12:05	30.21	81.0	6.14	4.7	SR13	8/18/2017 18:05	30.70	94.0	7.12	7.3
SR13	8/18/2017 0:10	29.60	84.7	6.42	6.5	SR13	8/18/2017 6:10	29.36	80.0	6.06	5.3	SR13	8/18/2017 12:10	30.37	80.3	6.08	5.3	SR13	8/18/2017 18:10	30.69	92.9	7.04	7.6
SR13	8/18/2017 0:15	29.60	85.9	6.51	5.5	SR13	8/18/2017 6:15	29.30	77.7	5.89	7.7	SR13	8/18/2017 12:15	30.33	80.7	6.11	6.2	SR13	8/18/2017 18:15	30.68	96.0	7.27	7.9
SR13	8/18/2017 0:20	29.58	81.6	6.18	6.6	SR13	8/18/2017 6:20	29.24	77.6	5.88	8.2	SR13	8/18/2017 12:20	30.27	80.0	6.06	6.5	SR13	8/18/2017 18:20	30.68	90.2	6.83	6.9
SR13	8/18/2017 0:25	29.60	79.7	6.04	6.6	SR13	8/18/2017 6:25	29.20	84.7	6.42	5.4	SR13	8/18/2017 12:25	30.36	86.9	6.58	4.8	SR13	8/18/2017 18:25	30.67	99.8	7.56	8.3
SR13	8/18/2017 0:30	29.66	86.3	6.54	7.6	SR13	8/18/2017 6:30	29.19	78.9	5.98	5.8	SR13	8/18/2017 12:30	30.31	80.4	6.09	5.6	SR13	8/18/2017 18:30	30.66	94.1	7.13	7.3
SR13	8/18/2017 0:35	29.70	86.2	6.53	5.7	SR13	8/18/2017 6:35	29.20	84.0	6.36	7.4	SR13	8/18/2017 12:35	30.53	86.6	6.56	6.7	SR13	8/18/2017 18:35	30.63	97.9	7.42	6.6
SR13	8/18/2017 0:40	29.78	85.9	6.51	5.5	SR13	8/18/2017 6:40	29.21	81.8	6.20	5.7	SR13	8/18/2017 12:40	30.52	85.4	6.47	4.2	SR13	8/18/2017 18:40	30.59	87.1	6.60	8.2
SR13	8/18/2017 0:45	29.74	84.3	6.39	6.0	SR13	8/18/2017 6:45	29.17	83.2	6.30	4.8	SR13	8/18/2017 12:45	30.48	85.5	6.48	6.6	SR13	8/18/2017 18:45	30.55	87.6	6.64	8.3
SR13	8/18/2017 0:50	29.72	86.7	6.57	6.1	SR13	8/18/2017 6:50	29.16	81.2	6.15	6.2	SR13	8/18/2017 12:50	30.45	83.6	6.33	5.7	SR13	8/18/2017 18:50	30.56	94.0	7.12	8.5
SR13	8/18/2017 0:55	29.73	89.0	6.74	6.0	SR13	8/18/2017 6:55	29.16	77.5	5.87	5.2	SR13	8/18/2017 12:55	30.42	80.8	6.12	7.2	SR13	8/18/2017 18:55	30.45	87.6	6.64	6.8
SR13	8/18/2017 1:00	29.72	85.4	6.47	6.2	SR13	8/18/2017 7:00	29.16	84.5	6.40	5.9	SR13	8/18/2017 13:00	30.33	89.5	6.78	5.9	SR13	8/18/2017 19:00	30.55	91.1	6.90	8.1
SR13	8/18/2017 1:05	29.69	87.0	6.59	6.7	SR13	8/18/2017 7:05	29.16	77.6	5.88	5.1	SR13	8/18/2017 13:05	30.26	84.6	6.41	7.0	SR13	8/18/2017 19:05	30.53	93.5	7.08	8.6
SR13	8/18/2017 1:10	29.68	88.3	6.69	6.7	SR13	8/18/2017 7:10	29.15	85.4	6.47	5.3	SR13	8/18/2017 13:10	30.21	88.0	6.67	5.2	SR13	8/18/2017 19:10	30.51	94.1	7.13	7.2
SR13	8/18/2017 1:15	29.71	90.4	6.85	5.8	SR13	8/18/2017 7:15	29.17	84.2	6.38	6.0	SR13	8/18/2017 13:15	30.18	79.7	6.04	5.8	SR13	8/18/2017 19:15	30.50	86.5	6.55	8.4
SR13	8/18/2017 1:20	29.74	84.7	6.42	5.8	SR13	8/18/2017 7:20	29.26	82.8	6.27	6.3	SR13	8/18/2017 13:20	30.04	79.3	6.01	6.7	SR13	8/18/2017 19:20	30.48	93.9	7.11	7.2
SR13	8/18/2017 1:25	29.75	83.7	6.34	6.2	SR13	8/18/2017 7:25	29.36	79.7	6.04	6.5	SR13	8/18/2017 13:25	30.14	85.5	6.48	7.2	SR13	8/18/2017 19:25	30.46	86.9	6.58	7.0
SR13	8/18/2017 1:30	29.74	87.4	6.62	6.2	SR13	8/18/2017 7:30	29.38	80.9	6.13	8.7	SR13	8/18/2017 13:30	30.16	82.1	6.22	4.7	SR13	8/18/2017 19:30	30.19	84.1	6.37	6.6
SR13	8/18/2017 1:35	29.72	84.5	6.40	7.5	SR13	8/18/2017 7:35	29.36	82.0	6.21	7.5	SR13	8/18/2017 13:35	30.17	82.6	6.26	6.2	SR13	8/18/2017 19:35	30.26	90.9	6.89	8.1
SR13	8/18/2017 1:40	29.71	89.6	6.79	5.1	SR13	8/18/2017 7:40	29.13	79.9	6.05	3.5	SR13	8/18/2017 13:40	30.15	82.9	6.28	7.2	SR13	8/18/2017 19:40	30.27	88.7	6.72	7.0
SR13	8/18/2017 1:45	29.71	88.8	6.73	7.4	SR13	8/18/2017 7:45	28.87	76.0	5.76	4.3	SR13	8/18/2017 13:45	30.16	86.3	6.54	6.7	SR13	8/18/2017 19:45	30.29	87.5	6.63	6.4
SR13	8/18/2017 1:50	29.66	86.6	6.56	7.2	SR13	8/18/2017 7:50	28.98	77.7	5.89	4.6	SR13	8/18/2017 13:50	30.16	83.7	6.34	5.3	SR13	8/18/2017 19:50	30.28	84.9	6.43	7.1
SR13	8/18/2017 1:55	29.65	85.5	6.48	5.1	SR13	8/18/2017 7:55	29.07	75.0	5.68	6.9	SR13	8/18/2017 13:55	30.13	86.3	6.54	5.3	SR13	8/18/2017 19:55	30.13	88.2	6.68	7.1
SR13	8/18/2017 2:00	29.63	82.4	6.24	6.7	SR13	8/18/2017 8:00	29.18	78.1	5.92	5.7	SR13	8/18/2017 14:00	30.16	87.3	6.61	4.8	SR13	8/18/2017 20:00	30.11	89.2	6.76	7.6
SR13	8/18/2017 2:05	29.63	82.1	6.22	7.2	SR13	8/18/2017 8:05	29.29	83.4	6.32	5.9	SR13	8/18/2017 14:05	30.26	85.8	6.50	6.2	SR13	8/18/2017 20:05	30.03	90.4	6.85	7.5
SR13	8/18/2017 2:10	29.63	86.9	6.58	5.7	SR13	8/18/2017 8:10	29.33	83.4	6.32	6.2	SR13	8/18/2017 14:10	30.43	84.0	6.36	5.8	SR13	8/18/2017 20:10	29.71	94.8	7.18	7.4
SR13	8/18/2017 2:15	29.64	87.3	6.61	5.5	SR13	8/18/2017 8:15	29.40	82.2	6.23	6.7	SR13	8/18/2017 14:15	30.42	81.6	6.18	5.6	SR13	8/18/2017 20:15	29.76	94.5	7.16	6.9
SR13	8/18/2017 2:20	29.66	87.6	6.64	6.7	SR13	8/18/2017 8:20	29.39	80.1	6.07	5.6	SR13	8/18/2017 14:20	30.44	80.9	6.13	7.4	SR13	8/18/2017 20:20	29.81	91.7	6.95	6.9
SR13	8/18/2017 2:25	29.65	85.4	6.47	5.5	SR13	8/18/2017 8:25	29.39	82.2	6.23	6.2	SR13	8/18/2017 14:25	30.49	82.5	6.25	4.3	SR13	8/18/2017 20:25	29.86	86.5	6.55	7.4
SR13	8/18/2017 2:30	29.66	84.6	6.41	5.8	SR13	8/18/2017 8:30	29.38	80.7	6.11	4.9	SR13	8/18/2017 14:30	30.60	85.8	6.50	4.8	SR13	8/18/2017 20:30	29.93	93.9	7.11	7.2
SR13	8/18/2017 2:35	29.68	79.1	5.99	4.7	SR13	8/18/2017 8:35	29.38	79.1	5.99	6.7	SR13	8/18/2017 14:35	30.59	84.6	6.41	7.2	SR13	8/18/2017 20:35	29.95	88.2	6.68	7.0
SR13	8/18/2017 2:40	29.67	87.1	6.60	7.0	SR13	8/18/2017 8:40	29.37	87.1	6.60	8.2	SR13	8/18/2017 14:40	30.61	84.1	6.37	7.4	SR13	8/18/2017 20:40	30.09	87.8	6.65	6.6
SR13	8/18/2017 2:45	29.68	77.2	5.85	6.4	SR13	8/18/2017 8:45	29.38	81.8	6.20	7.3	SR13	8/18/2017 14:45	30.60	86.6	6.56	4.9	SR13	8/18/2017 20:45	30.06	86.9	6.58	6.4
SR13	8/18/2017 2:50	29.67	77.7	5.89	6.6	SR13	8/18/2017 8:50	29.40	88.3	6.69	6.0	SR13	8/18/2017 14:50	30.63	84.3	6.39	7.5	SR13	8/18/2017 20:50	30.10	89.1	6.75	7.8
SR13	8/18/2017 2:55	29.66	76.3	5.78	4.7	SR13	8/18/2017 8:55	29.42	85.4	6.47	5.5	SR13	8/18/2017 14:55	30.59	90.4	6.85	7.1	SR13	8/18/2017 20:55	30.11	87.9	6.66	7.1
SR13	8/18/2017 3:00	29.67	84.0	6.36	7.9	SR13	8/18/2017 9:00	29.49	82.9	6.28	5.5	SR13	8/18/2017 15:00	30.57	89.5	6.78	5.8	SR13	8/18/2017 21:00	30.13	85.7	6.49	7.1
SR13	8/18/2017 3:05	29.66	80.1	6.07	6.9	SR13	8/18/2017 9:05	29.56	89.5	6.78	6.5	SR13	8/18/2017 15:05	30.56	86.9	6.58	6.0	SR13	8/18/2017 21:05	30.13	88.6	6.71	7.1
SR13	8/18/2017 3:10	29.67	79.1	5.99	5.7	SR13	8/18/2017 9:10	29.58	88.2	6.68	7.4	SR13	8/18/2017 15:10	30.54	84.0	6.36	6.5	SR13	8/18/2017 21:10	30.12	90.7	6.87	7.0
SR13	8/18/2017 3:15	29.67	84.1	6.37	6.3	SR13	8/18/2017 9:15	29.56	88.2	6.68	6.2	SR13	8/18/2017 15:15	30.57	90.3	6.84	5.2	SR13	8/18/2017 21:15	30.14	89.4	6.77	8.0
SR13	8/18/2017 3:20	29.65	78.9	5.98	7.9	SR13	8/18/2017 9:20	29.57	83.3	6.31	6.0	SR13	8/18/2017 15:20	30.67	89.2	6.76	7.7	SR13	8/18/2017 21:20	30.14	87.6	6.64	6.9
SR13	8/18/2017 3:25	29.60	80.0	6.06	7.1	SR13	8/18/2017 9:25	29.47	87.6	6.64	6.0	SR13	8/18/2017 15:25	30.74	85.4	6.47	5.8	SR13	8/18/2017 21:25	30.10	91.1	6.90	7.2
SR13	8/18/2017 3:30	29.58	87.0	6.59	5.2	SR13	8/18/2017 9:30	29.53	83.7	6.34	6.7	SR13	8/18/2017 15:30	30.73	90.3	6.84	7.5	SR13	8/18/2017 21:30	30.08	89.4	6.77	6.6
SR13	8/18/2017 3:35	29.55	81.8	6.20	5.3	SR13	8/18/2017 9:35	29.24	73.4	5.56	7.6	SR13	8/18/2017 15:35	30.79	87.4	6.62	7.5	SR13	8/18/2017 21:35	30.07	86.9	6.58	7.3
SR13	8/18/2017 3:40	29.56	82.0	6.21	5.3	SR13	8/18/2017 9:40	29.31	83.7	6.34	6.4	SR13	8/18/2017 15:40	30.77	94.4	7.15	4.6	SR13	8/18/2017 21:40	30.08	89.0	6.74	6.7
SR13	8/18/2017 3:45	29.55	78.3	5.93	5.6	SR13	8/18/2017 9:45	29.49	76.8	5.82	7.1	SR13	8/18/2017 15:45	30.76	85.0	6.44	5.1	SR13	8/18/2017 21:45	30.08	88.2	6.68	6.9
SR13	8/18/2017 3:50	29.55	82.0	6.21	4.4	SR13	8/18/2017 9:50	29.59	84.5	6.40	7.1	SR13	8/18/2017 15:50	30.77	95.0	7.20	6.1						

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/18/2017 0:17	0.02				SR12	8/18/2017 0:17	0.05			
SR4	8/18/2017 0:37	0.03				SR12	8/18/2017 0:37	0.09			
SR4	8/18/2017 0:57	0.01				SR12	8/18/2017 0:57	0.09			
SR4	8/18/2017 1:17	0.03				SR12	8/18/2017 1:17	0.07			
SR4	8/18/2017 1:37	0.03				SR12	8/18/2017 1:37	0.05			
SR4	8/18/2017 1:57	0.03				SR12	8/18/2017 1:57	0.07			
SR4	8/18/2017 2:17	0.06				SR12	8/18/2017 2:17	0.04			
SR4	8/18/2017 2:37	0.07				SR12	8/18/2017 2:37	0.09			
SR4	8/18/2017 2:57	0.06				SR12	8/18/2017 2:57	0.09			
SR4	8/18/2017 3:17	0.04				SR12	8/18/2017 3:17	0.08			
SR4	8/18/2017 3:37	0.04				SR12	8/18/2017 3:37	0.05			
SR4	8/18/2017 3:57	0.05				SR12	8/18/2017 3:57	0.08			
SR4	8/18/2017 4:17	0.05				SR12	8/18/2017 4:17	0.07			
SR4	8/18/2017 4:37	0.06				SR12	8/18/2017 4:37	0.04			
SR4	8/18/2017 4:57	0.07				SR12	8/18/2017 4:57	0.08			
SR4	8/18/2017 5:17	0.03				SR12	8/18/2017 5:17	0.07			
SR4	8/18/2017 5:37	0.03				SR12	8/18/2017 5:37	0.05			
SR4	8/18/2017 5:57	0.04				SR12	8/18/2017 5:57	0.05			
SR4						SR12					
SR4	8/18/2017 6:37	0.04				SR12	8/18/2017 6:37	0.09			
SR4	8/18/2017 6:57	0.06				SR12	8/18/2017 6:57	0.08			
SR4	8/18/2017 7:17	0.04				SR12	8/18/2017 7:17	0.06			
SR4	8/18/2017 7:37	0.04				SR12	8/18/2017 7:37	0.05			
SR4	8/18/2017 7:57	0.07				SR12	8/18/2017 7:57	0.09			
SR4	8/18/2017 8:17	0.04				SR12	8/18/2017 8:17	0.08			
SR4	8/18/2017 8:37	0.03				SR12	8/18/2017 8:37	0.08			
SR4	8/18/2017 8:57	0.04				SR12	8/18/2017 8:57	0.09			
SR4	8/18/2017 9:17	0.03				SR12	8/18/2017 9:17	0.08			
SR4	8/18/2017 9:37	0.03				SR12	8/18/2017 9:37	0.04			
SR4	8/18/2017 9:57	0.04				SR12	8/18/2017 9:57	0.07			
SR4	8/18/2017 10:17	0.06				SR12	8/18/2017 10:17	0.08			
SR4	8/18/2017 10:37	0.05				SR12	8/18/2017 10:37	0.06			
SR4	8/18/2017 10:57	0.03				SR12	8/18/2017 10:57	0.05			
SR4	8/18/2017 11:17	0.07				SR12	8/18/2017 11:17	0.05			
SR4	8/18/2017 11:37	0.06				SR12	8/18/2017 11:37	0.04			
SR4	8/18/2017 11:57	0.03				SR12	8/18/2017 11:57	0.05			
SR4	8/18/2017 12:17	0.03				SR12	8/18/2017 12:17	0.09			
SR4	8/18/2017 12:37	0.04				SR12	8/18/2017 12:37	0.08			
SR4	8/18/2017 12:57	0.04				SR12	8/18/2017 12:57	0.06			
SR4	8/18/2017 13:17	0.03				SR12	8/18/2017 13:17	0.09			
SR4	8/18/2017 13:37	0.06				SR12	8/18/2017 13:37	0.12			
SR4	8/18/2017 13:57	0.04				SR12	8/18/2017 13:57	0.14			
SR4	8/18/2017 14:17	0.07				SR12	8/18/2017 14:17	0.13			
SR4	8/18/2017 14:37	0.03				SR12	8/18/2017 14:37	0.11			
SR4	8/18/2017 14:57	0.03				SR12	8/18/2017 14:57	0.13			
SR4	8/18/2017 15:17	0.06				SR12	8/18/2017 15:17	0.11			
SR4	8/18/2017 15:37	0.03				SR12	8/18/2017 15:37	0.12			
SR4	8/18/2017 15:57	0.07				SR12	8/18/2017 15:57	0.09			
SR4	8/18/2017 16:17	0.04				SR12	8/18/2017 16:17	0.14			
SR4	8/18/2017 16:37	0.03				SR12	8/18/2017 16:37	0.11			
SR4	8/18/2017 16:57	0.03				SR12	8/18/2017 16:57	0.09			
SR4	8/18/2017 17:17	0.04				SR12	8/18/2017 17:17	0.12			
SR4	8/18/2017 17:37	0.05				SR12	8/18/2017 17:37	0.14			
SR4	8/18/2017 17:57	0.05				SR12	8/18/2017 17:57	0.10			
SR4	8/18/2017 18:17	0.05				SR12	8/18/2017 18:17	0.09			
SR4	8/18/2017 18:37	0.05				SR12	8/18/2017 18:37	0.12			
SR4	8/18/2017 18:57	0.04				SR12	8/18/2017 18:57	0.10			
SR4	8/18/2017 19:17	0.07				SR12	8/18/2017 19:17	0.09			
SR4	8/18/2017 19:37	0.09				SR12	8/18/2017 19:37	0.11			
SR4	8/18/2017 19:57	0.08				SR12	8/18/2017 19:57	0.09			
SR4	8/18/2017 20:17	0.09				SR12	8/18/2017 20:17	0.13			
SR4	8/18/2017 20:37	0.10				SR12	8/18/2017 20:37	0.12			
SR4	8/18/2017 20:57	0.10				SR12	8/18/2017 20:57	0.13			
SR4	8/18/2017 21:17	0.07				SR12	8/18/2017 21:17	0.11			
SR4	8/18/2017 21:37	0.08				SR12	8/18/2017 21:37	0.13			
SR4	8/18/2017 21:57	0.08				SR12	8/18/2017 21:57	0.13			
SR4	8/18/2017 22:17	0.08				SR12	8/18/2017 22:17	0.12			
SR4	8/18/2017 22:37	0.09				SR12	8/18/2017 22:37	0.14			
SR4	8/18/2017 22:57	0.08				SR12	8/18/2017 22:57	0.14			
SR4	8/18/2017 23:17	0.08				SR12	8/18/2017 23:17	0.14			
SR4	8/18/2017 23:37	0.07				SR12	8/18/2017 23:37	0.18			
SR4	8/18/2017 23:57	0.09				SR12	8/18/2017 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. SR13 monitoring station was under maintenance during 15:50-16:10.



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	8/19/2017 0:01	29.68	82.8	6.27	8.1	SR4	8/19/2017 6:01	29.15	76.0	5.76	6.4	SR4	8/19/2017 12:01	29.89	87.5	6.63	4.7	SR4	8/19/2017 18:01	30.43	82.8	6.27	7.3
SR4	8/19/2017 0:06	29.63	78.0	5.91	5.7	SR4	8/19/2017 6:06	29.15	77.7	5.89	7.9	SR4	8/19/2017 12:06	30.08	87.0	6.59	6.5	SR4	8/19/2017 18:06	30.43	81.4	6.17	7.5
SR4	8/19/2017 0:11	29.62	80.0	6.06	6.1	SR4	8/19/2017 6:11	29.15	72.6	5.50	6.7	SR4	8/19/2017 12:11	29.89	89.2	6.76	6.8	SR4	8/19/2017 18:11	30.40	80.7	6.11	7.1
SR4	8/19/2017 0:16	29.62	80.9	6.13	6.8	SR4	8/19/2017 6:16	29.13	76.8	5.82	5.9	SR4	8/19/2017 12:16	29.88	87.3	6.61	5.7	SR4	8/19/2017 18:16	30.40	79.9	6.05	5.4
SR4	8/19/2017 0:21	29.56	77.9	5.90	6.9	SR4	8/19/2017 6:21	29.12	80.0	6.06	7.0	SR4	8/19/2017 12:21	29.85	87.5	6.63	5.0	SR4	8/19/2017 18:21	30.39	82.5	6.25	6.5
SR4	8/19/2017 0:26	29.51	76.4	5.79	6.3	SR4	8/19/2017 6:26	29.11	80.3	6.08	6.1	SR4	8/19/2017 12:26	30.17	88.4	6.70	6.6	SR4	8/19/2017 18:26	30.36	78.3	5.93	6.3
SR4	8/19/2017 0:31	29.47	77.0	5.83	5.7	SR4	8/19/2017 6:31	29.13	75.0	5.68	6.4	SR4	8/19/2017 12:31	29.92	88.4	6.70	7.5	SR4	8/19/2017 18:31	30.35	81.3	6.16	5.9
SR4	8/19/2017 0:36	29.47	77.2	5.85	8.5	SR4	8/19/2017 6:36	29.17	83.2	6.30	6.1	SR4	8/19/2017 12:36	29.81	83.7	6.34	7.0	SR4	8/19/2017 18:36	30.37	80.4	6.09	6.2
SR4	8/19/2017 0:41	29.47	75.0	5.68	8.6	SR4	8/19/2017 6:41	29.18	74.1	5.61	5.6	SR4	8/19/2017 12:41	30.08	82.1	6.22	6.1	SR4	8/19/2017 18:41	30.38	78.7	5.96	6.1
SR4	8/19/2017 0:46	29.46	71.4	5.41	6.3	SR4	8/19/2017 6:46	29.17	77.5	5.87	4.8	SR4	8/19/2017 12:46	30.25	82.8	6.27	5.5	SR4	8/19/2017 18:46	30.42	79.1	5.99	4.7
SR4	8/19/2017 0:51	29.45	81.4	6.17	6.5	SR4	8/19/2017 6:51	29.16	80.7	6.11	5.4	SR4	8/19/2017 12:51	30.27	81.8	6.20	4.9	SR4	8/19/2017 18:51	30.43	88.2	6.68	5.9
SR4	8/19/2017 0:56	29.45	78.3	5.93	5.5	SR4	8/19/2017 6:56	29.15	79.3	6.01	7.2	SR4	8/19/2017 12:56	30.10	77.9	5.90	6.1	SR4	8/19/2017 18:56	30.41	86.5	6.55	6.5
SR4	8/19/2017 1:01	29.45	78.7	5.96	8.4	SR4	8/19/2017 7:01	29.15	81.2	6.15	7.3	SR4	8/19/2017 13:01	30.10	73.0	5.53	4.8	SR4	8/19/2017 19:01	30.45	91.3	6.92	4.8
SR4	8/19/2017 1:06	29.36	83.3	6.31	8.3	SR4	8/19/2017 7:06	29.16	85.1	6.45	6.7	SR4	8/19/2017 13:06	29.98	76.8	5.82	5.4	SR4	8/19/2017 19:06	30.50	92.9	7.04	6.5
SR4	8/19/2017 1:11	29.35	80.3	6.08	6.9	SR4	8/19/2017 7:11	29.01	79.5	6.02	7.4	SR4	8/19/2017 13:11	30.54	73.3	5.55	5.3	SR4	8/19/2017 19:11	30.55	84.9	6.43	6.4
SR4	8/19/2017 1:16	29.35	80.5	6.10	6.6	SR4	8/19/2017 7:16	28.85	75.5	5.72	5.9	SR4	8/19/2017 13:16	30.51	76.3	5.78	5.7	SR4	8/19/2017 19:16	30.35	95.4	7.23	6.5
SR4	8/19/2017 1:21	29.35	74.3	5.63	8.1	SR4	8/19/2017 7:21	29.01	77.7	5.89	5.9	SR4	8/19/2017 13:21	30.22	81.4	6.17	4.9	SR4	8/19/2017 19:21	30.53	89.0	6.74	4.7
SR4	8/19/2017 1:26	29.33	71.8	5.44	6.8	SR4	8/19/2017 7:26	28.83	77.0	5.83	5.4	SR4	8/19/2017 13:26	29.79	80.1	6.07	6.1	SR4	8/19/2017 19:26	30.51	88.3	6.69	6.5
SR4	8/19/2017 1:31	29.30	76.8	5.82	5.9	SR4	8/19/2017 7:31	28.74	72.3	5.48	4.9	SR4	8/19/2017 13:31	30.10	85.8	6.50	4.8	SR4	8/19/2017 19:31	30.52	84.6	6.41	7.2
SR4	8/19/2017 1:36	29.30	78.1	5.92	6.3	SR4	8/19/2017 7:36	28.69	69.3	5.25	6.9	SR4	8/19/2017 13:36	30.03	82.6	6.26	7.3	SR4	8/19/2017 19:36	30.51	85.9	6.51	7.4
SR4	8/19/2017 1:41	29.36	80.9	6.13	6.8	SR4	8/19/2017 7:41	28.66	77.4	5.86	7.0	SR4	8/19/2017 13:41	30.03	78.4	5.94	6.4	SR4	8/19/2017 19:41	30.49	84.5	6.40	4.7
SR4	8/19/2017 1:46	29.52	88.7	6.72	5.9	SR4	8/19/2017 7:46	28.66	69.3	5.25	6.2	SR4	8/19/2017 13:46	30.14	83.7	6.34	6.1	SR4	8/19/2017 19:46	30.48	87.3	6.61	7.3
SR4	8/19/2017 1:51	29.63	93.5	7.08	5.5	SR4	8/19/2017 7:51	28.69	72.7	5.51	5.9	SR4	8/19/2017 13:51	30.15	91.2	6.91	7.4	SR4	8/19/2017 19:51	30.45	87.0	6.59	4.8
SR4	8/19/2017 1:56	29.71	92.1	6.98	7.2	SR4	8/19/2017 7:56	28.77	73.0	5.53	7.1	SR4	8/19/2017 13:56	30.06	83.0	6.29	7.3	SR4	8/19/2017 19:56	30.42	82.8	6.27	5.1
SR4	8/19/2017 2:01	29.70	93.5	7.08	7.2	SR4	8/19/2017 8:01	28.85	75.8	5.74	5.2	SR4	8/19/2017 14:01	29.82	88.0	6.67	5.7	SR4	8/19/2017 20:01	30.40	90.2	6.83	7.5
SR4	8/19/2017 2:06	29.75	100.3	7.60	5.5	SR4	8/19/2017 8:06	28.79	79.1	5.99	6.4	SR4	8/19/2017 14:06	30.22	81.2	6.15	6.1	SR4	8/19/2017 20:06	30.39	88.0	6.67	5.2
SR4	8/19/2017 2:11	29.75	91.9	6.96	7.9	SR4	8/19/2017 8:11	28.69	73.7	5.58	6.3	SR4	8/19/2017 14:11	30.09	86.2	6.53	5.7	SR4	8/19/2017 20:11	30.38	84.1	6.37	5.1
SR4	8/19/2017 2:16	29.78	94.1	7.13	7.0	SR4	8/19/2017 8:16	28.78	73.8	5.59	7.0	SR4	8/19/2017 14:16	30.01	89.9	6.81	5.3	SR4	8/19/2017 20:16	30.36	91.9	6.96	6.4
SR4	8/19/2017 2:21	29.72	97.5	7.39	8.8	SR4	8/19/2017 8:21	28.89	81.6	6.18	5.8	SR4	8/19/2017 14:21	30.08	90.7	6.87	6.6	SR4	8/19/2017 20:21	30.34	87.5	6.63	7.2
SR4	8/19/2017 2:26	29.73	89.1	6.75	8.6	SR4	8/19/2017 8:26	28.73	70.5	5.34	5.1	SR4	8/19/2017 14:26	30.32	94.1	7.13	7.5	SR4	8/19/2017 20:26	30.32	83.0	6.29	6.6
SR4	8/19/2017 2:31	29.74	97.0	7.35	6.1	SR4	8/19/2017 8:31	28.69	74.1	5.61	5.2	SR4	8/19/2017 14:31	30.22	93.2	7.06	4.9	SR4	8/19/2017 20:31	30.31	80.8	6.12	5.8
SR4	8/19/2017 2:36	29.69	89.4	6.77	8.1	SR4	8/19/2017 8:36	28.79	77.0	5.83	5.2	SR4	8/19/2017 14:36	30.31	93.1	7.05	6.7	SR4	8/19/2017 20:36	30.31	85.0	6.44	5.7
SR4	8/19/2017 2:41	29.71	93.7	7.37	8.1	SR4	8/19/2017 8:41	28.95	75.1	5.69	7.5	SR4	8/19/2017 14:41	30.21	94.5	7.16	6.0	SR4	8/19/2017 20:41	30.29	84.3	6.39	5.2
SR4	8/19/2017 2:46	29.69	93.7	7.10	6.3	SR4	8/19/2017 8:46	29.11	78.4	5.94	6.6	SR4	8/19/2017 14:46	30.21	98.7	7.48	4.8	SR4	8/19/2017 20:46	30.27	82.5	6.25	6.8
SR4	8/19/2017 2:51	29.70	89.2	6.76	7.8	SR4	8/19/2017 8:51	29.02	80.3	6.08	6.2	SR4	8/19/2017 14:51	30.27	93.2	7.06	6.7	SR4	8/19/2017 20:51	30.27	85.3	6.46	6.6
SR4	8/19/2017 2:56	29.68	89.5	6.78	6.5	SR4	8/19/2017 8:56	29.13	84.9	6.43	5.0	SR4	8/19/2017 14:56	30.38	89.5	6.78	5.1	SR4	8/19/2017 20:56	30.28	89.9	6.81	5.8
SR4	8/19/2017 3:01	29.65	91.2	6.91	8.7	SR4	8/19/2017 9:01	29.15	79.2	6.00	7.5	SR4	8/19/2017 15:01	30.40	97.8	7.41	7.4	SR4	8/19/2017 21:01	30.27	84.6	6.41	6.4
SR4	8/19/2017 3:06	29.44	78.9	5.98	5.5	SR4	8/19/2017 9:06	29.16	77.4	5.86	7.1	SR4	8/19/2017 15:06	30.43	88.6	6.71	7.5	SR4	8/19/2017 21:06	30.25	82.2	6.23	6.2
SR4	8/19/2017 3:11	29.18	82.1	6.22	7.9	SR4	8/19/2017 9:11	28.90	80.7	6.11	7.1	SR4	8/19/2017 15:11	30.46	88.4	6.70	7.5	SR4	8/19/2017 21:11	30.21	80.5	6.10	5.9
SR4	8/19/2017 3:16	29.33	89.0	6.74	8.2	SR4	8/19/2017 9:16	29.23	79.5	6.02	6.9	SR4	8/19/2017 15:16	30.44	94.0	7.12	6.2	SR4	8/19/2017 21:16	30.13	90.8	6.88	7.0
SR4	8/19/2017 3:21	29.41	84.3	6.39	7.6	SR4	8/19/2017 9:21	29.34	74.1	5.61	5.6	SR4	8/19/2017 15:21	30.45	96.4	7.30	5.1	SR4	8/19/2017 21:21	30.13	91.5	6.93	6.2
SR4	8/19/2017 3:26	29.46	83.0	6.29	7.2	SR4	8/19/2017 9:26	29.45	78.0	5.91	6.1	SR4	8/19/2017 15:26	30.52	91.1	6.90	4.7	SR4	8/19/2017 21:26	30.13	91.2	6.91	6.9
SR4	8/19/2017 3:31	29.48	81.2	6.15	6.8	SR4	8/19/2017 9:31	29.57	80.9	6.13	6.4	SR4	8/19/2017 15:31	30.47	86.9	6.58	6.9	SR4	8/19/2017 21:31	30.12	83.4	6.32	8.3
SR4	8/19/2017 3:36	29.47	88.8	6.73	6.0	SR4	8/19/2017 9:36	29.86	80.8	6.12	5.0	SR4	8/19/2017 15:36	30.46	95.0	7.20	5.5	SR4	8/19/2017 21:36	30.07	83.3	6.31	7.5
SR4	8/19/2017 3:41	29.49	80.5	6.10	7.0	SR4	8/19/2017 9:41	29.97	86.1	6.52	6.9	SR4	8/19/2017 15:41	30.43	94.2	7.14	5.5	SR4	8/19/2017 21:41	30.06	83.8	6.35	5.4
SR4	8/19/2017 3:46	29.50	87.6	6.64	8.8	SR4	8/19/2017 9:46	30.04	88.7	6.72	7.5	SR4	8/19/2017 15:46	30.38	84.9	6.43	7.3	SR4	8/19/2017 21:46	30.07	89.6	6.79	7.7
SR4	8/19/2017 3:51	29.49	84.1	6.37	7.9	SR4	8/19/2017 9:51	30.02	84.3	6.39	5.1	SR4	8/19/2017 15:51	30.45	83.8	6.35	5.9	SR4	8/19/2017 21:51	30.06	87.8	6.65	6.2
SR4	8/19/2017 3:56	29.44	87.6	6.64	7.3	SR4	8/19/2017 9:56	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)
SR5	8/19/2017 0:00	29.75	84.6	6.41	8.1	SR5	8/19/2017 6:00	29.21	87.1	6.60	3.5	SR5	8/19/2017 12:00	29.74	93.2	7.06	6.1	SR5	8/19/2017 18:00	30.23	88.3	6.69	6.4
SR5	8/19/2017 0:05	29.74	85.0	6.44	8.1	SR5	8/19/2017 6:05	29.21	80.7	6.11	3.1	SR5	8/19/2017 12:05	29.80	94.1	7.13	3.2	SR5	8/19/2017 18:05	29.90	85.8	6.50	7.2
SR5	8/19/2017 0:10	29.72	86.6	6.56	8.8	SR5	8/19/2017 6:10	29.16	88.0	6.67	3.1	SR5	8/19/2017 12:10	29.76	95.0	7.20	4.5	SR5	8/19/2017 18:10	30.13	89.9	6.81	5.5
SR5	8/19/2017 0:15	29.68	83.2	6.30	7.3	SR5	8/19/2017 6:15	29.14	83.8	6.35	6.8	SR5	8/19/2017 12:15	29.82	87.9	6.66	6.2	SR5	8/19/2017 18:15	30.14	91.6	6.94	8.5
SR5	8/19/2017 0:20	29.67	88.6	6.71	7.4	SR5	8/19/2017 6:20	29.17	81.4	6.17	5.3	SR5	8/19/2017 12:20	29.85	94.4	7.15	4.1	SR5	8/19/2017 18:20	29.94	85.5	6.48	7.2
SR5	8/19/2017 0:25	29.64	85.8	6.50	7.6	SR5	8/19/2017 6:25	29.18	79.6	6.03	6.4	SR5	8/19/2017 12:25	29.88	93.6	7.09	6.8	SR5	8/19/2017 18:25	30.19	91.5	6.93	6.2
SR5	8/19/2017 0:30	29.63	84.0	6.36	7.1	SR5	8/19/2017 6:30	29.22	82.5	6.25	6.0	SR5	8/19/2017 12:30	29.91	86.9	6.58	5.3	SR5	8/19/2017 18:30	29.89	91.6	6.94	5.1
SR5	8/19/2017 0:35	29.61	86.7	6.57	9.2	SR5	8/19/2017 6:35	29.25	86.3	6.54	4.2	SR5	8/19/2017 12:35	29.88	90.4	6.85	4.0	SR5	8/19/2017 18:35	29.93	95.7	7.25	5.4
SR5	8/19/2017 0:40	29.59	79.2	6.00	9.1	SR5	8/19/2017 6:40	29.18	87.3	6.81	3.4	SR5	8/19/2017 12:40	29.84	82.8	6.27	4.7	SR5	8/19/2017 18:40	30.04	100.5	7.61	5.6
SR5	8/19/2017 0:45	29.56	86.3	6.54	8.7	SR5	8/19/2017 6:45	29.17	84.7	6.42	3.3	SR5	8/19/2017 12:45	29.95	79.7	6.04	6.9	SR5	8/19/2017 18:45	30.08	90.9	6.89	6.1
SR5	8/19/2017 0:50	29.54	85.1	6.45	8.8	SR5	8/19/2017 6:50	29.15	84.6	6.41	3.3	SR5	8/19/2017 12:50	30.07	79.9	6.05	4.7	SR5	8/19/2017 18:50	30.04	95.0	7.20	5.7
SR5	8/19/2017 0:55	29.51	83.3	6.31	8.6	SR5	8/19/2017 6:55	29.11	85.4	6.47	5.8	SR5	8/19/2017 12:55	30.01	82.6	6.26	4.9	SR5	8/19/2017 18:55	30.09	87.1	6.60	4.5
SR5	8/19/2017 1:00	29.47	78.0	5.91	8.5	SR5	8/19/2017 7:00	29.11	86.6	6.56	4.7	SR5	8/19/2017 13:00	30.07	79.7	6.04	6.1	SR5	8/19/2017 19:00	29.92	98.5	7.46	6.3
SR5	8/19/2017 1:05	29.44	80.1	6.07	7.5	SR5	8/19/2017 7:05	29.10	86.9	6.58	5.8	SR5	8/19/2017 13:05	30.02	81.2	6.15	6.9	SR5	8/19/2017 19:05	30.14	90.9	6.89	5.6
SR5	8/19/2017 1:10	29.40	85.4	6.47	8.0	SR5	8/19/2017 7:10	29.03	82.4	6.24	3.8	SR5	8/19/2017 13:10	29.99	79.5	6.02	4.0	SR5	8/19/2017 19:10	30.14	91.5	6.93	8.4
SR5	8/19/2017 1:15	29.35	76.6	5.80	8.8	SR5	8/19/2017 7:15	29.06	87.3	6.81	3.9	SR5	8/19/2017 13:15	30.12	81.0	6.14	4.6	SR5	8/19/2017 19:15	30.04	89.5	6.78	7.0
SR5	8/19/2017 1:20	29.38	85.4	6.47	7.2	SR5	8/19/2017 7:20	29.03	79.2	6.00	6.1	SR5	8/19/2017 13:20	30.13	82.9	6.28	5.7	SR5	8/19/2017 19:20	30.17	91.6	6.94	5.3
SR5	8/19/2017 1:25	29.40	77.1	5.84	8.1	SR5	8/19/2017 7:25	28.98	86.7	6.57	6.8	SR5	8/19/2017 13:25	29.94	84.6	6.41	5.0	SR5	8/19/2017 19:25	30.13	98.6	7.47	8.3
SR5	8/19/2017 1:30	29.37	81.4	6.17	7.1	SR5	8/19/2017 7:30	28.89	76.8	5.82	6.6	SR5	8/19/2017 13:30	29.95	91.3	6.92	3.9	SR5	8/19/2017 19:30	30.22	90.9	6.89	5.5
SR5	8/19/2017 1:35	29.35	85.0	6.44	8.2	SR5	8/19/2017 7:35	28.84	78.4	5.94	6.4	SR5	8/19/2017 13:35	29.91	95.3	7.22	5.6	SR5	8/19/2017 19:35	29.91	90.4	6.85	4.6
SR5	8/19/2017 1:40	29.35	85.0	6.44	8.5	SR5	8/19/2017 7:40	28.73	74.3	5.63	4.6	SR5	8/19/2017 13:40	30.00	91.6	6.94	6.3	SR5	8/19/2017 19:40	30.17	94.0	7.12	8.4
SR5	8/19/2017 1:45	29.35	83.6	6.33	7.7	SR5	8/19/2017 7:45	28.66	79.7	6.04	4.8	SR5	8/19/2017 13:45	29.89	90.9	6.89	6.5	SR5	8/19/2017 19:45	29.97	89.9	6.81	4.4
SR5	8/19/2017 1:50	29.37	85.8	6.50	9.0	SR5	8/19/2017 7:50	28.62	74.7	5.66	5.5	SR5	8/19/2017 13:50	29.72	100.1	7.58	6.5	SR5	8/19/2017 19:50	30.16	91.9	6.96	4.8
SR5	8/19/2017 1:55	29.39	88.6	6.71	8.9	SR5	8/19/2017 7:55	28.71	80.4	6.09	4.2	SR5	8/19/2017 13:55	29.47	102.3	7.75	4.3	SR5	8/19/2017 19:55	30.21	89.0	6.74	4.4
SR5	8/19/2017 2:00	29.40	83.6	6.33	7.1	SR5	8/19/2017 8:00	28.74	82.0	6.21	3.8	SR5	8/19/2017 14:00	29.33	100.7	7.63	3.2	SR5	8/19/2017 20:00	30.09	92.9	7.04	6.3
SR5	8/19/2017 2:05	29.65	91.9	6.96	8.0	SR5	8/19/2017 8:05	28.75	76.4	5.79	4.8	SR5	8/19/2017 14:05	29.04	94.9	7.19	6.5	SR5	8/19/2017 20:05	29.94	90.9	6.89	6.4
SR5	8/19/2017 2:10	29.74	91.9	6.96	7.8	SR5	8/19/2017 8:10	28.72	82.2	6.23	6.5	SR5	8/19/2017 14:10	28.97	103.2	7.82	6.6	SR5	8/19/2017 20:10	30.01	88.8	6.73	7.8
SR5	8/19/2017 2:15	29.78	100.6	7.62	8.4	SR5	8/19/2017 8:15	28.72	76.0	5.76	6.2	SR5	8/19/2017 14:15	28.93	104.0	7.88	3.8	SR5	8/19/2017 20:15	30.13	90.2	6.83	6.3
SR5	8/19/2017 2:20	29.73	91.7	6.95	8.3	SR5	8/19/2017 8:20	28.70	76.0	5.76	6.8	SR5	8/19/2017 14:20	28.95	101.2	7.67	2.9	SR5	8/19/2017 20:20	29.98	87.1	6.60	4.6
SR5	8/19/2017 2:25	29.73	98.1	7.43	7.7	SR5	8/19/2017 8:25	28.65	79.7	6.04	3.1	SR5	8/19/2017 14:25	28.71	102.3	7.75	6.8	SR5	8/19/2017 20:25	29.94	95.0	7.20	4.7
SR5	8/19/2017 2:30	29.71	95.3	7.22	7.8	SR5	8/19/2017 8:30	28.70	76.7	5.81	3.0	SR5	8/19/2017 14:30	28.79	104.9	7.95	5.8	SR5	8/19/2017 20:30	30.17	88.8	6.73	6.8
SR5	8/19/2017 2:35	29.69	97.4	7.32	8.4	SR5	8/19/2017 8:35	28.67	77.2	5.85	4.9	SR5	8/19/2017 14:35	28.83	100.1	7.58	6.2	SR5	8/19/2017 20:35	29.96	91.9	6.96	8.2
SR5	8/19/2017 2:40	29.71	97.0	7.35	7.2	SR5	8/19/2017 8:40	28.72	78.3	5.93	2.8	SR5	8/19/2017 14:40	28.95	97.7	7.40	5.6	SR5	8/19/2017 20:40	29.95	91.1	6.90	8.1
SR5	8/19/2017 2:45	29.71	99.4	7.53	6.8	SR5	8/19/2017 8:45	28.71	79.6	6.03	5.0	SR5	8/19/2017 14:45	28.98	101.6	7.70	6.1	SR5	8/19/2017 20:45	30.06	96.6	7.32	4.4
SR5	8/19/2017 2:50	29.70	100.1	7.58	5.8	SR5	8/19/2017 8:50	28.78	75.8	5.74	5.2	SR5	8/19/2017 14:50	29.09	101.5	7.69	2.7	SR5	8/19/2017 20:50	29.93	88.2	6.68	6.2
SR5	8/19/2017 2:55	29.70	102.2	7.74	6.1	SR5	8/19/2017 8:55	28.89	85.4	6.47	6.2	SR5	8/19/2017 14:55	29.19	96.1	7.28	5.3	SR5	8/19/2017 20:55	30.09	89.8	6.80	7.0
SR5	8/19/2017 3:00	29.67	100.3	7.60	7.4	SR5	8/19/2017 9:00	28.98	83.4	6.32	5.5	SR5	8/19/2017 15:00	29.16	101.1	7.66	6.2	SR5	8/19/2017 21:00	29.94	86.6	6.56	7.5
SR5	8/19/2017 3:05	29.35	82.4	6.24	7.3	SR5	8/19/2017 9:05	29.06	86.7	6.57	4.0	SR5	8/19/2017 15:05	29.14	96.2	7.29	5.3	SR5	8/19/2017 21:05	30.22	86.3	6.54	4.4
SR5	8/19/2017 3:10	29.26	82.8	6.27	8.1	SR5	8/19/2017 9:10	29.06	87.9	6.66	3.7	SR5	8/19/2017 15:10	29.19	93.2	7.06	5.0	SR5	8/19/2017 21:10	30.21	89.1	6.75	6.0
SR5	8/19/2017 3:15	29.38	90.4	6.85	6.7	SR5	8/19/2017 9:15	29.09	88.8	6.73	5.6	SR5	8/19/2017 15:15	29.04	99.8	7.56	6.8	SR5	8/19/2017 21:15	30.15	95.7	7.25	6.4
SR5	8/19/2017 3:20	29.47	97.2	7.36	5.4	SR5	8/19/2017 9:20	29.08	84.6	6.41	4.9	SR5	8/19/2017 15:20	29.00	96.9	7.34	3.3	SR5	8/19/2017 21:20	30.16	96.2	7.29	8.1
SR5	8/19/2017 3:25	29.51	90.7	6.87	7.6	SR5	8/19/2017 9:25	29.27	85.5	6.48	5.2	SR5	8/19/2017 15:25	28.97	95.0	7.20	6.4	SR5	8/19/2017 21:25	30.16	85.7	6.49	5.4
SR5	8/19/2017 3:30	29.51	94.4	7.15	7.4	SR5	8/19/2017 9:30	29.28	81.6	6.18	4.1	SR5	8/19/2017 15:30	29.12	102.4	7.76	3.3	SR5	8/19/2017 21:30	30.17	92.0	6.97	6.1
SR5	8/19/2017 3:35	29.51	93.7	7.10	6.7	SR5	8/19/2017 9:35	29.41	89.9	6.81	3.6	SR5	8/19/2017 15:35	29.11	103.2	7.82	2.7	SR5	8/19/2017 21:35	30.13	89.9	6.81	5.2
SR5	8/19/2017 3:40	29.54	99.5	7.54	6.3	SR5	8/19/2017 9:40	29.48	85.4	6.47	5.7	SR5	8/19/2017 15:40	29.35	99.5	7.54	4.9	SR5	8/19/2017 21:40	30.09	95.2	7.21	5.2
SR5	8/19/2017 3:45	29.55	95.4	7.23	7.5	SR5	8/19/2017 9:45	29.59	82.2	6.23	5.5	SR5	8/19/2017 15:45	29.22	93.7	7.10	2.8	SR5	8/19/2017 21:45	30.08	92.7	7.02	6.6
SR5	8/19/2017 3:50	29.47	96.9	7.34	7.4	SR5	8/19/2017 9:50	29.66	90.0	6.82	3.5	SR5	8/19/2017 15:50	29.23	98.1	7.43	5.6	SR5	8/19/2017 21:50	30.06	93.6	7.09	6.8
SR5	8/19/2017 3:55	29.37	89.0	6.74	7.9	SR5	8/19/2017 9:55	29.65															

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	8/19/2017 0:01	29.68	69.6	5.27	5.8	SR12	8/19/2017 6:01	29.12	69.7	5.28	6.9	SR12	8/19/2017 12:01	29.76	84.1	6.37	7.6	SR12	8/19/2017 18:01	30.31	78.9	5.98	6.6
SR12	8/19/2017 0:06	29.66	74.8	5.67	6.8	SR12	8/19/2017 6:06	29.08	69.3	5.25	7.1	SR12	8/19/2017 12:06	29.82	84.1	6.37	6.9	SR12	8/19/2017 18:06	30.27	76.0	5.76	5.8
SR12	8/19/2017 0:11	29.63	74.7	5.66	4.8	SR12	8/19/2017 6:11	29.09	68.8	5.21	6.1	SR12	8/19/2017 12:11	29.86	84.5	6.40	7.4	SR12	8/19/2017 18:11	30.27	76.0	5.53	7.1
SR12	8/19/2017 0:16	29.62	68.2	5.17	6.2	SR12	8/19/2017 6:16	29.11	70.8	5.36	7.1	SR12	8/19/2017 12:16	29.88	91.3	6.92	6.8	SR12	8/19/2017 18:16	30.23	73.8	5.59	7.7
SR12	8/19/2017 0:21	29.58	69.7	5.28	5.9	SR12	8/19/2017 6:21	29.11	72.5	5.49	7.5	SR12	8/19/2017 12:21	29.92	92.5	7.01	7.9	SR12	8/19/2017 18:21	30.23	79.3	6.01	7.0
SR12	8/19/2017 0:26	29.57	74.2	5.62	7.5	SR12	8/19/2017 6:26	29.18	71.1	5.39	7.4	SR12	8/19/2017 12:26	29.82	85.5	6.48	6.7	SR12	8/19/2017 18:26	30.22	73.4	5.56	6.6
SR12	8/19/2017 0:31	29.55	73.1	5.54	6.4	SR12	8/19/2017 6:31	29.19	71.0	5.38	8.3	SR12	8/19/2017 12:31	29.83	84.2	6.38	7.7	SR12	8/19/2017 18:31	30.23	77.9	5.90	6.5
SR12	8/19/2017 0:36	29.52	71.7	5.43	6.2	SR12	8/19/2017 6:36	29.12	67.7	5.13	6.3	SR12	8/19/2017 12:36	29.80	90.4	6.85	7.1	SR12	8/19/2017 18:36	30.46	86.1	6.52	7.4
SR12	8/19/2017 0:41	29.50	67.5	5.11	5.0	SR12	8/19/2017 6:41	29.10	67.5	5.11	8.1	SR12	8/19/2017 12:41	29.70	83.4	6.32	7.2	SR12	8/19/2017 18:41	30.46	87.6	6.64	7.8
SR12	8/19/2017 0:46	29.48	68.8	5.21	4.3	SR12	8/19/2017 6:46	29.09	70.1	5.31	7.7	SR12	8/19/2017 12:46	29.82	88.0	6.67	8.0	SR12	8/19/2017 18:46	30.37	78.8	5.97	6.4
SR12	8/19/2017 0:51	29.42	71.7	5.43	5.9	SR12	8/19/2017 6:51	29.05	67.2	5.09	7.6	SR12	8/19/2017 12:51	29.75	77.4	5.86	7.2	SR12	8/19/2017 18:51	30.32	80.9	6.13	6.7
SR12	8/19/2017 0:56	29.39	71.3	5.40	6.0	SR12	8/19/2017 6:56	28.97	68.0	5.15	6.0	SR12	8/19/2017 12:56	29.96	82.6	6.26	7.4	SR12	8/19/2017 18:56	30.28	81.2	6.15	7.1
SR12	8/19/2017 1:01	29.37	64.8	4.91	5.0	SR12	8/19/2017 7:01	28.87	70.2	5.32	7.6	SR12	8/19/2017 13:01	29.99	80.0	6.06	7.0	SR12	8/19/2017 19:01	30.49	87.1	6.60	6.3
SR12	8/19/2017 1:06	29.36	70.6	5.35	4.0	SR12	8/19/2017 7:06	28.90	71.5	5.42	6.6	SR12	8/19/2017 13:06	29.91	89.2	6.76	7.6	SR12	8/19/2017 19:06	30.54	86.3	6.54	5.9
SR12	8/19/2017 1:11	29.36	69.3	5.25	5.9	SR12	8/19/2017 7:11	28.84	71.5	5.42	6.2	SR12	8/19/2017 13:11	29.86	90.9	6.89	7.6	SR12	8/19/2017 19:11	30.55	79.6	6.03	6.9
SR12	8/19/2017 1:16	29.34	66.9	5.07	5.9	SR12	8/19/2017 7:16	28.87	71.5	5.42	5.8	SR12	8/19/2017 13:16	29.73	87.8	6.65	8.0	SR12	8/19/2017 19:16	30.54	84.1	6.37	7.3
SR12	8/19/2017 1:21	29.34	68.4	5.18	6.1	SR12	8/19/2017 7:21	28.84	67.8	5.14	7.0	SR12	8/19/2017 13:21	29.66	91.2	6.91	7.2	SR12	8/19/2017 19:21	30.51	86.9	6.58	5.4
SR12	8/19/2017 1:26	29.32	73.9	5.60	5.6	SR12	8/19/2017 7:26	28.56	62.4	4.73	7.4	SR12	8/19/2017 13:26	29.74	87.1	6.60	6.5	SR12	8/19/2017 19:26	30.49	78.4	5.94	4.8
SR12	8/19/2017 1:31	29.28	69.7	5.28	5.9	SR12	8/19/2017 7:31	28.53	65.5	4.96	7.8	SR12	8/19/2017 13:31	29.59	85.4	6.47	7.2	SR12	8/19/2017 19:31	30.45	80.1	6.07	5.0
SR12	8/19/2017 1:36	29.30	66.8	5.06	6.9	SR12	8/19/2017 7:36	28.51	65.5	4.96	7.3	SR12	8/19/2017 13:36	29.34	88.7	6.72	7.0	SR12	8/19/2017 19:36	30.40	77.1	5.84	4.0
SR12	8/19/2017 1:41	29.27	66.9	5.07	6.2	SR12	8/19/2017 7:41	28.46	60.2	4.56	6.0	SR12	8/19/2017 13:41	29.20	90.2	6.83	6.4	SR12	8/19/2017 19:41	30.39	80.1	6.07	6.9
SR12	8/19/2017 1:46	29.30	65.5	4.96	5.4	SR12	8/19/2017 7:46	28.56	66.3	5.02	6.5	SR12	8/19/2017 13:46	29.23	96.4	7.30	6.5	SR12	8/19/2017 19:46	30.39	80.3	6.08	6.0
SR12	8/19/2017 1:51	29.29	65.7	4.98	6.3	SR12	8/19/2017 7:51	28.57	63.5	4.81	5.6	SR12	8/19/2017 13:51	29.21	95.3	7.22	6.7	SR12	8/19/2017 19:51	30.35	74.1	5.61	6.7
SR12	8/19/2017 1:56	29.28	64.7	4.90	5.2	SR12	8/19/2017 7:56	28.73	66.1	5.01	5.3	SR12	8/19/2017 13:56	29.13	91.1	6.90	6.1	SR12	8/19/2017 19:56	30.32	82.9	6.28	5.5
SR12	8/19/2017 2:01	29.27	68.9	5.22	4.5	SR12	8/19/2017 8:01	28.71	67.6	5.12	6.1	SR12	8/19/2017 14:01	29.19	87.3	6.61	7.8	SR12	8/19/2017 20:01	30.31	73.5	5.57	5.5
SR12	8/19/2017 2:06	29.43	77.4	5.86	4.4	SR12	8/19/2017 8:06	28.61	61.0	4.62	6.9	SR12	8/19/2017 14:06	29.20	90.9	6.89	7.2	SR12	8/19/2017 20:06	30.30	81.4	6.17	5.3
SR12	8/19/2017 2:11	29.54	76.8	5.82	4.3	SR12	8/19/2017 8:11	28.42	60.6	4.59	8.0	SR12	8/19/2017 14:11	29.23	97.5	7.39	8.0	SR12	8/19/2017 20:11	30.29	76.7	5.81	5.5
SR12	8/19/2017 2:16	29.57	83.2	6.30	6.4	SR12	8/19/2017 8:16	28.58	62.6	4.74	7.6	SR12	8/19/2017 14:16	29.26	89.1	6.75	7.6	SR12	8/19/2017 20:16	30.27	81.2	6.15	4.0
SR12	8/19/2017 2:21	29.55	74.4	5.64	4.8	SR12	8/19/2017 8:21	28.61	61.2	4.64	7.5	SR12	8/19/2017 14:21	29.23	92.8	7.03	7.6	SR12	8/19/2017 20:21	30.26	75.0	5.68	6.8
SR12	8/19/2017 2:26	29.54	74.7	5.66	5.6	SR12	8/19/2017 8:26	28.48	66.8	5.06	5.3	SR12	8/19/2017 14:26	29.33	95.3	7.22	8.1	SR12	8/19/2017 20:26	30.25	73.3	5.55	4.9
SR12	8/19/2017 2:31	29.56	80.5	6.10	5.0	SR12	8/19/2017 8:31	28.50	66.5	5.04	7.8	SR12	8/19/2017 14:31	29.41	92.5	7.01	7.6	SR12	8/19/2017 20:31	30.25	81.2	6.15	5.5
SR12	8/19/2017 2:36	29.53	78.4	5.94	6.5	SR12	8/19/2017 8:36	28.58	67.1	5.08	7.2	SR12	8/19/2017 14:36	29.47	90.7	6.87	7.1	SR12	8/19/2017 20:36	30.22	79.1	5.99	5.9
SR12	8/19/2017 2:41	29.53	77.5	5.87	5.3	SR12	8/19/2017 8:41	28.58	66.5	5.04	7.7	SR12	8/19/2017 14:41	29.57	89.5	6.78	7.6	SR12	8/19/2017 20:41	30.19	74.4	5.64	4.6
SR12	8/19/2017 2:46	29.54	80.4	6.09	7.0	SR12	8/19/2017 8:46	28.67	64.3	4.87	7.9	SR12	8/19/2017 14:46	29.61	90.4	6.85	6.6	SR12	8/19/2017 20:46	30.18	75.8	5.74	5.6
SR12	8/19/2017 2:51	29.55	77.1	5.84	6.3	SR12	8/19/2017 8:51	28.77	66.5	5.04	7.7	SR12	8/19/2017 14:51	29.72	92.1	6.98	6.7	SR12	8/19/2017 20:51	30.19	80.9	6.13	6.6
SR12	8/19/2017 2:56	29.58	82.5	6.25	5.9	SR12	8/19/2017 8:56	28.88	73.0	5.53	6.8	SR12	8/19/2017 14:56	29.84	89.0	6.74	7.1	SR12	8/19/2017 20:56	30.18	77.2	5.85	6.9
SR12	8/19/2017 3:01	29.59	80.3	6.08	7.1	SR12	8/19/2017 9:01	28.91	66.5	5.04	5.6	SR12	8/19/2017 15:01	29.85	94.4	7.15	8.2	SR12	8/19/2017 21:01	30.18	75.5	5.72	6.6
SR12	8/19/2017 3:06	29.27	78.3	5.93	4.6	SR12	8/19/2017 9:06	28.95	69.7	5.28	4.9	SR12	8/19/2017 15:06	29.90	92.7	7.02	6.8	SR12	8/19/2017 21:06	30.17	82.5	6.25	5.3
SR12	8/19/2017 3:11	29.23	71.4	5.41	6.6	SR12	8/19/2017 9:11	28.98	70.5	5.34	6.3	SR12	8/19/2017 15:11	29.96	90.8	6.88	7.4	SR12	8/19/2017 21:11	30.14	76.2	5.77	5.5
SR12	8/19/2017 3:16	29.30	75.4	5.71	5.5	SR12	8/19/2017 9:16	28.95	67.7	5.13	6.6	SR12	8/19/2017 15:16	30.08	88.6	6.71	7.7	SR12	8/19/2017 21:16	30.15	75.8	5.74	5.5
SR12	8/19/2017 3:21	29.37	82.1	6.22	6.1	SR12	8/19/2017 9:21	29.13	70.0	5.30	8.1	SR12	8/19/2017 15:21	30.11	94.0	7.12	7.0	SR12	8/19/2017 21:21	30.10	78.3	5.93	5.6
SR12	8/19/2017 3:26	29.41	77.5	5.87	6.3	SR12	8/19/2017 9:26	29.21	69.4	5.26	6.4	SR12	8/19/2017 15:26	30.05	89.6	6.79	7.0	SR12	8/19/2017 21:26	30.10	82.1	6.22	5.3
SR12	8/19/2017 3:31	29.43	78.7	5.96	5.8	SR12	8/19/2017 9:31	29.32	70.9	5.37	5.7	SR12	8/19/2017 15:31	30.36	89.1	6.75	6.6	SR12	8/19/2017 21:31	30.06	73.9	5.60	5.3
SR12	8/19/2017 3:36	29.44	78.9	5.98	7.5	SR12	8/19/2017 9:36	29.37	77.1	5.84	6.7	SR12	8/19/2017 15:36	30.33	85.5	6.48	7.9	SR12	8/19/2017 21:36	30.03	75.1	5.69	6.5
SR12	8/19/2017 3:41	29.48	78.8	5.97	5.5	SR12	8/19/2017 9:41	29.48	70.8	5.36	7.8	SR12	8/19/2017 15:41	30.39	90.8	6.88	8.0	SR12	8/19/2017 21:41	30.00	82.4	6.24	6.3
SR12	8/19/2017 3:46	29.49	84.0	6.36	6.4	SR12	8/19/2017 9:46	29.51	70.9	5.37	8.1	SR12	8/19/2017 15:46	30.39	89.0	6.74	7.9	SR12	8/19/2017 21:46	30.01	76.8	5.82	6.5
SR12	8/19/2017 3:51	29.36	79.6	6.03	7.1	SR12	8/19/2017 9:51	29.55	70.4	5.33	7.1	SR12	8/19/2017 15:51	30.36	90.0	6.82	7.2						

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	8/19/2017 0:00	29.64	74.8	5.67	7.1	SR13	8/19/2017 6:00	29.16	72.7	5.51	6.4	SR13	8/19/2017 12:00	29.79	92.5	7.01	6.0	SR13	8/19/2017 18:00	30.33	88.7	6.72	5.8
SR13	8/19/2017 0:05	29.64	81.0	6.14	6.7	SR13	8/19/2017 6:05	29.13	79.1	5.99	6.8	SR13	8/19/2017 12:05	29.80	95.3	7.22	7.0	SR13	8/19/2017 18:05	30.30	84.1	6.37	6.0
SR13	8/19/2017 0:10	29.59	81.8	6.20	7.3	SR13	8/19/2017 6:10	29.10	76.8	5.82	6.1	SR13	8/19/2017 12:10	29.83	95.0	7.20	6.1	SR13	8/19/2017 18:10	30.29	82.1	6.22	6.4
SR13	8/19/2017 0:15	29.61	75.4	5.71	5.5	SR13	8/19/2017 6:15	29.11	78.4	5.94	6.2	SR13	8/19/2017 12:15	29.89	95.4	7.23	6.0	SR13	8/19/2017 18:15	30.27	85.5	6.48	5.2
SR13	8/19/2017 0:20	29.61	75.2	5.70	6.8	SR13	8/19/2017 6:20	29.11	80.9	6.13	7.4	SR13	8/19/2017 12:20	29.92	94.8	7.18	5.7	SR13	8/19/2017 18:20	30.24	84.9	6.43	6.6
SR13	8/19/2017 0:25	29.60	81.4	6.17	5.9	SR13	8/19/2017 6:25	29.12	81.8	6.20	6.6	SR13	8/19/2017 12:25	29.93	86.7	6.57	6.5	SR13	8/19/2017 18:25	30.23	78.3	5.93	5.4
SR13	8/19/2017 0:30	29.60	81.6	6.18	5.5	SR13	8/19/2017 6:30	29.19	84.6	6.41	6.2	SR13	8/19/2017 12:30	29.95	86.2	6.53	5.7	SR13	8/19/2017 18:30	30.23	73.3	5.55	6.3
SR13	8/19/2017 0:35	29.57	72.6	5.50	5.3	SR13	8/19/2017 6:35	29.24	80.9	6.13	7.8	SR13	8/19/2017 12:35	29.93	87.4	6.62	6.0	SR13	8/19/2017 18:35	30.34	90.0	6.82	6.3
SR13	8/19/2017 0:40	29.59	79.3	6.01	5.2	SR13	8/19/2017 6:40	29.21	78.8	5.97	8.2	SR13	8/19/2017 12:40	29.93	96.1	7.28	6.4	SR13	8/19/2017 18:40	30.43	88.7	6.72	7.0
SR13	8/19/2017 0:45	29.58	75.1	5.69	7.1	SR13	8/19/2017 6:45	29.19	80.3	6.08	7.3	SR13	8/19/2017 12:45	29.92	96.1	7.28	6.6	SR13	8/19/2017 18:45	30.40	91.6	6.94	7.3
SR13	8/19/2017 0:50	29.55	77.9	5.90	6.1	SR13	8/19/2017 6:50	29.16	77.5	5.87	8.1	SR13	8/19/2017 12:50	29.89	90.0	6.82	6.5	SR13	8/19/2017 18:50	30.39	92.7	7.02	6.7
SR13	8/19/2017 0:55	29.52	76.6	5.80	6.9	SR13	8/19/2017 6:55	29.14	77.6	5.88	5.4	SR13	8/19/2017 12:55	29.85	93.2	7.06	6.4	SR13	8/19/2017 18:55	30.43	89.5	6.78	5.7
SR13	8/19/2017 1:00	29.40	77.6	5.88	6.0	SR13	8/19/2017 7:00	28.95	82.5	6.25	8.0	SR13	8/19/2017 13:00	29.88	87.3	6.61	5.5	SR13	8/19/2017 19:00	30.41	89.0	6.74	5.8
SR13	8/19/2017 1:05	29.46	80.8	6.12	6.5	SR13	8/19/2017 7:05	28.91	76.7	5.81	6.9	SR13	8/19/2017 13:05	29.86	90.6	6.86	5.7	SR13	8/19/2017 19:05	30.41	89.1	6.75	6.2
SR13	8/19/2017 1:10	29.46	73.4	5.56	6.3	SR13	8/19/2017 7:10	28.90	76.8	5.82	8.1	SR13	8/19/2017 13:10	29.87	89.5	6.78	6.1	SR13	8/19/2017 19:10	30.45	91.1	6.90	5.8
SR13	8/19/2017 1:15	29.44	79.2	6.00	5.7	SR13	8/19/2017 7:15	28.82	81.3	6.16	5.2	SR13	8/19/2017 13:15	29.89	84.1	6.37	5.7	SR13	8/19/2017 19:15	30.45	92.0	6.97	6.9
SR13	8/19/2017 1:20	29.44	74.1	5.61	6.8	SR13	8/19/2017 7:20	28.80	77.2	5.85	7.9	SR13	8/19/2017 13:20	29.97	88.7	6.72	6.4	SR13	8/19/2017 19:20	30.46	84.3	6.39	6.0
SR13	8/19/2017 1:25	29.42	74.8	5.67	6.1	SR13	8/19/2017 7:25	28.76	82.0	6.21	5.9	SR13	8/19/2017 13:25	30.12	80.8	6.12	6.5	SR13	8/19/2017 19:25	30.45	87.9	6.66	6.5
SR13	8/19/2017 1:30	29.42	78.3	5.93	6.4	SR13	8/19/2017 7:30	28.79	81.0	6.14	6.0	SR13	8/19/2017 13:30	30.04	81.2	6.15	6.5	SR13	8/19/2017 19:30	30.44	89.0	6.74	6.0
SR13	8/19/2017 1:35	29.41	78.1	5.92	5.8	SR13	8/19/2017 7:35	28.75	80.8	6.12	5.3	SR13	8/19/2017 13:35	30.00	83.2	6.30	7.4	SR13	8/19/2017 19:35	30.42	89.5	6.78	6.4
SR13	8/19/2017 1:40	29.39	79.6	6.03	7.1	SR13	8/19/2017 7:40	28.79	78.9	5.98	7.2	SR13	8/19/2017 13:40	30.15	83.3	6.31	5.7	SR13	8/19/2017 19:40	30.40	91.7	6.95	5.0
SR13	8/19/2017 1:45	29.38	79.1	5.99	5.3	SR13	8/19/2017 7:45	28.84	81.4	6.17	7.2	SR13	8/19/2017 13:45	30.02	85.7	6.49	7.1	SR13	8/19/2017 19:45	30.39	87.9	6.66	5.2
SR13	8/19/2017 1:50	29.37	81.3	6.16	6.7	SR13	8/19/2017 7:50	29.04	84.7	6.42	7.2	SR13	8/19/2017 13:50	29.93	92.8	7.03	5.5	SR13	8/19/2017 19:50	30.37	84.6	6.41	5.4
SR13	8/19/2017 1:55	29.33	80.7	6.11	8.0	SR13	8/19/2017 7:55	29.11	81.6	6.18	8.1	SR13	8/19/2017 13:55	29.91	88.0	6.67	6.1	SR13	8/19/2017 19:55	30.35	91.1	6.90	4.9
SR13	8/19/2017 2:00	29.32	82.5	6.25	7.6	SR13	8/19/2017 8:00	29.05	79.7	6.04	6.5	SR13	8/19/2017 14:00	29.94	90.2	6.83	5.5	SR13	8/19/2017 20:00	30.34	83.2	6.30	6.7
SR13	8/19/2017 2:05	29.33	77.0	5.83	6.3	SR13	8/19/2017 8:05	29.09	77.0	5.83	7.2	SR13	8/19/2017 14:05	29.91	93.1	7.05	6.6	SR13	8/19/2017 20:05	30.33	92.3	6.99	6.1
SR13	8/19/2017 2:10	29.44	90.4	6.85	7.3	SR13	8/19/2017 8:10	29.11	81.4	6.17	5.8	SR13	8/19/2017 14:10	29.94	93.6	7.09	5.4	SR13	8/19/2017 20:10	30.33	86.2	6.53	6.5
SR13	8/19/2017 2:15	29.53	91.9	6.96	5.7	SR13	8/19/2017 8:15	29.11	80.4	6.09	6.2	SR13	8/19/2017 14:15	29.94	97.8	7.41	6.4	SR13	8/19/2017 20:15	30.28	92.8	7.03	6.6
SR13	8/19/2017 2:20	29.59	91.9	6.96	5.0	SR13	8/19/2017 8:20	29.08	79.2	6.00	6.3	SR13	8/19/2017 14:20	29.90	92.1	6.98	7.0	SR13	8/19/2017 20:20	30.25	89.9	6.81	6.6
SR13	8/19/2017 2:25	29.62	87.6	6.64	5.4	SR13	8/19/2017 8:25	29.01	81.8	6.20	6.3	SR13	8/19/2017 14:25	29.84	98.6	7.47	6.0	SR13	8/19/2017 20:25	30.21	94.0	7.12	5.5
SR13	8/19/2017 2:30	29.62	96.1	7.28	5.0	SR13	8/19/2017 8:30	28.99	74.7	5.66	7.9	SR13	8/19/2017 14:30	29.85	92.1	6.98	5.8	SR13	8/19/2017 20:30	30.18	85.3	6.46	6.0
SR13	8/19/2017 2:35	29.62	91.2	6.91	6.4	SR13	8/19/2017 8:35	28.93	78.7	5.96	6.0	SR13	8/19/2017 14:35	29.61	95.2	7.21	7.1	SR13	8/19/2017 20:35	30.18	92.7	7.02	5.3
SR13	8/19/2017 2:40	29.62	85.1	6.45	4.8	SR13	8/19/2017 8:40	28.91	78.5	5.95	6.4	SR13	8/19/2017 14:40	29.60	99.0	7.50	7.5	SR13	8/19/2017 20:40	30.17	85.8	6.50	6.0
SR13	8/19/2017 2:45	29.60	92.7	7.02	7.2	SR13	8/19/2017 8:45	28.99	80.9	6.13	5.6	SR13	8/19/2017 14:45	29.42	93.6	7.09	7.9	SR13	8/19/2017 20:45	30.16	90.4	6.85	5.1
SR13	8/19/2017 2:50	29.60	89.0	6.74	6.1	SR13	8/19/2017 8:50	29.18	86.5	6.55	5.9	SR13	8/19/2017 14:50	29.63	101.1	7.66	6.5	SR13	8/19/2017 20:50	30.16	85.0	6.44	5.3
SR13	8/19/2017 2:55	29.59	91.7	6.95	6.7	SR13	8/19/2017 8:55	29.16	84.6	6.41	5.3	SR13	8/19/2017 14:55	29.76	95.6	7.24	6.0	SR13	8/19/2017 20:55	30.16	85.4	6.47	5.3
SR13	8/19/2017 3:00	29.60	88.3	6.69	6.1	SR13	8/19/2017 9:00	29.13	79.7	6.04	6.7	SR13	8/19/2017 15:00	29.61	97.3	7.37	5.9	SR13	8/19/2017 21:00	30.13	82.6	6.26	4.7
SR13	8/19/2017 3:05	29.58	91.1	6.90	5.9	SR13	8/19/2017 9:05	29.06	75.6	5.73	7.4	SR13	8/19/2017 15:05	29.81	92.0	6.97	6.7	SR13	8/19/2017 21:05	30.11	87.4	6.62	6.2
SR13	8/19/2017 3:10	29.40	87.8	6.65	7.6	SR13	8/19/2017 9:10	29.05	84.9	6.43	7.5	SR13	8/19/2017 15:10	29.75	96.4	7.30	5.5	SR13	8/19/2017 21:10	30.12	82.4	6.24	5.6
SR13	8/19/2017 3:15	29.34	82.1	6.22	6.4	SR13	8/19/2017 9:15	29.29	84.0	6.36	5.9	SR13	8/19/2017 15:15	29.93	91.7	6.95	6.3	SR13	8/19/2017 21:15	30.11	83.6	6.33	6.5
SR13	8/19/2017 3:20	29.36	82.1	6.22	6.9	SR13	8/19/2017 9:20	29.50	79.9	6.05	6.2	SR13	8/19/2017 15:20	29.91	97.0	7.35	6.5	SR13	8/19/2017 21:20	30.11	90.0	6.82	6.7
SR13	8/19/2017 3:25	29.40	86.2	6.53	5.3	SR13	8/19/2017 9:25	29.46	77.7	5.89	5.5	SR13	8/19/2017 15:25	30.02	93.3	7.07	5.8	SR13	8/19/2017 21:25	30.08	88.0	6.67	5.3
SR13	8/19/2017 3:30	29.45	86.3	6.54	6.8	SR13	8/19/2017 9:30	29.52	76.3	5.78	5.8	SR13	8/19/2017 15:30	30.07	96.2	7.29	6.3	SR13	8/19/2017 21:30	30.07	83.0	6.29	5.3
SR13	8/19/2017 3:35	29.43	82.9	6.28	6.2	SR13	8/19/2017 9:35	29.50	79.3	6.01	6.3	SR13	8/19/2017 15:35	30.12	95.8	7.26	6.6	SR13	8/19/2017 21:35	30.05	84.6	6.41	5.5
SR13	8/19/2017 3:40	29.45	84.3	6.39	5.5	SR13	8/19/2017 9:40	29.46	84.6	6.41	6.1	SR13	8/19/2017 15:40	30.19	88.4	6.70	5.6	SR13	8/19/2017 21:40	29.99	92.0	6.97	6.3
SR13	8/19/2017 3:45	29.49	92.5	7.01	5.7	SR13	8/19/2017 9:45	29.47	82.1	6.22	6.6	SR13	8/19/2017 15:45	30.21	88.8	6.73	6.7	SR13	8/19/2017 21:45	30.01	93.7	7.10	6.5
SR13	8/19/2017 3:50	29.52	87.1	6.60	6.0	SR13	8/19/2017 9:50	29.41	82.6	6.26	6.5	SR13	8/19/2017 15:50	30.24									

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/19/2017 0:17	0.09				SR12	8/19/2017 0:17	0.16			
SR4	8/19/2017 0:37	0.10				SR12	8/19/2017 0:37	0.16			
SR4	8/19/2017 0:57	0.07				SR12	8/19/2017 0:57	0.14			
SR4	8/19/2017 1:17	0.10				SR12	8/19/2017 1:17	0.15			
SR4	8/19/2017 1:37	0.10				SR12	8/19/2017 1:37	0.14			
SR4	8/19/2017 1:57	0.08				SR12	8/19/2017 1:57	0.17			
SR4	8/19/2017 2:17	0.10				SR12	8/19/2017 2:17	0.16			
SR4	8/19/2017 2:37	0.09				SR12	8/19/2017 2:37	0.19			
SR4	8/19/2017 2:57	0.07				SR12	8/19/2017 2:57	0.14			
SR4	8/19/2017 3:17	0.08				SR12	8/19/2017 3:17	0.14			
SR4	8/19/2017 3:37	0.09				SR12	8/19/2017 3:37	0.14			
SR4	8/19/2017 3:57	0.08				SR12	8/19/2017 3:57	0.20			
SR4	8/19/2017 4:17	0.10				SR12	8/19/2017 4:17	0.19			
SR4	8/19/2017 4:37	0.07				SR12	8/19/2017 4:37	0.17			
SR4	8/19/2017 4:57	0.09				SR12	8/19/2017 4:57	0.18			
SR4	8/19/2017 5:17	0.09				SR12	8/19/2017 5:17	0.14			
SR4	8/19/2017 5:37	0.07				SR12	8/19/2017 5:37	0.16			
SR4	8/19/2017 5:57	0.09				SR12	8/19/2017 5:57	0.16			
SR4						SR12					
SR4	8/19/2017 6:37	0.09				SR12	8/19/2017 6:37	0.15			
SR4	8/19/2017 6:57	0.12				SR12	8/19/2017 6:57	0.16			
SR4	8/19/2017 7:17	0.10				SR12	8/19/2017 7:17	0.18			
SR4	8/19/2017 7:37	0.12				SR12	8/19/2017 7:37	0.15			
SR4	8/19/2017 7:57	0.11				SR12	8/19/2017 7:57	0.14			
SR4	8/19/2017 8:17	0.09				SR12	8/19/2017 8:17	0.19			
SR4	8/19/2017 8:37	0.12				SR12	8/19/2017 8:37	0.17			
SR4	8/19/2017 8:57	0.12				SR12	8/19/2017 8:57	0.19			
SR4	8/19/2017 9:17	0.11				SR12	8/19/2017 9:17	0.19			
SR4	8/19/2017 9:37	0.11				SR12	8/19/2017 9:37	0.17			
SR4	8/19/2017 9:57	0.12				SR12	8/19/2017 9:57	0.17			
SR4	8/19/2017 10:17	0.11				SR12	8/19/2017 10:17	0.15			
SR4	8/19/2017 10:37	0.10				SR12	8/19/2017 10:37	0.18			
SR4	8/19/2017 10:57	0.12				SR12	8/19/2017 10:57	0.19			
SR4	8/19/2017 11:17	0.12				SR12	8/19/2017 11:17	0.20			
SR4	8/19/2017 11:37	0.12				SR12	8/19/2017 11:37	0.20			
SR4	8/19/2017 11:57	0.13				SR12	8/19/2017 11:57	0.18			
SR4	8/19/2017 12:17	0.12				SR12	8/19/2017 12:17	0.16			
SR4	8/19/2017 12:37	0.12				SR12	8/19/2017 12:37	0.20			
SR4	8/19/2017 12:57	0.11				SR12	8/19/2017 12:57	0.14			
SR4	8/19/2017 13:17	0.12				SR12	8/19/2017 13:17	0.14			
SR4	8/19/2017 13:37	0.12				SR12	8/19/2017 13:37	0.14			
SR4	8/19/2017 13:57	0.14				SR12	8/19/2017 13:57	0.18			
SR4	8/19/2017 14:17	0.11				SR12	8/19/2017 14:17	0.14			
SR4	8/19/2017 14:37	0.13				SR12	8/19/2017 14:37	0.14			
SR4	8/19/2017 14:57	0.14				SR12	8/19/2017 14:57	0.15			
SR4	8/19/2017 15:17	0.14				SR12	8/19/2017 15:17	0.15			
SR4	8/19/2017 15:37	0.12				SR12	8/19/2017 15:37	0.19			
SR4	8/19/2017 15:57	0.12				SR12	8/19/2017 15:57	0.14			
SR4	8/19/2017 16:17	0.13				SR12	8/19/2017 16:17	0.11			
SR4	8/19/2017 16:37	0.12				SR12	8/19/2017 16:37	0.08			
SR4	8/19/2017 16:57	0.13				SR12	8/19/2017 16:57	0.12			
SR4	8/19/2017 17:17	0.13				SR12	8/19/2017 17:17	0.11			
SR4	8/19/2017 17:37	0.12				SR12	8/19/2017 17:37	0.12			
SR4	8/19/2017 17:57	0.14				SR12	8/19/2017 17:57	0.11			
SR4	8/19/2017 18:17	0.12				SR12	8/19/2017 18:17	0.10			
SR4	8/19/2017 18:37	0.14				SR12	8/19/2017 18:37	0.12			
SR4	8/19/2017 18:57	0.11				SR12	8/19/2017 18:57	0.09			
SR4	8/19/2017 19:17	0.13				SR12	8/19/2017 19:17	0.09			
SR4	8/19/2017 19:37	0.14				SR12	8/19/2017 19:37	0.11			
SR4	8/19/2017 19:57	0.11				SR12	8/19/2017 19:57	0.11			
SR4	8/19/2017 20:17	0.12				SR12	8/19/2017 20:17	0.11			
SR4	8/19/2017 20:37	0.13				SR12	8/19/2017 20:37	0.08			
SR4	8/19/2017 20:57	0.11				SR12	8/19/2017 20:57	0.09			
SR4	8/19/2017 21:17	0.11				SR12	8/19/2017 21:17	0.09			
SR4	8/19/2017 21:37	0.13				SR12	8/19/2017 21:37	0.12			
SR4	8/19/2017 21:57	0.12				SR12	8/19/2017 21:57	0.11			
SR4	8/19/2017 22:17	0.13				SR12	8/19/2017 22:17	0.09			
SR4	8/19/2017 22:37	0.11				SR12	8/19/2017 22:37	0.11			
SR4	8/19/2017 22:57	0.14				SR12	8/19/2017 22:57	0.08			
SR4	8/19/2017 23:17	0.14				SR12	8/19/2017 23:17	0.08			
SR4	8/19/2017 23:37	0.12				SR12	8/19/2017 23:37	0.12			
SR4	8/19/2017 23:57	0.11				SR12	8/19/2017 23:57	0.11			

Remark: Fonts with underline: Action Level Exceedance

**Fonts in Bold with underline: Limit Level Exceedance**

Automatic Instrument calibration of NH<sub>3</sub>-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	8/20/2017 0:01	29.61	82.6	6.26	6.8	SR4	8/20/2017 6:01	29.22	78.8	5.97	5.9	SR4	8/20/2017 12:01	29.84	82.4	6.24	6.3	SR4	8/20/2017 18:01	30.33	75.6	5.73	5.3
SR4	8/20/2017 0:06	29.57	79.1	5.99	5.8	SR4	8/20/2017 6:06	29.21	73.0	5.53	5.7	SR4	8/20/2017 12:06	29.97	80.8	6.12	6.7	SR4	8/20/2017 18:06	30.33	78.3	5.93	6.7
SR4	8/20/2017 0:11	29.55	82.8	6.27	5.7	SR4	8/20/2017 6:11	29.18	73.8	5.59	7.3	SR4	8/20/2017 12:11	30.20	82.6	6.26	5.9	SR4	8/20/2017 18:11	30.33	70.4	5.33	7.3
SR4	8/20/2017 0:16	29.50	82.6	6.26	7.1	SR4	8/20/2017 6:16	29.20	69.3	5.25	6.1	SR4	8/20/2017 12:16	29.84	85.9	6.51	5.9	SR4	8/20/2017 18:16	30.33	72.9	5.52	6.2
SR4	8/20/2017 0:21	29.48	76.4	5.79	8.5	SR4	8/20/2017 6:21	29.24	78.5	5.95	5.6	SR4	8/20/2017 12:21	29.98	90.4	6.85	6.9	SR4	8/20/2017 18:21	30.32	79.5	6.02	6.3
SR4	8/20/2017 0:26	29.44	80.1	6.07	7.2	SR4	8/20/2017 6:26	29.30	74.8	5.67	7.8	SR4	8/20/2017 12:26	29.72	92.3	6.99	6.3	SR4	8/20/2017 18:26	30.30	73.7	5.58	7.0
SR4	8/20/2017 0:31	29.40	80.4	6.09	6.6	SR4	8/20/2017 6:31	29.33	72.1	5.46	5.5	SR4	8/20/2017 12:31	29.88	92.1	6.98	5.3	SR4	8/20/2017 18:31	30.27	76.6	5.80	5.8
SR4	8/20/2017 0:36	29.39	73.1	5.54	6.4	SR4	8/20/2017 6:36	29.33	81.4	6.17	7.1	SR4	8/20/2017 12:36	30.03	91.2	6.91	7.6	SR4	8/20/2017 18:36	30.26	75.4	5.71	7.6
SR4	8/20/2017 0:41	29.41	76.8	5.82	6.3	SR4	8/20/2017 6:41	29.38	77.2	5.85	8.5	SR4	8/20/2017 12:41	30.35	93.3	7.07	5.8	SR4	8/20/2017 18:41	30.25	76.7	5.81	7.3
SR4	8/20/2017 0:46	29.38	77.6	5.88	5.8	SR4	8/20/2017 6:46	29.34	72.2	5.47	6.0	SR4	8/20/2017 12:46	30.29	88.0	6.67	5.8	SR4	8/20/2017 18:46	30.24	72.9	5.52	6.3
SR4	8/20/2017 0:51	29.47	74.4	5.64	8.5	SR4	8/20/2017 6:51	29.37	81.7	6.19	7.0	SR4	8/20/2017 12:51	30.43	93.1	7.05	7.6	SR4	8/20/2017 18:51	30.24	76.3	5.78	6.2
SR4	8/20/2017 0:56	29.50	72.3	5.48	7.1	SR4	8/20/2017 6:56	29.38	73.7	5.58	7.2	SR4	8/20/2017 12:56	30.35	89.9	6.81	7.0	SR4	8/20/2017 18:56	30.24	77.2	5.85	7.1
SR4	8/20/2017 1:01	29.48	68.6	5.20	8.3	SR4	8/20/2017 7:01	29.38	75.9	5.75	6.8	SR4	8/20/2017 13:01	29.95	86.6	6.56	5.7	SR4	8/20/2017 19:01	30.24	78.1	5.92	7.1
SR4	8/20/2017 1:06	29.43	74.2	5.62	7.2	SR4	8/20/2017 7:06	29.41	76.7	5.81	7.2	SR4	8/20/2017 13:06	29.92	87.1	6.60	5.7	SR4	8/20/2017 19:06	30.30	79.1	5.99	7.8
SR4	8/20/2017 1:11	29.39	77.9	5.90	6.6	SR4	8/20/2017 7:11	29.39	82.1	6.22	8.2	SR4	8/20/2017 13:11	29.82	90.4	6.85	5.3	SR4	8/20/2017 19:11	30.31	73.1	5.54	8.6
SR4	8/20/2017 1:16	29.36	69.2	5.24	6.3	SR4	8/20/2017 7:16	29.43	75.2	5.70	7.2	SR4	8/20/2017 13:16	30.03	89.4	6.77	8.6	SR4	8/20/2017 19:16	30.40	77.6	5.88	6.1
SR4	8/20/2017 1:21	29.32	72.7	5.51	8.3	SR4	8/20/2017 7:21	29.39	77.4	5.86	6.0	SR4	8/20/2017 13:21	30.29	92.0	6.97	8.1	SR4	8/20/2017 19:21	30.49	87.4	6.62	7.8
SR4	8/20/2017 1:26	29.30	73.9	5.60	5.9	SR4	8/20/2017 7:26	29.32	75.6	5.73	6.9	SR4	8/20/2017 13:26	30.43	84.0	6.36	6.4	SR4	8/20/2017 19:26	30.47	77.1	5.84	6.5
SR4	8/20/2017 1:31	29.27	75.0	5.68	6.3	SR4	8/20/2017 7:31	29.29	76.6	5.80	7.2	SR4	8/20/2017 13:31	30.15	84.7	6.42	6.2	SR4	8/20/2017 19:31	30.50	80.8	6.12	7.8
SR4	8/20/2017 1:36	29.26	71.1	5.39	6.8	SR4	8/20/2017 7:36	29.27	79.6	6.03	8.3	SR4	8/20/2017 13:36	30.42	78.1	5.92	6.0	SR4	8/20/2017 19:36	30.53	77.6	5.88	5.5
SR4	8/20/2017 1:41	29.21	73.4	5.56	8.2	SR4	8/20/2017 7:41	29.27	82.5	6.25	6.3	SR4	8/20/2017 13:41	30.37	83.6	6.33	7.9	SR4	8/20/2017 19:41	30.56	82.6	6.26	7.6
SR4	8/20/2017 1:46	29.19	68.1	5.16	8.1	SR4	8/20/2017 7:46	29.26	78.4	5.94	7.4	SR4	8/20/2017 13:46	30.45	78.4	5.94	6.0	SR4	8/20/2017 19:46	30.55	81.7	6.19	6.5
SR4	8/20/2017 1:51	29.27	72.7	5.51	8.3	SR4	8/20/2017 7:51	29.18	73.7	5.58	6.3	SR4	8/20/2017 13:51	30.25	87.9	6.66	8.5	SR4	8/20/2017 19:51	30.56	80.3	6.08	7.0
SR4	8/20/2017 1:56	29.23	66.0	5.00	7.0	SR4	8/20/2017 7:56	29.09	70.6	5.35	6.8	SR4	8/20/2017 13:56	30.47	85.5	6.48	5.4	SR4	8/20/2017 19:56	30.57	83.2	6.30	5.7
SR4	8/20/2017 2:01	29.18	66.7	5.05	8.1	SR4	8/20/2017 8:01	29.09	73.5	5.57	7.0	SR4	8/20/2017 14:01	30.55	83.3	6.31	6.2	SR4	8/20/2017 20:01	30.55	87.9	6.66	6.3
SR4	8/20/2017 2:06	29.19	69.4	5.26	8.1	SR4	8/20/2017 8:06	28.98	73.0	5.53	6.4	SR4	8/20/2017 14:06	30.26	83.7	6.34	6.5	SR4	8/20/2017 20:06	30.50	84.2	6.38	5.8
SR4	8/20/2017 2:11	29.17	77.2	5.85	6.6	SR4	8/20/2017 8:11	29.10	78.1	5.92	7.8	SR4	8/20/2017 14:11	30.31	85.3	6.46	5.8	SR4	8/20/2017 20:11	30.32	84.0	6.36	6.7
SR4	8/20/2017 2:16	29.24	71.3	5.40	6.2	SR4	8/20/2017 8:16	29.00	78.5	5.95	8.1	SR4	8/20/2017 14:16	30.56	79.9	6.05	6.9	SR4	8/20/2017 20:16	30.26	82.0	6.21	6.0
SR4	8/20/2017 2:21	29.51	81.3	6.16	7.7	SR4	8/20/2017 8:21	29.02	79.7	6.04	8.4	SR4	8/20/2017 14:21	30.55	79.9	6.05	8.4	SR4	8/20/2017 20:21	30.27	81.6	6.18	6.9
SR4	8/20/2017 2:26	29.51	78.3	5.93	7.3	SR4	8/20/2017 8:26	28.91	79.3	6.01	6.7	SR4	8/20/2017 14:26	30.49	88.2	6.68	7.3	SR4	8/20/2017 20:26	30.21	84.2	6.38	6.5
SR4	8/20/2017 2:31	29.48	82.4	6.24	6.8	SR4	8/20/2017 8:31	28.97	77.0	5.83	8.3	SR4	8/20/2017 14:31	30.42	83.7	6.34	5.8	SR4	8/20/2017 20:31	30.20	81.7	6.19	5.5
SR4	8/20/2017 2:36	29.39	86.6	6.56	5.4	SR4	8/20/2017 8:36	28.93	80.9	6.13	5.3	SR4	8/20/2017 14:36	30.40	90.6	6.86	8.2	SR4	8/20/2017 20:36	30.15	84.5	6.40	5.6
SR4	8/20/2017 2:41	29.45	88.3	6.69	8.6	SR4	8/20/2017 8:41	28.95	81.6	6.18	6.6	SR4	8/20/2017 14:41	30.35	79.6	6.03	7.3	SR4	8/20/2017 20:41	30.15	76.4	5.79	5.9
SR4	8/20/2017 2:46	29.46	83.7	6.34	6.7	SR4	8/20/2017 8:46	28.95	75.6	5.73	8.0	SR4	8/20/2017 14:46	30.27	82.8	6.27	6.3	SR4	8/20/2017 20:46	30.14	79.6	6.03	5.9
SR4	8/20/2017 2:51	29.43	82.5	6.25	6.2	SR4	8/20/2017 8:51	28.95	74.6	5.65	7.6	SR4	8/20/2017 14:51	30.22	79.6	6.03	5.8	SR4	8/20/2017 20:51	30.19	75.2	5.70	5.1
SR4	8/20/2017 2:56	29.37	77.1	5.84	5.6	SR4	8/20/2017 8:56	28.96	76.3	5.78	6.7	SR4	8/20/2017 14:56	30.23	89.5	6.78	6.7	SR4	8/20/2017 20:56	30.18	79.1	5.99	6.8
SR4	8/20/2017 3:01	29.43	81.0	6.14	7.5	SR4	8/20/2017 9:01	28.98	77.2	5.85	7.7	SR4	8/20/2017 15:01	30.21	88.7	6.72	7.2	SR4	8/20/2017 21:01	30.18	75.8	5.74	4.2
SR4	8/20/2017 3:06	29.50	86.2	6.53	6.1	SR4	8/20/2017 9:06	28.99	78.3	5.93	8.3	SR4	8/20/2017 15:06	30.24	85.4	6.47	8.3	SR4	8/20/2017 21:06	30.18	82.6	6.26	6.2
SR4	8/20/2017 3:11	29.41	81.6	6.18	7.7	SR4	8/20/2017 9:11	29.19	81.7	6.19	6.9	SR4	8/20/2017 15:11	30.35	80.9	6.13	8.5	SR4	8/20/2017 21:11	30.17	79.5	6.02	5.9
SR4	8/20/2017 3:16	29.39	76.0	5.76	5.8	SR4	8/20/2017 9:16	29.24	81.7	6.19	5.8	SR4	8/20/2017 15:16	30.29	85.1	6.45	6.5	SR4	8/20/2017 21:16	30.15	78.0	5.91	6.3
SR4	8/20/2017 3:21	29.40	80.4	6.09	6.0	SR4	8/20/2017 9:21	29.26	77.7	5.89	5.4	SR4	8/20/2017 15:21	30.26	79.9	6.05	6.3	SR4	8/20/2017 21:21	30.12	79.1	5.99	4.5
SR4	8/20/2017 3:26	29.42	83.4	6.32	5.4	SR4	8/20/2017 9:26	29.21	75.0	5.68	6.6	SR4	8/20/2017 15:26	30.36	85.1	6.45	8.4	SR4	8/20/2017 21:26	30.09	76.6	5.80	6.1
SR4	8/20/2017 3:31	29.41	79.9	6.05	6.6	SR4	8/20/2017 9:31	29.14	82.4	6.24	6.0	SR4	8/20/2017 15:31	30.39	84.6	6.41	8.4	SR4	8/20/2017 21:31	30.07	86.1	6.52	4.9
SR4	8/20/2017 3:36	29.41	84.1	6.37	7.0	SR4	8/20/2017 9:36	29.26	79.7	6.04	6.6	SR4	8/20/2017 15:36	30.36	82.4	6.24	8.3	SR4	8/20/2017 21:36	30.07	83.8	6.35	6.4
SR4	8/20/2017 3:41	29.43	75.9	5.75	6.3	SR4	8/20/2017 9:41	29.11	74.2	5.62	5.9	SR4	8/20/2017 15:41	30.39	85.4	6.47	7.7	SR4	8/20/2017 21:41	30.08	83.6	6.33	5.8
SR4	8/20/2017 3:46	29.44	74.7	5.66	8.6	SR4	8/20/2017 9:46	29.04	79.6	6.03	7.7	SR4	8/20/2017 15:46	30.35	89.4	6.77	6.2	SR4	8/20/2017 21:46	30.08	79.1	5.99	5.4
SR4	8/20/2017 3:51	29.43	79.0	5.76	5.8	SR4	8/20/2017 9:51	28.99	76.3	5.78	6.8	SR4	8/20/2017 15:51	30.34	83.3	6.31	7.7	SR4	8/20/2017 21:51	30.08	77.7	5.89	5.3
SR4	8/20/2017 3:56	29.40	76.2	6.00	7.1	SR4	8/20/2017 9:56	28.97	78.3	5.93													

## 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	8/20/2017 0:00	29.59	88.0	6.67	6.1	SR5	8/20/2017 6:00	29.50	83.0	6.29	8.0	SR5	8/20/2017 12:00	29.82	86.7	6.57	7.1	SR5	8/20/2017 18:00	30.24	79.6	6.03	7.7
SR5	8/20/2017 0:05	29.56	85.5	6.48	7.3	SR5	8/20/2017 6:05	29.49	80.0	6.06	6.2	SR5	8/20/2017 12:05	30.21	82.0	6.21	7.3	SR5	8/20/2017 18:05	30.12	77.1	5.84	8.7
SR5	8/20/2017 0:10	29.55	80.9	6.13	4.9	SR5	8/20/2017 6:10	29.44	84.6	6.41	5.4	SR5	8/20/2017 12:10	29.96	89.0	6.74	6.8	SR5	8/20/2017 18:10	30.07	74.4	5.64	6.9
SR5	8/20/2017 0:15	29.53	88.7	6.72	8.1	SR5	8/20/2017 6:15	29.40	77.5	5.87	5.6	SR5	8/20/2017 12:15	29.98	81.2	6.15	6.8	SR5	8/20/2017 18:15	29.89	81.4	6.17	6.4
SR5	8/20/2017 0:20	29.50	80.8	6.12	5.6	SR5	8/20/2017 6:20	29.42	81.2	6.15	7.1	SR5	8/20/2017 12:20	30.04	88.0	6.67	8.0	SR5	8/20/2017 18:20	30.16	74.6	5.65	7.9
SR5	8/20/2017 0:25	29.50	80.5	6.10	7.6	SR5	8/20/2017 6:25	29.49	81.3	6.16	5.6	SR5	8/20/2017 12:25	30.03	87.0	6.59	8.5	SR5	8/20/2017 18:25	29.94	76.0	5.76	7.6
SR5	8/20/2017 0:30	29.49	80.7	6.11	6.6	SR5	8/20/2017 6:30	29.46	78.1	5.92	8.5	SR5	8/20/2017 12:30	29.88	90.3	6.84	7.7	SR5	8/20/2017 18:30	30.14	77.7	5.89	8.1
SR5	8/20/2017 0:35	29.47	84.0	6.36	7.3	SR5	8/20/2017 6:35	29.47	86.9	6.58	6.8	SR5	8/20/2017 12:35	30.06	86.6	6.56	8.8	SR5	8/20/2017 18:35	30.22	79.7	6.04	8.1
SR5	8/20/2017 0:40	29.46	84.3	6.39	7.5	SR5	8/20/2017 6:40	29.36	80.3	6.08	6.7	SR5	8/20/2017 12:40	30.00	89.0	6.74	7.3	SR5	8/20/2017 18:40	30.22	78.1	5.92	8.0
SR5	8/20/2017 0:45	29.47	87.6	6.64	8.0	SR5	8/20/2017 6:45	29.33	78.4	5.94	5.0	SR5	8/20/2017 12:45	29.98	96.2	7.29	7.8	SR5	8/20/2017 18:45	30.21	82.8	6.27	8.6
SR5	8/20/2017 0:50	29.47	84.9	6.43	7.2	SR5	8/20/2017 6:50	29.35	81.3	6.16	6.1	SR5	8/20/2017 12:50	30.18	91.7	6.95	8.2	SR5	8/20/2017 18:50	30.14	86.3	6.54	7.1
SR5	8/20/2017 0:55	29.47	82.4	6.24	7.3	SR5	8/20/2017 6:55	29.39	82.2	6.23	5.1	SR5	8/20/2017 12:55	30.14	95.0	7.20	8.6	SR5	8/20/2017 18:55	30.15	82.6	6.26	6.9
SR5	8/20/2017 1:00	29.46	87.0	6.59	6.6	SR5	8/20/2017 7:00	29.42	81.8	6.20	6.2	SR5	8/20/2017 13:00	30.04	91.9	6.96	6.9	SR5	8/20/2017 19:00	30.16	86.3	6.54	7.1
SR5	8/20/2017 1:05	29.45	86.7	6.57	5.3	SR5	8/20/2017 7:05	29.39	83.6	6.33	8.4	SR5	8/20/2017 13:05	29.91	84.3	6.39	7.7	SR5	8/20/2017 19:05	29.95	86.3	6.54	6.2
SR5	8/20/2017 1:10	29.45	87.9	6.66	8.1	SR5	8/20/2017 7:10	29.30	78.7	5.96	7.6	SR5	8/20/2017 13:10	29.90	84.7	6.42	7.8	SR5	8/20/2017 19:10	30.24	90.4	6.85	6.6
SR5	8/20/2017 1:15	29.44	82.4	6.24	8.3	SR5	8/20/2017 7:15	29.31	80.9	6.13	5.2	SR5	8/20/2017 13:15	30.04	92.5	7.01	6.9	SR5	8/20/2017 19:15	30.04	91.9	6.96	8.3
SR5	8/20/2017 1:20	29.44	79.7	6.04	7.0	SR5	8/20/2017 7:20	29.37	81.3	6.16	5.4	SR5	8/20/2017 13:20	29.92	84.2	6.38	7.2	SR5	8/20/2017 19:20	30.22	91.7	6.95	8.1
SR5	8/20/2017 1:25	29.44	86.9	6.58	8.0	SR5	8/20/2017 7:25	29.34	85.8	6.50	6.1	SR5	8/20/2017 13:25	29.83	89.9	6.81	7.0	SR5	8/20/2017 19:25	30.05	89.4	6.77	7.0
SR5	8/20/2017 1:30	29.44	83.3	6.31	6.3	SR5	8/20/2017 7:30	29.30	86.3	6.54	7.1	SR5	8/20/2017 13:30	29.93	82.9	6.28	6.8	SR5	8/20/2017 19:30	30.00	88.4	6.70	8.8
SR5	8/20/2017 1:35	29.43	82.6	6.26	5.4	SR5	8/20/2017 7:35	29.21	81.3	6.16	6.6	SR5	8/20/2017 13:35	30.13	86.3	6.54	8.5	SR5	8/20/2017 19:35	29.92	96.8	7.33	7.9
SR5	8/20/2017 1:40	29.41	84.9	6.43	7.2	SR5	8/20/2017 7:40	29.22	84.9	6.43	8.2	SR5	8/20/2017 13:40	30.12	78.0	5.91	7.1	SR5	8/20/2017 19:40	30.18	91.7	6.95	8.2
SR5	8/20/2017 1:45	29.39	76.8	5.82	5.7	SR5	8/20/2017 7:45	29.27	86.2	6.53	8.5	SR5	8/20/2017 13:45	29.99	84.6	6.41	7.3	SR5	8/20/2017 19:45	30.13	93.9	7.11	7.2
SR5	8/20/2017 1:50	29.37	77.9	5.90	7.3	SR5	8/20/2017 7:50	29.22	77.5	5.87	6.9	SR5	8/20/2017 13:50	30.21	82.2	6.23	8.8	SR5	8/20/2017 19:50	30.08	94.1	7.13	8.3
SR5	8/20/2017 1:55	29.35	80.5	6.10	6.9	SR5	8/20/2017 7:55	29.19	79.5	6.02	6.6	SR5	8/20/2017 13:55	29.96	89.4	6.77	7.4	SR5	8/20/2017 19:55	30.18	93.7	7.10	8.5
SR5	8/20/2017 2:00	29.29	76.7	5.81	4.9	SR5	8/20/2017 8:00	29.24	85.5	6.48	6.3	SR5	8/20/2017 14:00	29.93	83.3	6.31	7.6	SR5	8/20/2017 20:00	30.18	92.3	6.99	7.4
SR5	8/20/2017 2:05	29.25	79.2	6.00	5.7	SR5	8/20/2017 8:05	29.20	77.5	5.87	5.9	SR5	8/20/2017 14:05	29.95	91.2	6.91	7.1	SR5	8/20/2017 20:05	30.08	83.0	6.29	7.7
SR5	8/20/2017 2:10	29.24	76.4	5.79	7.7	SR5	8/20/2017 8:10	29.26	83.0	6.29	4.8	SR5	8/20/2017 14:10	30.03	82.8	6.27	8.4	SR5	8/20/2017 20:10	30.17	81.6	6.18	6.9
SR5	8/20/2017 2:15	29.17	74.4	5.64	6.2	SR5	8/20/2017 8:15	29.27	83.7	6.34	4.8	SR5	8/20/2017 14:15	29.88	89.4	6.77	8.6	SR5	8/20/2017 20:15	29.90	87.0	6.59	6.2
SR5	8/20/2017 2:20	29.40	79.6	6.03	5.1	SR5	8/20/2017 8:20	29.07	76.7	5.81	8.2	SR5	8/20/2017 14:20	30.19	90.6	6.86	7.9	SR5	8/20/2017 20:20	29.91	90.3	6.84	8.4
SR5	8/20/2017 2:25	29.47	82.8	6.27	4.8	SR5	8/20/2017 8:25	29.11	77.2	5.85	7.4	SR5	8/20/2017 14:25	30.10	89.5	6.78	8.6	SR5	8/20/2017 20:25	29.92	81.0	6.14	8.7
SR5	8/20/2017 2:30	29.41	82.0	6.21	6.6	SR5	8/20/2017 8:30	29.00	75.9	5.75	6.5	SR5	8/20/2017 14:30	30.11	89.6	6.79	8.8	SR5	8/20/2017 20:30	30.25	82.6	6.26	8.1
SR5	8/20/2017 2:35	29.40	84.9	6.43	6.7	SR5	8/20/2017 8:35	28.98	80.4	6.09	7.1	SR5	8/20/2017 14:35	30.24	84.1	6.37	7.1	SR5	8/20/2017 20:35	30.24	84.1	6.37	6.7
SR5	8/20/2017 2:40	29.40	85.9	6.51	7.8	SR5	8/20/2017 8:40	29.03	79.6	6.03	8.5	SR5	8/20/2017 14:40	30.25	86.5	6.55	8.4	SR5	8/20/2017 20:40	30.24	85.8	6.50	6.7
SR5	8/20/2017 2:45	29.44	81.4	6.17	6.4	SR5	8/20/2017 8:45	29.02	81.6	6.18	5.1	SR5	8/20/2017 14:45	30.24	81.3	6.16	8.6	SR5	8/20/2017 20:45	30.08	90.8	6.88	6.6
SR5	8/20/2017 2:50	29.42	80.4	6.09	7.0	SR5	8/20/2017 8:50	29.09	78.5	5.95	7.7	SR5	8/20/2017 14:50	30.17	85.0	6.44	8.2	SR5	8/20/2017 20:50	29.89	85.0	6.44	8.3
SR5	8/20/2017 2:55	29.34	76.3	5.78	8.3	SR5	8/20/2017 8:55	29.08	82.6	6.26	4.4	SR5	8/20/2017 14:55	30.17	83.0	6.29	8.7	SR5	8/20/2017 20:55	30.18	83.7	6.34	8.6
SR5	8/20/2017 3:00	29.40	81.4	6.17	5.6	SR5	8/20/2017 9:00	29.12	78.8	5.97	6.8	SR5	8/20/2017 15:00	30.16	90.2	6.83	7.1	SR5	8/20/2017 21:00	29.92	90.6	6.86	7.5
SR5	8/20/2017 3:05	29.46	85.0	6.44	5.2	SR5	8/20/2017 9:05	28.96	80.1	6.07	4.4	SR5	8/20/2017 15:05	30.21	85.0	6.44	8.4	SR5	8/20/2017 21:05	29.95	85.3	6.46	7.4
SR5	8/20/2017 3:10	29.42	79.7	6.04	5.7	SR5	8/20/2017 9:10	29.13	82.1	6.22	6.5	SR5	8/20/2017 15:10	30.25	89.4	6.77	6.3	SR5	8/20/2017 21:10	30.14	84.1	6.37	7.6
SR5	8/20/2017 3:15	29.37	86.3	6.54	6.5	SR5	8/20/2017 9:15	29.08	78.9	5.98	6.6	SR5	8/20/2017 15:15	30.24	90.8	6.88	7.5	SR5	8/20/2017 21:15	30.14	91.2	6.91	6.8
SR5	8/20/2017 3:20	29.39	83.8	6.35	4.4	SR5	8/20/2017 9:20	29.09	84.1	6.37	8.0	SR5	8/20/2017 15:20	30.18	88.8	6.73	6.9	SR5	8/20/2017 21:20	29.96	84.9	6.43	8.3
SR5	8/20/2017 3:25	29.42	87.3	6.61	6.5	SR5	8/20/2017 9:25	29.02	79.1	5.99	7.2	SR5	8/20/2017 15:25	30.24	88.7	6.72	6.6	SR5	8/20/2017 21:25	29.97	89.5	6.78	6.8
SR5	8/20/2017 3:30	29.41	80.7	6.11	8.2	SR5	8/20/2017 9:30	29.02	85.3	6.46	8.3	SR5	8/20/2017 15:30	30.25	81.7	6.19	8.1	SR5	8/20/2017 21:30	30.06	91.1	6.90	8.4
SR5	8/20/2017 3:35	29.41	86.2	6.53	5.0	SR5	8/20/2017 9:35	29.03	85.1	6.45	6.7	SR5	8/20/2017 15:35	30.24	88.8	6.73	6.7	SR5	8/20/2017 21:35	29.94	91.9	6.96	8.0
SR5	8/20/2017 3:40	29.43	88.3	6.69	7.7	SR5	8/20/2017 9:40	29.01	79.1	5.99	6.9	SR5	8/20/2017 15:40	29.96	82.2	6.23	7.5	SR5	8/20/2017 21:40	30.25	87.8	6.65	6.8
SR5	8/20/2017 3:45	29.43	84.0	6.36	6.6	SR5	8/20/2017 9:45	28.94	80.0	6.06	7.3	SR5	8/20/2017 15:45	30.07	83.7	6.34	8.7	SR5	8/20/2017 21:45	30.23	87.6	6.64	8.0
SR5	8/20/2017 3:50	29.40	85.5	6.48	6.0	SR5	8/20/2017 9:50	28.89	83.2	6.30	6.9	SR5	8/20/2017 15:50	29.97	90.2	6.83	6.1	SR5	8/20/2017 21:50	30.18	84.2	6.38	6.1
SR5	8/20/2017 3:55	29.37	86.2	6.53	5.8	SR5	8/20/2017 9:55	28.89	80.0	6.06	7.4												

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	8/20/2017 0:01	29.50	70.8	5.36	6.1	SR12	8/20/2017 6:01	29.40	65.9	4.99	6.0	SR12	8/20/2017 12:01	29.84	71.8	5.44	5.9	SR12	8/20/2017 18:01	30.32	70.5	5.34	6.7
SR12	8/20/2017 0:06	29.48	75.0	5.68	6.3	SR12	8/20/2017 6:06	29.32	70.4	5.33	5.3	SR12	8/20/2017 12:06	30.15	71.8	5.44	6.8	SR12	8/20/2017 18:06	30.31	68.9	5.22	6.3
SR12	8/20/2017 0:11	29.47	71.5	5.42	6.2	SR12	8/20/2017 6:11	29.36	71.3	5.40	6.8	SR12	8/20/2017 12:11	30.22	67.6	5.12	6.4	SR12	8/20/2017 18:11	30.29	75.9	5.75	6.2
SR12	8/20/2017 0:16	29.43	75.5	5.72	6.3	SR12	8/20/2017 6:16	29.32	65.9	4.99	5.7	SR12	8/20/2017 12:16	30.23	67.7	5.13	7.3	SR12	8/20/2017 18:16	30.30	69.6	5.27	7.9
SR12	8/20/2017 0:21	29.45	72.3	5.48	4.6	SR12	8/20/2017 6:21	29.33	68.4	5.18	6.5	SR12	8/20/2017 12:21	30.18	71.7	5.43	5.3	SR12	8/20/2017 18:21	30.31	71.4	5.41	7.0
SR12	8/20/2017 0:26	29.43	70.1	5.31	7.3	SR12	8/20/2017 6:26	29.44	74.2	5.62	4.8	SR12	8/20/2017 12:26	29.70	68.2	5.17	7.9	SR12	8/20/2017 18:26	30.29	74.8	5.67	5.2
SR12	8/20/2017 0:31	29.42	69.8	5.29	5.8	SR12	8/20/2017 6:31	29.42	68.1	5.16	6.1	SR12	8/20/2017 12:31	29.86	68.2	5.17	6.7	SR12	8/20/2017 18:31	30.31	75.9	5.75	6.9
SR12	8/20/2017 0:36	29.45	73.4	5.56	6.4	SR12	8/20/2017 6:36	29.28	68.5	5.19	6.4	SR12	8/20/2017 12:36	29.91	69.7	5.28	5.5	SR12	8/20/2017 18:36	30.31	71.4	5.41	6.4
SR12	8/20/2017 0:41	29.42	73.1	5.54	5.0	SR12	8/20/2017 6:41	29.27	65.7	4.98	6.5	SR12	8/20/2017 12:41	29.88	74.2	5.62	6.6	SR12	8/20/2017 18:41	30.32	77.2	5.85	6.4
SR12	8/20/2017 0:46	29.43	72.5	5.49	6.2	SR12	8/20/2017 6:46	29.29	65.2	4.94	7.3	SR12	8/20/2017 12:46	29.87	80.5	6.10	7.4	SR12	8/20/2017 18:46	30.34	77.9	5.90	8.0
SR12	8/20/2017 0:51	29.42	76.3	5.78	5.6	SR12	8/20/2017 6:51	29.22	66.3	5.02	5.6	SR12	8/20/2017 12:51	29.88	75.6	5.73	6.7	SR12	8/20/2017 18:51	30.33	75.0	5.68	6.2
SR12	8/20/2017 0:56	29.40	69.0	5.23	5.9	SR12	8/20/2017 6:56	29.27	72.7	5.51	7.0	SR12	8/20/2017 12:56	29.64	75.4	5.71	6.2	SR12	8/20/2017 18:56	30.31	75.8	5.74	7.1
SR12	8/20/2017 1:01	29.39	71.8	5.44	7.0	SR12	8/20/2017 7:01	29.31	71.9	5.45	7.5	SR12	8/20/2017 13:01	29.96	74.1	5.61	5.6	SR12	8/20/2017 19:01	30.36	73.5	5.57	7.0
SR12	8/20/2017 1:06	29.39	68.0	5.15	6.3	SR12	8/20/2017 7:06	29.06	65.7	4.98	5.8	SR12	8/20/2017 13:06	29.94	80.0	6.06	6.2	SR12	8/20/2017 19:06	30.37	72.9	5.52	5.2
SR12	8/20/2017 1:11	29.38	75.0	5.68	5.3	SR12	8/20/2017 7:11	29.10	68.5	5.19	7.5	SR12	8/20/2017 13:11	30.01	76.3	5.78	6.7	SR12	8/20/2017 19:11	30.34	72.1	5.46	7.9
SR12	8/20/2017 1:16	29.37	68.5	5.19	6.2	SR12	8/20/2017 7:16	29.17	71.8	5.44	7.3	SR12	8/20/2017 13:16	29.96	78.4	5.94	5.2	SR12	8/20/2017 19:16	30.37	79.2	6.00	7.1
SR12	8/20/2017 1:21	29.36	73.9	5.60	6.1	SR12	8/20/2017 7:21	29.20	68.2	5.17	5.6	SR12	8/20/2017 13:21	29.85	71.1	5.39	5.9	SR12	8/20/2017 19:21	30.36	75.8	5.74	5.6
SR12	8/20/2017 1:26	29.36	81.8	6.20	7.3	SR12	8/20/2017 7:26	29.19	68.0	5.15	6.9	SR12	8/20/2017 13:26	29.81	72.2	5.47	7.0	SR12	8/20/2017 19:26	30.36	79.2	6.00	7.2
SR12	8/20/2017 1:31	29.31	82.6	6.26	5.2	SR12	8/20/2017 7:31	29.15	72.1	5.46	7.4	SR12	8/20/2017 13:31	29.80	70.0	5.30	7.4	SR12	8/20/2017 19:31	30.40	80.0	6.06	6.7
SR12	8/20/2017 1:36	29.33	75.1	5.69	6.7	SR12	8/20/2017 7:36	29.15	71.8	5.44	6.2	SR12	8/20/2017 13:36	29.82	73.9	5.60	5.5	SR12	8/20/2017 19:36	30.36	76.4	5.79	6.4
SR12	8/20/2017 1:41	29.31	67.8	5.14	7.0	SR12	8/20/2017 7:41	29.16	71.3	5.40	8.1	SR12	8/20/2017 13:41	30.06	68.6	5.20	6.9	SR12	8/20/2017 19:41	30.42	82.0	6.21	7.0
SR12	8/20/2017 1:46	29.29	66.9	5.07	5.6	SR12	8/20/2017 7:46	29.14	68.9	5.22	7.9	SR12	8/20/2017 13:46	30.16	67.2	5.09	5.6	SR12	8/20/2017 19:46	30.54	75.6	5.73	8.0
SR12	8/20/2017 1:51	29.27	70.9	5.37	6.7	SR12	8/20/2017 7:51	29.01	69.8	5.29	6.8	SR12	8/20/2017 13:51	30.25	72.1	5.46	8.2	SR12	8/20/2017 19:51	30.53	74.7	5.66	6.0
SR12	8/20/2017 1:56	29.23	69.2	5.24	7.1	SR12	8/20/2017 7:56	29.07	68.0	5.15	5.8	SR12	8/20/2017 13:56	30.23	71.9	5.45	7.4	SR12	8/20/2017 19:56	30.50	80.3	6.08	8.5
SR12	8/20/2017 2:01	29.20	67.1	5.08	5.0	SR12	8/20/2017 8:01	29.10	68.5	5.19	6.3	SR12	8/20/2017 14:01	30.26	71.5	5.42	6.9	SR12	8/20/2017 20:01	30.44	74.3	5.63	6.9
SR12	8/20/2017 2:06	29.18	70.1	5.31	5.5	SR12	8/20/2017 8:06	29.05	67.8	5.14	6.5	SR12	8/20/2017 14:06	30.32	69.6	5.27	6.9	SR12	8/20/2017 20:06	30.23	70.6	5.35	7.4
SR12	8/20/2017 2:11	29.17	64.5	4.89	7.1	SR12	8/20/2017 8:11	29.12	70.0	5.30	7.2	SR12	8/20/2017 14:11	30.31	75.0	5.68	7.2	SR12	8/20/2017 20:11	30.22	73.7	5.58	5.3
SR12	8/20/2017 2:16	29.10	63.5	4.81	6.6	SR12	8/20/2017 8:16	29.20	69.3	5.25	6.1	SR12	8/20/2017 14:16	30.34	74.6	5.65	7.8	SR12	8/20/2017 20:16	30.22	71.5	5.42	7.1
SR12	8/20/2017 2:21	29.15	61.5	4.66	6.8	SR12	8/20/2017 8:21	29.15	71.9	5.45	6.0	SR12	8/20/2017 14:21	30.36	78.8	5.97	6.8	SR12	8/20/2017 20:21	30.21	75.8	5.74	6.0
SR12	8/20/2017 2:26	29.29	65.9	4.99	7.4	SR12	8/20/2017 8:26	28.97	69.7	5.28	6.4	SR12	8/20/2017 14:26	30.30	77.7	5.89	7.9	SR12	8/20/2017 20:26	30.19	72.1	5.46	6.9
SR12	8/20/2017 2:31	29.27	67.2	5.09	7.2	SR12	8/20/2017 8:31	28.88	68.1	5.16	6.4	SR12	8/20/2017 14:31	30.29	72.9	5.52	5.6	SR12	8/20/2017 20:31	30.18	71.8	5.44	7.3
SR12	8/20/2017 2:36	29.23	66.4	5.03	6.2	SR12	8/20/2017 8:36	28.94	65.9	4.99	7.9	SR12	8/20/2017 14:36	30.30	73.0	5.53	7.4	SR12	8/20/2017 20:36	30.17	70.9	5.37	7.2
SR12	8/20/2017 2:41	29.26	63.1	4.78	6.5	SR12	8/20/2017 8:41	28.99	67.5	5.11	6.9	SR12	8/20/2017 14:41	30.32	80.3	6.08	7.5	SR12	8/20/2017 20:41	30.21	73.0	5.53	5.6
SR12	8/20/2017 2:46	29.31	66.9	5.07	6.2	SR12	8/20/2017 8:46	29.01	72.5	5.49	6.6	SR12	8/20/2017 14:46	30.35	71.3	5.40	6.7	SR12	8/20/2017 20:46	30.21	72.7	5.51	6.2
SR12	8/20/2017 2:51	29.34	65.9	4.99	5.7	SR12	8/20/2017 8:51	28.81	68.0	5.15	8.4	SR12	8/20/2017 14:51	30.36	72.2	5.47	7.5	SR12	8/20/2017 20:51	30.21	71.4	5.41	6.2
SR12	8/20/2017 2:56	29.30	65.1	4.93	5.8	SR12	8/20/2017 8:56	28.74	64.5	4.89	7.2	SR12	8/20/2017 14:56	30.34	71.1	5.39	7.4	SR12	8/20/2017 20:56	30.22	71.9	5.45	7.3
SR12	8/20/2017 3:01	29.27	71.5	5.42	6.7	SR12	8/20/2017 9:01	28.80	69.4	5.26	5.8	SR12	8/20/2017 15:01	30.36	80.8	6.12	6.5	SR12	8/20/2017 21:01	30.23	76.2	5.77	6.6
SR12	8/20/2017 3:06	29.31	71.1	5.39	6.6	SR12	8/20/2017 9:06	28.86	71.1	5.39	8.4	SR12	8/20/2017 15:06	30.32	79.2	6.00	6.6	SR12	8/20/2017 21:06	30.23	74.3	5.63	6.9
SR12	8/20/2017 3:11	29.35	70.1	5.31	6.0	SR12	8/20/2017 9:11	29.05	64.7	4.90	4.9	SR12	8/20/2017 15:11	30.26	72.1	5.46	7.0	SR12	8/20/2017 21:11	30.23	80.4	6.09	7.3
SR12	8/20/2017 3:16	29.32	69.4	5.26	7.9	SR12	8/20/2017 9:16	29.07	66.4	5.03	5.9	SR12	8/20/2017 15:16	30.21	78.5	5.95	7.5	SR12	8/20/2017 21:16	30.22	76.7	5.81	6.6
SR12	8/20/2017 3:21	29.30	66.3	5.02	5.6	SR12	8/20/2017 9:21	29.01	65.9	4.99	6.4	SR12	8/20/2017 15:21	30.24	76.8	5.82	6.7	SR12	8/20/2017 21:21	30.22	78.5	5.95	6.3
SR12	8/20/2017 3:26	29.30	68.2	5.17	4.8	SR12	8/20/2017 9:26	28.89	68.9	5.22	7.0	SR12	8/20/2017 15:26	30.25	75.2	5.70	5.6	SR12	8/20/2017 21:26	30.22	71.3	5.40	5.7
SR12	8/20/2017 3:31	29.31	71.5	5.42	6.2	SR12	8/20/2017 9:31	28.99	67.1	5.08	6.7	SR12	8/20/2017 15:31	30.29	73.3	5.55	6.4	SR12	8/20/2017 21:31	30.20	72.1	5.46	6.4
SR12	8/20/2017 3:36	29.29	68.4	5.18	7.2	SR12	8/20/2017 9:36	28.98	64.9	4.92	8.1	SR12	8/20/2017 15:36	30.27	72.3	5.48	7.7	SR12	8/20/2017 21:36	30.17	72.5	5.49	4.6
SR12	8/20/2017 3:41	29.33	69.0	5.23	5.0	SR12	8/20/2017 9:41	28.93	70.0	5.30	7.4	SR12	8/20/2017 15:41	30.26	74.8	5.67	7.3	SR12	8/20/2017 21:41	30.17	71.3	5.40	5.5
SR12	8/20/2017 3:46	29.35	71.1	5.39	5.5	SR12	8/20/2017 9:46	28.83	68.4	5.18	5.8	SR12	8/20/2017 15:46	30.28	73.8	5.59	6.9	SR12	8/20/2017 21:46	30.15	76.2	5.77	7.2
SR12	8/20/2017 3:51	29.34	65.5	4.96	6.4	SR12	8/20/2017 9:51	28.76	63.4	4.80	5.3	SR12	8/20/2017 15:51	30.31									



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	8/20/2017 0:00	29.61	88.2	6.68	6.0	SR13	8/20/2017 6:00	29.30	76.2	5.77	5.2	SR13	8/20/2017 12:00	29.81	75.2	5.70	7.4	SR13	8/20/2017 18:00	30.31	73.9	5.60	7.5
SR13	8/20/2017 0:05	29.61	85.5	6.48	7.0	SR13	8/20/2017 6:05	29.31	72.7	5.51	5.7	SR13	8/20/2017 12:05	30.23	87.9	6.66	5.9	SR13	8/20/2017 18:05	30.30	78.5	5.95	6.1
SR13	8/20/2017 0:10	29.57	86.1	6.52	5.1	SR13	8/20/2017 6:10	29.33	68.2	5.17	5.0	SR13	8/20/2017 12:10	30.36	85.4	6.47	6.4	SR13	8/20/2017 18:10	30.29	73.1	5.54	6.7
SR13	8/20/2017 0:15	29.55	84.0	6.36	5.5	SR13	8/20/2017 6:15	29.34	71.0	5.38	7.0	SR13	8/20/2017 12:15	30.28	84.1	6.37	6.3	SR13	8/20/2017 18:15	30.27	75.0	5.68	6.2
SR13	8/20/2017 0:20	29.54	82.0	6.21	5.9	SR13	8/20/2017 6:20	29.33	69.4	5.26	5.7	SR13	8/20/2017 12:20	30.23	79.7	6.04	5.7	SR13	8/20/2017 18:20	30.26	76.6	5.80	6.1
SR13	8/20/2017 0:25	29.53	76.6	5.80	7.0	SR13	8/20/2017 6:25	29.28	72.7	5.51	5.0	SR13	8/20/2017 12:25	30.20	85.9	6.51	6.6	SR13	8/20/2017 18:25	30.23	72.1	5.46	6.3
SR13	8/20/2017 0:30	29.51	84.6	6.41	6.7	SR13	8/20/2017 6:30	29.29	76.2	5.77	6.9	SR13	8/20/2017 12:30	30.14	87.4	6.62	6.8	SR13	8/20/2017 18:30	30.23	75.6	5.73	6.3
SR13	8/20/2017 0:35	29.51	78.0	5.91	6.4	SR13	8/20/2017 6:35	29.28	71.4	5.41	5.9	SR13	8/20/2017 12:35	29.96	80.8	6.12	6.3	SR13	8/20/2017 18:35	30.20	73.0	5.53	7.0
SR13	8/20/2017 0:40	29.50	78.3	5.93	5.9	SR13	8/20/2017 6:40	29.28	79.2	6.00	7.1	SR13	8/20/2017 12:40	29.90	85.8	6.50	5.4	SR13	8/20/2017 18:40	30.18	68.8	5.21	6.5
SR13	8/20/2017 0:45	29.44	82.1	6.22	6.6	SR13	8/20/2017 6:45	29.29	78.0	5.91	5.8	SR13	8/20/2017 12:45	30.15	86.3	6.54	7.9	SR13	8/20/2017 18:45	30.16	74.8	5.67	6.1
SR13	8/20/2017 0:50	29.44	82.8	6.27	6.0	SR13	8/20/2017 6:50	29.28	70.4	5.33	6.6	SR13	8/20/2017 12:50	30.60	85.9	6.51	5.7	SR13	8/20/2017 18:50	30.20	78.8	5.97	7.5
SR13	8/20/2017 0:55	29.42	78.7	5.96	6.4	SR13	8/20/2017 6:55	29.29	68.1	5.16	7.5	SR13	8/20/2017 12:55	30.21	88.8	6.73	5.8	SR13	8/20/2017 18:55	30.28	81.3	6.16	5.8
SR13	8/20/2017 1:00	29.36	73.3	5.55	4.8	SR13	8/20/2017 7:00	29.28	73.4	5.56	6.2	SR13	8/20/2017 13:00	30.48	89.6	6.79	6.2	SR13	8/20/2017 19:00	30.47	89.9	6.81	6.4
SR13	8/20/2017 1:05	29.38	77.5	5.87	6.5	SR13	8/20/2017 7:05	29.09	75.9	5.75	7.8	SR13	8/20/2017 13:05	30.22	90.4	6.85	7.1	SR13	8/20/2017 19:05	30.53	94.9	7.19	8.3
SR13	8/20/2017 1:10	29.39	80.3	6.08	6.7	SR13	8/20/2017 7:10	29.07	72.5	5.49	6.2	SR13	8/20/2017 13:10	30.30	85.5	6.48	6.2	SR13	8/20/2017 19:10	30.51	84.1	6.37	5.7
SR13	8/20/2017 1:15	29.37	74.4	5.64	6.8	SR13	8/20/2017 7:15	29.16	76.4	5.79	6.7	SR13	8/20/2017 13:15	30.19	91.7	6.95	6.8	SR13	8/20/2017 19:15	30.55	90.6	6.86	6.1
SR13	8/20/2017 1:20	29.38	77.2	5.85	7.1	SR13	8/20/2017 7:20	29.26	75.4	5.71	6.3	SR13	8/20/2017 13:20	29.88	90.6	6.86	5.7	SR13	8/20/2017 19:20	30.54	88.3	6.69	5.6
SR13	8/20/2017 1:25	29.37	77.0	5.83	7.1	SR13	8/20/2017 7:25	29.27	76.2	5.77	5.9	SR13	8/20/2017 13:25	29.85	82.0	6.21	6.7	SR13	8/20/2017 19:25	30.53	89.6	6.79	5.7
SR13	8/20/2017 1:30	29.37	79.3	6.01	6.7	SR13	8/20/2017 7:30	29.26	76.4	5.92	6.8	SR13	8/20/2017 13:30	30.10	78.1	5.92	7.2	SR13	8/20/2017 19:30	30.58	86.2	6.53	7.9
SR13	8/20/2017 1:35	29.35	74.7	5.66	5.0	SR13	8/20/2017 7:35	29.21	75.9	5.75	6.3	SR13	8/20/2017 13:35	30.32	85.7	6.49	5.4	SR13	8/20/2017 19:35	30.56	85.4	6.47	7.2
SR13	8/20/2017 1:40	29.35	71.4	5.41	6.6	SR13	8/20/2017 7:40	29.18	80.5	6.10	6.0	SR13	8/20/2017 13:40	30.42	83.2	6.30	5.6	SR13	8/20/2017 19:40	30.54	92.3	6.99	5.5
SR13	8/20/2017 1:45	29.34	79.2	6.00	6.1	SR13	8/20/2017 7:45	29.12	77.1	5.84	6.7	SR13	8/20/2017 13:45	30.32	80.0	6.06	6.6	SR13	8/20/2017 19:45	30.52	90.4	6.85	7.1
SR13	8/20/2017 1:50	29.31	78.8	5.97	5.6	SR13	8/20/2017 7:50	28.92	74.3	5.63	6.4	SR13	8/20/2017 13:50	30.30	87.4	6.62	6.5	SR13	8/20/2017 19:50	30.50	90.2	6.83	7.5
SR13	8/20/2017 1:55	29.30	73.3	5.55	6.1	SR13	8/20/2017 7:55	28.78	72.1	5.46	5.6	SR13	8/20/2017 13:55	30.29	83.0	6.29	6.0	SR13	8/20/2017 19:55	30.41	86.5	6.55	6.7
SR13	8/20/2017 2:00	29.28	73.0	5.53	6.6	SR13	8/20/2017 8:00	28.68	77.0	5.83	6.3	SR13	8/20/2017 14:00	30.33	81.8	6.20	7.7	SR13	8/20/2017 20:00	30.46	85.0	6.44	6.5
SR13	8/20/2017 2:05	29.30	77.1	5.84	5.6	SR13	8/20/2017 8:05	28.61	68.8	5.21	7.6	SR13	8/20/2017 14:05	30.40	86.6	6.56	6.9	SR13	8/20/2017 20:05	30.38	82.8	6.27	7.8
SR13	8/20/2017 2:10	29.29	76.8	5.82	6.0	SR13	8/20/2017 8:10	28.49	68.8	5.21	5.9	SR13	8/20/2017 14:10	30.42	80.9	6.13	7.4	SR13	8/20/2017 20:10	30.29	81.3	6.16	5.3
SR13	8/20/2017 2:15	29.21	73.4	5.56	5.9	SR13	8/20/2017 8:15	28.56	71.0	5.38	5.3	SR13	8/20/2017 14:15	30.28	84.0	6.36	7.0	SR13	8/20/2017 20:15	30.26	70.8	5.36	6.8
SR13	8/20/2017 2:20	29.20	78.1	5.92	5.6	SR13	8/20/2017 8:20	28.49	68.4	5.18	6.1	SR13	8/20/2017 14:20	30.33	89.2	6.76	6.3	SR13	8/20/2017 20:20	30.23	75.1	5.69	7.4
SR13	8/20/2017 2:25	29.32	79.7	6.04	6.4	SR13	8/20/2017 8:25	28.61	73.5	5.57	6.1	SR13	8/20/2017 14:25	30.31	83.8	6.35	5.9	SR13	8/20/2017 20:25	30.22	82.0	6.21	6.0
SR13	8/20/2017 2:30	29.37	78.1	5.92	7.3	SR13	8/20/2017 8:30	28.59	78.3	5.93	6.2	SR13	8/20/2017 14:30	30.28	80.8	6.12	7.1	SR13	8/20/2017 20:30	30.20	76.8	5.82	5.7
SR13	8/20/2017 2:35	29.38	81.0	6.14	6.8	SR13	8/20/2017 8:35	28.45	71.3	5.40	6.5	SR13	8/20/2017 14:35	30.22	88.0	6.67	6.2	SR13	8/20/2017 20:35	30.18	80.4	6.09	6.1
SR13	8/20/2017 2:40	29.38	81.0	6.14	6.6	SR13	8/20/2017 8:40	28.46	77.0	5.83	5.8	SR13	8/20/2017 14:40	30.21	82.0	6.21	6.3	SR13	8/20/2017 20:40	30.19	85.1	6.45	5.8
SR13	8/20/2017 2:45	29.38	81.4	6.17	6.7	SR13	8/20/2017 8:45	28.63	77.0	5.83	7.0	SR13	8/20/2017 14:45	30.21	78.3	5.93	7.4	SR13	8/20/2017 20:45	30.19	81.4	6.17	6.8
SR13	8/20/2017 2:50	29.39	80.8	6.12	6.8	SR13	8/20/2017 8:50	28.45	79.2	6.00	7.5	SR13	8/20/2017 14:50	30.17	86.1	6.52	5.4	SR13	8/20/2017 20:50	30.21	83.8	6.35	7.4
SR13	8/20/2017 2:55	29.40	77.2	5.85	5.3	SR13	8/20/2017 8:55	28.49	72.3	5.48	6.3	SR13	8/20/2017 14:55	30.15	83.8	6.35	6.9	SR13	8/20/2017 20:55	30.22	83.8	6.35	6.8
SR13	8/20/2017 3:00	29.34	84.1	6.37	7.5	SR13	8/20/2017 9:00	28.88	83.6	6.33	6.3	SR13	8/20/2017 15:00	30.14	84.5	6.40	7.3	SR13	8/20/2017 21:00	30.22	81.6	6.18	5.5
SR13	8/20/2017 3:05	29.34	81.0	6.14	6.8	SR13	8/20/2017 9:05	29.26	81.4	6.17	6.1	SR13	8/20/2017 15:05	30.16	85.7	6.49	6.0	SR13	8/20/2017 21:05	30.11	76.3	5.78	5.8
SR13	8/20/2017 3:10	29.38	75.5	5.72	6.6	SR13	8/20/2017 9:10	29.27	82.1	6.22	8.0	SR13	8/20/2017 15:10	30.18	84.5	6.40	6.3	SR13	8/20/2017 21:10	30.09	78.8	5.97	6.3
SR13	8/20/2017 3:15	29.38	78.1	5.92	6.6	SR13	8/20/2017 9:15	29.29	78.9	5.98	7.6	SR13	8/20/2017 15:15	30.22	85.9	6.51	6.0	SR13	8/20/2017 21:15	30.04	77.4	5.86	6.6
SR13	8/20/2017 3:20	29.37	83.6	6.33	6.1	SR13	8/20/2017 9:20	29.29	81.3	6.16	6.1	SR13	8/20/2017 15:20	30.22	77.6	5.88	5.8	SR13	8/20/2017 21:20	30.01	82.9	6.28	7.6
SR13	8/20/2017 3:25	29.38	75.5	5.72	6.5	SR13	8/20/2017 9:25	29.17	78.4	5.94	7.8	SR13	8/20/2017 15:25	30.20	84.7	6.42	8.0	SR13	8/20/2017 21:25	29.98	81.3	6.16	5.7
SR13	8/20/2017 3:30	29.38	77.2	5.85	6.3	SR13	8/20/2017 9:30	29.17	77.4	5.86	5.0	SR13	8/20/2017 15:30	30.23	78.4	5.94	6.9	SR13	8/20/2017 21:30	29.81	84.5	6.40	6.7
SR13	8/20/2017 3:35	29.39	84.6	6.41	7.0	SR13	8/20/2017 9:35	29.22	83.4	6.32	6.6	SR13	8/20/2017 15:35	30.25	79.6	6.03	6.4	SR13	8/20/2017 21:35	29.89	83.4	6.32	6.7
SR13	8/20/2017 3:40	29.38	75.8	5.74	6.2	SR13	8/20/2017 9:40	29.22	82.4	6.24	7.0	SR13	8/20/2017 15:40	30.25	83.2	6.30	6.5	SR13	8/20/2017 21:40	30.05	89.0	6.74	6.7
SR13	8/20/2017 3:45	29.41	79.9	6.05	5.3	SR13	8/20/2017 9:45	29.12	78.7	5.96	7.5	SR13	8/20/2017 15:45	30.29	87.4	6.62	5.3	SR13	8/20/2017 21:45	30.00	89.8	6.80	5.3
SR13	8/20/2017 3:50	29.42	79.2	6.00	7.1	SR13	8/20/2017 9:50	29.12	79.6	6.03	5.9	SR13	8/20/2017 15:50	30.28									

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/20/2017 0:17	0.11				SR12	8/20/2017 0:17	0.09			
SR4	8/20/2017 0:37	0.12				SR12	8/20/2017 0:37	0.09			
SR4	8/20/2017 0:57	0.12				SR12	8/20/2017 0:57	0.08			
SR4	8/20/2017 1:17	0.11				SR12	8/20/2017 1:17	0.12			
SR4	8/20/2017 1:37	0.12				SR12	8/20/2017 1:37	0.08			
SR4	8/20/2017 1:57	0.14				SR12	8/20/2017 1:57	0.09			
SR4	8/20/2017 2:17	0.11				SR12	8/20/2017 2:17	0.12			
SR4	8/20/2017 2:37	0.14				SR12	8/20/2017 2:37	0.08			
SR4	8/20/2017 2:57	0.11				SR12	8/20/2017 2:57	0.10			
SR4	8/20/2017 3:17	0.11				SR12	8/20/2017 3:17	0.12			
SR4	8/20/2017 3:37	0.14				SR12	8/20/2017 3:37	0.08			
SR4	8/20/2017 3:57	0.14				SR12	8/20/2017 3:57	0.12			
SR4	8/20/2017 4:17	0.14				SR12	8/20/2017 4:17	0.10			
SR4	8/20/2017 4:37	0.12				SR12	8/20/2017 4:37	0.11			
SR4	8/20/2017 4:57	0.11				SR12	8/20/2017 4:57	0.08			
SR4	8/20/2017 5:17	0.10				SR12	8/20/2017 5:17	0.09			
SR4	8/20/2017 5:37	0.09				SR12	8/20/2017 5:37	0.11			
SR4	8/20/2017 5:57	0.12				SR12	8/20/2017 5:57	0.10			
SR4						SR12					
SR4	8/20/2017 6:37	0.09				SR12	8/20/2017 6:37	0.12			
SR4	8/20/2017 6:57	0.09				SR12	8/20/2017 6:57	0.09			
SR4	8/20/2017 7:17	0.11				SR12	8/20/2017 7:17	0.09			
SR4	8/20/2017 7:37	0.10				SR12	8/20/2017 7:37	0.09			
SR4	8/20/2017 7:57	0.08				SR12	8/20/2017 7:57	0.11			
SR4	8/20/2017 8:17	0.12				SR12	8/20/2017 8:17	0.09			
SR4	8/20/2017 8:37	0.12				SR12	8/20/2017 8:37	0.09			
SR4	8/20/2017 8:57	0.11				SR12	8/20/2017 8:57	0.08			
SR4	8/20/2017 9:17	0.09				SR12	8/20/2017 9:17	0.12			
SR4	8/20/2017 9:37	0.09				SR12	8/20/2017 9:37	0.08			
SR4	8/20/2017 9:57	0.12				SR12	8/20/2017 9:57	0.10			
SR4	8/20/2017 10:17	0.09				SR12	8/20/2017 10:17	0.09			
SR4	8/20/2017 10:37	0.12				SR12	8/20/2017 10:37	0.10			
SR4	8/20/2017 10:57	0.11				SR12	8/20/2017 10:57	0.12			
SR4	8/20/2017 11:17	0.09				SR12	8/20/2017 11:17	0.08			
SR4	8/20/2017 11:37	0.10				SR12	8/20/2017 11:37	0.10			
SR4	8/20/2017 11:57	0.08				SR12	8/20/2017 11:57	0.11			
SR4	8/20/2017 12:17	0.11				SR12	8/20/2017 12:17	0.10			
SR4	8/20/2017 12:37	0.10				SR12	8/20/2017 12:37	0.12			
SR4	8/20/2017 12:57	0.12				SR12	8/20/2017 12:57	0.10			
SR4	8/20/2017 13:17	0.08				SR12	8/20/2017 13:17	0.11			
SR4	8/20/2017 13:37	0.12				SR12	8/20/2017 13:37	0.10			
SR4	8/20/2017 13:57	0.11				SR12	8/20/2017 13:57	0.09			
SR4	8/20/2017 14:17	0.12				SR12	8/20/2017 14:17	0.08			
SR4	8/20/2017 14:37	0.08				SR12	8/20/2017 14:37	0.10			
SR4	8/20/2017 14:57	0.12				SR12	8/20/2017 14:57	0.09			
SR4	8/20/2017 15:17	0.08				SR12	8/20/2017 15:17	0.08			
SR4	8/20/2017 15:37	0.08				SR12	8/20/2017 15:37	0.08			
SR4	8/20/2017 15:57	0.10				SR12	8/20/2017 15:57	0.11			
SR4	8/20/2017 16:17	0.10				SR12	8/20/2017 16:17	0.09			
SR4	8/20/2017 16:37	0.09				SR12	8/20/2017 16:37	0.08			
SR4	8/20/2017 16:57	0.12				SR12	8/20/2017 16:57	0.11			
SR4	8/20/2017 17:17	0.11				SR12	8/20/2017 17:17	0.09			
SR4	8/20/2017 17:37	0.11				SR12	8/20/2017 17:37	0.11			
SR4	8/20/2017 17:57	0.11				SR12	8/20/2017 17:57	0.11			
SR4	8/20/2017 18:17	0.11				SR12	8/20/2017 18:17	0.10			
SR4	8/20/2017 18:37	0.09				SR12	8/20/2017 18:37	0.09			
SR4	8/20/2017 18:57	0.12				SR12	8/20/2017 18:57	0.11			
SR4	8/20/2017 19:17	0.11				SR12	8/20/2017 19:17	0.11			
SR4	8/20/2017 19:37	0.08				SR12	8/20/2017 19:37	0.10			
SR4	8/20/2017 19:57	0.09				SR12	8/20/2017 19:57	0.08			
SR4	8/20/2017 20:17	0.09				SR12	8/20/2017 20:17	0.09			
SR4	8/20/2017 20:37	0.09				SR12	8/20/2017 20:37	0.08			
SR4	8/20/2017 20:57	0.11				SR12	8/20/2017 20:57	0.08			
SR4	8/20/2017 21:17	0.10				SR12	8/20/2017 21:17	0.10			
SR4	8/20/2017 21:37	0.12				SR12	8/20/2017 21:37	0.08			
SR4	8/20/2017 21:57	0.12				SR12	8/20/2017 21:57	0.12			
SR4	8/20/2017 22:17	0.10				SR12	8/20/2017 22:17	0.12			
SR4	8/20/2017 22:37	0.12				SR12	8/20/2017 22:37	0.09			
SR4	8/20/2017 22:57	0.08				SR12	8/20/2017 22:57	0.09			
SR4	8/20/2017 23:17	0.09				SR12	8/20/2017 23:17	0.08			
SR4	8/20/2017 23:37	0.08				SR12	8/20/2017 23:37	0.11			
SR4	8/20/2017 23:57	0.10				SR12	8/20/2017 23:57	0.09			

Remark: Fonts with underline: Action Level Exceedance

**Fonts in Bold with underline: Limit Level Exceedance**

Automatic Instrument calibration of NH<sub>3</sub>-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	8/21/2017 0:01	29.75	84.0	6.36	5.0	SR4	8/21/2017 6:01	29.38	71.8	5.44	8.6	SR4	8/21/2017 12:01	30.37	90.4	6.85	7.7	SR4	8/21/2017 18:01	30.02	89.6	6.79	8.2
SR4	8/21/2017 0:06	29.72	77.0	5.83	6.4	SR4	8/21/2017 6:06	29.37	77.5	5.87	8.9	SR4	8/21/2017 12:06	29.98	91.7	6.95	9.2	SR4	8/21/2017 18:06	30.04	93.2	7.06	9.3
SR4	8/21/2017 0:11	29.65	81.3	6.16	4.6	SR4	8/21/2017 6:11	29.37	76.6	5.80	8.6	SR4	8/21/2017 12:11	30.02	90.0	6.82	8.8	SR4	8/21/2017 18:11	30.02	82.8	6.27	8.7
SR4	8/21/2017 0:16	29.61	79.7	6.04	4.5	SR4	8/21/2017 6:16	29.37	70.4	5.33	7.7	SR4	8/21/2017 12:16	30.12	95.7	7.25	9.0	SR4	8/21/2017 18:16	30.04	91.1	6.90	7.3
SR4	8/21/2017 0:21	29.54	80.8	6.12	4.6	SR4	8/21/2017 6:21	29.36	76.4	5.79	8.9	SR4	8/21/2017 12:21	30.00	96.0	7.27	8.9	SR4	8/21/2017 18:21	30.01	89.4	6.77	9.3
SR4	8/21/2017 0:26	29.53	81.8	6.20	4.9	SR4	8/21/2017 6:26	29.35	73.5	5.57	7.3	SR4	8/21/2017 12:26	30.11	91.9	6.96	7.4	SR4	8/21/2017 18:26	30.00	86.9	6.58	8.2
SR4	8/21/2017 0:31	29.53	74.7	5.66	4.6	SR4	8/21/2017 6:31	29.34	69.3	5.25	8.3	SR4	8/21/2017 12:31	30.05	87.4	6.62	8.9	SR4	8/21/2017 18:31	30.03	90.4	6.85	7.7
SR4	8/21/2017 0:36	29.50	78.3	5.93	6.6	SR4	8/21/2017 6:36	29.34	69.6	5.27	7.5	SR4	8/21/2017 12:36	30.14	88.6	6.71	7.9	SR4	8/21/2017 18:36	30.00	85.1	6.45	8.9
SR4	8/21/2017 0:41	29.47	75.9	5.75	5.4	SR4	8/21/2017 6:41	29.34	69.7	5.28	8.7	SR4	8/21/2017 12:41	30.14	84.9	6.43	8.2	SR4	8/21/2017 18:41	30.01	82.5	6.25	7.6
SR4	8/21/2017 0:46	29.51	84.5	6.40	5.4	SR4	8/21/2017 6:46	29.33	69.6	5.27	7.6	SR4	8/21/2017 12:46	30.10	90.3	6.84	7.9	SR4	8/21/2017 18:46	30.02	86.1	6.52	8.5
SR4	8/21/2017 0:51	29.55	78.9	5.98	5.3	SR4	8/21/2017 6:51	29.29	73.4	5.56	9.0	SR4	8/21/2017 12:51	29.89	91.7	6.95	7.2	SR4	8/21/2017 18:51	30.03	84.0	6.36	8.3
SR4	8/21/2017 0:56	29.50	78.5	5.95	5.1	SR4	8/21/2017 6:56	29.30	74.6	5.65	7.8	SR4	8/21/2017 12:56	29.93	83.8	6.35	10.4	SR4	8/21/2017 18:56	30.03	91.1	6.90	7.4
SR4	8/21/2017 1:01	29.45	83.8	6.35	6.4	SR4	8/21/2017 7:01	29.31	76.0	5.76	9.1	SR4	8/21/2017 13:01	29.89	89.2	6.76	7.7	SR4	8/21/2017 19:01	30.00	87.5	6.63	7.7
SR4	8/21/2017 1:06	29.37	74.8	5.67	5.2	SR4	8/21/2017 7:06	29.29	75.2	5.70	8.2	SR4	8/21/2017 13:06	30.05	88.7	6.72	7.8	SR4	8/21/2017 19:06	30.00	85.4	6.47	8.0
SR4	8/21/2017 1:11	29.32	87.6	6.64	5.6	SR4	8/21/2017 7:11	29.28	69.7	5.28	8.5	SR4	8/21/2017 13:11	30.12	88.4	6.70	8.0	SR4	8/21/2017 19:11	29.99	86.5	6.55	7.9
SR4	8/21/2017 1:16	29.30	76.3	5.78	5.8	SR4	8/21/2017 7:16	29.28	68.9	5.22	7.4	SR4	8/21/2017 13:16	29.91	91.9	6.96	7.8	SR4	8/21/2017 19:16	29.99	84.2	6.38	8.9
SR4	8/21/2017 1:21	29.25	73.1	5.54	5.0	SR4	8/21/2017 7:21	29.25	72.1	5.46	9.2	SR4	8/21/2017 13:21	29.90	83.8	6.35	7.7	SR4	8/21/2017 19:21	30.01	81.8	6.20	8.2
SR4	8/21/2017 1:26	29.25	72.9	5.52	4.7	SR4	8/21/2017 7:26	29.25	75.6	5.73	8.7	SR4	8/21/2017 13:26	30.08	92.1	6.98	8.0	SR4	8/21/2017 19:26	29.97	86.7	6.57	9.3
SR4	8/21/2017 1:31	29.30	66.7	5.05	5.0	SR4	8/21/2017 7:31	29.26	70.6	5.35	7.2	SR4	8/21/2017 13:31	30.11	94.0	7.12	7.4	SR4	8/21/2017 19:31	29.98	90.9	6.89	7.4
SR4	8/21/2017 1:36	29.36	68.5	5.19	4.8	SR4	8/21/2017 7:36	29.26	71.8	5.44	7.7	SR4	8/21/2017 13:36	30.01	85.5	6.48	7.3	SR4	8/21/2017 19:36	29.98	83.3	6.31	9.1
SR4	8/21/2017 1:41	29.49	67.6	5.12	5.4	SR4	8/21/2017 7:41	29.27	71.5	5.42	8.6	SR4	8/21/2017 13:41	29.97	88.2	6.68	8.9	SR4	8/21/2017 19:41	29.96	88.4	6.70	9.2
SR4	8/21/2017 1:46	29.49	71.1	5.39	6.3	SR4	8/21/2017 7:46	29.24	73.4	5.56	7.9	SR4	8/21/2017 13:46	30.01	92.0	6.97	7.2	SR4	8/21/2017 19:46	29.96	89.0	6.74	11.7
SR4	8/21/2017 1:51	29.38	69.4	5.26	6.3	SR4	8/21/2017 7:51	29.19	78.1	5.92	8.9	SR4	8/21/2017 13:51	30.02	85.7	6.49	7.1	SR4	8/21/2017 19:51	29.95	90.2	6.83	10.5
SR4	8/21/2017 1:56	29.34	70.4	5.33	6.7	SR4	8/21/2017 7:56	29.18	69.3	5.25	8.2	SR4	8/21/2017 13:56	30.06	87.4	6.62	7.8	SR4	8/21/2017 19:56	29.94	83.8	6.35	7.1
SR4	8/21/2017 2:01	29.25	68.5	5.19	4.3	SR4	8/21/2017 8:01	29.24	78.3	5.93	7.7	SR4	8/21/2017 14:01	30.00	91.9	6.96	8.2	SR4	8/21/2017 20:01	29.96	89.1	6.75	7.9
SR4	8/21/2017 2:06	29.22	65.5	4.96	4.3	SR4	8/21/2017 8:06	29.16	71.3	5.40	7.4	SR4	8/21/2017 14:06	30.01	85.0	6.44	8.7	SR4	8/21/2017 20:06	29.94	82.0	6.21	7.2
SR4	8/21/2017 2:11	29.25	72.3	5.48	6.2	SR4	8/21/2017 8:11	29.14	71.0	5.38	7.7	SR4	8/21/2017 14:11	30.01	93.6	7.09	7.6	SR4	8/21/2017 20:11	29.96	90.6	6.86	7.2
SR4	8/21/2017 2:16	29.24	68.0	5.15	5.3	SR4	8/21/2017 8:16	29.33	75.2	5.70	7.5	SR4	8/21/2017 14:16	30.05	93.6	7.09	7.2	SR4	8/21/2017 20:16	29.96	85.7	6.49	8.0
SR4	8/21/2017 2:21	29.21	67.3	5.10	4.4	SR4	8/21/2017 8:21	29.35	81.8	6.20	9.1	SR4	8/21/2017 14:21	30.00	89.5	6.78	8.4	SR4	8/21/2017 20:21	29.47	83.6	6.33	8.9
SR4	8/21/2017 2:26	29.18	68.1	5.16	6.6	SR4	8/21/2017 8:26	29.27	74.1	5.61	9.0	SR4	8/21/2017 14:26	30.02	90.2	6.83	8.6	SR4	8/21/2017 20:26	29.47	81.7	6.19	7.6
SR4	8/21/2017 2:31	29.14	71.0	5.38	7.2	SR4	8/21/2017 8:31	29.32	77.9	5.90	7.5	SR4	8/21/2017 14:31	30.01	91.6	6.94	7.1	SR4	8/21/2017 20:31	29.51	83.8	6.35	8.7
SR4	8/21/2017 2:36	29.10	69.8	5.29	8.0	SR4	8/21/2017 8:36	29.29	77.7	5.89	7.6	SR4	8/21/2017 14:36	30.00	92.0	6.97	8.7	SR4	8/21/2017 20:36	29.47	75.6	5.73	8.4
SR4	8/21/2017 2:41	29.09	73.8	5.59	7.5	SR4	8/21/2017 8:41	29.32	72.9	5.52	8.3	SR4	8/21/2017 14:41	30.05	89.8	6.80	8.2	SR4	8/21/2017 20:41	29.46	79.2	6.00	7.9
SR4	8/21/2017 2:46	29.07	69.3	5.25	9.2	SR4	8/21/2017 8:46	29.33	81.6	6.18	8.7	SR4	8/21/2017 14:46	30.03	92.3	6.99	9.0	SR4	8/21/2017 20:46	29.48	79.6	6.03	7.5
SR4	8/21/2017 2:51	29.05	68.5	5.19	9.1	SR4	8/21/2017 8:51	29.31	73.0	5.53	8.6	SR4	8/21/2017 14:51	30.01	86.3	6.54	8.2	SR4	8/21/2017 20:51	29.47	82.0	6.21	8.6
SR4	8/21/2017 2:56	29.26	75.1	5.69	7.2	SR4	8/21/2017 8:56	29.27	79.6	6.03	7.3	SR4	8/21/2017 14:56	30.03	85.9	6.51	9.1	SR4	8/21/2017 20:56	29.45	82.1	6.22	8.3
SR4	8/21/2017 3:01	29.38	75.0	5.68	9.1	SR4	8/21/2017 9:01	29.25	79.6	6.03	8.3	SR4	8/21/2017 15:01	30.01	90.8	6.88	8.0	SR4	8/21/2017 21:01	29.51	76.0	5.76	8.5
SR4	8/21/2017 3:06	29.31	73.0	5.53	9.1	SR4	8/21/2017 9:06	29.20	71.3	5.40	9.2	SR4	8/21/2017 15:06	30.07	89.6	6.79	8.2	SR4	8/21/2017 21:06	29.49	80.0	6.06	8.6
SR4	8/21/2017 3:11	29.27	71.1	5.39	7.2	SR4	8/21/2017 9:11	29.17	76.2	5.77	9.1	SR4	8/21/2017 15:11	30.08	92.5	7.01	8.6	SR4	8/21/2017 21:11	29.48	79.9	6.05	7.8
SR4	8/21/2017 3:16	29.31	73.8	5.59	8.6	SR4	8/21/2017 9:16	29.11	79.2	6.00	8.4	SR4	8/21/2017 15:16	30.03	94.4	7.15	8.5	SR4	8/21/2017 21:16	29.48	80.3	6.08	9.1
SR4	8/21/2017 3:21	29.27	69.4	5.26	9.0	SR4	8/21/2017 9:21	29.15	74.4	5.64	8.0	SR4	8/21/2017 15:21	30.08	94.0	7.12	9.2	SR4	8/21/2017 21:21	29.44	77.1	5.84	8.2
SR4	8/21/2017 3:26	29.22	74.3	5.63	8.4	SR4	8/21/2017 9:26	29.17	78.0	5.91	8.4	SR4	8/21/2017 15:26	30.07	87.1	6.60	7.8	SR4	8/21/2017 21:26	29.45	75.5	5.72	8.0
SR4	8/21/2017 3:31	29.25	76.2	5.77	8.0	SR4	8/21/2017 9:31	29.16	82.5	6.25	7.1	SR4	8/21/2017 15:31	30.09	92.4	7.00	7.3	SR4	8/21/2017 21:31	29.46	75.0	5.68	8.1
SR4	8/21/2017 3:36	29.19	70.0	5.30	7.2	SR4	8/21/2017 9:36	29.16	81.2	6.15	8.3	SR4	8/21/2017 15:36	30.05	86.9	6.58	9.0	SR4	8/21/2017 21:36	29.44	77.6	5.88	8.5
SR4	8/21/2017 3:41	29.34	82.0	6.21	8.4	SR4	8/21/2017 9:41	29.18	84.0	6.36	7.4	SR4	8/21/2017 15:41	30.04	90.4	6.85	7.5	SR4	8/21/2017 21:41	29.48	76.8	5.82	7.5
SR4	8/21/2017 3:46	29.51	81.2	6.15	7.4	SR4	8/21/2017 9:46	29.18	75.9	5.75	7.6	SR4	8/21/2017 15:46	30.08	84.7	6.42	8.7	SR4	8/21/2017 21:46	29.47	76.3	5.78	7.4
SR4	8/21/2017 3:51	29.43	82.6	6.26	7.3	SR4	8/21/2017 9:51	29.17	75.9	5.75	8.0	SR4	8/21/2017 15:51	30.07	94.0	7.12	8.1	SR4	8/21/2017 21:51	29.46	77.4	5.86	7.6
SR4	8/21/2017 3:56	29.45	80.3	6.08	8.5	SR4	8/21/2017 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	8/21/2017 0:00	29.77	88.8	6.73	6.3	SR5	8/21/2017 6:00	29.37	82.6	6.26	8.4	SR5	8/21/2017 12:00	30.04	89.9	6.81	4.9	SR5	8/21/2017 18:00	29.92	85.0	6.44	2.4
SR5	8/21/2017 0:05	29.74	92.9	7.04	6.1	SR5	8/21/2017 6:05	29.37	84.3	6.39	7.9	SR5	8/21/2017 12:05	29.89	92.3	6.99	2.8	SR5	8/21/2017 18:05	29.93	87.9	6.66	4.1
SR5	8/21/2017 0:10	29.67	89.2	6.76	6.5	SR5	8/21/2017 6:10	29.35	84.9	6.43	7.2	SR5	8/21/2017 12:10	29.96	87.5	6.63	4.7	SR5	8/21/2017 18:10	29.95	82.2	6.23	3.0
SR5	8/21/2017 0:15	29.56	84.6	6.41	8.6	SR5	8/21/2017 6:15	29.36	79.1	5.99	8.5	SR5	8/21/2017 12:15	29.98	89.4	6.77	3.5	SR5	8/21/2017 18:15	29.95	86.9	6.58	3.0
SR5	8/21/2017 0:20	29.53	85.1	6.45	7.4	SR5	8/21/2017 6:20	29.35	80.9	6.13	7.7	SR5	8/21/2017 12:20	29.98	87.5	6.63	2.1	SR5	8/21/2017 18:20	29.91	87.0	6.59	4.9
SR5	8/21/2017 0:25	29.49	90.2	6.83	6.4	SR5	8/21/2017 6:25	29.35	80.4	6.09	7.3	SR5	8/21/2017 12:25	29.98	93.6	7.09	2.6	SR5	8/21/2017 18:25	29.91	85.9	6.51	4.7
SR5	8/21/2017 0:30	29.46	85.4	6.47	7.9	SR5	8/21/2017 6:30	29.34	80.8	6.12	7.0	SR5	8/21/2017 12:30	29.96	88.8	6.73	3.6	SR5	8/21/2017 18:30	29.92	81.4	6.17	3.4
SR5	8/21/2017 0:35	29.48	89.1	6.75	8.4	SR5	8/21/2017 6:35	29.33	80.5	6.10	6.4	SR5	8/21/2017 12:35	30.01	92.9	7.04	3.0	SR5	8/21/2017 18:35	29.87	81.6	6.18	2.9
SR5	8/21/2017 0:40	29.49	81.7	6.19	6.4	SR5	8/21/2017 6:40	29.33	76.2	5.77	8.6	SR5	8/21/2017 12:40	30.01	89.0	6.74	4.2	SR5	8/21/2017 18:40	29.91	80.0	6.06	4.2
SR5	8/21/2017 0:45	29.47	82.6	6.26	8.8	SR5	8/21/2017 6:45	29.31	77.9	5.90	8.7	SR5	8/21/2017 12:45	29.99	89.8	6.80	2.1	SR5	8/21/2017 18:45	29.87	89.6	6.79	4.6
SR5	8/21/2017 0:50	29.53	89.1	6.75	7.0	SR5	8/21/2017 6:50	29.27	78.1	5.92	6.4	SR5	8/21/2017 12:50	29.99	95.8	7.26	4.3	SR5	8/21/2017 18:50	29.86	81.2	6.15	3.9
SR5	8/21/2017 0:55	29.53	89.4	6.77	7.1	SR5	8/21/2017 6:55	29.31	77.4	5.86	7.1	SR5	8/21/2017 12:55	29.97	88.3	6.69	3.3	SR5	8/21/2017 18:55	29.86	88.4	6.70	3.5
SR5	8/21/2017 1:00	29.49	87.1	6.60	7.6	SR5	8/21/2017 7:00	29.30	82.1	6.22	7.0	SR5	8/21/2017 13:00	29.96	90.8	6.88	2.4	SR5	8/21/2017 19:00	29.89	82.2	6.23	2.7
SR5	8/21/2017 1:05	29.50	92.7	7.02	6.4	SR5	8/21/2017 7:05	29.28	80.4	6.09	7.2	SR5	8/21/2017 13:05	30.00	85.4	6.47	2.2	SR5	8/21/2017 19:05	29.88	83.0	6.29	4.6
SR5	8/21/2017 1:10	29.41	83.2	6.30	6.8	SR5	8/21/2017 7:10	29.27	75.2	5.70	7.0	SR5	8/21/2017 13:10	30.01	94.5	7.16	4.0	SR5	8/21/2017 19:10	29.87	79.7	6.04	3.0
SR5	8/21/2017 1:15	29.41	89.5	6.78	8.3	SR5	8/21/2017 7:15	29.29	73.5	5.57	7.7	SR5	8/21/2017 13:15	29.98	92.1	6.98	4.9	SR5	8/21/2017 19:15	29.86	87.4	6.82	2.4
SR5	8/21/2017 1:20	29.38	89.6	6.79	7.9	SR5	8/21/2017 7:20	29.29	77.0	5.83	7.5	SR5	8/21/2017 13:20	29.98	90.4	6.85	3.4	SR5	8/21/2017 19:20	29.89	79.9	6.05	2.2
SR5	8/21/2017 1:25	29.36	89.1	6.75	6.3	SR5	8/21/2017 7:25	29.27	81.3	6.16	8.1	SR5	8/21/2017 13:25	30.03	88.4	6.70	2.8	SR5	8/21/2017 19:25	29.83	85.5	6.48	2.6
SR5	8/21/2017 1:30	29.33	76.7	5.81	6.9	SR5	8/21/2017 7:30	29.24	76.3	5.78	6.7	SR5	8/21/2017 13:30	30.03	90.7	6.87	2.5	SR5	8/21/2017 19:30	29.83	82.0	6.21	3.6
SR5	8/21/2017 1:35	29.34	82.0	6.21	8.3	SR5	8/21/2017 7:35	29.24	77.2	5.85	7.3	SR5	8/21/2017 13:35	30.00	86.7	6.57	4.4	SR5	8/21/2017 19:35	29.84	82.4	6.24	3.2
SR5	8/21/2017 1:40	29.30	81.8	6.20	7.3	SR5	8/21/2017 7:40	29.24	76.8	5.82	8.4	SR5	8/21/2017 13:40	30.00	92.1	6.98	2.6	SR5	8/21/2017 19:40	29.85	84.3	6.39	4.4
SR5	8/21/2017 1:45	29.26	82.6	6.26	7.3	SR5	8/21/2017 7:45	29.27	78.9	5.98	7.2	SR5	8/21/2017 13:45	30.03	93.2	7.06	4.4	SR5	8/21/2017 19:45	29.85	84.0	6.36	4.6
SR5	8/21/2017 1:50	29.24	82.5	6.25	7.7	SR5	8/21/2017 7:50	29.22	77.2	5.85	6.4	SR5	8/21/2017 13:50	30.01	89.5	6.78	1.8	SR5	8/21/2017 19:50	29.82	86.6	6.56	3.9
SR5	8/21/2017 1:55	29.22	78.8	5.97	7.1	SR5	8/21/2017 7:55	29.24	78.8	5.97	7.3	SR5	8/21/2017 13:55	30.04	84.3	6.39	3.5	SR5	8/21/2017 19:55	29.80	79.2	6.00	4.9
SR5	8/21/2017 2:00	29.22	76.8	5.82	8.5	SR5	8/21/2017 8:00	29.25	79.3	6.01	8.5	SR5	8/21/2017 14:00	30.03	89.6	6.79	4.2	SR5	8/21/2017 20:00	29.81	80.1	6.07	4.8
SR5	8/21/2017 2:05	29.23	80.0	6.06	8.4	SR5	8/21/2017 8:05	29.24	74.7	5.66	7.9	SR5	8/21/2017 14:05	30.05	86.6	6.56	3.4	SR5	8/21/2017 20:05	29.82	82.1	6.22	2.3
SR5	8/21/2017 2:10	29.23	76.8	5.82	7.8	SR5	8/21/2017 8:10	29.25	82.5	6.25	8.3	SR5	8/21/2017 14:10	30.02	87.8	6.65	4.9	SR5	8/21/2017 20:10	29.79	80.3	6.08	3.9
SR5	8/21/2017 2:15	29.23	77.9	5.90	8.4	SR5	8/21/2017 8:15	29.32	79.6	6.03	6.4	SR5	8/21/2017 14:15	30.06	93.2	7.06	3.1	SR5	8/21/2017 20:15	29.77	85.8	6.50	5.4
SR5	8/21/2017 2:20	29.23	77.9	5.90	8.0	SR5	8/21/2017 8:20	29.33	79.1	5.99	5.7	SR5	8/21/2017 14:20	30.04	90.6	6.86	2.2	SR5	8/21/2017 20:20	29.77	80.0	6.06	4.2
SR5	8/21/2017 2:25	29.22	76.0	5.76	7.2	SR5	8/21/2017 8:25	29.38	81.3	6.16	5.4	SR5	8/21/2017 14:25	30.04	91.7	6.95	4.3	SR5	8/21/2017 20:25	29.78	87.3	6.61	1.6
SR5	8/21/2017 2:30	29.21	76.6	5.80	8.1	SR5	8/21/2017 8:30	29.42	80.5	6.10	5.4	SR5	8/21/2017 14:30	30.03	87.8	6.65	1.8	SR5	8/21/2017 20:30	29.78	86.3	6.54	2.5
SR5	8/21/2017 2:35	29.21	80.9	6.13	8.7	SR5	8/21/2017 8:35	29.42	87.4	6.62	5.7	SR5	8/21/2017 14:35	30.03	86.1	6.52	2.1	SR5	8/21/2017 20:35	29.77	86.1	6.52	4.5
SR5	8/21/2017 2:40	29.20	73.1	5.54	6.1	SR5	8/21/2017 8:40	29.42	85.8	6.50	5.1	SR5	8/21/2017 14:40	30.00	85.9	6.51	3.9	SR5	8/21/2017 20:40	29.73	79.9	6.05	4.1
SR5	8/21/2017 2:45	29.17	78.3	5.93	6.4	SR5	8/21/2017 8:45	29.47	84.1	6.37	6.4	SR5	8/21/2017 14:45	30.03	87.4	6.62	2.0	SR5	8/21/2017 20:45	29.76	87.8	6.65	4.9
SR5	8/21/2017 2:50	29.16	77.0	5.83	8.5	SR5	8/21/2017 8:50	29.49	84.7	6.42	5.6	SR5	8/21/2017 14:50	30.03	90.0	6.82	2.4	SR5	8/21/2017 20:50	29.77	85.9	6.51	4.6
SR5	8/21/2017 2:55	29.15	79.2	6.00	7.5	SR5	8/21/2017 8:55	29.51	82.2	6.23	6.4	SR5	8/21/2017 14:55	30.04	86.9	6.58	2.2	SR5	8/21/2017 20:55	29.72	82.9	6.28	5.3
SR5	8/21/2017 3:00	29.22	79.6	6.03	7.9	SR5	8/21/2017 9:00	29.51	88.4	6.70	4.7	SR5	8/21/2017 15:00	29.99	87.8	6.65	2.7	SR5	8/21/2017 21:00	29.77	79.5	6.02	4.2
SR5	8/21/2017 3:05	29.25	74.2	5.62	8.3	SR5	8/21/2017 9:05	29.47	83.2	6.30	5.0	SR5	8/21/2017 15:05	30.05	87.5	6.63	3.6	SR5	8/21/2017 21:05	29.74	83.2	6.30	5.3
SR5	8/21/2017 3:10	29.19	74.7	5.66	8.2	SR5	8/21/2017 9:10	29.46	83.0	6.29	6.4	SR5	8/21/2017 15:10	30.01	93.5	7.08	2.0	SR5	8/21/2017 21:10	29.73	86.1	6.52	3.8
SR5	8/21/2017 3:15	29.17	74.2	5.62	6.2	SR5	8/21/2017 9:15	29.48	85.0	6.44	4.8	SR5	8/21/2017 15:15	30.03	92.9	7.04	2.3	SR5	8/21/2017 21:15	29.76	78.5	5.95	4.0
SR5	8/21/2017 3:20	29.16	72.7	5.51	8.7	SR5	8/21/2017 9:20	29.54	85.3	6.46	6.2	SR5	8/21/2017 15:20	30.01	84.0	6.36	2.4	SR5	8/21/2017 21:20	29.72	79.3	6.01	4.6
SR5	8/21/2017 3:25	29.15	74.2	5.62	7.9	SR5	8/21/2017 9:25	29.39	89.1	6.75	4.4	SR5	8/21/2017 15:25	30.01	91.7	6.95	4.4	SR5	8/21/2017 21:25	29.73	80.8	6.12	3.3
SR5	8/21/2017 3:30	29.17	76.4	5.79	7.7	SR5	8/21/2017 9:30	29.23	85.3	6.46	6.4	SR5	8/21/2017 15:30	30.03	93.9	7.11	4.4	SR5	8/21/2017 21:30	29.73	81.8	6.20	3.6
SR5	8/21/2017 3:35	29.17	71.5	5.42	8.3	SR5	8/21/2017 9:35	29.50	86.2	6.53	4.8	SR5	8/21/2017 15:35	30.02	90.2	6.83	2.6	SR5	8/21/2017 21:35	29.70	78.8	5.97	1.4
SR5	8/21/2017 3:40	29.22	79.6	6.03	8.5	SR5	8/21/2017 9:40	29.48	89.1	6.75	5.2	SR5	8/21/2017 15:40	30.04	88.0	6.67	4.9	SR5	8/21/2017 21:40	29.74	81.6	6.18	5.5
SR5	8/21/2017 3:45	29.37	79.6	6.03	8.6	SR5	8/21/2017 9:45	29.66	92.3	6.99	4.6	SR5	8/21/2017 15:45	30.05	86.3	6.54	4.8	SR5	8/21/2017 21:45	29.72	81.2	6.15	5.2
SR5	8/21/2017 3:50	29.44	77.7	5.89	6.8	SR5	8/21/2017 9:50	29.36	90.6	6.86	5.3	SR5	8/21/2017 15:50	30.02	88.7	6.72	4.4	SR5	8/21/2017 21:50	29.69	85.3	6.46	4.9
SR5	8/21/2017 3:55	29.41	82.1	6.22	6.5	SR5	8/21/2017 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	8/21/2017 0:01	29.65	73.0	5.53	6.5	SR12	8/21/2017 6:01	29.31	66.0	5.00	8.0	SR12	8/21/2017 12:01	30.37	84.7	6.42	8.1	SR12	8/21/2017 18:01	30.00	85.1	6.45	8.0
SR12	8/21/2017 0:06	29.62	68.9	5.22	7.1	SR12	8/21/2017 6:06	29.29	71.4	5.41	7.6	SR12	8/21/2017 12:06	29.98	93.6	7.09	7.9	SR12	8/21/2017 18:06	30.02	94.5	7.16	7.9
SR12	8/21/2017 0:11	29.55	69.2	5.24	5.7	SR12	8/21/2017 6:11	29.28	71.0	5.38	8.0	SR12	8/21/2017 12:11	30.02	87.1	6.60	8.3	SR12	8/21/2017 18:11	29.99	92.4	7.00	7.9
SR12	8/21/2017 0:16	29.44	74.1	5.61	6.8	SR12	8/21/2017 6:16	29.28	63.5	4.81	7.0	SR12	8/21/2017 12:16	30.12	91.6	6.94	7.8	SR12	8/21/2017 18:16	30.02	91.1	6.90	7.3
SR12	8/21/2017 0:21	29.40	68.0	5.15	7.1	SR12	8/21/2017 6:21	29.27	64.3	4.87	7.6	SR12	8/21/2017 12:21	30.00	87.1	6.60	8.2	SR12	8/21/2017 18:21	30.03	94.2	7.14	8.4
SR12	8/21/2017 0:26	29.35	70.0	5.30	6.1	SR12	8/21/2017 6:26	29.26	69.3	5.25	7.4	SR12	8/21/2017 12:26	30.11	89.8	6.80	7.9	SR12	8/21/2017 18:26	30.04	84.5	6.40	8.3
SR12	8/21/2017 0:31	29.30	71.3	5.40	6.9	SR12	8/21/2017 6:31	29.26	68.5	5.19	7.9	SR12	8/21/2017 12:31	30.05	88.7	6.72	7.7	SR12	8/21/2017 18:31	30.02	84.0	6.36	8.1
SR12	8/21/2017 0:36	29.33	71.1	5.39	6.8	SR12	8/21/2017 6:36	29.26	68.6	5.20	8.2	SR12	8/21/2017 12:36	30.14	87.3	6.61	7.0	SR12	8/21/2017 18:36	30.03	93.3	7.07	8.5
SR12	8/21/2017 0:41	29.32	70.2	5.32	7.8	SR12	8/21/2017 6:41	29.25	66.4	5.03	8.2	SR12	8/21/2017 12:41	30.14	89.4	6.77	8.5	SR12	8/21/2017 18:41	30.01	84.7	6.42	8.4
SR12	8/21/2017 0:46	29.30	72.2	5.47	6.7	SR12	8/21/2017 6:46	29.08	57.9	4.39	7.9	SR12	8/21/2017 12:46	30.10	84.2	6.38	8.8	SR12	8/21/2017 18:46	30.00	84.9	6.43	8.8
SR12	8/21/2017 0:51	29.32	72.6	5.50	6.0	SR12	8/21/2017 6:51	29.08	61.0	4.62	8.4	SR12	8/21/2017 12:51	29.89	85.9	6.51	8.8	SR12	8/21/2017 18:51	30.00	83.8	6.35	7.9
SR12	8/21/2017 0:56	29.45	73.0	5.53	6.9	SR12	8/21/2017 6:56	29.14	61.0	4.62	8.5	SR12	8/21/2017 12:56	29.93	82.5	6.25	8.7	SR12	8/21/2017 18:56	30.00	90.9	6.89	8.6
SR12	8/21/2017 1:01	29.43	73.1	5.54	6.7	SR12	8/21/2017 7:01	29.10	65.9	4.99	7.7	SR12	8/21/2017 13:01	29.89	87.1	6.60	7.1	SR12	8/21/2017 19:01	30.01	88.0	6.67	7.4
SR12	8/21/2017 1:06	29.40	71.3	5.40	6.6	SR12	8/21/2017 7:06	29.19	67.3	5.10	8.4	SR12	8/21/2017 13:06	30.05	90.4	6.85	8.2	SR12	8/21/2017 19:06	30.03	85.4	6.47	8.2
SR12	8/21/2017 1:11	29.34	72.7	5.51	7.1	SR12	8/21/2017 7:11	29.20	63.2	4.79	7.9	SR12	8/21/2017 13:11	30.12	84.1	6.37	8.2	SR12	8/21/2017 19:11	29.98	87.0	6.59	8.3
SR12	8/21/2017 1:16	29.28	71.3	5.40	6.8	SR12	8/21/2017 7:16	29.20	61.2	4.64	8.3	SR12	8/21/2017 13:16	29.91	84.2	6.38	7.4	SR12	8/21/2017 19:16	29.99	92.3	6.99	7.3
SR12	8/21/2017 1:21	29.29	74.6	5.65	7.2	SR12	8/21/2017 7:21	29.19	66.3	5.02	8.4	SR12	8/21/2017 13:21	29.90	78.8	5.97	7.9	SR12	8/21/2017 19:21	29.97	88.8	6.73	8.4
SR12	8/21/2017 1:26	29.27	74.8	5.67	6.4	SR12	8/21/2017 7:26	29.19	64.9	4.92	8.4	SR12						SR12	8/21/2017 19:26	29.96	92.4	7.00	8.4
SR12	8/21/2017 1:31	29.26	72.2	5.47	6.3	SR12	8/21/2017 7:31	29.16	66.5	5.04	8.3	SR12						SR12	8/21/2017 19:31	30.00	83.8	6.35	7.8
SR12	8/21/2017 1:36	29.22	70.8	5.36	6.7	SR12	8/21/2017 7:36	29.14	66.7	5.05	8.3	SR12						SR12	8/21/2017 19:36	29.98	93.6	7.09	7.7
SR12	8/21/2017 1:41	29.17	67.5	5.11	6.1	SR12	8/21/2017 7:41	29.16	67.6	5.12	7.5	SR12						SR12	8/21/2017 19:41	29.98	85.7	6.49	8.5
SR12	8/21/2017 1:46	29.17	62.7	4.75	6.9	SR12	8/21/2017 7:46	29.17	63.4	4.80	8.5	SR12						SR12	8/21/2017 19:46	29.98	87.0	6.59	7.9
SR12	8/21/2017 1:51	29.19	62.2	4.71	7.4	SR12	8/21/2017 7:51	29.07	61.4	4.65	7.6	SR12						SR12	8/21/2017 19:51	29.99	89.8	6.80	8.3
SR12	8/21/2017 1:56	29.15	62.4	4.73	6.6	SR12	8/21/2017 7:56	29.13	63.0	4.77	8.7	SR12						SR12	8/21/2017 19:56	29.98	92.1	6.98	7.8
SR12	8/21/2017 2:01	29.17	64.2	4.86	6.8	SR12	8/21/2017 8:01	29.12	63.5	4.81	8.7	SR12						SR12	8/21/2017 20:01	29.97	85.9	6.51	8.1
SR12	8/21/2017 2:06	29.16	63.9	4.84	6.4	SR12	8/21/2017 8:06	29.07	65.1	4.93	7.8	SR12						SR12	8/21/2017 20:06	29.64	81.0	6.14	8.3
SR12	8/21/2017 2:11	29.16	65.3	4.95	6.4	SR12	8/21/2017 8:11	29.13	65.6	4.97	8.5	SR12						SR12	8/21/2017 20:11	29.66	84.7	6.42	9.0
SR12	8/21/2017 2:16	29.16	68.1	5.16	6.8	SR12	8/21/2017 8:16	29.23	71.4	5.41	8.1	SR12						SR12	8/21/2017 20:16	29.65	80.5	6.10	7.9
SR12	8/21/2017 2:21	29.16	69.0	5.23	7.6	SR12	8/21/2017 8:21	29.24	68.9	5.22	7.5	SR12						SR12	8/21/2017 20:21	29.47	75.5	5.72	9.6
SR12	8/21/2017 2:26	29.16	59.0	4.47	6.6	SR12	8/21/2017 8:26	29.23	68.5	5.19	8.2	SR12						SR12	8/21/2017 20:26	29.47	77.0	5.83	8.8
SR12	8/21/2017 2:31	29.16	64.7	4.90	7.3	SR12	8/21/2017 8:31	29.31	70.5	5.34	7.4	SR12	8/21/2017 14:31	30.03	87.3	6.61	7.3	SR12	8/21/2017 20:31	29.51	82.2	6.23	7.4
SR12	8/21/2017 2:36	29.13	65.1	4.93	6.2	SR12	8/21/2017 8:36	29.31	67.3	5.10	7.2	SR12	8/21/2017 14:36	30.02	87.9	6.66	7.7	SR12	8/21/2017 20:36	29.47	77.2	5.85	7.7
SR12	8/21/2017 2:41	29.11	63.5	4.81	5.6	SR12	8/21/2017 8:41	29.33	72.5	5.49	8.1	SR12	8/21/2017 14:41	30.01	86.6	6.56	8.7	SR12	8/21/2017 20:41	29.46	75.2	5.70	7.6
SR12	8/21/2017 2:46	29.09	66.3	5.02	6.9	SR12	8/21/2017 8:46	29.34	75.2	5.70	8.0	SR12	8/21/2017 14:46	30.03	84.0	6.36	7.9	SR12	8/21/2017 20:46	29.48	80.4	6.09	7.6
SR12	8/21/2017 2:51	29.09	60.6	4.59	6.3	SR12	8/21/2017 8:51	29.42	75.9	5.75	7.3	SR12	8/21/2017 14:51	30.04	84.7	6.42	6.8	SR12	8/21/2017 20:51	29.47	74.8	5.67	8.2
SR12	8/21/2017 2:56	29.08	65.6	4.97	5.7	SR12	8/21/2017 8:56	29.42	68.4	5.18	9.2	SR12	8/21/2017 14:56	30.07	86.5	6.55	7.9	SR12	8/21/2017 20:56	29.45	75.0	5.68	8.0
SR12	8/21/2017 3:01	29.09	61.8	4.68	7.8	SR12	8/21/2017 9:01	29.39	68.6	5.20	8.5	SR12	8/21/2017 15:01	30.03	85.0	6.44	8.5	SR12	8/21/2017 21:01	29.51	81.6	6.18	7.7
SR12	8/21/2017 3:06	29.11	61.2	4.64	7.4	SR12	8/21/2017 9:06	29.36	73.4	5.56	8.0	SR12	8/21/2017 15:06	30.04	82.0	6.21	7.5	SR12	8/21/2017 21:06	29.49	78.4	5.94	8.9
SR12	8/21/2017 3:11	29.10	61.4	4.65	7.9	SR12	8/21/2017 9:11	29.06	69.0	5.23	7.6	SR12	8/21/2017 15:11	30.09	87.9	6.66	8.2	SR12	8/21/2017 21:11	29.48	81.4	6.17	7.9
SR12	8/21/2017 3:16	29.09	64.5	4.89	8.2	SR12	8/21/2017 9:16	29.30	74.6	5.65	8.6	SR12	8/21/2017 15:16	30.09	85.4	6.47	8.0	SR12	8/21/2017 21:16	29.48	76.3	5.78	7.2
SR12	8/21/2017 3:21	29.08	61.5	4.66	8.4	SR12	8/21/2017 9:21	29.10	68.9	5.22	8.9	SR12	8/21/2017 15:21	30.06	82.0	6.21	8.4	SR12	8/21/2017 21:21	29.44	77.1	5.84	7.6
SR12	8/21/2017 3:26	29.09	59.5	4.51	8.4	SR12	8/21/2017 9:26	29.06	72.5	5.49	8.1	SR12	8/21/2017 15:26	30.09	82.9	6.28	8.4	SR12	8/21/2017 21:26	29.45	76.3	5.78	8.6
SR12	8/21/2017 3:31	29.08	65.7	4.98	7.4	SR12	8/21/2017 9:31	29.08	72.5	5.49	7.8	SR12	8/21/2017 15:31	30.09	82.9	6.28	9.1	SR12	8/21/2017 21:31	29.46	80.5	6.10	8.2
SR12	8/21/2017 3:36	29.08	61.4	4.65	9.1	SR12	8/21/2017 9:36	29.17	75.6	5.73	7.7	SR12	8/21/2017 15:36	30.08	82.0	6.21	8.1	SR12	8/21/2017 21:36	29.44	76.0	5.76	8.7
SR12	8/21/2017 3:41	29.08	62.3	4.72	9.0	SR12	8/21/2017 9:41	29.07	71.7	5.43	7.9	SR12	8/21/2017 15:41	29.01	83.2	6.30	8.3	SR12	8/21/2017 21:41	29.48	75.2	5.70	7.7
SR12	8/21/2017 3:46	29.18	64.2	4.86	7.6	SR12	8/21/2017 9:46	29.17	71.0	5.38	9.1	SR12	8/21/2017 15:46	29.45	92.1	6.98	8.3	SR12	8/21/2017 21:46	29.47	80.3	6.08	6.9
SR12	8/21/2017 3:51	29.32	65.3	4.95	8.6	SR12	8/21/2017 9:51	29.14	77.1	5.84	8.8	SR12	8/21/2017 15:51	29.78	91.6	6.94	7.9	SR12	8/21/2017 21:51	29.46	79.7	6.04	7.5
SR12	8/21/2017 3:56	29.19	67.8	5.14	9.0	SR12	8/21/2017 9:56	29.16	73.0	5.53	8.3	SR12	8/21/2017 15:56	29.53	83.4	6.32	8.7	SR12	8/21/2017 21:56	29.53	78.9	5.98	6.9
SR12	8/21/2017 4:01	29.32	68.1	5.16	7.8	SR12	8/21/2017 10:01	29.16	69.4	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)
SR13	8/21/2017 0:00	29.08	82.5	6.25	5.8	SR13	8/21/2017 6:00	29.33	75.1	5.69	6.7	SR13	8/21/2017 12:00	30.69	94.2	7.14	7.6	SR13	8/21/2017 18:00	29.45	76.4	5.79	7.6
SR13	8/21/2017 0:05	29.10	86.6	6.56	5.4	SR13	8/21/2017 6:05	29.33	80.3	6.08	8.2	SR13	8/21/2017 12:05	30.06	92.3	6.99	8.1	SR13	8/21/2017 18:05	29.24	79.6	6.03	7.5
SR13	8/21/2017 0:10	29.10	85.7	6.49	5.2	SR13	8/21/2017 6:10	29.31	80.3	6.08	7.0	SR13	8/21/2017 12:10	30.07	97.4	7.38	7.7	SR13	8/21/2017 18:10	29.49	77.9	5.90	7.4
SR13	8/21/2017 0:15	29.11	85.3	6.46	5.6	SR13	8/21/2017 6:15	29.30	74.6	5.65	7.5	SR13	8/21/2017 12:15	30.26	93.5	7.08	7.4	SR13	8/21/2017 18:15	29.51	78.7	5.96	9.3
SR13	8/21/2017 0:20	29.08	79.3	6.01	5.8	SR13	8/21/2017 6:20	29.29	71.1	5.39	7.6	SR13	8/21/2017 12:20	30.02	95.2	7.21	6.9	SR13	8/21/2017 18:20	29.20	76.0	5.76	7.0
SR13	8/21/2017 0:25	29.09	87.4	6.62	6.0	SR13	8/21/2017 6:25	29.29	79.2	6.00	7.1	SR13	8/21/2017 12:25	30.23	89.2	6.76	7.1	SR13	8/21/2017 18:25	29.43	77.5	5.87	8.5
SR13	8/21/2017 0:30	29.10	87.8	6.65	6.1	SR13	8/21/2017 6:30	29.30	71.1	5.39	7.9	SR13	8/21/2017 12:30	30.14	94.0	7.12	7.7	SR13	8/21/2017 18:30	29.37	71.7	5.43	7.3
SR13	8/21/2017 0:35	29.06	77.9	5.90	6.1	SR13	8/21/2017 6:35	29.30	74.4	5.64	6.8	SR13	8/21/2017 12:35	30.26	91.1	6.90	7.1	SR13	8/21/2017 18:35	29.17	78.3	5.93	8.3
SR13	8/21/2017 0:40	29.06	80.9	6.13	6.0	SR13	8/21/2017 6:40	29.30	76.3	5.78	7.5	SR13	8/21/2017 12:40	30.27	96.9	7.34	7.9	SR13	8/21/2017 18:40	29.49	78.4	5.94	8.9
SR13	8/21/2017 0:45	29.09	86.1	6.52	5.2	SR13	8/21/2017 6:45	29.30	70.2	5.32	6.8	SR13	8/21/2017 12:45	30.21	94.8	7.18	8.0	SR13	8/21/2017 18:45	29.33	71.5	5.42	7.2
SR13	8/21/2017 0:50	29.13	79.6	6.03	6.4	SR13	8/21/2017 6:50	29.19	72.3	5.48	7.3	SR13	8/21/2017 12:50	29.78	92.9	7.04	7.8	SR13	8/21/2017 18:50	29.17	78.4	5.94	7.6
SR13	8/21/2017 0:55	29.11	86.5	6.55	5.1	SR13	8/21/2017 6:55	29.19	73.5	5.57	8.5	SR13	8/21/2017 12:55	29.88	86.1	6.52	7.6	SR13	8/21/2017 18:55	29.36	76.8	5.82	8.4
SR13	8/21/2017 1:00	29.25	88.4	6.70	7.0	SR13	8/21/2017 7:00	29.20	74.2	5.62	8.3	SR13	8/21/2017 13:00	29.81	91.7	6.95	7.8	SR13	8/21/2017 19:00	29.39	79.7	6.04	8.1
SR13	8/21/2017 1:05	29.26	88.2	6.68	5.7	SR13	8/21/2017 7:05	29.22	77.7	5.89	7.5	SR13	8/21/2017 13:05	30.09	85.5	6.48	9.0	SR13	8/21/2017 19:05	29.34	73.3	5.55	8.0
SR13	8/21/2017 1:10	29.30	84.9	6.43	5.0	SR13	8/21/2017 7:10	29.22	73.9	5.60	7.7	SR13	8/21/2017 13:10	30.23	93.7	7.10	8.5	SR13	8/21/2017 19:10	29.41	74.7	5.66	7.5
SR13	8/21/2017 1:15	29.29	84.3	6.39	6.2	SR13	8/21/2017 7:15	29.21	71.1	5.39	7.7	SR13	8/21/2017 13:15	29.83	85.5	6.48	8.3	SR13	8/21/2017 19:15	29.32	73.9	5.60	8.8
SR13	8/21/2017 1:20	29.16	78.8	5.97	5.6	SR13	8/21/2017 7:20	29.21	74.1	5.61	8.8	SR13	8/21/2017 13:20	29.82	90.8	6.88	7.3	SR13	8/21/2017 19:20	29.34	74.6	5.65	7.0
SR13	8/21/2017 1:25	29.20	82.0	6.21	5.2	SR13	8/21/2017 7:25	29.13	70.6	5.35	8.1	SR13	8/21/2017 13:25	30.13	91.5	6.93	7.6	SR13	8/21/2017 19:25	29.07	75.8	5.74	7.8
SR13	8/21/2017 1:30	29.20	72.2	5.47	6.3	SR13	8/21/2017 7:30	29.16	77.4	5.86	8.2	SR13	8/21/2017 13:30	30.19	87.6	6.64	8.3	SR13	8/21/2017 19:30	29.26	79.6	6.03	7.8
SR13	8/21/2017 1:35	29.19	75.9	5.75	6.0	SR13	8/21/2017 7:35	29.24	83.0	6.29	8.3	SR13	8/21/2017 13:35	29.76	80.3	6.08	7.1	SR13	8/21/2017 19:35	29.08	75.9	5.75	6.8
SR13	8/21/2017 1:40	29.24	69.7	5.28	7.1	SR13	8/21/2017 7:40	29.27	80.3	6.08	8.7	SR13	8/21/2017 13:40	29.78	86.3	6.54	7.5	SR13	8/21/2017 19:40	29.21	75.9	5.75	7.6
SR13	8/21/2017 1:45	29.22	78.0	5.91	4.8	SR13	8/21/2017 7:45	29.27	77.4	5.86	8.4	SR13	8/21/2017 13:45	29.91	81.0	6.14	7.4	SR13	8/21/2017 19:45	29.12	73.9	5.60	9.0
SR13	8/21/2017 1:50	29.21	80.9	6.13	5.1	SR13	8/21/2017 7:50	29.15	74.4	5.64	7.1	SR13	8/21/2017 13:50	29.73	85.3	6.46	7.5	SR13	8/21/2017 19:50	29.18	74.6	5.65	7.8
SR13	8/21/2017 1:55	29.22	80.0	6.06	6.3	SR13	8/21/2017 7:55	29.11	78.5	5.95	8.0	SR13	8/21/2017 13:55	29.94	82.1	6.22	7.7	SR13	8/21/2017 19:55	29.24	74.4	5.64	8.0
SR13	8/21/2017 2:00	29.23	76.7	5.81	5.5	SR13	8/21/2017 8:00	29.14	72.5	5.49	6.8	SR13	8/21/2017 14:00	30.03	77.6	5.88	8.6	SR13	8/21/2017 20:00	29.20	73.4	5.56	8.2
SR13	8/21/2017 2:05	29.22	80.7	6.11	6.2	SR13	8/21/2017 8:05	29.14	71.5	5.42	7.7	SR13	8/21/2017 14:05	29.94	78.3	5.93	7.8	SR13	8/21/2017 20:05	29.16	79.1	5.99	7.4
SR13	8/21/2017 2:10	29.22	76.7	5.81	6.1	SR13	8/21/2017 8:10	29.12	80.9	6.13	8.3	SR13	8/21/2017 14:10	29.89	80.5	6.10	6.9	SR13	8/21/2017 20:10	29.24	79.2	6.00	7.8
SR13	8/21/2017 2:15	29.21	72.5	5.49	6.6	SR13	8/21/2017 8:15	29.19	75.4	5.71	8.0	SR13	8/21/2017 14:15	30.03	82.4	6.24	8.1	SR13	8/21/2017 20:15	29.22	78.0	5.91	8.3
SR13	8/21/2017 2:20	29.20	71.9	5.45	5.1	SR13	8/21/2017 8:20	29.18	78.9	5.98	8.8	SR13	8/21/2017 14:20	29.71	84.2	6.38	8.7	SR13	8/21/2017 20:20	29.16	77.2	5.85	8.8
SR13	8/21/2017 2:25	29.19	70.6	5.35	5.6	SR13	8/21/2017 8:25	29.17	81.4	6.17	7.9	SR13	8/21/2017 14:25	29.86	84.1	6.37	7.6	SR13	8/21/2017 20:25	29.16	78.4	5.94	7.8
SR13	8/21/2017 2:30	29.20	77.4	5.86	5.2	SR13	8/21/2017 8:30	29.24	79.1	5.99	9.1	SR13	8/21/2017 14:30	29.75	81.6	6.18	8.7	SR13	8/21/2017 20:30	29.24	71.9	5.45	8.1
SR13	8/21/2017 2:35	29.19	70.5	5.34	5.1	SR13	8/21/2017 8:35	29.27	79.3	6.01	7.9	SR13	8/21/2017 14:35	29.85	83.4	6.32	7.1	SR13	8/21/2017 20:35	29.16	73.4	5.56	7.3
SR13	8/21/2017 2:40	29.19	77.6	5.88	6.2	SR13	8/21/2017 8:40	29.28	81.7	6.19	7.3	SR13	8/21/2017 14:40	29.67	80.8	6.12	8.3	SR13	8/21/2017 20:40	29.18	73.7	5.58	7.5
SR13	8/21/2017 2:45	29.19	71.0	5.38	6.6	SR13	8/21/2017 8:45	29.27	81.0	6.14	7.9	SR13	8/21/2017 14:45	29.85	79.6	6.03	7.1	SR13	8/21/2017 20:45	29.20	79.5	6.02	9.0
SR13	8/21/2017 2:50	29.15	78.7	5.96	6.4	SR13	8/21/2017 8:50	29.29	83.2	6.30	7.4	SR13	8/21/2017 14:50	29.71	82.5	6.25	7.3	SR13	8/21/2017 20:50	29.17	75.0	5.68	7.9
SR13	8/21/2017 2:55	29.16	74.4	5.64	6.1	SR13	8/21/2017 8:55	29.31	74.8	5.67	7.3	SR13	8/21/2017 14:55	29.95	77.5	5.87	7.1	SR13	8/21/2017 20:55	29.17	76.4	5.79	7.1
SR13	8/21/2017 3:00	29.16	73.7	5.58	5.3	SR13	8/21/2017 9:00	29.44	77.9	5.90	8.9	SR13	8/21/2017 15:00	29.63	83.7	6.34	8.0	SR13	8/21/2017 21:00	29.24	73.3	5.55	8.0
SR13	8/21/2017 3:05	29.15	75.6	5.73	5.7	SR13	8/21/2017 9:05	29.37	74.7	5.66	7.0	SR13	8/21/2017 15:05	29.90	87.6	6.64	8.0	SR13	8/21/2017 21:05	29.24	73.8	5.59	6.8
SR13	8/21/2017 3:10	29.15	75.8	5.74	5.8	SR13	8/21/2017 9:10	29.34	69.4	5.26	7.4	SR13	8/21/2017 15:10	29.90	82.0	6.21	6.5	SR13	8/21/2017 21:10	29.23	74.6	5.65	8.0
SR13	8/21/2017 3:15	29.14	72.6	5.50	5.3	SR13	8/21/2017 9:15	29.42	84.0	6.36	9.1	SR13	8/21/2017 15:15	29.61	87.5	6.63	8.2	SR13	8/21/2017 21:15	29.19	76.8	5.82	7.5
SR13	8/21/2017 3:20	29.14	77.9	5.90	6.8	SR13	8/21/2017 9:20	29.39	79.6	6.03	7.7	SR13	8/21/2017 15:20	29.74	78.8	5.97	8.1	SR13	8/21/2017 21:20	29.15	70.8	5.36	6.9
SR13	8/21/2017 3:25	29.14	72.7	5.51	6.1	SR13	8/21/2017 9:25	29.15	71.4	5.41	7.2	SR13	8/21/2017 15:25	29.64	82.8	6.27	7.8	SR13	8/21/2017 21:25	29.17	74.1	5.61	9.0
SR13	8/21/2017 3:30	29.14	72.2	5.47	6.2	SR13	8/21/2017 9:30	29.11	73.0	5.53	8.7	SR13	8/21/2017 15:30	29.73	79.6	6.03	7.5	SR13	8/21/2017 21:30	29.19	76.7	5.81	8.1
SR13	8/21/2017 3:35	29.14	72.7	5.51	6.0	SR13	8/21/2017 9:35	29.42	82.4	6.24	8.0	SR13	8/21/2017 15:35	29.59	84.7	6.42	7.8	SR13	8/21/2017 21:35	29.17	76.2	5.77	7.2
SR13	8/21/2017 3:40	29.14	78.0	5.91	6.4	SR13	8/21/2017 9:40	29.26	77.0	5.83	8.5	SR13						SR13	8/21/2017 21:40	29.22	76.6	5.80	7.7
SR13	8/21/2017 3:45	29.15	76.8	5.82	6.1	SR13	8/21/2017 9:45	29.07	68.5	5.19	7.0	SR13						SR13	8/21/2017 21:45	29.22	76.7	5.81	8.7
SR13	8/21/2017 3:50	29.14	77.9	5.90	6.0	SR13	8/21/2017 9:50	28.92	71.0	5.38	8.4	SR13						SR13	8/21/2017 21:50	29.23	75.9	5.75	8.9
SR13	8/2																						

24-hr Water Quality Monitoring

Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/21/2017 0:17	0.05				SR12	8/21/2017 0:17	0.08			
SR4	8/21/2017 0:37	0.08				SR12	8/21/2017 0:37	0.09			
SR4	8/21/2017 0:57	0.06				SR12	8/21/2017 0:57	0.12			
SR4	8/21/2017 1:17	0.08				SR12	8/21/2017 1:17	0.09			
SR4	8/21/2017 1:37	0.05				SR12	8/21/2017 1:37	0.09			
SR4	8/21/2017 1:57	0.05				SR12	8/21/2017 1:57	0.12			
SR4	8/21/2017 2:17	0.09				SR12	8/21/2017 2:17	0.09			
SR4	8/21/2017 2:37	0.06				SR12	8/21/2017 2:37	0.09			
SR4	8/21/2017 2:57	0.07				SR12	8/21/2017 2:57	0.11			
SR4	8/21/2017 3:17	0.08				SR12	8/21/2017 3:17	0.10			
SR4	8/21/2017 3:37	0.09				SR12	8/21/2017 3:37	0.11			
SR4	8/21/2017 3:57	0.06				SR12	8/21/2017 3:57	0.09			
SR4	8/21/2017 4:17	0.06				SR12	8/21/2017 4:17	0.11			
SR4	8/21/2017 4:37	0.09				SR12	8/21/2017 4:37	0.12			
SR4	8/21/2017 4:57	0.05				SR12	8/21/2017 4:57	0.11			
SR4	8/21/2017 5:17	0.06				SR12	8/21/2017 5:17	0.12			
SR4	8/21/2017 5:37	0.06				SR12	8/21/2017 5:37	0.10			
SR4	8/21/2017 5:57	0.08				SR12	8/21/2017 5:57	0.08			
SR4						SR12					
SR4	8/21/2017 6:37	0.07				SR12	8/21/2017 6:37	0.11			
SR4	8/21/2017 6:57	0.05				SR12	8/21/2017 6:57	0.09			
SR4	8/21/2017 7:17	0.07				SR12	8/21/2017 7:17	0.12			
SR4	8/21/2017 7:37	0.08				SR12	8/21/2017 7:37	0.11			
SR4	8/21/2017 7:57	0.10				SR12	8/21/2017 7:57	0.12			
SR4	8/21/2017 8:17	0.08				SR12	8/21/2017 8:17	0.10			
SR4	8/21/2017 8:37	0.09				SR12	8/21/2017 8:37	0.08			
SR4	8/21/2017 8:57	0.08				SR12	8/21/2017 8:57	0.12			
SR4	8/21/2017 9:17	0.10				SR12	8/21/2017 9:17	0.09			
SR4	8/21/2017 9:37	0.10				SR12	8/21/2017 9:37	0.08			
SR4	8/21/2017 9:57	0.06				SR12	8/21/2017 9:57	0.08			
SR4						SR12	8/21/2017 10:17	0.09			
SR4						SR12	8/21/2017 10:37	0.11			
SR4						SR12	8/21/2017 10:57	0.12			
SR4						SR12	8/21/2017 11:17	0.08			
SR4						SR12	8/21/2017 11:37	0.08			
SR4	8/21/2017 11:57	0.09				SR12	8/21/2017 11:57	0.09			
SR4	8/21/2017 12:17	0.09				SR12	8/21/2017 12:17	0.10			
SR4	8/21/2017 12:37	0.10				SR12	8/21/2017 12:37	0.12			
SR4	8/21/2017 12:57	0.08				SR12	8/21/2017 12:57	0.11			
SR4	8/21/2017 13:17	0.06				SR12	8/21/2017 13:17	0.11			
SR4	8/21/2017 13:37	0.05				SR12					
SR4	8/21/2017 13:57	0.06				SR12					
SR4	8/21/2017 14:17	0.06				SR12					
SR4	8/21/2017 14:37	0.06				SR12					
SR4	8/21/2017 14:57	0.05				SR12	8/21/2017 14:57	0.12			
SR4	8/21/2017 15:17	0.10				SR12	8/21/2017 15:17	0.11			
SR4	8/21/2017 15:37	0.10				SR12	8/21/2017 15:37	0.08			
SR4	8/21/2017 15:57	0.10				SR12	8/21/2017 15:57	0.08			
SR4	8/21/2017 16:17	0.10				SR12	8/21/2017 16:17	0.10			
SR4	8/21/2017 16:37	0.10				SR12	8/21/2017 16:37	0.09			
SR4	8/21/2017 16:57	0.09				SR12	8/21/2017 16:57	0.11			
SR4	8/21/2017 17:17	0.06				SR12	8/21/2017 17:17	0.12			
SR4	8/21/2017 17:37	0.07				SR12	8/21/2017 17:37	0.11			
SR4	8/21/2017 17:57	0.08				SR12	8/21/2017 17:57	0.11			
SR4	8/21/2017 18:17	0.06				SR12	8/21/2017 18:17	0.12			
SR4	8/21/2017 18:37	0.05				SR12	8/21/2017 18:37	0.11			
SR4	8/21/2017 18:57	0.08				SR12	8/21/2017 18:57	0.10			
SR4	8/21/2017 19:17	0.07				SR12	8/21/2017 19:17	0.12			
SR4	8/21/2017 19:37	0.06				SR12	8/21/2017 19:37	0.08			
SR4	8/21/2017 19:57	0.08				SR12	8/21/2017 19:57	0.11			
SR4	8/21/2017 20:17	0.05				SR12	8/21/2017 20:17	0.11			
SR4	8/21/2017 20:37	0.06				SR12	8/21/2017 20:37	0.12			
SR4	8/21/2017 20:57	0.05				SR12	8/21/2017 20:57	0.12			
SR4	8/21/2017 21:17	0.06				SR12	8/21/2017 21:17	0.08			
SR4	8/21/2017 21:37	0.05				SR12	8/21/2017 21:37	0.08			
SR4	8/21/2017 21:57	0.05				SR12	8/21/2017 21:57	0.08			
SR4	8/21/2017 22:17	0.08				SR12	8/21/2017 22:17	0.10			
SR4	8/21/2017 22:37	0.07				SR12	8/21/2017 22:37	0.09			
SR4	8/21/2017 22:57	0.08				SR12	8/21/2017 22:57	0.12			
SR4	8/21/2017 23:17	0.08				SR12	8/21/2017 23:17	0.08			
SR4	8/21/2017 23:37	0.08				SR12	8/21/2017 23:37	0.10			
SR4	8/21/2017 23:57	0.05				SR12	8/21/2017 23:57	0.11			

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 10:11-11:26.

SR12 monitoring station was under maintenance during 13:21-14:31.

SR13 monitoring station was under maintenance during 15:35-15:55.

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	8/22/2017 0:01	29.13	69.6	5.27	8.4	SR4	8/22/2017 6:01	28.70	64.9	4.92	9.0	SR4	8/22/2017 12:01	29.60	70.5	5.34	5.4	SR4	8/22/2017 18:01	30.56	73.8	5.59	7.1
SR4	8/22/2017 0:06	29.13	65.5	4.96	8.8	SR4	8/22/2017 6:06	28.67	64.7	4.90	7.8	SR4	8/22/2017 12:06	29.71	66.8	5.06	4.7	SR4	8/22/2017 18:06	30.52	68.9	5.22	8.4
SR4	8/22/2017 0:11	29.12	67.5	5.11	8.9	SR4	8/22/2017 6:11	28.69	63.1	4.78	9.2	SR4	8/22/2017 12:11	29.78	68.8	5.21	5.4	SR4	8/22/2017 18:11	30.53	71.7	5.43	7.5
SR4	8/22/2017 0:16	29.11	66.4	5.03	8.9	SR4	8/22/2017 6:16	28.69	68.0	5.15	9.3	SR4	8/22/2017 12:16	29.90	76.3	5.78	6.0	SR4	8/22/2017 18:16	30.50	71.5	5.42	8.6
SR4	8/22/2017 0:21	29.10	70.2	5.32	7.2	SR4	8/22/2017 6:21	28.73	67.8	5.14	9.3	SR4	8/22/2017 12:21	29.96	72.5	5.49	6.4	SR4	8/22/2017 18:21	30.51	73.0	5.53	8.2
SR4	8/22/2017 0:26	29.08	69.2	5.24	7.8	SR4	8/22/2017 6:26	28.75	68.8	5.21	8.1	SR4	8/22/2017 12:26	29.95	73.8	5.59	8.1	SR4	8/22/2017 18:26	30.47	67.3	5.10	7.8
SR4	8/22/2017 0:31	29.07	65.9	4.99	8.5	SR4	8/22/2017 6:31	28.77	66.8	5.06	8.6	SR4	8/22/2017 12:31	30.02	73.1	5.54	7.7	SR4	8/22/2017 18:31	30.54	71.8	5.44	8.2
SR4	8/22/2017 0:36	29.05	70.9	5.37	7.7	SR4	8/22/2017 6:36	28.79	67.6	5.12	8.4	SR4	8/22/2017 12:36	29.97	74.7	5.66	6.8	SR4	8/22/2017 18:36	30.45	65.1	4.93	8.1
SR4	8/22/2017 0:41	29.05	70.5	5.34	7.5	SR4	8/22/2017 6:41	28.78	64.2	4.86	8.8	SR4	8/22/2017 12:41	29.95	73.1	5.54	6.3	SR4	8/22/2017 18:41	30.50	69.0	5.23	7.4
SR4	8/22/2017 0:46	29.06	64.5	4.89	7.4	SR4	8/22/2017 6:46	28.79	66.3	5.02	9.0	SR4	8/22/2017 12:46	30.00	71.7	5.43	7.5	SR4	8/22/2017 18:46	30.47	72.3	5.48	6.4
SR4	8/22/2017 0:51	29.06	71.1	5.39	8.1	SR4	8/22/2017 6:51	28.79	67.7	5.13	7.9	SR4	8/22/2017 12:51	29.98	72.5	5.49	7.7	SR4	8/22/2017 18:51	30.45	71.9	5.45	6.2
SR4	8/22/2017 0:56	29.07	68.8	5.21	7.6	SR4	8/22/2017 6:56	28.80	71.1	5.39	7.9	SR4	8/22/2017 12:56	29.98	65.6	4.97	7.1	SR4	8/22/2017 18:56	30.41	71.9	5.45	6.4
SR4	8/22/2017 1:01	29.07	69.4	5.26	7.8	SR4	8/22/2017 7:01	28.82	69.2	5.24	9.3	SR4	8/22/2017 13:01	30.02	70.2	5.32	4.6	SR4	8/22/2017 19:01	30.32	64.4	4.88	8.0
SR4	8/22/2017 1:06	29.07	66.7	5.05	7.9	SR4	8/22/2017 7:06	28.83	69.8	5.29	7.2	SR4	8/22/2017 13:06	30.11	67.2	5.09	7.9	SR4	8/22/2017 19:06	30.35	65.2	4.94	6.6
SR4	8/22/2017 1:11	29.07	71.1	5.39	8.2	SR4	8/22/2017 7:11	28.83	65.1	4.93	8.2	SR4	8/22/2017 13:11	30.07	71.4	5.41	6.0	SR4	8/22/2017 19:11	30.30	68.0	5.15	8.8
SR4	8/22/2017 1:16	29.06	69.8	5.29	8.5	SR4	8/22/2017 7:16	28.86	64.4	4.88	7.7	SR4	8/22/2017 13:16	29.97	71.0	5.38	7.0	SR4	8/22/2017 19:16	30.27	64.7	4.90	6.4
SR4	8/22/2017 1:21	29.04	69.0	5.23	8.4	SR4	8/22/2017 7:21	28.96	66.8	5.06	7.3	SR4	8/22/2017 13:21	29.87	68.0	5.15	4.7	SR4	8/22/2017 19:21	30.34	71.9	5.45	7.3
SR4	8/22/2017 1:26	29.03	72.2	5.47	9.0	SR4	8/22/2017 7:26	29.02	65.5	4.96	8.1	SR4	8/22/2017 13:26	29.87	70.6	5.35	7.6	SR4	8/22/2017 19:26	30.29	67.7	5.13	6.8
SR4	8/22/2017 1:31	29.03	68.4	5.18	8.4	SR4	8/22/2017 7:31	29.05	63.1	4.78	7.8	SR4	8/22/2017 13:31	29.83	66.5	5.04	7.4	SR4	8/22/2017 19:31	30.30	64.5	4.89	6.9
SR4	8/22/2017 1:36	29.02	72.2	5.47	7.7	SR4	8/22/2017 7:36	29.04	64.3	4.87	8.1	SR4	8/22/2017 13:36	29.91	65.7	4.98	6.6	SR4	8/22/2017 19:36	30.27	69.3	5.25	6.8
SR4	8/22/2017 1:41	29.02	69.2	5.24	9.2	SR4	8/22/2017 7:41	29.04	59.3	4.49	7.7	SR4	8/22/2017 13:41	30.05	70.2	5.32	7.3	SR4	8/22/2017 19:41	30.19	68.1	5.16	7.0
SR4	8/22/2017 1:46	29.00	70.5	5.34	9.0	SR4	8/22/2017 7:46	29.09	64.4	4.88	6.6	SR4	8/22/2017 13:46	30.05	64.5	4.89	6.2	SR4	8/22/2017 19:46	30.23	69.7	5.28	6.8
SR4	8/22/2017 1:51	28.99	66.8	5.06	8.5	SR4	8/22/2017 7:51	29.09	65.3	4.95	4.6	SR4	8/22/2017 13:51	30.06	66.4	5.03	6.1	SR4	8/22/2017 19:51	30.17	64.3	4.87	8.9
SR4	8/22/2017 1:56	28.99	70.9	5.37	8.8	SR4	8/22/2017 7:56	29.09	61.6	4.67	4.9	SR4	8/22/2017 13:56	30.05	65.6	4.97	4.3	SR4	8/22/2017 19:56	30.11	67.6	5.12	8.0
SR4	8/22/2017 2:01	28.99	71.1	5.39	9.3	SR4	8/22/2017 8:01	29.13	64.7	4.90	5.1	SR4	8/22/2017 14:01	30.10	68.0	5.15	6.5	SR4	8/22/2017 20:01	30.10	65.1	4.93	7.8
SR4	8/22/2017 2:06	28.96	68.4	5.18	9.2	SR4	8/22/2017 8:06	29.14	60.2	4.56	6.9	SR4	8/22/2017 14:06	30.15	63.8	4.83	6.2	SR4	8/22/2017 20:06	30.10	63.2	4.79	8.8
SR4	8/22/2017 2:11	28.95	64.4	4.88	7.4	SR4	8/22/2017 8:11	29.16	61.8	4.68	4.8	SR4	8/22/2017 14:11	30.22	64.0	4.85	8.0	SR4	8/22/2017 20:11	30.10	62.8	4.76	6.4
SR4	8/22/2017 2:16	28.96	64.8	4.91	7.5	SR4	8/22/2017 8:16	29.26	64.7	4.90	4.9	SR4	8/22/2017 14:16	30.12	68.6	5.20	5.0	SR4	8/22/2017 20:16	30.09	66.0	5.00	7.7
SR4	8/22/2017 2:21	28.94	72.3	5.48	7.3	SR4	8/22/2017 8:21	29.20	64.5	4.89	6.8	SR4	8/22/2017 14:21	30.24	69.2	5.24	5.6	SR4	8/22/2017 20:21	30.11	66.7	5.05	7.2
SR4	8/22/2017 2:26	28.92	71.3	5.40	8.8	SR4	8/22/2017 8:26	29.11	68.1	5.16	4.5	SR4	8/22/2017 14:26	30.30	66.8	5.06	6.4	SR4	8/22/2017 20:26	30.06	67.1	5.08	8.5
SR4	8/22/2017 2:31	28.91	71.8	5.44	7.5	SR4	8/22/2017 8:31	29.08	71.1	5.39	4.5	SR4	8/22/2017 14:31	30.31	63.2	4.79	7.4	SR4	8/22/2017 20:31	30.05	67.8	5.14	8.8
SR4	8/22/2017 2:36	28.92	64.9	4.92	7.1	SR4	8/22/2017 8:36	29.10	72.1	5.46	7.5	SR4	8/22/2017 14:36	30.28	66.8	5.06	8.0	SR4	8/22/2017 20:36	30.11	70.9	5.37	6.7
SR4	8/22/2017 2:41	28.91	64.8	4.91	7.4	SR4	8/22/2017 8:41	29.14	66.1	5.01	8.2	SR4	8/22/2017 14:41	30.30	69.3	5.25	8.0	SR4	8/22/2017 20:41	30.15	66.0	5.00	7.8
SR4	8/22/2017 2:46	28.89	72.9	5.52	8.6	SR4	8/22/2017 8:46	29.12	73.0	5.53	7.9	SR4	8/22/2017 14:46	30.32	69.4	5.26	7.4	SR4	8/22/2017 20:46	30.12	69.2	5.24	6.2
SR4	8/22/2017 2:51	28.89	71.0	5.38	8.9	SR4	8/22/2017 8:51	29.10	65.2	4.94	7.1	SR4	8/22/2017 14:51	30.36	62.6	4.74	7.4	SR4	8/22/2017 20:51	30.10	69.6	5.27	7.0
SR4	8/22/2017 2:56	28.88	68.5	5.19	8.1	SR4	8/22/2017 8:56	29.09	72.2	5.47	7.7	SR4	8/22/2017 14:56	30.38	65.1	4.93	7.5	SR4	8/22/2017 20:56	30.12	70.5	5.34	7.8
SR4	8/22/2017 3:01	28.88	69.7	5.28	7.1	SR4	8/22/2017 9:01	29.10	67.3	5.10	5.2	SR4	8/22/2017 15:01	30.37	65.7	4.98	8.4	SR4	8/22/2017 21:01	30.10	70.0	5.30	6.3
SR4	8/22/2017 3:06	28.90	72.6	5.50	8.7	SR4	8/22/2017 9:06	29.10	65.6	4.97	7.8	SR4	8/22/2017 15:06	30.38	65.5	4.96	7.9	SR4	8/22/2017 21:06	30.10	66.1	5.01	7.9
SR4	8/22/2017 3:11	28.91	65.6	4.97	9.2	SR4	8/22/2017 9:11	29.12	71.9	5.45	7.8	SR4	8/22/2017 15:11	30.40	70.5	5.34	8.6	SR4	8/22/2017 21:11	30.11	71.9	5.45	7.7
SR4	8/22/2017 3:16	28.92	64.7	4.90	7.6	SR4	8/22/2017 9:16	29.12	69.7	5.28	6.9	SR4	8/22/2017 15:16	30.40	66.4	5.03	7.7	SR4	8/22/2017 21:16	30.00	68.6	5.20	6.7
SR4	8/22/2017 3:21	28.91	69.3	5.25	8.5	SR4	8/22/2017 9:21	29.11	68.1	5.16	5.3	SR4	8/22/2017 15:21	30.39	70.2	5.32	7.3	SR4	8/22/2017 21:21	30.01	63.8	4.83	8.5
SR4	8/22/2017 3:26	28.92	69.6	5.27	7.2	SR4	8/22/2017 9:26	29.20	68.1	5.16	6.4	SR4	8/22/2017 15:26	30.37	62.8	4.76	8.3	SR4	8/22/2017 21:26	29.94	62.8	4.76	6.6
SR4	8/22/2017 3:31	28.93	70.4	5.33	8.6	SR4	8/22/2017 9:31	29.19	71.8	5.44	8.1	SR4	8/22/2017 15:31	30.45	66.1	5.01	7.6	SR4	8/22/2017 21:31	29.91	67.8	5.14	7.5
SR4	8/22/2017 3:36	28.93	67.3	5.10	8.3	SR4	8/22/2017 9:36	29.19	70.2	5.32	6.7	SR4	8/22/2017 15:36	30.50	69.2	5.24	7.6	SR4	8/22/2017 21:36	29.85	66.9	5.07	7.6
SR4	8/22/2017 3:41	28.95	68.6	5.20	7.3	SR4	8/22/2017 9:41	29.17	72.6	5.50	7.1	SR4	8/22/2017 15:41	30.63	67.2	5.09	8.6	SR4	8/22/2017 21:41	29.82	64.3	4.87	6.6
SR4	8/22/2017 3:46	28.92	68.9	5.22	8.9	SR4	8/22/2017 9:46	29.17	67.3	5.10	4.9	SR4	8/22/2017 15:46	30.66	67.6	5.12	7.7	SR4	8/22/2017 21:46	29.82	63.2	4.79	8.1
SR4	8/22/2017 3:51	28.92	67.6	5.12	7.3	SR4	8/22/2017 9:51	29.21	72.7	5.51	4.9	SR4	8/22/2017 15:51	30.61	66.4	5.03	7.9	SR4	8/22/2017 21:51	29.88	63.2	4.79	8.2
SR4	8/22/2017 3:56	28.92	64.8	4.91	8.3	SR4	8/22/2017 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	8/22/2017 0:00	29.53	75.0	5.68	3.3	SR5	8/22/2017 6:00	29.11	73.3	5.55	5.0	SR5	8/22/2017 12:00	29.51	80.5	6.10	5.1	SR5	8/22/2017 18:00	30.73	80.3	6.08	5.5
SR5	8/22/2017 0:05	29.53	79.5	6.02	2.9	SR5	8/22/2017 6:05	29.10	77.4	5.86	3.8	SR5	8/22/2017 12:05	29.59	75.9	5.75	6.2	SR5	8/22/2017 18:05	30.74	73.7	5.58	5.5
SR5	8/22/2017 0:10	29.51	82.9	6.28	1.5	SR5	8/22/2017 6:10	29.12	77.6	5.88	3.4	SR5	8/22/2017 12:10	29.62	81.3	6.16	5.8	SR5	8/22/2017 18:10	30.71	79.2	6.00	5.9
SR5	8/22/2017 0:15	29.54	77.4	5.86	2.1	SR5	8/22/2017 6:15	29.12	74.1	5.61	2.1	SR5	8/22/2017 12:15	29.68	77.5	5.87	5.7	SR5	8/22/2017 18:15	30.70	80.5	6.10	5.7
SR5	8/22/2017 0:20	29.54	80.9	6.13	5.4	SR5	8/22/2017 6:20	29.11	78.3	5.93	4.1	SR5	8/22/2017 12:20	29.84	82.2	6.23	5.4	SR5	8/22/2017 18:20	30.70	77.6	5.88	5.6
SR5	8/22/2017 0:25	29.52	75.6	5.73	5.0	SR5	8/22/2017 6:25	29.09	80.5	6.10	2.3	SR5	8/22/2017 12:25	29.88	75.4	5.71	5.4	SR5	8/22/2017 18:25	30.70	80.4	6.09	5.9
SR5	8/22/2017 0:30	29.53	75.4	5.71	4.5	SR5	8/22/2017 6:30	29.09	80.8	6.12	1.9	SR5	8/22/2017 12:30	29.91	82.5	6.25	5.0	SR5	8/22/2017 18:30	30.71	75.9	5.75	5.3
SR5	8/22/2017 0:35	29.52	81.4	6.17	5.5	SR5	8/22/2017 6:35	29.09	74.1	5.61	3.5	SR5	8/22/2017 12:35	29.94	74.2	5.62	6.3	SR5	8/22/2017 18:35	30.73	73.7	5.58	4.9
SR5	8/22/2017 0:40	29.49	78.9	5.98	3.3	SR5	8/22/2017 6:40	29.09	75.8	5.74	2.0	SR5	8/22/2017 12:40	29.94	75.6	5.73	6.2	SR5	8/22/2017 18:40	30.74	80.5	6.10	4.7
SR5	8/22/2017 0:45	29.49	76.3	5.78	5.2	SR5	8/22/2017 6:45	29.09	72.3	5.48	3.2	SR5	8/22/2017 12:45	29.95	80.7	6.11	5.8	SR5	8/22/2017 18:45	30.73	78.9	5.98	4.3
SR5	8/22/2017 0:50	29.48	73.9	5.60	3.2	SR5	8/22/2017 6:50	29.09	75.1	5.69	4.4	SR5	8/22/2017 12:50	29.98	72.3	5.48	6.1	SR5	8/22/2017 18:50	30.74	75.0	5.68	5.1
SR5	8/22/2017 0:55	29.48	73.1	5.54	4.1	SR5	8/22/2017 6:55	29.09	74.6	5.65	1.5	SR5	8/22/2017 12:55	29.98	72.7	5.51	5.9	SR5	8/22/2017 18:55	30.75	73.9	5.60	4.6
SR5	8/22/2017 1:00	29.46	78.3	5.93	3.6	SR5	8/22/2017 7:00	29.09	74.8	5.67	4.1	SR5	8/22/2017 13:00	29.97	72.1	5.46	6.4	SR5	8/22/2017 19:00	30.72	75.5	5.72	4.9
SR5	8/22/2017 1:05	29.46	80.5	6.10	4.7	SR5	8/22/2017 7:05	29.07	84.6	6.41	4.5	SR5	8/22/2017 13:05	30.00	73.1	5.54	5.6	SR5	8/22/2017 19:05	30.74	74.8	5.67	4.1
SR5	8/22/2017 1:10	29.45	72.5	5.49	5.4	SR5	8/22/2017 7:10	29.06	81.4	6.17	2.1	SR5	8/22/2017 13:10	30.01	80.9	6.13	6.4	SR5	8/22/2017 19:10	30.74	79.6	6.03	4.5
SR5	8/22/2017 1:15	29.46	78.3	5.93	2.9	SR5	8/22/2017 7:15	29.07	81.3	6.16	4.4	SR5	8/22/2017 13:15	30.01	81.8	6.20	5.8	SR5	8/22/2017 19:15	30.73	73.0	5.53	4.7
SR5	8/22/2017 1:20	29.46	76.7	5.81	3.9	SR5	8/22/2017 7:20	29.09	78.0	5.91	2.2	SR5	8/22/2017 13:20	30.01	74.2	5.62	5.2	SR5	8/22/2017 19:20	30.72	79.7	6.04	4.2
SR5	8/22/2017 1:25	29.46	77.9	5.90	2.7	SR5	8/22/2017 7:25	29.09	75.8	5.74	2.8	SR5	8/22/2017 13:25	30.01	75.5	5.72	6.3	SR5	8/22/2017 19:25	30.69	79.9	6.05	3.9
SR5	8/22/2017 1:30	29.43	80.8	6.12	4.1	SR5	8/22/2017 7:30	29.10	74.4	5.64	3.5	SR5	8/22/2017 13:30	29.98	72.9	5.52	5.1	SR5	8/22/2017 19:30	30.69	77.0	5.83	5.3
SR5	8/22/2017 1:35	29.43	76.8	5.82	1.4	SR5	8/22/2017 7:35	29.13	77.5	5.87	2.5	SR5	8/22/2017 13:35	29.98	75.1	5.69	5.9	SR5	8/22/2017 19:35	30.69	73.9	5.60	4.8
SR5	8/22/2017 1:40	29.43	79.2	6.00	4.5	SR5	8/22/2017 7:40	29.14	75.9	5.75	4.3	SR5	8/22/2017 13:40	29.97	81.2	6.15	5.1	SR5	8/22/2017 19:40	30.67	76.8	5.82	4.4
SR5	8/22/2017 1:45	29.45	81.8	6.20	5.3	SR5	8/22/2017 7:45	29.16	77.0	5.83	5.5	SR5	8/22/2017 13:45	29.92	81.0	6.14	5.6	SR5	8/22/2017 19:45	30.68	80.5	6.10	5.3
SR5	8/22/2017 1:50	29.43	73.8	5.59	4.3	SR5	8/22/2017 7:50	29.15	80.8	6.12	5.4	SR5	8/22/2017 13:50	29.90	75.4	5.71	5.4	SR5	8/22/2017 19:50	30.66	74.7	5.66	3.9
SR5	8/22/2017 1:55	29.43	77.0	5.83	1.7	SR5	8/22/2017 7:55	29.18	75.8	5.74	4.0	SR5	8/22/2017 13:55	29.84	74.6	5.65	5.9	SR5	8/22/2017 19:55	30.65	76.8	5.82	4.4
SR5	8/22/2017 2:00	29.43	76.0	5.76	2.5	SR5	8/22/2017 8:00	29.21	82.0	6.21	5.5	SR5	8/22/2017 14:00	29.82	80.9	6.13	6.4	SR5	8/22/2017 20:00	30.66	73.4	5.56	4.7
SR5	8/22/2017 2:05	29.42	80.8	6.12	3.7	SR5	8/22/2017 8:05	29.19	78.7	5.96	2.8	SR5	8/22/2017 14:05	29.72	80.3	6.08	6.0	SR5	8/22/2017 20:05	30.64	79.2	6.00	4.6
SR5	8/22/2017 2:10	29.39	74.4	5.64	1.9	SR5	8/22/2017 8:10	29.21	81.7	6.19	4.9	SR5	8/22/2017 14:10	29.79	74.4	5.64	6.1	SR5	8/22/2017 20:10	30.64	74.7	5.66	4.6
SR5	8/22/2017 2:15	29.41	73.8	5.59	5.2	SR5	8/22/2017 8:15	29.24	83.3	6.31	3.6	SR5	8/22/2017 14:15	30.18	76.8	5.82	5.4	SR5	8/22/2017 20:15	30.63	74.6	5.65	4.3
SR5	8/22/2017 2:20	29.39	76.6	5.80	3.2	SR5	8/22/2017 8:20	29.23	80.7	6.11	3.8	SR5	8/22/2017 14:20	30.29	79.3	6.01	6.1	SR5	8/22/2017 20:20	30.64	78.1	5.92	4.6
SR5	8/22/2017 2:25	29.41	80.9	6.13	5.0	SR5	8/22/2017 8:25	29.23	81.8	6.20	1.5	SR5	8/22/2017 14:25	30.36	73.7	5.58	5.1	SR5	8/22/2017 20:25	30.62	74.8	5.67	4.3
SR5	8/22/2017 2:30	29.39	81.4	6.17	2.6	SR5	8/22/2017 8:30	29.24	77.4	5.86	3.2	SR5	8/22/2017 14:30	30.39	72.6	5.50	5.0	SR5	8/22/2017 20:30	30.62	77.0	5.83	5.0
SR5	8/22/2017 2:35	29.40	77.2	5.85	5.5	SR5	8/22/2017 8:35	29.23	82.8	6.27	1.9	SR5	8/22/2017 14:35	30.44	71.5	5.42	5.8	SR5	8/22/2017 20:35	30.59	75.4	5.71	4.8
SR5	8/22/2017 2:40	29.39	74.7	5.66	2.7	SR5	8/22/2017 8:40	29.26	84.3	6.39	2.2	SR5	8/22/2017 14:40	30.46	78.8	5.97	5.3	SR5	8/22/2017 20:40	30.59	76.6	5.80	4.1
SR5	8/22/2017 2:45	29.36	74.3	5.63	1.5	SR5	8/22/2017 8:45	29.26	75.4	5.71	1.8	SR5	8/22/2017 14:45	30.46	73.8	5.59	5.5	SR5	8/22/2017 20:45	30.57	72.3	5.48	3.9
SR5	8/22/2017 2:50	29.36	73.9	5.60	1.5	SR5	8/22/2017 8:50	29.28	76.6	5.80	2.5	SR5	8/22/2017 14:50	30.50	78.8	5.97	6.4	SR5	8/22/2017 20:50	30.57	76.2	5.77	4.3
SR5	8/22/2017 2:55	29.32	74.2	5.62	4.2	SR5	8/22/2017 8:55	29.27	75.5	5.72	1.6	SR5	8/22/2017 14:55	30.53	78.8	5.97	5.0	SR5	8/22/2017 20:55	30.58	74.4	5.64	4.6
SR5	8/22/2017 3:00	29.31	80.7	6.11	2.5	SR5	8/22/2017 9:00	29.26	79.3	6.01	5.2	SR5	8/22/2017 15:00	30.53	77.4	5.86	5.5	SR5	8/22/2017 21:00	30.60	75.4	5.71	4.4
SR5	8/22/2017 3:05	29.32	81.0	6.14	2.0	SR5	8/22/2017 9:05	29.25	81.2	6.15	5.1	SR5	8/22/2017 15:05	30.56	76.6	5.80	5.4	SR5	8/22/2017 21:05	30.61	72.9	5.52	4.3
SR5	8/22/2017 3:10	29.30	77.6	5.88	1.9	SR5	8/22/2017 9:10	29.26	84.2	6.38	2.5	SR5	8/22/2017 15:10	30.56	78.4	5.94	5.5	SR5	8/22/2017 21:10	30.58	75.9	5.75	5.3
SR5	8/22/2017 3:15	29.28	80.4	6.09	3.8	SR5						SR5	8/22/2017 15:15	30.56	76.4	5.79	5.7	SR5	8/22/2017 21:15	30.59	70.9	5.37	4.5
SR5	8/22/2017 3:20	29.25	79.2	6.00	5.2	SR5						SR5	8/22/2017 15:20	30.57	73.3	5.55	5.5	SR5	8/22/2017 21:20	30.57	72.7	5.51	4.8
SR5	8/22/2017 3:25	29.24	81.8	6.20	3.2	SR5						SR5	8/22/2017 15:25	30.61	71.8	5.44	6.3	SR5	8/22/2017 21:25	30.55	72.7	5.51	4.9
SR5	8/22/2017 3:30	29.25	78.7	5.96	3.8	SR5	8/22/2017 9:30	29.28	75.5	5.72	2.8	SR5	8/22/2017 15:30	30.64	76.6	5.80	5.6	SR5	8/22/2017 21:30	30.55	70.9	5.37	4.8
SR5	8/22/2017 3:35	29.25	78.3	5.93	4.5	SR5	8/22/2017 9:35	29.26	78.1	5.92	3.3	SR5	8/22/2017 15:35	30.69	70.4	5.33	5.4	SR5	8/22/2017 21:35	30.52	74.4	5.64	4.3
SR5	8/22/2017 3:40	29.27	78.7	5.96	4.9	SR5	8/22/2017 9:40	29.27	77.6	5.88	2.6	SR5	8/22/2017 15:40	30.68	71.9	5.45	5.8	SR5	8/22/2017 21:40	30.50	71.1	5.39	5.2
SR5	8/22/2017 3:45	29.26	80.9	6.13	4.8	SR5	8/22/2017 9:45	29.26	76.8	5.82	4.2	SR5	8/22/2017 15:45	30.72	78.5	5.95	5.7	SR5	8/22/2017 21:45	30.50	74.3	5.63	5.2
SR5	8/22/2017 3:50	29.25	75.0	5.68	1.8	SR5	8/22/2017 9:50	29.27	83.2	6.30	2.9	SR5	8/22/2017 15:50	30.72	77.0	5.83	5.1	SR5	8/22/2017 21:50	30.48	70.8	5.36	3.9
SR5	8/22/2017 3:55	29.23	79.7	6.04	3.4	SR5	8/22/2017 9:55	29.26	75.6	5.73	3.1	SR5	8/22/2017 15:55	30.72	73.9	5.60	5.6	SR5	8/22/2017 21:55	30.49	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)
SR12	8/22/2017 0:01	29.10	82.1	6.22	6.2	SR12	8/22/2017 6:01	28.91	74.4	5.64	6.7	SR12	8/22/2017 12:01	29.49	79.7	6.04	4.4	SR12	8/22/2017 18:01	30.58	82.9	6.28	5.7
SR12	8/22/2017 0:06	29.10	84.9	6.43	6.6	SR12	8/22/2017 6:06	28.91	76.8	5.82	6.0	SR12	8/22/2017 12:06	29.56	78.5	5.95	5.2	SR12	8/22/2017 18:06	30.60	74.3	5.63	5.3
SR12	8/22/2017 0:11	29.09	81.6	6.18	6.5	SR12	8/22/2017 6:11	28.92	79.9	6.05	6.2	SR12	8/22/2017 12:11	29.63	76.4	5.79	6.4	SR12	8/22/2017 18:11	30.59	76.4	5.79	6.2
SR12	8/22/2017 0:16	29.09	81.4	6.17	5.6	SR12	8/22/2017 6:16	28.91	79.6	6.03	6.5	SR12	8/22/2017 12:16	29.69	82.9	6.28	6.4	SR12	8/22/2017 18:16	30.52	83.7	6.34	6.0
SR12	8/22/2017 0:21	29.08	75.8	5.74	6.0	SR12	8/22/2017 6:21	28.91	76.0	5.76	6.2	SR12	8/22/2017 12:21	29.81	83.3	6.31	5.0	SR12	8/22/2017 18:21	30.45	77.4	5.86	6.0
SR12	8/22/2017 0:26	29.07	77.4	5.86	5.4	SR12	8/22/2017 6:26	28.90	83.0	6.29	4.7	SR12	8/22/2017 12:26	29.83	75.8	5.74	5.2	SR12	8/22/2017 18:26	30.43	81.3	6.16	4.9
SR12	8/22/2017 0:31	29.06	80.8	6.12	6.3	SR12	8/22/2017 6:31	28.90	75.5	5.72	6.6	SR12	8/22/2017 12:31	29.90	79.9	6.05	5.4	SR12	8/22/2017 18:31	30.48	82.8	6.27	6.1
SR12	8/22/2017 0:36	29.05	84.6	6.41	6.3	SR12	8/22/2017 6:36	28.90	75.4	5.71	7.0	SR12	8/22/2017 12:36	29.92	81.8	6.20	4.1	SR12	8/22/2017 18:36	30.48	81.2	6.15	4.3
SR12	8/22/2017 0:41	29.03	83.2	6.30	5.8	SR12	8/22/2017 6:41	28.90	76.2	5.77	6.3	SR12	8/22/2017 12:41	29.90	83.6	6.33	4.3	SR12	8/22/2017 18:41	30.46	78.5	5.95	5.8
SR12	8/22/2017 0:46	29.04	78.9	5.98	6.6	SR12	8/22/2017 6:46	28.90	76.6	5.80	6.3	SR12	8/22/2017 12:46	29.93	75.5	5.72	3.6	SR12	8/22/2017 18:46	30.44	84.2	6.38	6.3
SR12	8/22/2017 0:51	29.05	83.6	6.33	6.3	SR12	8/22/2017 6:51	28.91	79.6	6.03	5.8	SR12	8/22/2017 12:51	29.96	81.0	6.14	4.9	SR12	8/22/2017 18:51	30.44	74.8	5.67	5.2
SR12	8/22/2017 0:56	29.06	78.8	5.97	5.2	SR12	8/22/2017 6:56	28.91	73.7	5.58	6.2	SR12	8/22/2017 12:56	29.95	80.9	6.13	4.1	SR12	8/22/2017 18:56	30.40	75.5	5.72	6.4
SR12	8/22/2017 1:01	29.04	76.6	5.80	5.3	SR12	8/22/2017 7:01	28.90	74.1	5.61	5.6	SR12	8/22/2017 13:01	29.95	78.0	5.91	6.2	SR12	8/22/2017 19:01	30.40	73.5	5.57	6.1
SR12	8/22/2017 1:06	29.03	81.7	6.19	6.3	SR12	8/22/2017 7:06	28.90	80.9	6.13	6.0	SR12	8/22/2017 13:06	29.99	75.8	5.74	6.1	SR12	8/22/2017 19:06	30.38	76.3	5.78	5.8
SR12	8/22/2017 1:11	29.03	81.0	6.14	6.4	SR12	8/22/2017 7:11	28.91	75.4	5.71	5.8	SR12	8/22/2017 13:11	30.02	80.9	6.13	5.6	SR12	8/22/2017 19:11	30.35	73.8	5.59	5.8
SR12	8/22/2017 1:16	29.04	81.6	6.18	6.2	SR12	8/22/2017 7:16	28.94	78.4	5.94	6.9	SR12	8/22/2017 13:16	29.95	81.0	6.14	5.0	SR12	8/22/2017 19:16	30.36	82.4	6.24	6.4
SR12	8/22/2017 1:21	29.00	82.0	6.21	5.4	SR12	8/22/2017 7:21	29.01	77.2	5.85	6.2	SR12	8/22/2017 13:21	29.92	75.1	5.69	6.4	SR12	8/22/2017 19:21	30.40	81.4	6.17	5.1
SR12	8/22/2017 1:26	28.99	78.8	5.97	6.8	SR12	8/22/2017 7:26	29.05	76.6	5.80	5.3	SR12	8/22/2017 13:26	29.88	81.8	6.20	5.6	SR12	8/22/2017 19:26	30.41	80.1	6.07	5.7
SR12	8/22/2017 1:31	28.98	83.8	6.35	5.2	SR12	8/22/2017 7:31	29.09	78.3	5.93	6.2	SR12	8/22/2017 13:31	29.83	74.3	5.63	5.0	SR12	8/22/2017 19:31	30.41	81.2	6.15	5.3
SR12	8/22/2017 1:36	28.98	77.5	5.87	6.3	SR12	8/22/2017 7:36	29.09	74.7	5.66	6.4	SR12	8/22/2017 13:36	29.83	82.6	6.26	3.2	SR12	8/22/2017 19:36	30.40	77.0	5.83	5.8
SR12	8/22/2017 1:41	28.98	81.4	6.17	5.8	SR12	8/22/2017 7:41	29.11	80.3	6.08	5.1	SR12	8/22/2017 13:41	29.85	80.3	6.08	5.2	SR12	8/22/2017 19:41	30.40	73.9	5.60	4.4
SR12	8/22/2017 1:46	28.97	84.2	6.38	5.2	SR12	8/22/2017 7:46	29.12	80.4	6.09	6.8	SR12	8/22/2017 13:46	29.82	78.3	5.93	5.7	SR12	8/22/2017 19:46	30.39	76.3	5.78	6.6
SR12	8/22/2017 1:51	28.97	82.6	6.26	5.6	SR12	8/22/2017 7:51	29.12	74.2	5.62	6.3	SR12	8/22/2017 13:51	29.77	79.7	6.04	6.0	SR12	8/22/2017 19:51	30.38	78.4	5.94	4.5
SR12	8/22/2017 1:56	28.96	77.2	5.85	6.1	SR12	8/22/2017 7:56	29.13	75.8	5.74	5.4	SR12	8/22/2017 13:56	29.75	80.3	6.08	4.7	SR12	8/22/2017 19:56	30.37	79.5	6.02	4.6
SR12	8/22/2017 2:01	28.95	82.9	6.28	6.2	SR12	8/22/2017 8:01	29.17	72.6	5.50	5.7	SR12	8/22/2017 14:01	29.81	75.6	5.73	6.7	SR12	8/22/2017 20:01	30.37	71.8	5.44	5.3
SR12	8/22/2017 2:06	28.95	76.7	5.81	6.6	SR12	8/22/2017 8:06	29.18	82.4	6.24	6.1	SR12	8/22/2017 14:06	29.84	80.0	6.06	5.6	SR12	8/22/2017 20:06	30.36	74.7	5.66	4.5
SR12	8/22/2017 2:11	28.94	81.3	6.16	5.0	SR12	8/22/2017 8:11	29.19	76.2	5.77	6.5	SR12	8/22/2017 14:11	29.90	75.8	5.74	5.9	SR12	8/22/2017 20:11	30.36	79.2	6.00	5.1
SR12	8/22/2017 2:16	28.94	77.6	5.88	6.8	SR12	8/22/2017 8:16	29.25	80.3	6.08	6.0	SR12	8/22/2017 14:16	30.18	75.0	5.68	5.3	SR12	8/22/2017 20:16	30.34	76.0	5.76	5.7
SR12	8/22/2017 2:21	28.94	82.0	6.21	6.2	SR12	8/22/2017 8:21	29.21	82.1	6.22	5.3	SR12	8/22/2017 14:21	30.22	77.2	5.85	5.3	SR12	8/22/2017 20:21	30.34	79.6	6.03	4.2
SR12	8/22/2017 2:26	28.95	77.1	5.84	5.6	SR12	8/22/2017 8:26	29.15	82.8	6.27	3.8	SR12	8/22/2017 14:26	30.29	75.5	5.72	4.9	SR12	8/22/2017 20:26	30.33	75.6	5.73	6.7
SR12	8/22/2017 2:31	28.94	76.4	5.79	5.6	SR12	8/22/2017 8:31	29.12	76.4	5.79	4.8	SR12	8/22/2017 14:31	30.28	76.4	5.79	4.7	SR12	8/22/2017 20:31	30.33	74.3	5.63	6.3
SR12	8/22/2017 2:36	28.97	80.1	6.07	6.7	SR12	8/22/2017 8:36	29.14	76.3	5.78	4.1	SR12	8/22/2017 14:36	30.32	77.0	5.83	6.2	SR12	8/22/2017 20:36	30.33	75.9	5.75	5.0
SR12	8/22/2017 2:41	28.98	77.1	5.84	7.3	SR12	8/22/2017 8:41	29.15	82.1	6.22	4.7	SR12	8/22/2017 14:41	30.36	72.3	5.48	4.7	SR12	8/22/2017 20:41	30.32	73.1	5.54	6.9
SR12	8/22/2017 2:46	28.98	76.3	5.78	5.4	SR12	8/22/2017 8:46	29.15	78.9	5.98	3.5	SR12	8/22/2017 14:46	30.41	76.7	5.81	6.1	SR12	8/22/2017 20:46	30.32	75.0	5.68	4.4
SR12	8/22/2017 2:51	28.99	76.7	5.81	5.3	SR12	8/22/2017 8:51	29.15	82.4	6.24	3.8	SR12	8/22/2017 14:51	30.41	80.4	6.09	3.9	SR12	8/22/2017 20:51	30.31	74.7	5.66	5.4
SR12	8/22/2017 2:56	28.98	80.9	6.13	5.0	SR12	8/22/2017 8:56	29.14	75.8	5.74	5.2	SR12	8/22/2017 14:56	30.45	80.0	6.06	4.9	SR12	8/22/2017 20:56	30.30	75.4	5.71	5.5
SR12	8/22/2017 3:01	28.97	76.7	5.81	6.9	SR12	8/22/2017 9:01	29.14	85.4	6.47	3.9	SR12	8/22/2017 15:01	30.45	78.0	5.91	3.9	SR12	8/22/2017 21:01	30.31	77.1	5.84	5.5
SR12	8/22/2017 3:06	28.97	76.3	5.78	5.1	SR12	8/22/2017 9:06	29.13	82.5	6.25	4.6	SR12	8/22/2017 15:06	30.43	79.3	6.01	6.1	SR12	8/22/2017 21:06	30.30	80.3	6.08	6.8
SR12	8/22/2017 3:11	28.99	81.7	6.19	5.8	SR12	8/22/2017 9:11	29.16	83.3	6.31	6.2	SR12	8/22/2017 15:11	30.45	73.5	5.57	6.8	SR12	8/22/2017 21:11	30.29	73.0	5.53	6.3
SR12	8/22/2017 3:16	28.99	79.5	6.02	4.8	SR12	8/22/2017 9:16	29.16	82.6	6.26	6.1	SR12	8/22/2017 15:16	30.47	73.5	5.57	6.3	SR12	8/22/2017 21:16	30.29	77.2	5.85	6.6
SR12	8/22/2017 3:21	28.99	83.2	6.30	6.1	SR12	8/22/2017 9:21	29.15	80.7	6.11	6.7	SR12	8/22/2017 15:21	30.48	80.1	6.07	4.6	SR12	8/22/2017 21:21	30.26	76.4	5.79	5.3
SR12	8/22/2017 3:26	28.98	80.0	6.06	6.6	SR12	8/22/2017 9:26	29.16	78.7	5.96	6.1	SR12	8/22/2017 15:26	30.45	79.9	6.05	5.0	SR12	8/22/2017 21:26	30.25	74.6	5.65	6.5
SR12	8/22/2017 3:31	28.98	81.7	6.19	5.9	SR12	8/22/2017 9:31	29.15	81.0	6.14	5.2	SR12	8/22/2017 15:31	30.47	76.2	5.77	5.6	SR12	8/22/2017 21:31	30.21	73.1	5.54	5.4
SR12	8/22/2017 3:36	28.99	83.2	6.30	6.1	SR12	8/22/2017 9:36	29.14	79.3	6.01	4.6	SR12	8/22/2017 15:36	30.47	73.7	5.58	5.3	SR12	8/22/2017 21:36	30.15	79.2	6.00	5.7
SR12	8/22/2017 3:41	28.99	82.1	6.22	6.0	SR12	8/22/2017 9:41	29.14	84.9	6.43	6.6	SR12	8/22/2017 15:41	30.48	78.7	5.96	6.8	SR12	8/22/2017 21:41	30.13	74.3	5.63	5.9
SR12	8/22/2017 3:46	28.99	75.4	5.71	5.9	SR12	8/22/2017 9:46	29.13	85.7	6.49	6.1	SR12	8/22/2017 15:46	30.47	76.6	5.80	5.9	SR12	8/22/2017 21:46	30.12	79.6	6.03	6.0
SR12	8/22/2017 3:51	28.98	77.2	5.85	6.1	SR12	8/22/2017 9:51	29.17	80.9	6.13	4.3	SR12	8/22/2017 15:51	30.47									

## 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	8/22/2017 0:00	29.29	70.2	5.32	7.0	SR13	8/22/2017 6:00	29.01	71.7	5.43	6.2	SR13	8/22/2017 12:00	29.42	75.2	5.70	5.0	SR13	8/22/2017 18:00	30.39	74.1	5.61	7.4
SR13	8/22/2017 0:05	29.28	72.6	5.50	7.5	SR13	8/22/2017 6:05	29.01	72.9	5.52	6.3	SR13	8/22/2017 12:05	29.47	79.6	6.03	5.0	SR13	8/22/2017 18:05	30.40	79.2	6.00	7.2
SR13	8/22/2017 0:10	29.25	74.2	5.62	7.7	SR13	8/22/2017 6:10	29.00	70.6	5.35	7.0	SR13	8/22/2017 12:10	29.51	80.3	6.08	5.7	SR13	8/22/2017 18:10	30.41	76.6	5.80	6.4
SR13	8/22/2017 0:15	29.23	71.3	5.40	6.9	SR13	8/22/2017 6:15	28.97	71.7	5.43	7.3	SR13	8/22/2017 12:15	29.77	82.0	6.21	6.4	SR13	8/22/2017 18:15	30.35	81.4	6.17	6.6
SR13	8/22/2017 0:20	29.22	78.8	5.97	7.1	SR13	8/22/2017 6:20	28.98	70.5	5.34	7.6	SR13	8/22/2017 12:20	29.85	82.5	6.25	5.3	SR13	8/22/2017 18:20	30.25	79.5	6.02	6.5
SR13	8/22/2017 0:25	29.19	74.6	5.65	7.4	SR13	8/22/2017 6:25	28.98	75.6	5.73	6.5	SR13	8/22/2017 12:25	29.83	77.2	5.85	4.3	SR13	8/22/2017 18:25	30.21	72.7	5.51	6.3
SR13	8/22/2017 0:30	29.16	73.1	5.54	6.9	SR13	8/22/2017 6:30	28.96	74.2	5.62	8.1	SR13	8/22/2017 12:30	29.83	76.0	5.76	6.0	SR13	8/22/2017 18:30	30.22	78.3	5.93	6.9
SR13	8/22/2017 0:35	29.14	76.3	5.78	6.8	SR13	8/22/2017 6:35	28.99	69.0	5.23	6.5	SR13	8/22/2017 12:35	29.81	80.9	6.13	7.1	SR13	8/22/2017 18:35	30.19	77.4	5.86	6.7
SR13	8/22/2017 0:40	29.11	75.5	5.72	6.6	SR13	8/22/2017 6:40	29.00	72.7	5.51	7.6	SR13	8/22/2017 12:40	29.83	81.2	6.15	5.8	SR13	8/22/2017 18:40	30.19	75.1	5.69	6.8
SR13	8/22/2017 0:45	29.14	78.4	5.94	7.3	SR13	8/22/2017 6:45	29.01	73.0	5.53	6.2	SR13	8/22/2017 12:45	29.81	78.8	5.97	5.8	SR13	8/22/2017 18:45	30.21	74.8	5.67	5.7
SR13	8/22/2017 0:50	29.16	74.7	5.66	6.8	SR13	8/22/2017 6:50	29.01	68.6	5.20	6.8	SR13	8/22/2017 12:50	29.81	82.4	6.24	6.8	SR13	8/22/2017 18:50	30.24	75.2	5.70	7.9
SR13	8/22/2017 0:55	29.17	72.1	5.46	7.3	SR13	8/22/2017 6:55	28.97	71.8	5.44	7.0	SR13	8/22/2017 12:55	29.89	75.1	5.69	6.2	SR13	8/22/2017 18:55	30.20	76.3	5.78	5.6
SR13	8/22/2017 1:00	29.17	78.3	5.93	6.9	SR13	8/22/2017 7:00	28.92	67.6	5.12	7.0	SR13	8/22/2017 13:00	29.96	80.4	6.09	5.0	SR13	8/22/2017 19:00	30.15	73.9	5.60	7.5
SR13	8/22/2017 1:05	29.14	78.5	5.95	7.0	SR13	8/22/2017 7:05	28.96	68.4	5.18	7.2	SR13	8/22/2017 13:05	29.94	78.0	5.91	3.6	SR13	8/22/2017 19:05	30.10	69.3	5.25	6.2
SR13	8/22/2017 1:10	29.14	77.7	5.89	6.6	SR13	8/22/2017 7:10	28.97	76.7	5.81	7.8	SR13	8/22/2017 13:10	29.93	78.5	5.95	4.4	SR13	8/22/2017 19:10	30.09	72.3	5.48	7.0
SR13	8/22/2017 1:15	29.15	71.9	5.45	6.3	SR13	8/22/2017 7:15	28.96	71.3	5.40	6.6	SR13	8/22/2017 13:15	29.78	82.0	6.21	5.1	SR13	8/22/2017 19:15	30.14	77.9	5.90	7.1
SR13	8/22/2017 1:20	29.08	75.0	5.68	6.4	SR13	8/22/2017 7:20	28.96	70.1	5.31	6.5	SR13	8/22/2017 13:20	29.83	81.2	6.15	5.4	SR13	8/22/2017 19:20	30.24	77.7	5.89	7.9
SR13	8/22/2017 1:25	29.06	75.4	5.71	6.5	SR13	8/22/2017 7:25	29.01	67.6	5.12	7.5	SR13	8/22/2017 13:25	29.69	73.4	5.56	5.8	SR13	8/22/2017 19:25	30.30	75.8	5.74	6.8
SR13	8/22/2017 1:30	29.04	73.3	5.55	6.7	SR13	8/22/2017 7:30	29.02	69.7	5.28	6.9	SR13	8/22/2017 13:30	29.67	80.7	6.11	6.5	SR13	8/22/2017 19:30	30.31	75.5	5.72	7.7
SR13	8/22/2017 1:35	29.04	72.2	5.47	7.0	SR13	8/22/2017 7:35	29.03	70.2	5.32	8.1	SR13	8/22/2017 13:35	29.68	84.5	6.40	5.5	SR13	8/22/2017 19:35	30.32	74.3	5.63	6.3
SR13	8/22/2017 1:40	29.03	79.6	6.03	6.8	SR13	8/22/2017 7:40	29.04	67.5	5.11	6.3	SR13	8/22/2017 13:40	29.70	82.0	6.21	6.8	SR13	8/22/2017 19:40	30.33	75.2	5.70	6.2
SR13	8/22/2017 1:45	29.03	71.7	5.43	7.3	SR13	8/22/2017 7:45	29.04	72.2	5.47	6.5	SR13	8/22/2017 13:45	29.77	85.3	6.46	6.1	SR13	8/22/2017 19:45	30.33	78.4	5.94	6.3
SR13	8/22/2017 1:50	29.01	77.9	5.90	6.6	SR13	8/22/2017 7:50	29.03	73.9	5.60	6.5	SR13	8/22/2017 13:50	29.76	87.4	6.62	6.6	SR13	8/22/2017 19:50	30.34	71.7	5.43	6.1
SR13	8/22/2017 1:55	29.01	79.2	6.00	7.2	SR13	8/22/2017 7:55	29.03	71.1	5.39	7.1	SR13	8/22/2017 13:55	29.78	78.4	5.94	3.5	SR13	8/22/2017 19:55	30.35	71.3	5.40	6.5
SR13	8/22/2017 2:00	29.00	78.0	5.91	6.1	SR13	8/22/2017 8:00	29.05	73.3	5.55	5.4	SR13	8/22/2017 14:00	29.75	84.3	6.39	6.1	SR13	8/22/2017 20:00	30.34	75.8	5.74	5.4
SR13	8/22/2017 2:05	29.00	70.8	5.36	5.5	SR13	8/22/2017 8:05	29.01	77.5	5.87	7.7	SR13	8/22/2017 14:05	29.79	86.9	6.58	6.9	SR13	8/22/2017 20:05	30.34	73.9	5.60	7.0
SR13	8/22/2017 2:10	28.99	77.0	5.83	7.2	SR13	8/22/2017 8:10	29.05	75.2	5.70	7.1	SR13	8/22/2017 14:10	29.98	77.2	5.85	5.6	SR13	8/22/2017 20:10	30.35	71.3	5.40	6.0
SR13	8/22/2017 2:15	28.99	71.0	5.38	6.7	SR13	8/22/2017 8:15	29.08	77.1	5.84	6.2	SR13	8/22/2017 14:15	30.09	73.5	5.57	4.9	SR13	8/22/2017 20:15	30.35	74.1	5.61	6.6
SR13	8/22/2017 2:20	28.99	70.4	5.33	7.8	SR13	8/22/2017 8:20	29.08	80.4	6.09	7.2	SR13	8/22/2017 14:20	29.98	74.3	5.63	5.9	SR13	8/22/2017 20:20	30.37	78.3	5.93	6.6
SR13	8/22/2017 2:25	29.00	73.4	5.56	7.3	SR13	8/22/2017 8:25	29.09	78.1	5.92	7.8	SR13	8/22/2017 14:25	30.02	74.8	5.67	5.5	SR13	8/22/2017 20:25	30.36	70.1	5.31	6.5
SR13	8/22/2017 2:30	28.99	75.0	5.68	5.6	SR13	8/22/2017 8:30	29.10	75.1	5.69	7.6	SR13	8/22/2017 14:30	30.03	69.0	5.23	6.4	SR13	8/22/2017 20:30	30.38	73.1	5.54	6.5
SR13	8/22/2017 2:35	29.02	71.3	5.40	7.0	SR13	8/22/2017 8:35	29.10	76.2	5.77	7.1	SR13	8/22/2017 14:35	30.08	73.9	5.60	6.5	SR13	8/22/2017 20:35	30.37	70.9	5.37	6.5
SR13	8/22/2017 2:40	29.02	72.6	5.50	7.3	SR13	8/22/2017 8:40	29.15	79.3	6.01	6.8	SR13	8/22/2017 14:40	30.13	77.2	5.85	5.7	SR13	8/22/2017 20:40	30.37	77.1	5.84	6.5
SR13	8/22/2017 2:45	29.03	75.8	5.74	6.8	SR13	8/22/2017 8:45	29.12	79.6	6.03	5.7	SR13	8/22/2017 14:45	30.17	74.3	5.63	5.1	SR13	8/22/2017 20:45	30.37	73.7	5.58	6.7
SR13	8/22/2017 2:50	29.05	68.1	5.16	6.0	SR13	8/22/2017 8:50	29.12	78.5	5.95	6.5	SR13	8/22/2017 14:50	30.24	72.5	5.49	5.2	SR13	8/22/2017 20:50	30.36	75.2	5.70	7.0
SR13	8/22/2017 2:55	29.04	72.1	5.46	6.8	SR13	8/22/2017 8:55	29.09	79.2	6.00	6.9	SR13	8/22/2017 14:55	30.28	76.7	5.81	6.9	SR13	8/22/2017 20:55	30.34	79.1	5.99	5.2
SR13	8/22/2017 3:00	29.06	74.7	5.66	8.0	SR13	8/22/2017 9:00	29.09	81.6	6.18	6.4	SR13	8/22/2017 15:00	30.30	77.0	5.83	6.0	SR13	8/22/2017 21:00	30.37	70.2	5.32	6.4
SR13	8/22/2017 3:05	29.08	71.9	5.45	6.2	SR13	8/22/2017 9:05	29.10	80.9	6.13	5.1	SR13	8/22/2017 15:05	30.30	72.7	5.51	6.7	SR13	8/22/2017 21:05	30.34	74.8	5.67	4.9
SR13	8/22/2017 3:10	29.11	73.1	5.54	6.4	SR13	8/22/2017 9:10	29.08	74.4	5.64	5.7	SR13	8/22/2017 15:10	30.34	74.1	5.61	3.7	SR13	8/22/2017 21:10	30.35	78.4	5.94	6.3
SR13	8/22/2017 3:15	29.12	73.9	5.60	6.1	SR13	8/22/2017 9:15	29.10	77.4	5.86	5.7	SR13	8/22/2017 15:15	30.31	73.8	5.59	6.0	SR13	8/22/2017 21:15	30.33	77.0	5.83	6.2
SR13	8/22/2017 3:20	29.09	68.4	5.18	7.9	SR13	8/22/2017 9:20	29.11	77.4	5.86	5.9	SR13	8/22/2017 15:20	30.32	71.5	5.42	4.5	SR13	8/22/2017 21:20	30.36	73.8	5.59	6.4
SR13	8/22/2017 3:25	29.09	70.8	5.36	6.5	SR13	8/22/2017 9:25	29.11	81.7	6.19	5.9	SR13	8/22/2017 15:25	30.31	75.8	5.74	6.7	SR13	8/22/2017 21:25	30.34	73.1	5.54	6.3
SR13	8/22/2017 3:30	29.11	73.1	5.54	6.2	SR13	8/22/2017 9:30	29.10	79.1	5.99	5.9	SR13	8/22/2017 15:30	30.42	74.4	5.64	5.9	SR13	8/22/2017 21:30	30.31	73.7	5.58	6.8
SR13	8/22/2017 3:35	29.12	75.5	5.72	6.6	SR13	8/22/2017 9:35	29.10	76.8	5.82	7.1	SR13	8/22/2017 15:35	30.37	73.5	5.57	7.3	SR13	8/22/2017 21:35	30.29	74.7	5.66	6.0
SR13	8/22/2017 3:40	29.12	68.1	5.16	6.3	SR13	8/22/2017 9:40	29.12	76.0	5.76	6.4	SR13	8/22/2017 15:40	30.51	71.8	5.44	6.2	SR13	8/22/2017 21:40	30.27	77.7	5.89	6.2
SR13	8/22/2017 3:45	29.13	74.4	5.64	7.3	SR13	8/22/2017 9:45	29.15	80.4	6.09	6.5	SR13	8/22/2017 15:45	30.46	70.1	5.31	5.6	SR13	8/22/2017 21:45	30.31	75.1	5.69	7.0
SR13	8/22/2017 3:50	29.12	71.9	5.45	7.6	SR13	8/22/2017 9:50	29.18	77.5	5.87	6.6	SR13	8/22/2017 15:50	30.53	70.0</								

24-hr Water Quality Monitoring

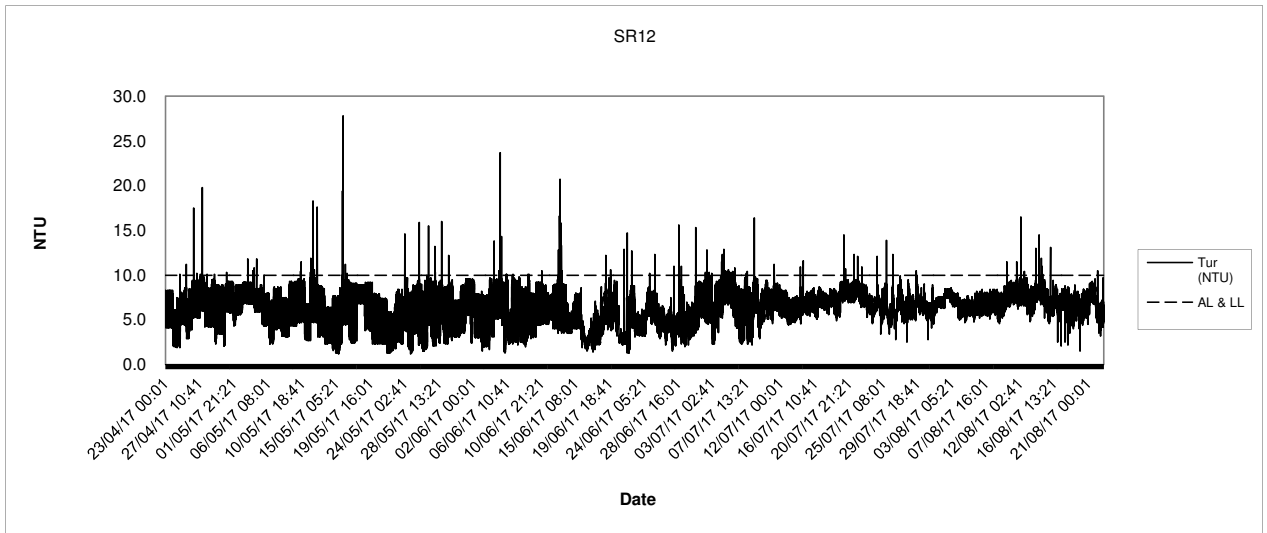
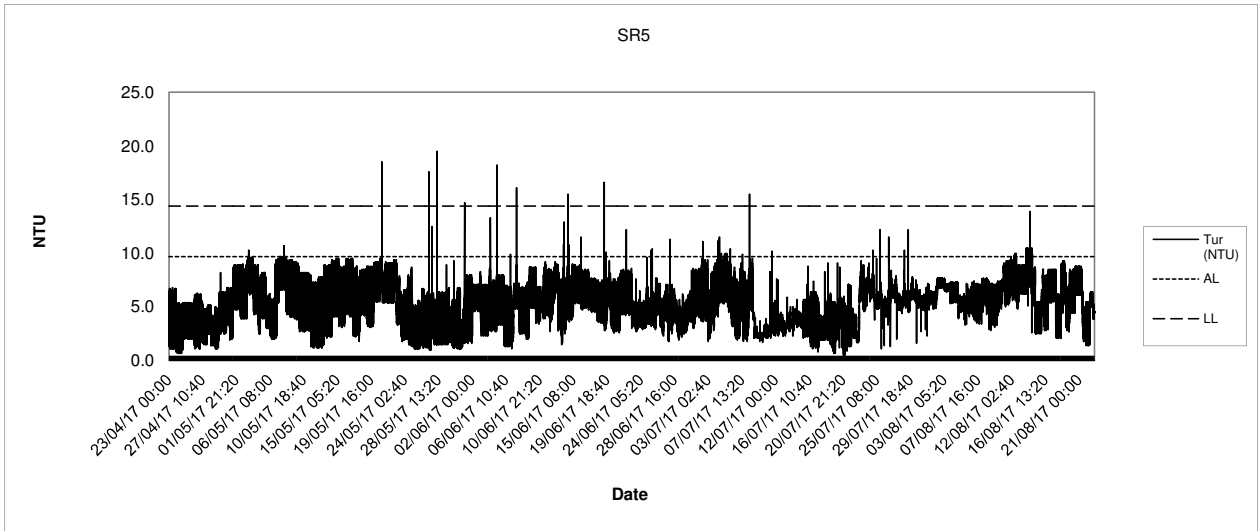
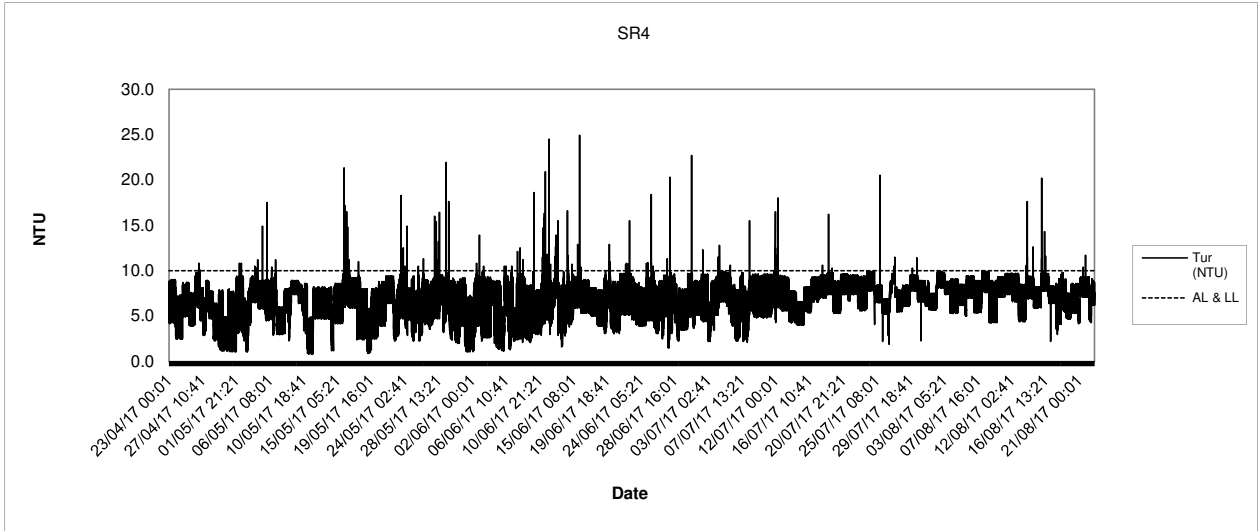
Station	Timestamp	NH <sub>3</sub> (mg/L)				Station	Timestamp	NH <sub>3</sub> (mg/L)			
SR4	8/22/2017 0:17	0.05				SR12	8/22/2017 0:17	0.08			
SR4	8/22/2017 0:37	0.05				SR12	8/22/2017 0:37	0.09			
SR4	8/22/2017 0:57	0.06				SR12	8/22/2017 0:57	0.12			
SR4	8/22/2017 1:17	0.07				SR12	8/22/2017 1:17	0.10			
SR4	8/22/2017 1:37	0.05				SR12	8/22/2017 1:37	0.08			
SR4	8/22/2017 1:57	0.05				SR12	8/22/2017 1:57	0.12			
SR4	8/22/2017 2:17	0.07				SR12	8/22/2017 2:17	0.10			
SR4	8/22/2017 2:37	0.07				SR12	8/22/2017 2:37	0.09			
SR4	8/22/2017 2:57	0.06				SR12	8/22/2017 2:57	0.11			
SR4	8/22/2017 3:17	0.06				SR12	8/22/2017 3:17	0.09			
SR4	8/22/2017 3:37	0.05				SR12	8/22/2017 3:37	0.09			
SR4	8/22/2017 3:57	0.07				SR12	8/22/2017 3:57	0.09			
SR4	8/22/2017 4:17	0.05				SR12	8/22/2017 4:17	0.12			
SR4	8/22/2017 4:37	0.06				SR12	8/22/2017 4:37	0.11			
SR4	8/22/2017 4:57	0.05				SR12	8/22/2017 4:57	0.12			
SR4	8/22/2017 5:17	0.06				SR12	8/22/2017 5:17	0.10			
SR4	8/22/2017 5:37	0.07				SR12	8/22/2017 5:37	0.08			
SR4	8/22/2017 5:57	0.07				SR12	8/22/2017 5:57	0.08			
SR4						SR12					
SR4	8/22/2017 6:37	0.05				SR12	8/22/2017 6:37	0.08			
SR4	8/22/2017 6:57	0.08				SR12	8/22/2017 6:57	0.09			
SR4	8/22/2017 7:17	0.07				SR12	8/22/2017 7:17	0.09			
SR4	8/22/2017 7:37	0.08				SR12	8/22/2017 7:37	0.12			
SR4	8/22/2017 7:57	0.08				SR12	8/22/2017 7:57	0.12			
SR4	8/22/2017 8:17	0.07				SR12	8/22/2017 8:17	0.08			
SR4	8/22/2017 8:37	0.08				SR12	8/22/2017 8:37	0.08			
SR4	8/22/2017 8:57	0.06				SR12	8/22/2017 8:57	0.12			
SR4	8/22/2017 9:17	0.05				SR12	8/22/2017 9:17	0.11			
SR4	8/22/2017 9:37	0.08				SR12	8/22/2017 9:37	0.08			
SR4	8/22/2017 9:57	0.05				SR12	8/22/2017 9:57	0.09			
SR4	8/22/2017 10:17	0.05				SR12	8/22/2017 10:17	0.11			
SR4	8/22/2017 10:37	0.05				SR12	8/22/2017 10:37	0.10			
SR4	8/22/2017 10:57	0.05				SR12	8/22/2017 10:57	0.12			
SR4	8/22/2017 11:17	0.08				SR12	8/22/2017 11:17	0.09			
SR4	8/22/2017 11:37	0.08				SR12	8/22/2017 11:37	0.12			
SR4	8/22/2017 11:57	0.05				SR12	8/22/2017 11:57	0.09			
SR4	8/22/2017 12:17	0.06				SR12	8/22/2017 12:17	0.12			
SR4	8/22/2017 12:37	0.08				SR12	8/22/2017 12:37	0.11			
SR4	8/22/2017 12:57	0.08				SR12	8/22/2017 12:57	0.10			
SR4	8/22/2017 13:17	0.08				SR12	8/22/2017 13:17	0.11			
SR4	8/22/2017 13:37	0.07				SR12	8/22/2017 13:37	0.11			
SR4	8/22/2017 13:57	0.05				SR12	8/22/2017 13:57	0.10			
SR4	8/22/2017 14:17	0.05				SR12	8/22/2017 14:17	0.08			
SR4	8/22/2017 14:37	0.07				SR12	8/22/2017 14:37	0.08			
SR4	8/22/2017 14:57	0.06				SR12	8/22/2017 14:57	0.09			
SR4	8/22/2017 15:17	0.06				SR12	8/22/2017 15:17	0.10			
SR4	8/22/2017 15:37	0.05				SR12	8/22/2017 15:37	0.09			
SR4	8/22/2017 15:57	0.05				SR12	8/22/2017 15:57	0.12			
SR4	8/22/2017 16:17	0.06				SR12	8/22/2017 16:17	0.09			
SR4	8/22/2017 16:37	0.06				SR12	8/22/2017 16:37	0.08			
SR4	8/22/2017 16:57	0.08				SR12	8/22/2017 16:57	0.12			
SR4	8/22/2017 17:17	0.05				SR12	8/22/2017 17:17	0.10			
SR4	8/22/2017 17:37	0.05				SR12	8/22/2017 17:37	0.08			
SR4	8/22/2017 17:57	0.05				SR12	8/22/2017 17:57	0.11			
SR4	8/22/2017 18:17	0.05				SR12	8/22/2017 18:17	0.10			
SR4	8/22/2017 18:37	0.08				SR12	8/22/2017 18:37	0.08			
SR4	8/22/2017 18:57	0.08				SR12	8/22/2017 18:57	0.09			
SR4	8/22/2017 19:17	0.07				SR12	8/22/2017 19:17	0.08			
SR4	8/22/2017 19:37	0.05				SR12	8/22/2017 19:37	0.12			
SR4	8/22/2017 19:57	0.07				SR12	8/22/2017 19:57	0.12			
SR4	8/22/2017 20:17	0.08				SR12	8/22/2017 20:17	0.08			
SR4	8/22/2017 20:37	0.08				SR12	8/22/2017 20:37	0.10			
SR4	8/22/2017 20:57	0.05				SR12	8/22/2017 20:57	0.08			
SR4	8/22/2017 21:17	0.06				SR12	8/22/2017 21:17	0.09			
SR4	8/22/2017 21:37	0.07				SR12	8/22/2017 21:37	0.08			
SR4	8/22/2017 21:57	0.08				SR12	8/22/2017 21:57	0.09			
SR4	8/22/2017 22:17	0.06				SR12	8/22/2017 22:17	0.10			
SR4	8/22/2017 22:37	0.05				SR12	8/22/2017 22:37	0.08			
SR4	8/22/2017 22:57	0.05				SR12	8/22/2017 22:57	0.08			
SR4	8/22/2017 23:17	0.05				SR12	8/22/2017 23:17	0.08			
SR4	8/22/2017 23:37	0.05				SR12	8/22/2017 23:37	0.12			
SR4	8/22/2017 23:57	0.05				SR12	8/22/2017 23:57	0.08			

Remark: Fonts with underline: Action Level Exceedance

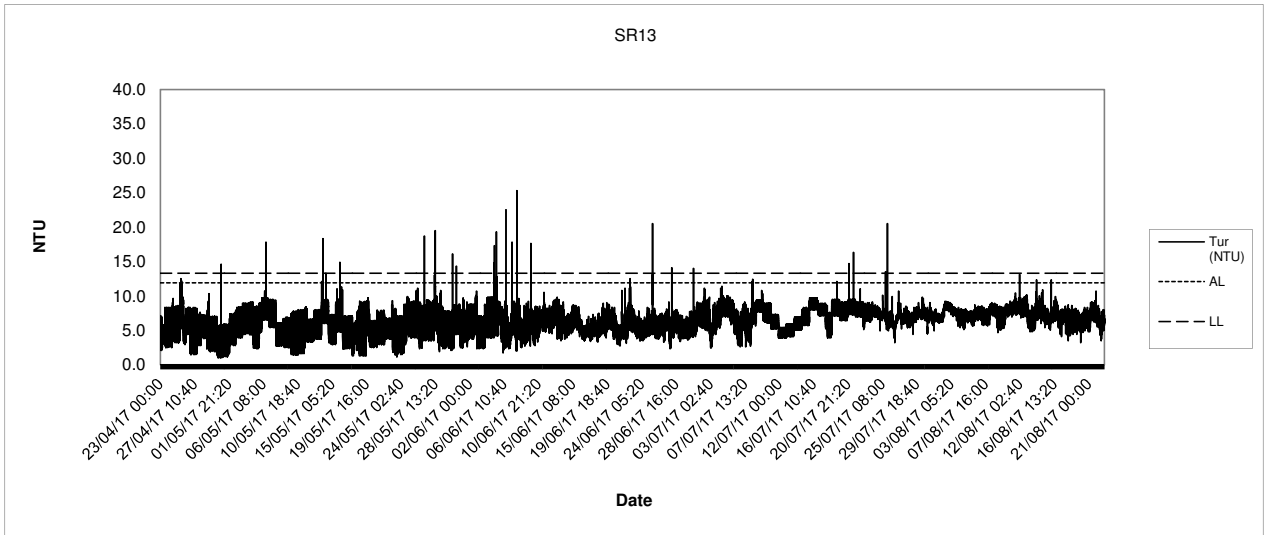
**Fonts in Bold with underline: Limit Level Exceedance**

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 9:10-9:30.

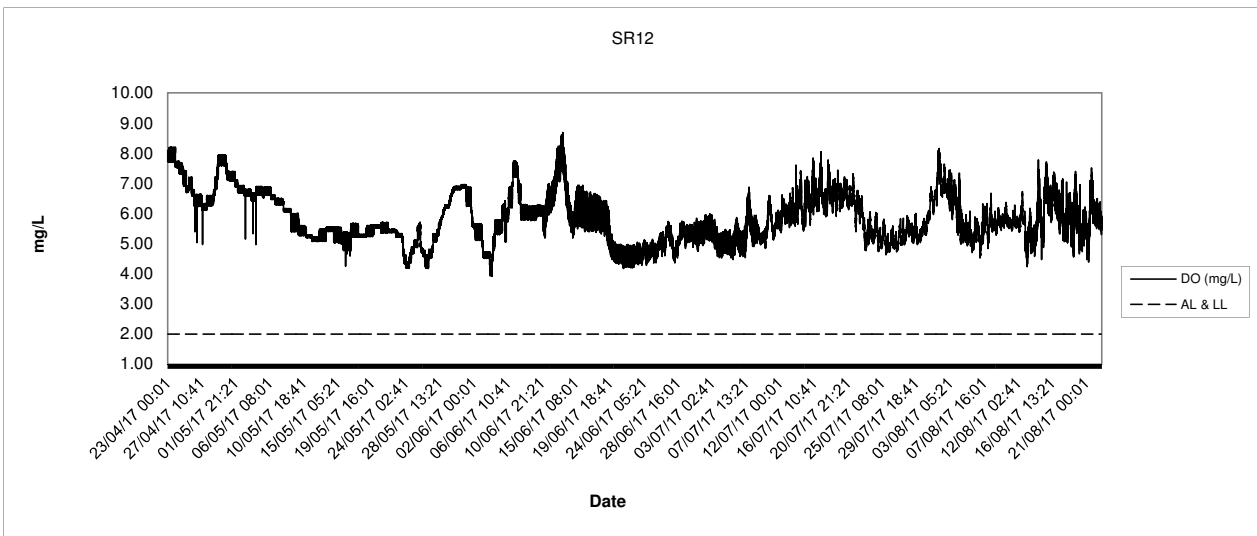
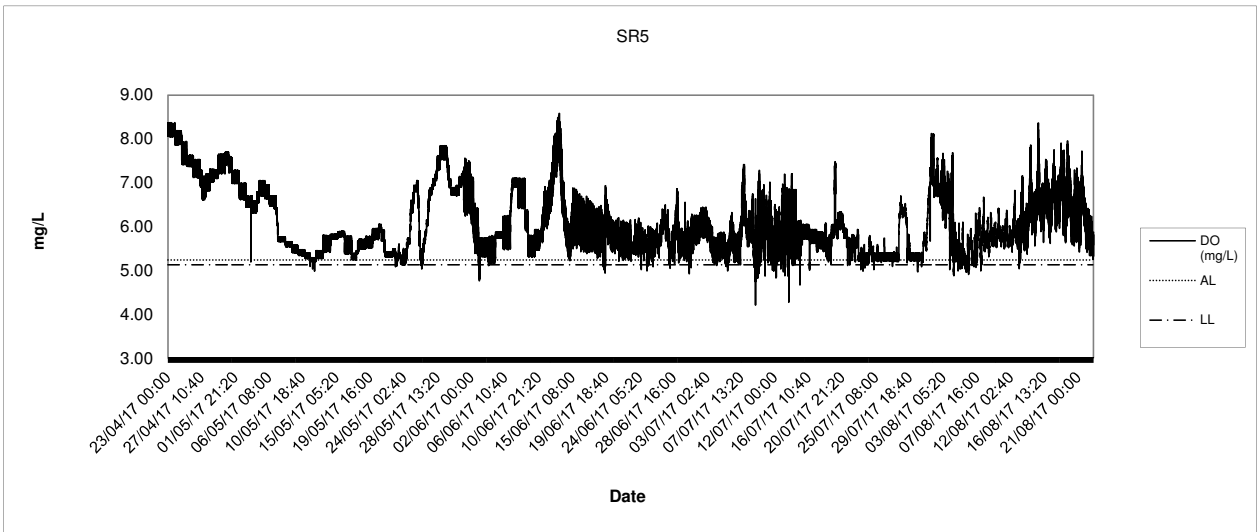
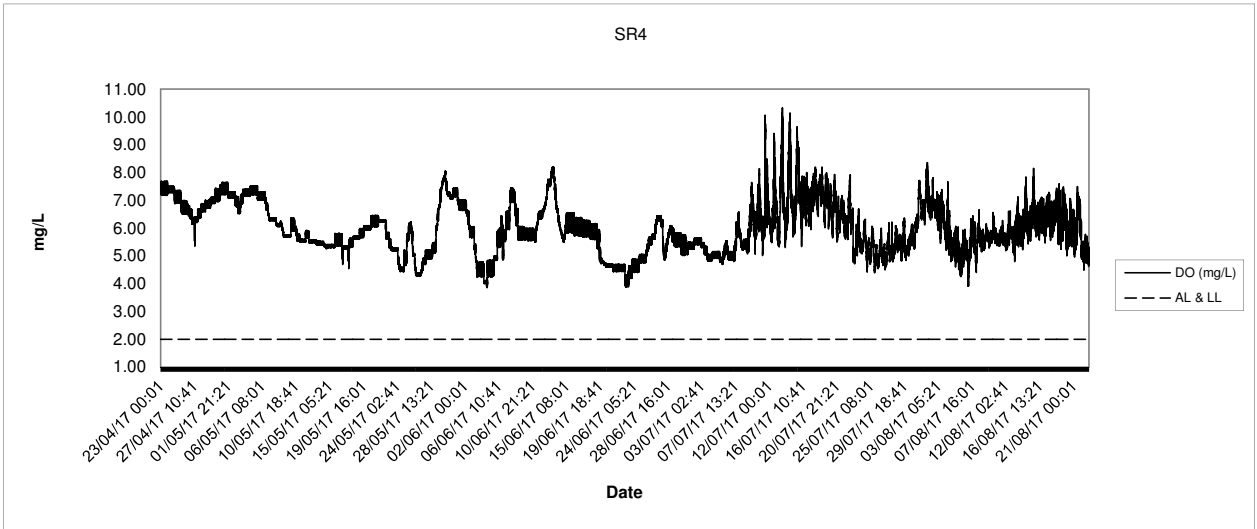
### Turbidity 24-hr Water Quality Monitoring



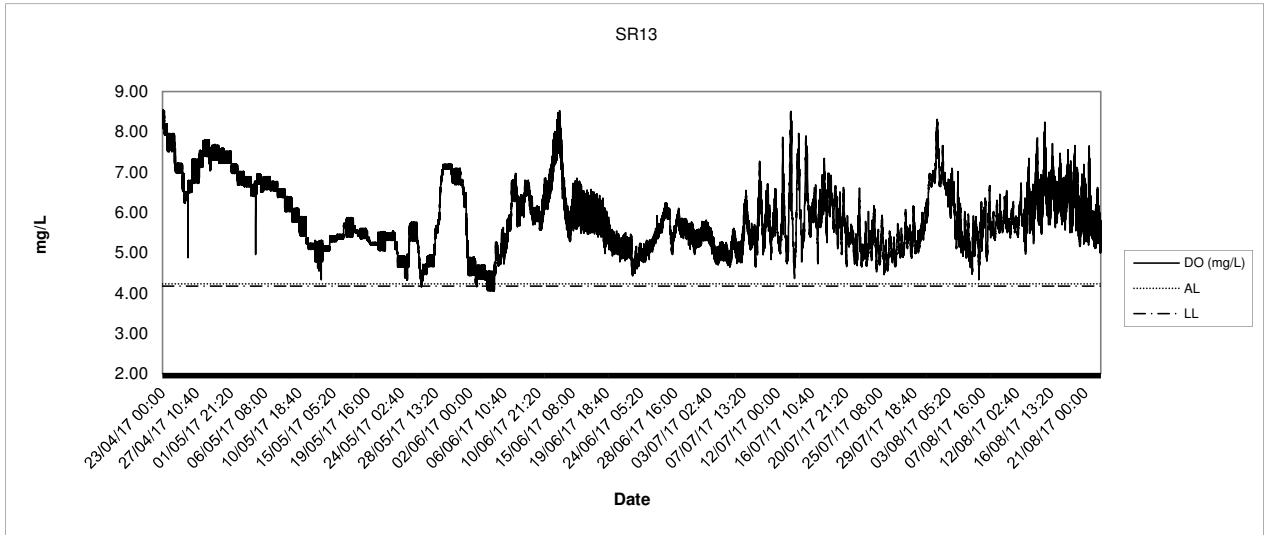
### Turbidity 24-hr Water Quality Monitoring



Dissolved Oxygen  
24-hr Water Quality Monitoring

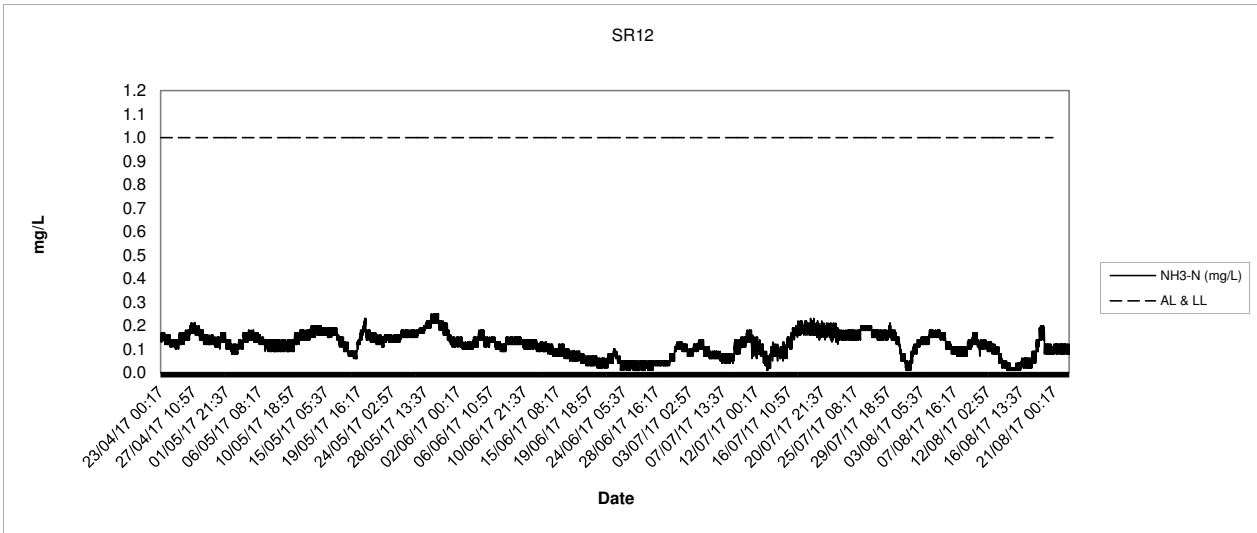
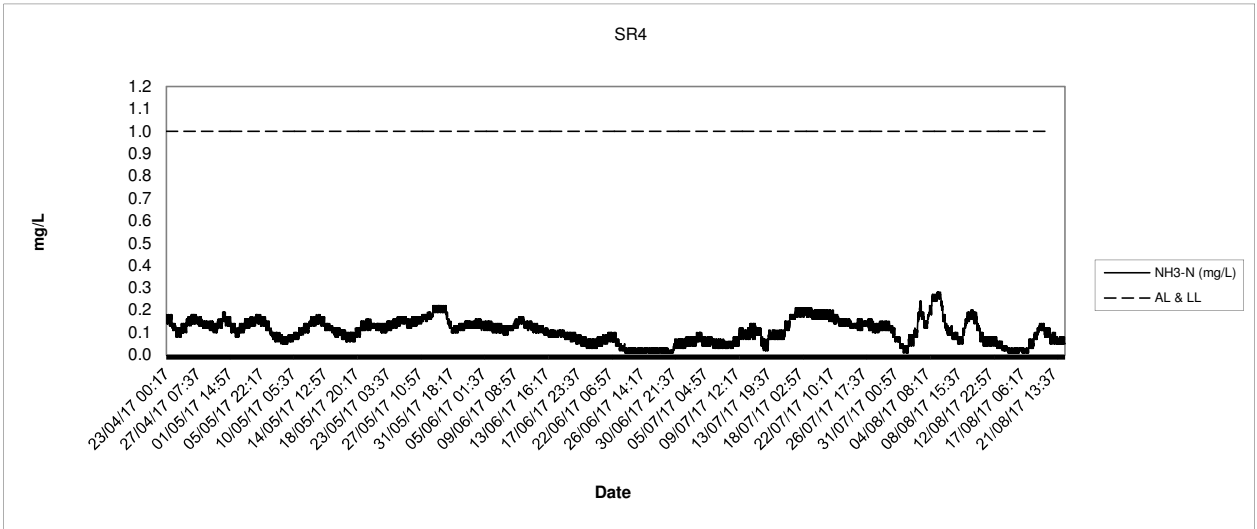


Dissolved Oxygen  
24-hr Water Quality Monitoring





**Ammonia-N  
24-hr Water Quality Monitoring**



---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : [mcl@fugro.com.hk](mailto:mcl@fugro.com.hk)

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

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

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"> <li>1. Check data and determine if the exceedance was due to equipment problem. If so, fix the problem within 1 working day. Continue monitoring</li> <li>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;</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>6. Discuss mitigation measures with IEC, ER and Contractor within 2 working days of submission of the investigation results.</li> <li>7. Ensure mitigation measures are implemented;</li> <li>8. Closely monitor the concerned 24-hr station.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check all plant and equipment;</li> <li>2. Consider changes of working methods;</li> <li>3. Rectify unacceptable practice;</li> <li>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;</li> <li>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;</li> <li>6. Implement the agreed mitigation measures within reasonable time scale</li> </ol>	<ol style="list-style-type: none"> <li>1. Request Contractor to critically review the working methods;</li> <li>2. Discuss with IEC, ET and Contractor on the proposed mitigation measures;</li> <li>3. Ensure remedial measures are properly implemented</li> <li>4. Assess the effectiveness of the implemented mitigation measures</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by ET</li> <li>2. Confirm ET assessment if exceedance is due /not due to the works</li> <li>3. Discuss with ET, ER and Contractor on the mitigation measures</li> <li>4. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly</li> <li>5. Assess the effectiveness of the implemented mitigation measures</li> </ol>
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"> <li>1. Check data and determine if the exceedance was due to equipment problem. If so, fix the problem within 1 working day. Continue monitoring</li> <li>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;</li> </ol>	<ol style="list-style-type: none"> <li>1. Check all plant and equipment;</li> <li>2. Consider changes of working methods;</li> <li>3. Rectify unacceptable practice;</li> <li>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;</li> <li>5. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within</li> </ol>	<ol style="list-style-type: none"> <li>1. Request Contractor to critically review the working methods;</li> <li>2. Discuss with IEC, ET and Contractor on the proposed mitigation measures;</li> <li>3. Ensure remedial measures are properly implemented</li> <li>4. Assess the effectiveness of the implemented mitigation measures;</li> <li>5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by ET</li> <li>2. Confirm ET assessment if exceedance is due /not due to the works</li> <li>3. Discuss with ET, ER and Contractor on the mitigation measures</li> <li>4. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly</li> <li>5. Assess the effectiveness of the implemented mitigation measures</li> </ol>

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>	

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

Appendix I

Details of Notification of Exceedances

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

Routine Impact Monitoring



**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170725 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	25/07/2017					
Time: (hh:mm)	Mid-Flood:	09:10	Mid-Ebb:	10:42		
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 <sub>(wet season)</sub> or 0.36/0.39 <sub>(dry season)</sub> mg/L		
	TSS	: 12 / 19 mg/L	:	/ mg/L		
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:	DO (S&M):		Mid-Ebb:		
	DO (S&M):	AL / LL	DO (B):	AL / LL	DO (S&M):	AL / LL
	Turbidity:	AL / LL	TIN(In-situ):	0.88 AL / LL	Turbidity:	AL / LL
	TIN(Lab):	0.89 AL / LL	TSS :	AL / LL	TIN(Lab):	0.88 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)	TSS	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input checked="" type="checkbox"/> Station at Upstream Location at ME				✓	✓
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				MF:1.44mg/L(C2A)	MF:1.45mg/L(C2A)
	<input type="checkbox"/> No increasing trend towards 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:		
	TIN:	0.88	:	:		
	Mid-Ebb:	DO (S&M):	DO (B):	Turbidity:		
	TIN:	0.88	:	:		

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Prepared by: Wingo So

Signature:

Date (dd/mm/yyyy): 07 / 09 / 2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 07 / 09 / 2017

**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

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170727 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	27/07/2017					
Time: (hh:mm)	Mid-Flood: 10:15		Mid-Ebb: 12:16			
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): 4.17 AL / (1)	DO (B): AL / LL	DO (S&M): 4.14 AL / (1)	DO (B): 4.05 AL / LL		
	Turbidity: AL / LL	TIN(In-situ): 0.76 AL / (1)	Turbidity: AL / LL	TIN(In-situ): 0.76 AL / (1)		
	TIN(Lab): 0.76 AL / (1)	TSS : AL / LL	TIN(Lab): 0.76 AL / (1)	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)	TSS	TIN (In-situ)	TIN (Lab)
	<input checked="" type="checkbox"/> Station at Upstream Location at ME	✓	✓		✓	✓
	<input checked="" type="checkbox"/> Upstream Control Station (station or gradient) exceeded AL/LL	MF:4.24mg/L(C2A)			MF:1.10mg/L(C2A)	MF:1.12mg/L(C2A)
	<input type="checkbox"/> No increasing trend towards 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): 4.17 TIN: 0.76	DO (B):		Turbidity:	
	Mid-Ebb:	DO (S&M): 4.14 TIN: 0.76	DO (B):	4.05	Turbidity:	
	<input type="checkbox"/> _____ _____ _____ _____					

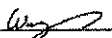
**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mbl@fugro.com.hk

**MaterialLab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07/09/2017

## Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

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

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH<sub>3</sub>-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH<sub>3</sub>-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

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170729 /IM/SR2				
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel				
Date:	29/07/2017				
Time: (hh:mm)	Mid-Flood: 12:00	Mid-Ebb: 14:25			
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;	NH3-N: 0.21/0.24 mg/L ; Turbidity: 10.8/15.0 NTU;			
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood: DO (S&M): <u>4.41</u> AL / <u>Ⓛ</u> Turbidity: _____ AL / LL NH3-N(Lab): _____ AL / LL	DO (B): <u>3.73</u> AL / <u>Ⓛ</u> NH3-N(In-situ): _____ AL / LL _____ : _____ AL / LL	Mid-Ebb: DO (S&M): <u>4.18</u> AL / <u>Ⓛ</u> Turbidity: _____ AL / LL NH3-N(Lab): _____ AL / LL	DO (B): <u>3.71</u> AL / <u>Ⓛ</u> NH3-N(In-situ): _____ AL / LL _____ : _____ 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	NH3-N
	<input checked="" type="checkbox"/> Station at Upstream Location at ME	✓	✓		
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL	MF:3.88mg/L(C2A)	MF:3.99mg/L(C2A)		
	<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
Conclusion	<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.	✓	✓		
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.				
	Mid-Flood:	DO (S&M): <u>4.41</u> NH3-N: _____	DO (B): <u>3.73</u> _____	Turbidity: _____	_____
Mid-Ebb:	DO (S&M): <u>4.18</u> NH3-N: _____	DO (B): <u>3.71</u> _____	Turbidity: _____	_____	
<input type="checkbox"/> _____ _____ _____ _____					

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Prepared by: Wingo So

Signature:

Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 07/09/2017

**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

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
 5 Lok Yi Street,  
 17 M.S. Castle Peak Road,  
 Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
 Fax : (852)-24508032  
 Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170729 /IM/SR3					
Project:	CVI/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	29/07/2017					
Time: (hh:mm)	Mid-Flood:	11:35	Mid-Ebb:	14:48		
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;		
		/ mg/L		/ mg/L		
Measured Level of exceeded parameters (tick / fill in / circle as appropriate)	Mid-Flood:			Mid-Ebb:		
	DO (S&M):	4.42 AL / <input checked="" type="checkbox"/> L	DO (B):	4.03 AL / <input checked="" type="checkbox"/> L	DO (S&M):	4.26 AL / <input checked="" type="checkbox"/> L
	Turbidity:	AL / LL	NH3-N(In-situ):	AL / LL	Turbidity:	AL / LL
	NH3-N(Lab):	AL / LL	:	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)	<input checked="" type="checkbox"/> Station at Upstream Location at ME	DO(S&M)	DO(B)	Turbidity	NH3-N	
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL	MF:3.88mg/L(C2A)	MF:3.99mg/L(C2A)			
	<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):	4.42	DO (B):	4.26	
		NH3-N:				
	Mid-Ebb:	DO (S&M):	4.04	DO (B):	3.95	
	NH3-N:					
	<input type="checkbox"/> _____ _____ _____ _____					

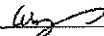
**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk


**Materialab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07, 09, 2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07 10 9 / 2017**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&amp;M) – Dissolved Oxygen (Surface &amp; 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



**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170729 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	29/07/2017					
Time: (hh:mm)	Mid-Flood: 12:25	Mid-Ebb: 13:55				
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): 4.31 AL / (D)	DO (B): _____ AL / LL	Mid-Ebb:	DO (S&M): 4.27 AL / (D)	
	Turbidity: _____ AL / LL	TIN (in-situ): 0.96 AL / (D)	TSS : _____ AL / LL	Turbidity: _____ AL / LL	TIN (in-situ): 0.96 AL / (D)	
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)	TSS	TIN (In-situ)	TIN (Lab)
	<input checked="" type="checkbox"/> Station at Upstream Location at ME	✓			✓	✓
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL	MF:3.88mg/L(C2A)			MF:0.67mg/L(C2A)	MF:0.68mg/L(C2A)
	<input type="checkbox"/> No increasing trend towards 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): 4.31 TIN: 0.96	DO (B): _____	Turbidity: _____		
Mid-Ebb:	DO (S&M): 4.27 TIN: 0.96	DO (B): _____	Turbidity: _____			
<input type="checkbox"/> _____ _____ _____ _____						

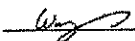
**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
 5 Lok Yi Street,  
 17 M.S. Castle Peak Road,  
 Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
 Fax : (852)-24508032  
 Email : mcl@fugro.com.hk

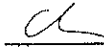
**MaterialLab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07/09/2017**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

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

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH<sub>3</sub>-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH<sub>3</sub>-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

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170729 /IM/SR13				
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and Its Approach Channel				
Date:	29/07/2017				
Time: (hh:mm)	Mid-Flood: 10:27		Mid-Ebb: 15:30		
Monitoring Location:	SR13 – EMSD Cooling Water Intake for Kwai Chung Hospital				
Action Level / Limit Level:	DO (S&M): 4.24/4.17 mg/L;	Turbidity: 13.1/15.7 NTU;			
	DO (B): 3.70/3.58 mg/L;				
	TSS: 23/38mg/L				
Measured Level of exceeded parameters (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:		
	DO (S&M): 3.99 AL / (L)	DO (B):	DO (S&M): 3.91 AL / (L)	DO (B):	
	Turbidity:		Turbidity:		
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	
	Findings / Evidences				
	<input checked="" type="checkbox"/> Station at Upstream Location at ME	✓			
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL	MF:3.88mg/L(C2A)			
	<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): 3.99	DO (B):	Turbidity:	
	Mid-Ebb:	DO (S&M): 3.91	DO (B):	Turbidity:	
	<input type="checkbox"/> _____ _____ _____ _____				

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



	DO(S&M)	DO(B)	Turbidity		
Others					

Prepared by: Wingo So

Signature:

Date (dd/mm/yyyy): 07, 09, 2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature:

Date (dd/mm/yy): 07 (09/2017)

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

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170801 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	01/08/2017					
Time: (hh:mm)	Mid-Flood:	11:57	Mid-Ebb:	09:38		
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 <sub>(wet season)</sub> Or 0.36/0.39 <sub>(dry season)</sub> 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):	1.07 AL / (C)	Turbidity:	AL / LL
	TIN(Lab):	1.06 AL / (C)	TSS :	AL / LL	TIN(Lab):	1.06 AL / (C)
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input checked="" 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)	TSS	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input checked="" type="checkbox"/> Station at Upstream Location at ME				✓	✓
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				MF:0.71mg/L(C2A)	MF:0.69mg/L(C2A)
<input type="checkbox"/> No increasing trend towards 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 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:	1.07				
	Mid-Ebb:	DO (S&M):	DO (B):	Turbidity:		
	TIN:	1.07				
	<input checked="" type="checkbox"/> <u>Dredging works conducted at Zone2B2 of the Project.</u> <u>According to Contractor, dredged rate (in-situ) at Zone2B2 was 769m<sup>3</sup>/day.</u> _____ _____ _____					

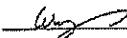
**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mol@fugro.com.hk

**MaterialLab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07/09/2017**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

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

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH<sub>3</sub>-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH<sub>3</sub>-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

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170803 /IM/SR5																																										
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel																																										
Date:	03/08/2017																																										
Time: (hh:mm)	Mid-Flood:	14:05	Mid-Ebb:	12:35																																							
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 <sub>(wet season)</sub> or 0.36/0.39 <sub>(dry season)</sub> 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																																					
	Turbidity:	AL / LL	TIN (in-situ):	1.01 AL / <input checked="" type="radio"/>	Turbidity:	AL / LL																																					
	TIN (Lab):	1.00 AL / <input checked="" type="radio"/>	TSS :	AL / LL	TIN (Lab):	1.00 AL / <input checked="" type="radio"/>																																					
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input checked="" 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: _____																																										
	<table border="1"> <thead> <tr> <th></th> <th>DO(S&amp;M)</th> <th>DO(B)</th> <th>TSS</th> <th>TIN (In-situ)</th> <th>TIN (Lab)</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)</td> <td align="center" colspan="5">Findings / Evidences</td> </tr> <tr> <td><input checked="" type="checkbox"/> Station at Upstream Location at ME</td> <td></td> <td></td> <td></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL</td> <td></td> <td></td> <td></td> <td>MF:0.57mg/L(C2A)</td> </tr> <tr> <td><input type="checkbox"/> No increasing trend towards the Project at MF:</td> <td>Upstream: _____ ( )mg/L</td> <td>Upstream: _____ ( )mg/L</td> <td>Upstream: _____ ( )NTU</td> <td>Upstream: _____ ( )mg/L</td> </tr> <tr> <td><input type="checkbox"/> No Dredging Works carried out.</td> <td>Downstream: _____ ( )mg/L</td> <td>Downstream: _____ ( )mg/L</td> <td>Downstream: _____ ( )NTU</td> <td>Downstream: _____ ( )mg/L</td> </tr> <tr> <td>Conclusion</td> <td colspan="4"><input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.</td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table>							DO(S&M)	DO(B)	TSS	TIN (In-situ)	TIN (Lab)	Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	Findings / Evidences					<input checked="" type="checkbox"/> Station at Upstream Location at ME				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				MF:0.57mg/L(C2A)	<input type="checkbox"/> No increasing trend towards 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	Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.			
	DO(S&M)	DO(B)	TSS	TIN (In-situ)	TIN (Lab)																																						
Possible reason for Action or Limit Level Non-compliance: (tick / fill in as appropriate)	Findings / Evidences																																										
	<input checked="" type="checkbox"/> Station at Upstream Location at ME				<input checked="" type="checkbox"/>																																						
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				MF:0.57mg/L(C2A)																																						
	<input type="checkbox"/> No increasing trend towards 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																																							
Conclusion	<input checked="" type="checkbox"/> Due to change or/and influence of ambient condition in the vicinity, i.e. not Project related.				<input checked="" type="checkbox"/>																																						
Remarks: (tick / fill in as appropriate)	Repeat In-situ measurement was done.																																										
	Mid-Flood:	DO (S&M):	DO (B):	Turbidity:																																							
		TIN: 1.01																																									
	Mid-Ebb:	DO (S&M):	DO (B):	Turbidity:																																							
		TIN: 1.01																																									
	<input checked="" type="checkbox"/> <b>Dredging works conducted at Zone2B2 of the Project.</b> According to Contractor, dredged rate (in-situ) at Zone2B2 was <b>385m3/day.</b>																																										

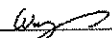
**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

**Materialab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07/09/2017

## Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&amp;M) – Dissolved Oxygen (Surface &amp; 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



**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170805 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	05/08/2017					
Time: (hh:mm)	Mid-Flood: 06:48	Mid-Ebb: 08:23				
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 <sub>(wet season)</sub> or 0.36/0.39 <sub>(dry season)</sub> 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>1.08</u> AL / <u>(L)</u>	Turbidity: _____ AL / LL	TIN(In-situ): <u>1.08</u> AL / <u>(L)</u>		
	TIN(Lab): <u>1.09</u> AL / <u>(L)</u>	TSS : _____ AL / LL	TIN(Lab): <u>1.09</u> AL / <u>(L)</u>	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)	TSS	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input checked="" type="checkbox"/> Station at Upstream Location at ME				✓	✓
	<input checked="" type="checkbox"/> Upstream Control Station <small>(at gradient station)</small> exceeded AL/LL				MF:0.82mg/L(C2A)	MF:0.80mg/L(C2A)
<input type="checkbox"/> No increasing trend towards 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): _____ TIN: <u>1.08</u>	DO (B): _____	Turbidity: _____		
	Mid-Ebb:	DO (S&M): _____ TIN: <u>1.08</u>	DO (B): _____	Turbidity: _____		
<input type="checkbox"/> _____ _____ _____ _____						


**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

**MaterialLab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07/09/2017

## Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

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

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH<sub>3</sub>-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH<sub>3</sub>-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

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170808 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	08/08/2017					
Time: (hh:mm)	Mid-Flood:	08:40	Mid-Ebb:	09:35		
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 <sub>(wet season)</sub> or 0.36/0.39 <sub>(dry season)</sub> 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):	0.90 AL / LL	Turbidity:	AL / LL
	TIN(Lab):	0.91 AL / LL	TSS :	AL / LL	TIN(Lab):	0.90 AL / LL
Action taken / to be taken: (tick / fill in as appropriate)	Inspection:					
	<input checked="" 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)	TSS	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input checked="" type="checkbox"/> Station at Upstream Location at ME				✓	✓
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				MF:0.66mg/L(C2A)	MF:0.65mg/L(C2A)
<input type="checkbox"/> No increasing trend towards the Project at MF:	Upstream:	( ) mg/L	Upstream:	( ) mg/L	Upstream:	( ) mg/L
	Downstream:	( ) mg/L	Downstream:	( ) mg/L	Downstream:	( ) mg/L
<input 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: 0.90				
	Mid-Ebb:	DO (S&M):	DO (B):	Turbidity:		
		TIN: 0.90				
	<input checked="" type="checkbox"/> Dredging works conducted at Zone1A of the Project. According to Contractor, dredged rate (in-situ) at Zone1A was 385m3/day.					

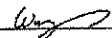
**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

**MaterialLab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07 / 09 / 2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07 / 09 / 2017

## Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

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

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH<sub>3</sub>-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH<sub>3</sub>-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

**MATERIALAB CONSULTANTS LIMITED**

 Fugro Development Centre,  
 5 Lok Yi Street,  
 17 M.S. Castle Peak Road,  
 Tai Lam, Tuen Mun, N.T., Hong Kong.

 Tel : (852)-24508238  
 Fax : (852)-24508032  
 Email : mcl@fugro.com.hk

**Interim Notification of Environmental Quality Limits Exceedances  
 Impact Water Quality Monitoring**
**Incident Report on Action Level or Limit Level Non-compliance**

Reference No.:	20170810 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	10/08/2017					
Time: (hh:mm)	Mid-Flood: 09:42		Mid-Ebb: 11:02			
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 <sub>(wet season)</sub> or 0.36/0.39 <sub>(dry season)</sub> mg/L			
Measured Level of exceeded parameters: (tick / fill in / circle as appropriate)	Mid-Flood:		Mid-Ebb:			
	DO (S&M): 4.50 AL / (I)	DO (B): AL / LL	DO (S&M): 4.53 AL / (I)	DO (B): AL / LL		
	Turbidity: AL / LL	TIN(In-situ): 0.73 AL / (I)	Turbidity: AL / LL	TIN(In-situ): 0.75 AL / (I)		
TIN(Lab): 0.72 AL / (I)	TSS : AL / LL	TIN(Lab): 0.74 AL / (I)	TSS : AL / LL			
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input checked="" 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)	TSS	TIN (In-situ)	TIN (Lab)
	<input checked="" type="checkbox"/> Station at Upstream Location at ME	✓			✓	✓
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL	MF:4.60mg/L(C2A)			MF:0.83mg/L(C2A)	MF:0.83mg/L(C2A)
	<input type="checkbox"/> No increasing trend towards 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	
Conclusion	<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): 4.50 TIN: 0.73 Mid-Ebb: DO (S&M): 4.53 TIN: 0.75					
Remarks: (tick / fill in as appropriate)	<input checked="" type="checkbox"/> Dredging works conducted at Zone2B1 of the Project. According to Contractor, dredged rate (in-situ) at Zone2B1 was 385m3/day.					

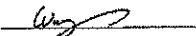
**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

**Materialab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07/09/2017

## Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

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

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH<sub>3</sub>-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH<sub>3</sub>-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

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170812 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	12/08/2017					
Time: (hh:mm)	Mid-Flood:	10:57	Mid-Ebb:	12:45		
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 <sub>(wet season)</sub> or 0.36/0.39 <sub>(dry season)</sub> 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): 4.39 AL / (U)	DO (B): _____ AL / LL	DO (S&M): 4.39 AL / (U)	DO (B): _____ AL / LL		
	Turbidity: _____ AL / LL	TIN(In-situ): 0.90 AL / (U)	Turbidity: _____ AL / LL	TIN(In-situ): 0.90 AL / (U)		
	TIN(Lab): 0.90 AL / (U)	TSS: _____ AL / LL	TIN(Lab): 0.89 AL / (U)	TSS: _____ AL / LL		
Action taken / to be taken: (tick / fill in as appropriate)	Inspection: <input checked="" 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)	TSS	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input checked="" type="checkbox"/> Station at Upstream Location at ME	✓			✓	✓
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL	MF:4.25mg/L(C2A)			MF:0.57mg/L(C2A)	MF:0.59mg/L(C2A)
<input type="checkbox"/> No increasing trend towards 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 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): 4.39	DO (B): _____	Turbidity: _____		
		TIN: 0.90	_____	_____		
	Mid-Ebb:	DO (S&M): 4.39	DO (B): _____	Turbidity: _____		
		TIN: 0.90	_____	_____		
	<input checked="" type="checkbox"/> Dredging works conducted at Zone 1A of the Project. According to Contractor, dredged rate (in-situ) at Zone 1A was <u>385m3/day</u> . _____ _____ _____					

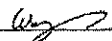
**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
 6 Lok Yi Street,  
 17 M.S. Castle Peak Road,  
 Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
 Fax : (852)-24508032  
 Email : mcl@fugro.com.hk

**Materialab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07/09/2017**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

DO (S&amp;M) – Dissolved Oxygen (Surface &amp; 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



**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170815 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	15/08/2017					
Time: (hh:mm)	Mid-Flood:	14:33	Mid-Ebb:	15:59		
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):	0.83 AL / LL	Turbidity:	AL / LL
	TIN(Lab):	0.82 AL / LL	TSS :	AL / LL	TIN(Lab):	0.82 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)	TSS	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input checked="" type="checkbox"/> Station at Upstream Location at ME				✓	✓
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				MF:0.49mg/L(C2A)	MF:0.49mg/L(C2A)
	<input type="checkbox"/> No increasing trend towards 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:		
		TIN:				
	Mid-Ebb:	DO (S&M):	DO (B):	Turbidity:		
	TIN:					
<input type="checkbox"/> _____ _____ _____ _____						


**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk


**Materialab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07/09/2017**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

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

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH<sub>3</sub>-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH<sub>3</sub>-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

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170817 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	17/08/2017					
Time: (hh:mm)	Mid-Flood:	12:20	Mid-Ebb:	11:05		
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 <sub>(wet season)</sub> or 0.36/0.39 <sub>(dry season)</sub> 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):	1.25 AL / <input checked="" type="checkbox"/>	Turbidity:	AL / LL
	TIN(Lab):	1.24 AL / <input checked="" type="checkbox"/>	TSS :	AL / LL	TIN(Lab):	1.24 AL / <input checked="" type="checkbox"/>
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)	TSS	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input checked="" type="checkbox"/> Station at Upstream Location at ME				✓	✓
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				MF:0.51mg/L(C2A)	MF:0.53mg/L(C2A)
	<input type="checkbox"/> No increasing trend towards 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:		
		TIN:				
	Mid-Ebb:	DO (S&M):	DO (B):	Turbidity:		
	TIN:					
<input type="checkbox"/> _____ _____ _____ _____						


**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

**MaterialLab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07/09/2017**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

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

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH<sub>3</sub>-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH<sub>3</sub>-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

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
 5 Lok Yi Street,  
 17 M.S. Castle Peak Road,  
 Tai Lam, Tuen Mun, N.T., Hong Kong.  
 Tel : (852)-24508238  
 Fax : (852)-24508032  
 Email : mcl@fugro.com.hk



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

Incident Report on Action Level or Limit Level Non-compliance

Reference No.:	20170819 /IM/SR5				
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel				
Date:	19/08/2017				
Time: (hh:mm)	Mid-Flood: 06:05		Mid-Ebb: 07:15		
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 <sub>(wet season)</sub> or 0.36/0.39 <sub>(dry season)</sub> 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	DO (B): AL / LL	
	Turbidity: AL / LL	TIN(In-situ): 0.99 AL / <input checked="" type="checkbox"/> LL	Turbidity: AL / LL	TIN(In-situ): 0.98 AL / <input checked="" type="checkbox"/> LL	
	TIN(Lab): 0.99 AL / <input checked="" type="checkbox"/> LL	TSS : AL / LL	TIN(Lab): 0.99 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 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)	TSS	TIN (In-situ)
		Findings / Evidences			
	<input checked="" type="checkbox"/> Station at Upstream Location at ME				<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				MF:0.58mg/L(C2A) MF:0.59mg/L(C2A)
<input type="checkbox"/> No increasing trend towards 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.				<input checked="" type="checkbox"/>
Remarks: (tick / fill in as appropriate)	Repeat in-situ measurement was done.				
	Mid-Flood:	DO (S&M): TIN: 0.99	DO (B): :	Turbidity: :	
	Mid-Ebb:	DO (S&M): TIN: 0.98	DO (B): :	Turbidity: :	
	<input type="checkbox"/> _____ _____ _____ _____				

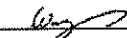
**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

**Materialab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07/09/2017**Notes:**

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

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

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH<sub>3</sub>-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH<sub>3</sub>-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

**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
5 Lok Yi Street,  
17 M.S. Castle Peak Road,  
Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



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

**Incident Report on Action Level or Limit Level Non-compliance**

Reference No.:	20170822 /IM/SR5					
Project:	CV/2013/04 - Providing Sufficient Water Depth for Kwai Tsing Container Basin and its Approach Channel					
Date:	22/08/2017					
Time: (hh:mm)	Mid-Flood: 09:01	Mid-Ebb: 09:40				
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 <sub>(wet season)</sub> or 0.36/0.39 <sub>(dry season)</sub> 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): 0.68 AL / (L)	Turbidity: AL / LL	TIN(In-situ): 0.67 AL / (L)		
	TIN(Lab): 0.68 AL / (L)	TSS : AL / LL	TIN(Lab): 0.68 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)	TSS	TIN (In-situ)	TIN (Lab)
	Findings / Evidences					
	<input checked="" type="checkbox"/> Station at Upstream Location at ME				✓	✓
	<input checked="" type="checkbox"/> Upstream Control Station (or gradient station) exceeded AL/LL				MF:0.51mg/L(C2A)	MF:0.52mg/L(C2A)
<input type="checkbox"/> No increasing trend towards 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): TIN: 0.68	DO (B):	Turbidity:		
	Mid-Ebb:	DO (S&M): TIN: 0.67	DO (B):	Turbidity:		
	<input type="checkbox"/> _____ _____ _____ _____					


**MATERIALAB CONSULTANTS LIMITED**

Fugro Development Centre,  
 5 Lok Yi Street,  
 17 M.S. Castle Peak Road,  
 Tai Lam, Tuen Mun, N.T., Hong Kong.

Tel : (852)-24508238  
 Fax : (852)-24508032  
 Email : mcl@fugro.com.hk

**MaterialLab**

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

Prepared by: Wingo SoSignature: Date (dd/mm/yyyy): 07/09/2017

Certified by: Colin Yung

Designation: Environmental Team Leader

Signature: Date (dd/mm/yy): 07/09/2017

## Notes:

- Abbreviation:

AL – Action Level

DO (B) – Dissolved Oxygen (Bottom)

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

LL – Limit Level

ME – Mid Ebb

MF – Mid Flood

NH<sub>3</sub>-N (In-situ) – Ammoniacal Nitrogen (In-situ results)NH<sub>3</sub>-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



---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

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
3.8	2.9	A	Water Quality					
		A1	<u>Use of Silt Screens</u> Silt Screens shall be installed at the flushing water intakes WSD1, WSD8, <del>WSD9</del> and EMSD1 to minimise the effect of potential increase in SS levels at the seawater intakes.	Minimize the effect of potential increase in SS levels at the seawater intakes	Contractor	WSD8, WSD9 and EMSD1	Construction Phase	Implemented
3.8	2.9	A2	<u>Use of Silt Curtains</u> 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.	Minimize the release of suspended soil from the dredging area	Contractor	Construction Work Sites	Construction Phase	Implemented
		A3	Water Quality Monitoring Program 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.	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	Implemented
3.8 (EP Ref 3)	-	A4	Dredging Operation Only two types of dredgers are allowed for this Project: (a) grab dredger with closed grab, and (b) <del>cutter suction dredger</del> spud pole grab dredger.	Minimize potential adverse effect as a result of dredging activities	Contractor	Construction Work Sites	Construction Phase	Implemented
		A5	The speed of any construction vessels shall not exceed 10 knots when passing through the area of the Project.					Implemented
		A6	No more than <del>three</del> two grab dredgers with closed grab <del>(or one cutter suction dredger with two closed grab dredgers)</del> shall be operated within the Project Area at any one time for the Project.					Implemented
		A7	Only one closed grab dredger <del>or one cutter suction dredger</del> shall be operated in Zone 2B and during which no other closed grab dredger shall be allowed in other zones within the Project Area.					Implemented
		A8	No more than one grab dredger with closed grab <del>(or one cutter suction dredger)</del> shall be operated within each of the five main zones at any one time for the Project <del>in which the cutter suction dredger shall only be operated in Zones 2 and 4 with maximum dredging rate of 700 m<sup>3</sup> in 30 minutes in any given hour (max. 8,400 m<sup>3</sup>/day, based on a 12-hour operation per day).</del>					Implemented
		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.					Implemented
		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 <sup>3</sup> per day during dry season or 3,440 m <sup>3</sup> per day during wet season as shown in EP-426/2011/A.					NA-Dredging works substantially completed
		A11	The maximum dredging rate for closed grab dredger at Rambler Channel – Zones 5 to 6 (subzones Z5A, Z5B and Z6A) shall not exceed 4,000 m <sup>3</sup> per					NA-Dredging works

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
			day during both dry and wet seasons as shown in EP-426/2011/A.					substantially completed
		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 <sup>3</sup> per day during both dry and wet seasons as shown in EP-426/2011/A.					NA-Dredging works substantially completed
		A13	The maximum dredging rate for closed grab dredger at Northern Fairway – Zones 9 to 12 shall not exceed 4,000 m <sup>3</sup> per day during both dry and wet seasons as shown in EP-426/2011/A.					NA-Dredging works substantially completed
		A14	The maximum dredging rate for closed grab dredger at Western Fairway – Zone 13A shall not exceed 4,000 m <sup>3</sup> per day during both dry and wet seasons as shown in EP-426/2011/A.					NA-Dredging works substantially completed
		A15	The maximum dredging rate for closed grab dredger at Western Fairway – Zone 13B shall not exceed 4,000 m <sup>3</sup> per day during both dry and wet seasons as shown in EP-426/2011/A.					NA-Dredging works substantially completed
		A16	<del>The dredging pump of cutter suction dredger shall be operated during cutting to reduce the sediment loss to water body.</del>					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	<del>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.</del>					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.					Implemented
		A20	In case of exceedance of SS and NH <sub>3</sub> -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 <sub>3</sub> -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 <sub>3</sub> -N in sediment is found shall be					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
			isolated with dredging works to be carried out towards the end of construction programme.					
		A23	Administrative control in terms of dredging rate adjustment in controlling the release of contaminants shall be employed as mitigation measures.					Implemented
		A24	Field trials shall be carried out to propose the most effective dredging 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 <sub>3</sub> -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.					Implemented
		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	-		<u>Other Good Site Practices for Dredging</u>	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>B</b>	<b>Waste Management</b>					
			<u>Good Site Practices</u>					
4.5	3.3	B1	Obtain the profile of different sediment categories and careful planning of sediment removal.	Minimize potential adverse effect arising from the handling of dredged material	Contractor	Construction Work Sites (General)	Construction Phase	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>					
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.	Minimize the adverse effect arising from the handling of site general refuse	Contractor	Construction Work Sites (General)	Construction Phase	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
			<u>Chemical Waste</u>					
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 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.	Minimize the adverse effect arising from the handling of site chemical waste	Contractor	Construction Work Site	Construction Phase	Implemented
4.5	3.3		<u>Marine Dredged Sediment</u>					
		B9	Control of transportation and disposal of dredged material in a manner to minimize potential impacts on water quality.	Control of transportation and disposal of dredged material in a manner to minimize potential impacts on water quality	Contractor	Construction Work Site	Construction Phase	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
		<b>C</b>	<b>Marine Ecology</b>					
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.	Review and assess the potential adverse effect on marine ecology	Contractor	Construction Work Sites	Construction Phase	Implemented
		<b>D</b>	<b>Fisheries</b>					
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.	Review and assess the potential adverse effect on fisheries	Contractor	Construction Work Sites	Construction Phase	Implemented
		<b>E</b>	<b>Hazard to Life</b>					
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.		Contractor	Construction Work Sites (General)	Construction Phase	Implemented
		E2	Proper safety and emergency training shall be given to the relevant					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
			operation staff at the dredging site. Emergency plans and procedures should be prepared and drills should be performed periodically.					
		<b>F</b>	<b>Landscape Visual and Glare</b>					
8.9 Table 8-3 & 8-6	7.2	F1	Visa shields to the lights of dredgers shall be provided.	Minimize landscape and visual impacts during construction phase	Contractor	Construction activities' area	Throughout design, construction phase	Implemented
		F2	The light source shall not point directly to any VSRs.					Implemented
		F3	Lights shall be switched off if they are not in use.					Implemented
		<b>G</b>	<b>Cultural Heritage</b>					
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.
		<b>H</b>	<b>Noise</b>					
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
		<b>I</b>	<b>Construction Dust</b>					
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

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

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 2017 (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 4)	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Metals	Paper/cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000 m <sup>3</sup> )	(in '000 m <sup>3</sup> )	(in '000 m <sup>3</sup> )	(in '000 m <sup>3</sup> )	(in '000 m <sup>3</sup> )	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 m <sup>3</sup> )
2017										
Jan	nil	nil	nil	nil	nil	nil	nil	nil	nil	0.01
Feb	nil	nil	nil	nil	nil	nil	nil	nil	nil	0.01
Mar	nil	nil	nil	nil	nil	nil	nil	nil	nil	0.01
Apr	nil	nil	nil	nil	nil	nil	nil	nil	4.8	0.01
May	nil	nil	nil	nil	nil	nil	nil	nil	nil	0.01
Jun	nil	nil	nil	nil	nil	nil	nil	nil	nil	0.01
Jul	nil	nil	nil	nil	nil	nil	nil	nil	nil	0.01
Aug	nil	nil	nil	nil	nil	nil	nil	nil	nil	0.01
Sep										
Oct										
Nov										
Dec										
<b>Total</b>	nil	nil	nil	nil	nil	nil	nil	nil	4.8	0.08

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 (2014 - 2017)

Marine Sediment Type	Type 1 – Open Sea Disposal	Type 2 – Confined Marine Disposal	Type 3 – Special Treatment / Disposal
Month	Monthly Quantity (m <sup>3</sup> )	Monthly Quantity (m <sup>3</sup> )	Monthly Quantity (m <sup>3</sup> )
<b>2014</b>			
Jan-Dec	549,430	99,660	nil
<b>2015</b>			
Jan-Dec	938,560	372,370	nil
<b>2016</b>			
January	12,580	22,290	nil
February	47,980	30,300	nil
March	34,550	20,070	nil
April	31,040	14,540	nil
May	23,960	20,490	1,260
June	29,950	26,820	nil
July	9,500	18,040	nil
August	6,300	700	nil
September	nil	nil	nil
October	nil	nil	nil
November	nil	nil	nil
December	nil	nil	nil
<b>2017</b>			
January	nil	nil	nil
February	nil	nil	nil
March	nil	nil	nil
April	nil	3,000	nil
May	nil	5,000	nil
June	nil	2,000	nil
July	500	6,500	nil
August	500	6,000	nil
Total	1,684,850	647,280	1,260

## Yearly Summary Waste Flow Table

Year	Estimated Annual Quantities of Inert C&D Materials (in '000m <sup>3</sup> )										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 <sup>3</sup> )	
	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	-	0.15	-
2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	0.41

### 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.

---

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

---

**MaterialLab**

---

---

Report No.: 0394/13/ED/0362

Appendix L

Weather Conditions for the Reporting Month

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk



Report No.: 0394/13/ED/0362

Date	Air Temperature			Mean Relative Humidity (%)	Total Rainfall (mm)
	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)		
<b>July 2017</b>					
23	28.8	27.2	25.6	87	46.5
24	31.2	27.9	25.8	89	3.3
25	33.1	29.6	27.7	80	Trace
26	34.4	29.8	27.1	77	0
27	30.6	29	28	80	Trace
28	34.4	30.3	28.1	73	0
29	33.8	30.8	28.8	72	0
30	34.8	31.8	29.6	74	0
31	32.4	30.7	29.8	79	0
<b>August 2017</b>					
1	33.2	30.5	28.3	80	5.9
2	31	29.3	27.3	83	14.8
3	29.8	27.8	25.3	88	66.7
4	29.3	27.6	25.9	89	19.3
5	34	30	27.1	80	0.9
6	32.9	30.3	28.5	78	0
7	33	30.5	27.3	77	6.9
8	32.8	30.4	28.4	78	1.9
9	31	29.6	26.3	81	14.3
10	31.4	29.6	27.6	81	11.1
11	31.6	30	28.9	79	3.5
12	32.5	30	29	76	0
13	32.4	29.8	28.6	76	0
14	32.5	29.9	28.8	75	Trace
15	32.9	29.8	28.1	74	0.2
16	31.2	29.3	28.2	75	Trace
17	33	29.9	27.9	73	0
18	34.3	30.4	28.1	76	0
19	34	30.6	28.4	71	0
20	33.4	30.5	28.5	75	0
21	34.5	31.3	28.6	72	0
22	36.6	30.9	28	76	2

Source: Hong Kong Observatory

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
 Profit Industrial Building,  
 1-15 Kwai Fung Crescent,  
 Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
 Fax : (852)-24508032  
 Email : mcl@fugro.com.hk



Report No.: 0394/13/ED/0362

**Rainstorm Warning**

Color	Start Time		End Time		Duration
	hh mm	dd/mon/yyyy	hh mm	dd/mon/yyyy	hh mm
Amber	22:30	23-Jul-17	0:45	24-Jul-17	02 15
Amber	5:05	3-Aug-17	5:30	3-Aug-17	00 25
Red	5:30	3-Aug-17	7:05	3-Aug-17	01 35
Amber	7:05	3-Aug-17	7:45	3-Aug-17	00 40
Amber	6:20	4-Aug-17	8:20	4-Aug-17	02 00

Source: Hong Kong Observatory

**Thunderstorm Warning**

Start Time		End Time		Duration
hh mm	dd/mon/yyyy	hh mm	dd/mon/yyyy	hh mm
7:25	23-Jul-17	13:30	23-Jul-17	06 05
21:35	23-Jul-17	3:45	24-Jul-17	06 10
15:35	24-Jul-17	16:15	24-Jul-17	00 40
8:00	27-Jul-17	12:20	27-Jul-17	04 20
19:40	31-Jul-17	20:45	31-Jul-17	01 05
6:30	1-Aug-17	10:00	1-Aug-17	03 30
2:50	2-Aug-17	14:00	2-Aug-17	11 10
0:30	3-Aug-17	1:30	3-Aug-17	01 00
3:25	3-Aug-17	8:15	3-Aug-17	04 50
15:55	3-Aug-17	17:00	3-Aug-17	01 05
5:15	4-Aug-17	11:15	4-Aug-17	06 00
12:10	6-Aug-17	12:45	6-Aug-17	00 35
7:15	7-Aug-17	8:30	7-Aug-17	01 15
7:50	9-Aug-17	10:00	9-Aug-17	02 10
12:15	9-Aug-17	14:00	9-Aug-17	01 45
3:05	10-Aug-17	3:40	10-Aug-17	00 35
5:55	10-Aug-17	12:30	10-Aug-17	06 35
13:55	10-Aug-17	15:15	10-Aug-17	01 20
3:45	12-Aug-17	4:30	12-Aug-17	00 45
10:35	16-Aug-17	13:40	16-Aug-17	03 05
14:15	18-Aug-17	15:00	18-Aug-17	00 45
12:35	22-Aug-17	18:45	22-Aug-17	06 10

Source: Hong Kong Observatory

**MATERIALAB CONSULTANTS LIMITED**

Room 723 & 725, 7/F, Block B,  
Profit Industrial Building,  
1-15 Kwai Fung Crescent,  
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238  
Fax : (852)-24508032  
Email : mcl@fugro.com.hk

**MaterialLab**

Report No.: 0394/13/ED/0362

**Tropical Cyclone Warning Signals**

Intensity	Name	Signal	Start Time		End Time		Duration hh mm
			hh mm	dd/mon/yyy y	hh mm	dd/mon/yyy y	
Tropical Storm	ROKE	3	3:40	23-Jul-17	9:20	23-Jul-17	05 40
Tropical Storm	ROKE	8 NW	9:20	23-Jul-17	13:20	23-Jul-17	04 00
Tropical Storm	ROKE	3	13:20	23-Jul-17	15:10	23-Jul-17	01 50
Tropical Storm	ROKE	1	15:10	23-Jul-17	19:40	23-Jul-17	04 30
Severe Typhoon	HATO	1	8:40	22-Aug-17	18:20	22-Aug-17	09 40
Severe Typhoon	HATO	3	18:20	22-Aug-17	5:20	23-Aug-17	11 00

Source: Hong Kong Observatory