



Capco 青山發電有限公司
Castle Peak Power Co. Ltd.

Additional Gas-fired Generation Units Project – Installation of One Additional Gas-fired Generation Unit (CCGT Unit No.1) at the Black Point Power Station

Water Quality Monitoring Report for the First
Year of Additional CCGT Commissioning

11 July 2022

Project No.: 0368878

Document details	
Document title	Additional Gas-fired Generation Units Project – Installation of One Additional Gas-fired Generation Unit (CCGT Unit No.1) at the Black Point Power Station
Document subtitle	Water Quality Monitoring Report for the First Year of Additional CCGT Commissioning
Project No.	0368878
Date	11 July 2022
Version	d
Author	CW, JW, NN, AL
Client Name	Castle Peak Power Company Limited

Document history

Version	Revision	Author	Reviewed by	ERM approval to issue		Comments
				Name	Date	
Draft	d	CW, JW, NN, AL	JN	JN	11.7.2022	-

**Installation of One Additional Gas-fired Generation Unit (CCGT Unit No. 1)
at the Black Point Power Station
Environmental Certification Sheet
EP-507/2016/D**

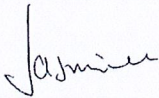
Reference Document/Plan

Document/Plan to be Certified/ Verified:	Water Quality Monitoring Report for the First Year of Additional CCGT Commissioning
Date of Report:	11 July 2022
Date prepared by ET:	11 July 2022
Date received by IEC:	

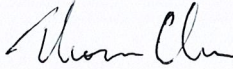
Reference EM&A Manual/ EP Requirement

EM&A Manual:	Sections 15.5
Content:	<i>Water Quality Monitoring Report for the First Year of Additional CCGT Commissioning</i>
A water quality monitoring report will be prepared by the ET at the end of the first year of operation for each of the CCGT units to include the results of weekly marine water quality monitoring exercise as well as the daily effluent monitoring exercise.	
Types of reports that the ET Leader will prepare and submit include baseline monitoring report, post-construction water quality monitoring report, monthly EM&A report, quarterly EM&A summary report, final EM&A review report, and water quality monitoring report for the first-year of additional CCGT commissioning.	

ET Certification

I hereby certify that the above referenced document/plan complies with the above referenced condition of EP-507/2016/D.	
Dr Jasmine Ng, Environmental Team Leader:	Date: 11 July 2022
	

IEC Verification

I hereby verify that the above referenced document/plan complies with the above referenced condition of EP-507/2016/D.	
Mr Thomas Chan, Independent Environmental Checker:	Date: 11 July 2022
	

Signature Page

11 July 2022

Additional Gas-fired Generation Units Project – Installation of One Additional Gas- fired Generation Unit (CCGT Unit No.1) at the Black Point Power Station

Water Quality Monitoring Report for the First Year of Additional CCGT
Commissioning



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EXECUTIVE SUMMARY

The purpose of this *Water Quality Monitoring Report for the First Year of Additional CCGT Commissioning* is to present the results of the weekly marine water quality monitoring as well as the daily effluent monitoring on the first year of commissioning of the CCGT Unit No.1 in accordance with the Updated Environmental Monitoring and Audit (EM&A) Manual.

An Environmental Permit (EP) (EP-507/2016) was granted for the CCGT Unit No.1 on 14 June 2016. The EP had been varied and a varied EP (EP-507/2016/D) was issued on 21 December 2021. Baseline water quality monitoring was conducted from 20 April 2020 to 15 May 2020 while the Baseline Water Quality Monitoring Report has been submitted to EPD on 4 August 2020. The construction of CCGT Unit No. 1 was completed on 31 May 2021 and the water quality monitoring for first year of additional CCGT commissioning commenced on 1 June 2021.

Marine water quality monitoring for first year of operation was conducted at six stations during the monitoring period from 1 June 2021 to 31 May 2022, with a frequency of once a week. No Project-related Action and Limit Level exceedances were recorded. Marine water quality monitoring data within the monitoring period were reviewed with reference to the approved EIA Report. The results were generally in line with the EIA predictions. The monitoring methodology for marine water quality was reviewed and no change to monitoring methodology is recommended.

No non-compliance against the Discharge Licence requirements was recorded for the cooling water effluent quality monitoring in the monitoring period. No abnormal operation of the CCGT Unit No.1 or cooling water discharge facility was observed.

In addition, there were no environmental complaints, notification of summons and prosecutions recorded in the monitoring period.

Overall, the water quality monitoring results indicated that the Project has not caused unacceptable environmental impacts. The environmental performance of the operation of the Project is generally in line with the EIA predictions and considered acceptable.

1. INTRODUCTION

1.1 Background

The Castle Peak Power Company Limited (CAPCO) is a joint venture between CLP Power Hong Kong Limited (CLP) and China Southern Power Grid Company Limited with CLP as the operator. ERM-Hong Kong, Limited (ERM) and Mott MacDonald Hong Kong Limited were appointed by CAPCO as the Environmental Team (ET) and the Independent Environmental Checker (IEC), respectively, to undertake the Environmental Monitoring and Audit (EM&A) activities for the installation of CCGT Units No.1 and No. 2 of the Additional Gas-fired Generation Units Project at the Black Point Power Station (BPPS) (“the Project”).

The scope of the Project involves the phased construction and operation of up to two additional combined cycle gas turbine (CCGT) units (with an installed capacity of up to 1,200 MW) at the BPPS. The additional generation units will be of CCGT configuration using natural gas as the primary fuel. It is a Designated Project under the *Environmental Impact Assessment Ordinance* (Cap. 499) (EIAO). The current EM&A Programme includes both the CCGT Units No. 1 and No. 2. The location plan of key Project components for CCGT Units No. 1 and No. 2 is shown in **Figure 1.1**.

An Environmental Impact Assessment (EIA) Report of the Additional Gas-fired Generation Units Project (Register No. AEIAR-197/2016) was approved in June 2016. An Environmental Permit (EP-507/2016) (EP) for CCGT Unit No. 1 had been issued in June 2016. The EP had been varied and the latest varied EP (EP-507/2016/D) was issued on 21 December 2021.

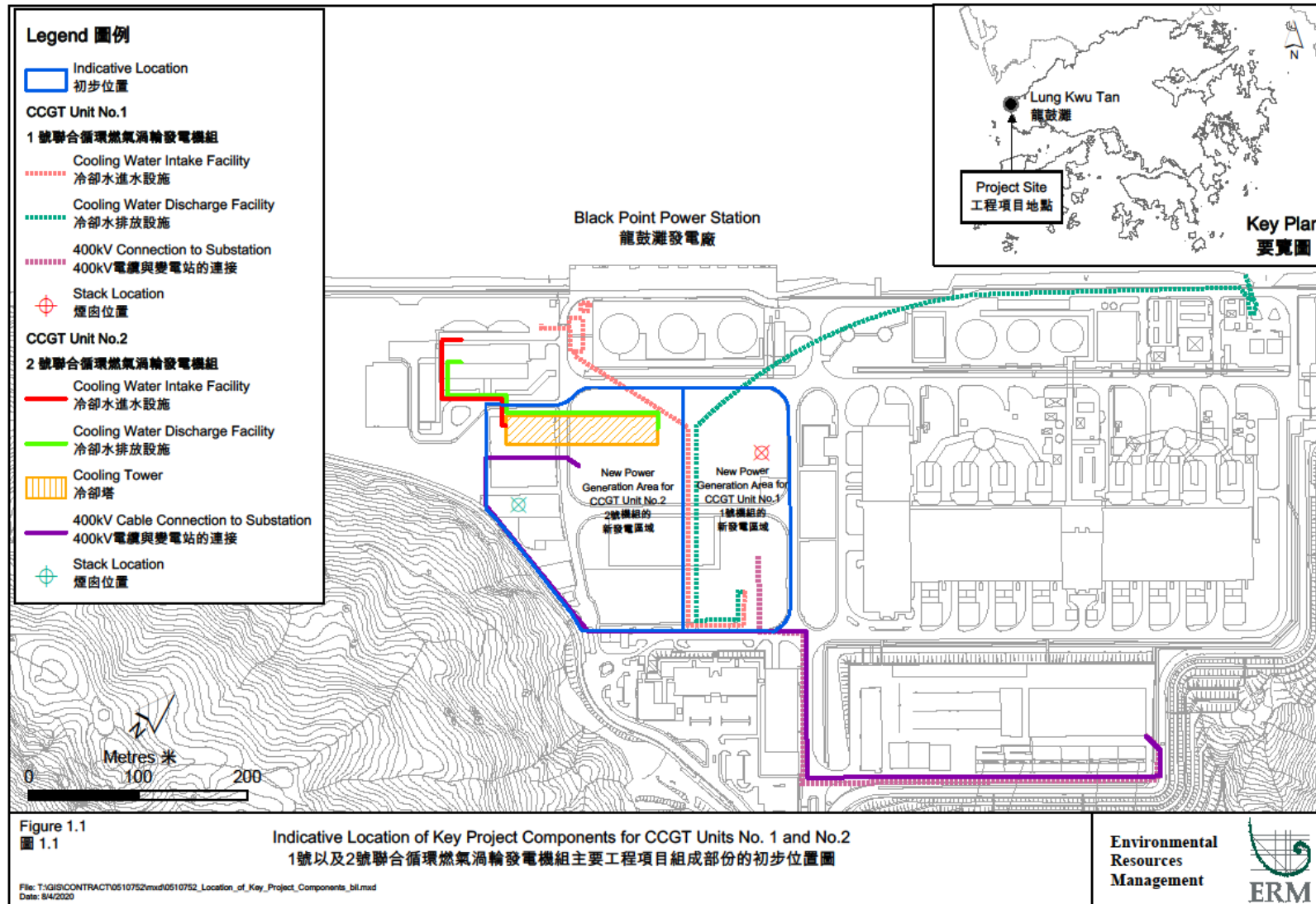
1.2 Purpose of this Report

The purpose of this *Water Quality Monitoring Report for the First Year of Additional CCGT Commissioning* is to present the results of the weekly marine water quality monitoring as well as the daily effluent monitoring on the first year of commissioning (i.e. 1 June 2021 to 31 May 2022) of the CCGT Unit No.1 in accordance with the Updated Environmental Monitoring and Audit (EM&A) Manual.

1.3 Structure of this Report

Following this introductory section, the remainder of this *Water Quality Monitoring Report for the First Year of Additional CCGT Commissioning* is set out as follows:

- **Section 2** details the monitoring requirements specified in the *Updated EM&A Manual*, including monitoring methodology, locations, Action and Limit Levels and Event and Action Plan;
- **Section 3** summarises the water quality monitoring results obtained in the reporting period;
- **Section 4** summarises the environmental complaints, notification of summons and prosecutions recorded during the reporting period.
- **Section 5** provides the conclusion of this *Water Quality Monitoring Report for the First Year of Additional CCGT Commissioning*.



2. MONITORING REQUIREMENTS

In accordance with the Updated EM&A Manual of the Project, weekly marine water quality monitoring and daily cooling water effluent quality monitoring were conducted. The weekly marine water quality monitoring for the first year of operation was carried out for one year at six (6) monitoring stations in the first year of commissioning of the CCGT Unit No.1 or CCGT Unit No.2, in the same manner as the baseline monitoring except at a frequency of once per week.

For the weekly marine water quality monitoring, each station was sampled and measurements/ water samples were taken at three depths, 1 m below the sea surface, mid-depth and 1 m above the seabed. For stations that were less than 3 m in depth, only the mid-depth sample was taken. For stations that were less than 6 m in depth, only the surface and bottom samples were taken. For in situ measurements, duplicate readings were made at each water depth at each station. The effluent sampling was planned carefully to ensure appropriate volume of effluent subsamples was collected to prepare sufficient amount of flow-weighted composite effluent sample for carrying out subsequent chemical analysis and testing.

Monitoring of cooling water effluent quality were conducted daily for one year at specific location agreed by IEC after the commissioning of the CCGT Unit No.1. The monitoring exercise was conducted in accordance with the effluent parameters and standards stipulated by the Water Pollution Control Ordinance (WPCO) Discharge Licence conditions and therefore is not further detailed in this Report. The monitoring requirement for the monitoring of cooling water effluent quality were approved by EPD. The cooling water effluent monitoring results would indicate whether the effluent quality was in compliance with the Discharge Licence requirements. In case of non-compliance, suitable actions would be undertaken to notify the plant operator for the non-compliance and identify the cause for the non-compliance. Corrective and remedial actions would be implemented to improve the effluent.

2.1 Monitoring Locations

The weekly marine water quality monitoring locations were carried out in the same manner as the baseline monitoring. The monitoring locations are shown in **Figure 2.1** and detailed in **Table 2.1**.

Table 2.1 Location of Water Quality Monitoring Stations

Station	Easting	Northing	Description
SR3A	810972	831758	Ha Pak Nai
SR5A	808758	829294	Lung Kwu Sheung Tan
SR7	806218	827940	Northeastern corner of the Sha Chau and Lung Kwu Chau Marine Park
SR14A	809733	832515	Oyster production area
CEA	810937	834358	Control station for ebb tide
CF	806912	826205	Control station for flood tide

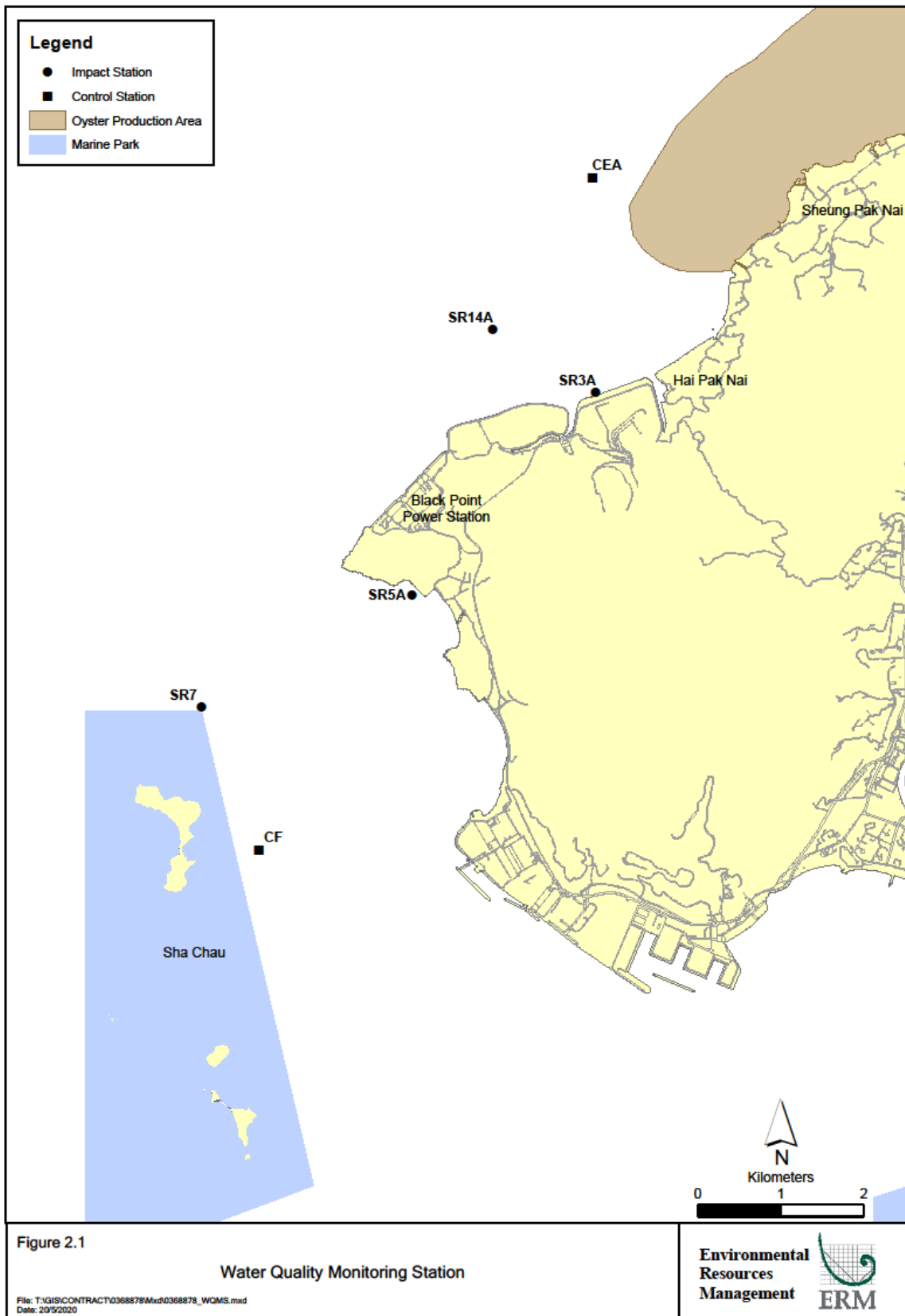
2.2 Monitoring Methodology

2.2.1 Monitoring Equipment

Table 2.2 summarises the equipment used in the weekly marine water quality monitoring works for the first year of additional CCGT commissioning. All of the monitoring equipment complied with the requirements as set out in the *Updated EM&A Manual*. Copies of the calibration certificates for the measuring equipment for Dissolved Oxygen (DO), Temperature, Turbidity, pH, Salinity and TRC are attached in **Appendix A**.

Table 2.2 Water Quality Monitoring Equipment

Equipment	Brand and Model
Water Sampling Equipment	Wildlife Supply Company Horizontal Alpha™ Bottles
Positioning Device	GARMIN 20X personal navigator
Water Depth Gauge	GARMIN STRIKER 4
Measuring Equipment for DO, Temperature, Turbidity, pH and Salinity	YSI ProDSS / 6920 V2
Measuring Equipment for Current Velocity and Direction	Sontek Riversurveyor / Hydrosurveyor
Measuring Equipment for Total Residual Chlorine (TRC)	Hanna Instruments (Model HI761)



2.2.2 Monitoring Parameters and Frequency

The parameters that have been selected for measurement *in situ* are those that were either determined in the EIA to be those with the most potential to be affected by the Project or are a standard check on water quality conditions. **Table 2.3** summarises the monitoring parameters, monitoring period and frequencies of the water quality monitoring for the first year of additional CCGT commissioning.

Table 2.3 Water Quality Monitoring Parameters and Frequency

Monitoring Station	Parameters	Depth	Frequency and Replication
<u>Impact Stations</u> SR3A, SR5A, SR7, SR14A	<ul style="list-style-type: none"> ■ Dissolved Oxygen (DO) (mg/L) ■ Dissolved Oxygen Saturation (DOS) (%) 	<ul style="list-style-type: none"> ■ 3 water depths: 1 m below sea surface, mid-depth and 1 m above seabed. 	<ul style="list-style-type: none"> ■ Water quality monitoring for the first year of additional CCGT commissioning: once per week, at mid-flood and mid-ebb tides, for one year. ■ Two (2) replicates in-situ measurements and water samples at each depth at each station.
<u>Control Stations</u> CEA, CF	<ul style="list-style-type: none"> ■ Temperature (°C) ■ pH ■ Turbidity (NTU) ■ Salinity (ppt) ■ Water depth (m) ■ Total Residual Chlorine (TRC) (mg/L) 	<ul style="list-style-type: none"> ■ If the water depth is less than 3 m, mid-depth sampling only. ■ If water depth less than 6 m, mid-depth may be omitted. 	

2.2.3 Operational/ Analytical Procedures

At each sampling depth, two consecutive measurements of DO level, DO Saturation, Temperature, Turbidity, Salinity, pH and TRC were taken. No sampling for laboratory analysis was conducted.

2.3 QA/QC Requirements

2.3.1 Calibration of In-situ Instruments

All *in situ* monitoring equipment for the measurement of temperature, dissolved oxygen, turbidity, pH and salinity were checked, calibrated and certified by a laboratory accredited under HOKLAS before use. The test kit for TRC was checked against the calibration check set provided by the manufacturer before commencement of monitoring. The *in situ* monitoring equipment for the measurement of temperature, dissolved oxygen, turbidity, pH and salinity was subsequently re-calibrated every three months throughout the monitoring for the first year of additional CCGT commissioning. Responses of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibration for dissolved oxygen meter was carried out before commencement of monitoring and after completion of all measurements each day.

On-site calibration of field equipment followed the “Guide to On-Site Test Methods for the Analysis of Waters”, BS 1427: 2009. Sufficient stocks of spare parts were maintained for replacements when necessary. Backup monitoring equipment was also made available to ensure monitoring could proceed uninterrupted even when equipment is under maintenance, calibration etc.

2.3.2 Decontamination Procedures

Water sampling equipment used during the course of the monitoring programme was decontaminated by manual washing and rinsed with clean seawater/distilled water after each sampling event. All disposable equipment was discarded after sampling.

2.4 Action and Limit Levels

The water quality monitoring results indicated there were natural fluctuations in the marine environment. Impact water quality monitoring data were evaluated against Action and Limit Levels determined using baseline data to determine water quality compliance.

Baseline water quality monitoring was conducted from 20 April 2020 to 15 May 2020. The Baseline Water Quality Monitoring Report has been submitted to EPD on 4 August 2020.

The calculated Action and Limit levels are shown in accordance with requirements set out in the *Updated EM&A Manual* and are summarised in Table 2.4.

Table 2.4 Calculated Action and Limit Levels for Impact Water Quality Monitoring

Parameter	Action Level	Limit Level
DO in mg L ⁻¹ ^a	<u>Surface and Middle</u> 5.7 mg L ⁻¹ for surface and middle layers	<u>Surface and Middle</u> 4 mg L ⁻¹
	<u>Bottom</u> 5.5 mg L ⁻¹ for bottom layer	<u>Bottom</u> 2 mg L ⁻¹
Water temperature in °C (Depth-averaged ^b) ^c	±1.5 °C of the relevant control station's water temperature at the same tide of the same monitoring event.	±2.0 °C of the relevant control station's water temperature at the same tide of the same monitoring event.
Turbidity in NTU (Depth-averaged ^b) ^c	21.0 mg L ⁻¹ , and 120% of the relevant control station's turbidity at the same tide of the same day	42.1 mg L ⁻¹ , and 130% of the relevant control station's turbidity at the same tide of the same day
TRC in mgL ⁻¹ (Depth-averaged ^b) ^c	0.02 mg L ⁻¹	0.02 mg L ⁻¹

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.
- For water temperature, turbidity and TRC, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

2.5 Event and Action Plan

In case of non-compliance of the criteria for water quality, action in accordance with the Event and Action Plan presented in **Table 2.5** below were carried out and review works were conducted.

Table 2.5 Event and Action Plan for Water Quality Monitoring

Event	Action		
	ET	IEC	CAPCO
Action Level being exceeded by one sampling day	<ol style="list-style-type: none"> Repeat <i>in situ</i> measurement to confirm findings; Check monitoring data, plant, and equipment; Identify source(s) of impact and record in notification of exceedance; Inform IEC and CAPCO. 	<ol style="list-style-type: none"> Check monitoring data submitted by ET and operating conditions of CCGT's Unit 1 provided by CAPCO; Inform EPD. 	<ol style="list-style-type: none"> Confirm receipt of notification of exceedance in writing. Check operating conditions of CCGT Unit 1 and rectify unacceptable practice

Event	Action		
	ET	IEC	CAPCO
Action Level being exceeded by two or more consecutive sampling days	<ol style="list-style-type: none"> 1. Repeat <i>in situ</i> measurement to confirm findings; 2. Check monitoring data, plant, and equipment; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC and CAPCO; 5. Discuss with IEC and CAPCO on additional mitigation measures and ensure that they are implemented 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET and operating conditions of CCGT's Unit 1 provided by CAPCO; 2. Inform EPD; 3. Discuss with ET and CAPCO on additional mitigation measures; 4. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of exceedance in writing; 2. Check operating conditions of CCGT Unit 1 and rectify unacceptable practice 3. Discuss with the ET and IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented. 4. Ensure additional mitigation measures are properly implemented.
Limit Level being exceeded by one sampling day	<ol style="list-style-type: none"> 1. Repeat <i>in situ</i> measurement to confirm findings; 2. Check monitoring data, plant, and equipment; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC and CAPCO; 5. Discuss with IEC and CAPCO on additional mitigation measures and ensure that they are implemented 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET and operating conditions of CCGT's Unit 1 provided by CAPCO; 2. Inform EPD; 3. Discuss with ET and CAPCO on additional mitigation measures; 4. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of exceedance in writing; 2. Check operating conditions of CCGT Unit 1 and rectify unacceptable practice 3. Discuss with the ET and IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented. 4. Ensure additional mitigation measures are properly implemented.
Limit Level being exceeded by two or more consecutive sampling days	<ol style="list-style-type: none"> 1. Repeat <i>in situ</i> measurement to confirm findings; 2. Check monitoring data, plant, and equipment; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC and CAPCO; 5. Discuss with IEC and CAPCO on additional mitigation measures and ensure that they are implemented 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET and operating conditions of CCGT's Unit 1 provided by CAPCO; 2. Inform EPD; 3. Discuss with ET and CAPCO on additional mitigation measures; 4. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of exceedance in writing; 2. Check operating conditions of CCGT Unit 1 and rectify unacceptable practice 3. Discuss with the ET and IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented. 4. Ensure additional mitigation measures are properly implemented. 5. Adjust chlorine dosing of the CCGT units.

3. WATER QUALITY MONITORING RESULTS FOR THE FIRST YEAR OF ADDITIONAL CCGT COMMISSIONING

3.1 Monitoring Results

Water quality monitoring for the first year of commissioning of CCGT Unit No.1 was conducted as per the requirements outlined in **Section 2**. The detailed monitoring schedule is shown in **Appendix B**. The monitoring results with weather and sea conditions on each monitoring day are shown in **Appendix C**. Graphical presentation of water quality at the monitoring stations is given in **Appendix D**.

The weekly marine water quality monitoring exercise for the first year of commissioning of CCGT Unit No.1 covered a total of 53 days, where water quality data including dissolved oxygen, turbidity, water temperature and total residual chlorine were collected. The mean, standard deviation and range of monitoring data ⁽¹⁾ at impact stations as well as control stations are provided in **Table 3.1**.

The daily monitoring of cooling water effluent quality covered a total of 365 days, where water quality data, including pH, water temperature and TRC, were collected. The daily cooling water effluent records are presented in **Appendix E**.

3.2 Summary of Results and Record on Non-Compliance (Exceedances) of Action and Limit Levels

The water temperature recorded at all impact monitoring stations ranged from 15.4 – 31.2 °C, and was generally higher from June to September. The DO levels (at all levels) recorded during the monitoring period ranged from 3.4 – 13.3 mg/L, and were generally lower from June to September. The turbidity levels recorded ranged from 1.3 – 41.1 NTU with a mean value of 6.7 NTU, while TRC levels ranged from 0.002 – 0.019 mg/L with a mean value of 0.010 mg/L. The monitoring data also showed that water quality was similar between impact and control stations.

A total of 199 exceedances in marine water quality were recorded during the monitoring period, in which 190 were action level exceedance and nine were limit level exceedance. These included 100, 73, 22 and four exceedances on DO (bottom level), DO (surface and middle level), water temperature and turbidity, respectively. All exceedances were recorded and review works were conducted according to the Event and Action Plan presented in **Table 2.5**. It was found that in all cases of exceedance, no abnormal operation for CCGT Unit No.1 or the cooling water discharge facility were observed. The cooling water effluent monitoring results during the same monitoring period confirmed that effluent quality was in compliance with the Discharge Licence requirements. Further analysis showed that the measured values at the impact stations were similar to those of the relevant control stations at the same tide at the same monitoring event. The measured values in the impact stations were also within the range of results obtained by EPD in their long-term water quality monitoring. This indicates that variations in water quality during the monitoring period were due to natural fluctuations and not isolated incidents due to Project works.

No non-compliance against the Discharge Licence requirements was recorded for the cooling water effluent quality monitoring in the first year of commissioning of CCGT Unit No.1 (i.e. 1 June 2021 to 31 May 2022).

⁽¹⁾ The mean, range and standard deviation are calculated from raw data, regardless of depth and replicates.

**Table 3.1 Comparison of Mean Values of Various Water Quality Parameters at Monitoring Stations During First-year
Operation**

Stations	Monitoring phase	Water Temperature (°C)		Dissolved Oxygen - Surface and Mid-depth (mg/L)		Dissolved Oxygen - Bottom (mg/L)		Turbidity (NTU)		TRC (mg/L)	
		Mid-Ebb	Mid-Flood	Mid-Ebb	Mid-Flood	Mid-Ebb	Mid-Flood	Mid-Ebb	Mid-Flood	Mid-Ebb	Mid-Flood
CEA	First-year	24.4±4.6	24.4±4.6	7.3±1.7	7.3±1.6	6.7±1.4	6.8±1.4	5.9±3.5	6.4±3.7	0.011±0.003	0.010±0.006
	Operation	(15.4-31.4)	(15.4-31.3)	(4.8-13.8)	(4.8-12.9)	(4.0-10.2)	(4.1-10.6)	(1.4-23.9)	(1.7-22.0)	(0.005-0.021)	(0.005-0.039)
CF	First-year	23.8±4.1	23.8±4.1	6.8±1.3	6.6±1.3	6.1±1.7	6.2±1.6	6.0±4.0	6.0±3.6	0.011±0.003	0.010±0.003
	Operation	(15.4-29.8)	(15.4-29.7)	(4.4-11.1)	(4.4-10.3)	(2.8-10.7)	(3.2-9.9)	(1.4-20.9)	(1.4-18.7)	(0.006-0.020)	(0.005-0.017)
SR3A	First-year	24.3±4.6	24.3±4.5	6.8±1.4	6.8±1.4	6.3±1.6	6.5±1.5	7.1±3.2	7.3±4.3	0.009±0.002	0.010±0.002
	Operation	(15.4-31.1)	(15.4-31.2)	(4.0-10.8)	(4.0-10.9)	(3.4-10.0)	(3.4-10.1)	(1.5-17.6)	(1.8-21.9)	(0.005-0.014)	(0.006-0.016)
SR5A	First-year	24.2±4.4	24.3±4.4	7.0±1.3	6.9±1.4	6.6±1.2	6.7±1.4	6.6±3.4	6.6±4.2	0.011±0.002	0.010±0.002
	Operation	(15.4-30.8)	(15.4-31.1)	(4.3-11.5)	(4.8-11.0)	(4.0-9.8)	(3.9-10.3)	(16-19.3)	(1.3-26.6)	(0.006-0.017)	(0.006-0.014)
SR7	First-year	24.0±4.2	23.9±4.1	6.9±1.2	6.6±1.4	6.3±1.4	6.1±1.6	6.2±3.8	6.6±5.8	0.009±0.002	0.009±0.003
	Operation	(15.4-29.9)	(15.4-29.6)	(5.1-10.9)	(4.3-10.5)	(3.6-9.6)	(3.4-9.7)	(1.5-20.1)	(1.7-41.1)	(0.014-0.004)	(0.002-0.017)
SR14A	First-year	24.3±4.5	24.4±4.5	7.1±1.4	7.3±1.6	6.7±1.3	6.7±1.3	6.3±3.9	6.7±3.7	0.009±0.003	0.010±0.003
	Operation	(15.4-30.7)	(15.4-31.2)	(4.9-11.8)	(4.8-13.3)	(4.2-10.6)	(4.3-10.2)	(1.4-27.1)	(1.4-24.6)	(0.004-0.019)	(0.004-0.018)
All	First-year	24.1±4.4		7.0±1.5		6.4±1.5		6.1±3.7		0.010±0.004	
Control	Operation	(15.4-31.4)		(4.4-13.8)		(2.8-10.7)		(1.4-23.9)		(0.005-0.039)	
All	First-year	24.2±4.4		6.9±1.4		6.5±1.4		6.7±4.1		0.010±0.003	
Impact	Operation	(15.4-31.2)		(4.0-13.3)		(3.4-10.5)		(1.3-41.1)		(0.002-0.019)	

4. SUMMARY OF ENVIRONMENTAL COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

There were no environmental complaints (written or verbal), notification of summons and prosecutions for breaches of the current environmental protection/pollution control legislations recorded in the first year of commissioning of CCGT Unit No.1 (i.e. 1 June 2021 to 31 May 2022).

5. CONCLUSIONS

This *Water Quality Monitoring Report for the First Year of Additional CCGT Commissioning* presents the EM&A works undertaken from 1 June 2021 to 31 May 2022 in accordance with the updated EM&A Manual of the Project.

No abnormal operation of the CCGT Unit No.1 or cooling water discharge facility was observed. No non-compliance against the Discharge Licence requirements was recorded for the cooling water effluent quality monitoring during the monitoring period. Marine water quality monitoring was carried out weekly over the course of one year, at 6 monitoring stations after the commissioning of CCGT Unit No.1. No Project-related Action and Limit Level exceedances were recorded. Marine water quality monitoring data within the reporting period were reviewed with reference to the approved EIA Report. The results were generally in line with the EIA predictions. The monitoring methodology for marine water quality was reviewed and no change to monitoring methodology is recommended.

There were no environmental complaints, notification of summons and prosecutions recorded in the monitoring period.

The recommended environmental mitigation measures for the Project were effectively implemented and the EM&A programme undertaken by the ET has effectively monitored the operation activities as well as ensured proper implementation of mitigation measures. The monitoring and audit activities conducted in the monitoring period have been reviewed and are considered effective. As such, no change to the EM&A programme is recommended.

Overall, the water quality monitoring results indicated that the Project has not caused unacceptable environmental impacts. The environmental performance of the operation of the Project is generally in line with the EIA predictions and considered acceptable.

APPENDIX A EQUIPMENT CALIBRATION CERTIFICATIONS



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: THOMAS WONG
CLIENT: ENOVATIVE ENVIRONMENTAL SERVICE LTD
ADDRESS: FLAT 2207, YU FUN HSE,
YU CHUI COURT,
SHATIN, N.T. HONG KONG

WORK ORDER: HK2120735
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 21-May-2021
DATE OF ISSUE: 28-May-2021

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type: Chlorine Meter
Service Nature: Performance Check
Scope: Total Residual Chlorine
Brand Name/ Model No.: [HANNA]/ [HI761]
Serial No./ Equipment No.: [04470025101]/ [N/A]
Date of Calibration: 27-May-2021

GENERAL COMMENTS

This is the Final Report and supersedes any preliminary report with this batch number.

Mr Chan Siu Ming, Vico
Manager - Inorganic

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2120735
SUB-BATCH: 0
DATE OF ISSUE: 28-May-2021
CLIENT: ENOVATIVE ENVIRONMENTAL SERVICE LTD

Equipment Type: Chlorine Meter
Brand Name/ Model No.: [HANNA]/ [HI761]
Serial No./ Equipment No.: [04470025101]/ [N/A]
Date of Calibration: 27-May-2021

PARAMETERS:

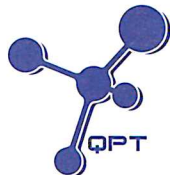
Total Residual Chlorine Method Ref: In house Measurement

Solution Used	Expected Reading (ppb)	Displayed Reading (ppb)
Milli Q Water	0	0
Sea Water	0	0
200	200 ± 20	200

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

A handwritten signature in black ink, appearing to read 'Chan Siu Ming'.

Mr Chan Siu Ming, Vico
Manager - Inorganic



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA030094
Date of Issue : 26 March 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 15M100005
Date of Received : Mar 25, 2021
Date of Calibration : Mar 25, 2021
Date of Next Calibration^(a) : Jun 24, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.02	0.02	Satisfactory
7.42	7.38	-0.04	Satisfactory
10.01	10.30	0.29	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.4	0.4	Satisfactory
20	20.1	0.1	Satisfactory
48	48.3	0.3	Satisfactory

Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.
^(b) The results relate only to the calibrated equipment as received
^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards..

LEE Chun-ning, Desmond
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA030094
Date of Issue : 26 March 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.36	0.28	-0.08	Satisfactory
2.81	2.58	-0.23	Satisfactory
5.45	5.72	0.27	Satisfactory
8.40	8.64	0.24	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)	Results
0.001	146.9	152.1	3.54	Satisfactory
0.01	1412	1278	-9.49	Satisfactory
0.1	12890	12810	-0.62	Satisfactory
0.5	58670	59234	0.96	Satisfactory
1.0	111900	114225	2.08	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.8	-2.00	Satisfactory
20	20.5	2.50	Satisfactory
30	29.8	-0.67	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ⁽¹⁾ (NTU)	Tolerance ⁽²⁾ (%)	Results
0	0.05	--	Satisfactory
10	9.8	-1.6	Satisfactory
20	18.9	-5.7	Satisfactory
100	96.4	-3.6	Satisfactory
800	822	2.8	Satisfactory

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

⁽¹⁾ "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.

⁽²⁾ The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.



REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA040092
Date of Issue : 22 April 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 16H104234
Date of Received : Apr 22, 2021
Date of Calibration : Apr 22, 2021
Date of Next Calibration^(a) : Jul 21, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	3.98	-0.02	Satisfactory
7.42	7.40	-0.02	Satisfactory
10.01	9.92	-0.09	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.02	0.02	Satisfactory
25	24.00	-1.00	Satisfactory
40	40.00	0.00	Satisfactory

Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.
^(b) The results relate only to the calibrated equipment as received
^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards..


LEE Chun-ning, Desmond
Senior Chemist

**REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION**Report No. : BA040092
Date of Issue : 22 April 2021
Page No. : 2 of 2**PART D – CALIBRATION RESULTS (Cont'd)****(3) Dissolved Oxygen**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.15	0.27	0.12	Satisfactory
1.88	1.92	0.04	Satisfactory
5.79	5.79	0.00	Satisfactory
8.49	8.42	-0.07	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)**(4) Conductivity at 25°C**

Conc. of KCl (M)	Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)	Results
0.001	146.9	145.3	-1.09	Satisfactory
0.01	1412	1331	-5.74	Satisfactory
0.1	12890	12364	-4.08	Satisfactory
0.5	58670	56724	-3.32	Satisfactory
1.0	111900	109210	-2.40	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)**(5) Salinity**

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	10.18	1.80	Satisfactory
20	20.25	1.25	Satisfactory
30	30.04	0.13	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)**(6) Turbidity**

Expected Reading (NTU)	Displayed Reading ^(b) (NTU)	Tolerance ^(a) (%)	Results
0	0.00	--	Satisfactory
10	10.10	1.0	Satisfactory
20	20.14	0.7	Satisfactory
100	107.6	7.6	Satisfactory
800	790	-1.3	Satisfactory

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -^(a) "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.^(b) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA030095
Date of Issue : 26 March 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 17E100747
Date of Received : Mar 25, 2021
Date of Calibration : Mar 25, 2021
Date of Next Calibration^(a) : Jun 24, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.02	0.02	Satisfactory
7.42	7.45	0.03	Satisfactory
10.01	9.98	-0.03	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature


Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	9.9	-0.1	Satisfactory
20	20.2	0.2	Satisfactory
48	48.4	0.4	Satisfactory

Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.
^(b) The results relate only to the calibrated equipment as received
^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards..


LEE Chun-ning, Desmond
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA030095
Date of Issue : 26 March 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.36	0.32	-0.04	Satisfactory
2.81	2.54	-0.27	Satisfactory
5.45	5.78	0.33	Satisfactory
8.40	8.78	0.38	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)	Results
0.001	146.9	135.8	-7.56	Satisfactory
0.01	1412	1326.4	-6.06	Satisfactory
0.1	12890	12224.6	-5.16	Satisfactory
0.5	58670	56572	-3.58	Satisfactory
1.0	111900	108792	-2.78	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.9	-1.00	Satisfactory
20	20.2	1.00	Satisfactory
30	30.3	1.00	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.02	--	Satisfactory
10	9.84	-1.6	Satisfactory
20	20.26	1.3	Satisfactory
100	108.2	8.2	Satisfactory
800	796	-0.5	Satisfactory

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

^(f) "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.

^(g) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA040093
Date of Issue : 22 April 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI 6920V2 (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 0001C6A7
Date of Received : Apr 22, 2021
Date of Calibration : Apr 22, 2021
Date of Next Calibration^(a) : Jul 21, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

<u>Parameter</u>	<u>Reference Method</u>
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.03	0.03	Satisfactory
7.42	7.44	0.02	Satisfactory
10.01	10.06	0.05	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature


Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	9.96	-0.04	Satisfactory
25	24.92	-0.08	Satisfactory
40	39.88	-0.12	Satisfactory

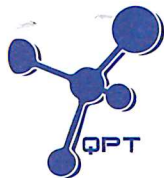
Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.
^(b) The results relate only to the calibrated equipment as received
^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards..


LEE Chun-ning, Desmond
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA040093
Date of Issue : 22 April 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.15	0.27	0.12	Satisfactory
1.88	1.92	0.04	Satisfactory
5.79	5.79	0.00	Satisfactory
8.49	8.42	-0.07	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)	Results
0.001	146.9	138.7	-5.58	Satisfactory
0.01	1412	1365	-3.33	Satisfactory
0.1	12890	12484	-3.15	Satisfactory
0.5	58670	56842	-3.12	Satisfactory
1.0	111900	108864	-2.71	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	10.05	0.50	Satisfactory
20	20.17	0.85	Satisfactory
30	30.46	1.53	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ⁽¹⁾ (NTU)	Tolerance ⁽²⁾ (%)	Results
0	0.00	--	Satisfactory
10	9.90	-1.0	Satisfactory
20	19.82	-0.9	Satisfactory
100	98.3	-1.7	Satisfactory
800	798	-0.2	Satisfactory

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

⁽¹⁾ "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.

⁽²⁾ The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA060073
Date of Issue : 18 June 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 17E100747
Date of Received : Jun 18, 2021
Date of Calibration : Jun 18, 2021
Date of Next Calibration^(a) : Sep 17, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.03	0.03	Satisfactory
7.42	7.45	0.03	Satisfactory
10.01	10.03	0.02	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature


Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.0	0.0	Satisfactory
25	24.9	-0.1	Satisfactory
40	40.1	0.1	Satisfactory

Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.
^(b) The results relate only to the calibrated equipment as received
^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards..


LEE Chun-ning, Desmond
Senior Chemist



專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA060073
Date of Issue : 18 June 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.05	0.30	0.25	Satisfactory
3.40	3.52	0.12	Satisfactory
5.03	5.49	0.46	Satisfactory
7.34	7.43	0.09	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)	Results
0.001	146.9	137.1	-6.67	Satisfactory
0.01	1412	1327.6	-5.98	Satisfactory
0.1	12890	12487.3	-3.12	Satisfactory
0.5	58670	57240	-2.44	Satisfactory
1.0	111900	109546	-2.10	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	10.02	0.20	Satisfactory
20	19.86	-0.70	Satisfactory
30	29.84	-0.53	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.09	--	Satisfactory
10	9.86	-1.4	Satisfactory
20	19.78	-1.1	Satisfactory
100	97.55	-2.5	Satisfactory
800	795.23	-0.6	Satisfactory

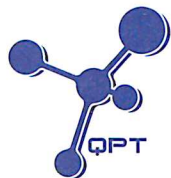
Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

^(f) "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.

^(g) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA060072
Date of Issue : 18 June 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 18A104824
Date of Received : Jun 18, 2021
Date of Calibration : Jun 18, 2021
Date of Next Calibration^(a) : Sep 17, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

<u>Parameter</u>	<u>Reference Method</u>
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.01	0.01	Satisfactory
7.42	7.43	0.01	Satisfactory
10.01	9.96	-0.05	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature


Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.0	0.0	Satisfactory
25	24.9	-0.1	Satisfactory
40	40.1	0.1	Satisfactory

Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.
^(b) The results relate only to the calibrated equipment as received
^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards..


Lee Chun-ning, Desmond
Senior Chemist



REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA060072
Date of Issue : 18 June 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.05	0.22	0.17	Satisfactory
3.40	3.44	0.04	Satisfactory
5.03	5.46	0.43	Satisfactory
7.34	7.41	0.07	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)	Results
0.001	146.9	136.9	-6.81	Satisfactory
0.01	1412	1328.1	-5.94	Satisfactory
0.1	12890	12346.5	-4.22	Satisfactory
0.5	58670	56584	-3.56	Satisfactory
1.0	111900	108843	-2.73	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.93	-0.70	Satisfactory
20	20.10	0.50	Satisfactory
30	29.81	-0.63	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.10	--	Satisfactory
10	9.91	-0.9	Satisfactory
20	19.72	-1.4	Satisfactory
100	96.93	-3.1	Satisfactory
800	796.11	-0.5	Satisfactory

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

^(f) "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.

^(g) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA070115
Date of Issue : 26 July 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 15M100005
Date of Received : Jul 26, 2021
Date of Calibration : Jul 26, 2021
Date of Next Calibration^(a) : Oct 25, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.02	0.02	Satisfactory
7.42	7.40	-0.02	Satisfactory
10.01	10.02	0.01	Satisfactory

Tolerance of pH should be less than ±0.20 (pH unit)

(2) Temperature

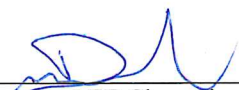
Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.0	0.0	Satisfactory
25	25.1	0.1	Satisfactory
46	46.1	0.1	Satisfactory

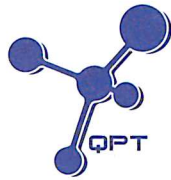
Tolerance limit of temperature should be less than ±2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.
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^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards..


LEE Chun-ning
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA070115
Date of Issue : 26 July 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.65	0.55	-0.10	Satisfactory
3.69	4.01	0.32	Satisfactory
5.42	5.68	0.26	Satisfactory
7.47	7.71	0.24	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S/cm}$)	Displayed Reading ($\mu\text{S/cm}$)	Tolerance (%)	Results
0.001	146.9	148.1	0.82	Satisfactory
0.01	1412	1428	1.13	Satisfactory
0.1	12890	12841	-0.38	Satisfactory
0.5	58670	58206	-0.79	Satisfactory
1.0	111900	112406	0.45	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.88	-1.20	Satisfactory
20	20.24	1.20	Satisfactory
30	30.51	1.70	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.17	--	Satisfactory
10	9.94	-0.6	Satisfactory
20	19.68	-1.6	Satisfactory
100	103.22	3.2	Satisfactory
800	795.17	-0.6	Satisfactory

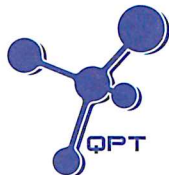
Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

^(f) "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA070116
Date of Issue : 26 July 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 17H105557
Date of Received : Jul 26, 2021
Date of Calibration : Jul 26, 2021
Date of Next Calibration^(a) : Oct 25, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

<u>Parameter</u>	<u>Reference Method</u>
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.05	0.05	Satisfactory
7.42	7.44	0.02	Satisfactory
10.01	10.03	0.02	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature


Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.0	0.0	Satisfactory
25	25.1	0.1	Satisfactory
46	46.1	0.1	Satisfactory

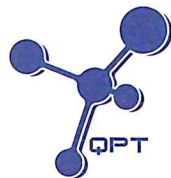
Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

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^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.


LEE Chun-ning
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA070116
Date of Issue : 26 July 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.65	0.49	-0.16	Satisfactory
3.69	3.91	0.22	Satisfactory
5.42	5.66	0.24	Satisfactory
7.47	7.45	-0.02	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S/cm}$)	Displayed Reading ($\mu\text{S/cm}$)	Tolerance (%)	Results
0.001	146.9	147.6	0.48	Satisfactory
0.01	1412	1431	1.35	Satisfactory
0.1	12890	12793	-0.75	Satisfactory
0.5	58670	58344	-0.56	Satisfactory
1.0	111900	112308	0.36	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	10.08	0.80	Satisfactory
20	20.21	1.05	Satisfactory
30	30.55	1.83	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.18	--	Satisfactory
10	10.13	1.3	Satisfactory
20	19.72	-1.4	Satisfactory
100	104.84	4.8	Satisfactory
800	793.10	-0.9	Satisfactory

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

^(f) "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.

^(g) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: THOMAS WONG
CLIENT: ENOVATIVE ENVIRONMENTAL SERVICE LTD
ADDRESS: FLAT 2207, YU FUN HSE,
YU CHUI COURT,
SHATIN, N.T. HONG KONG

WORK ORDER: HK2120735
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 21-May-2021
DATE OF ISSUE: 28-May-2021

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type: Chlorine Meter
Service Nature: Performance Check
Scope: Total Residual Chlorine
Brand Name/ Model No.: [HANNA]/ [HI761]
Serial No./ Equipment No.: [04470025101]/ [N/A]
Date of Calibration: 27-May-2021

GENERAL COMMENTS

This is the Final Report and supersedes any preliminary report with this batch number.

Mr Chan Siu Ming, Vico
Manager - Inorganic

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2120735
SUB-BATCH: 0
DATE OF ISSUE: 28-May-2021
CLIENT: ENOVATIVE ENVIRONMENTAL SERVICE LTD

Equipment Type: Chlorine Meter
Brand Name/ Model No.: [HANNA]/ [HI761]
Serial No./ Equipment No.: [04470025101]/ [N/A]
Date of Calibration: 27-May-2021

PARAMETERS:

Total Residual Chlorine Method Ref: In house Measurement

Solution Used	Expected Reading (ppb)	Displayed Reading (ppb)
Milli Q Water	0	0
Sea Water	0	0
200	200 ± 20	200

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

A handwritten signature in black ink, appearing to read 'Chan Siu Ming'.

Mr Chan Siu Ming, Vico
Manager - Inorganic



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: THOMAS WONG
CLIENT: ENOVATIVE ENVIRONMENTAL SERVICE LTD
ADDRESS: FLAT 2207, YU FUN HSE, YU CHUI COURT,
SHATIN, N.T. HONG KONG

WORK ORDER: HK2134482
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 24-Aug-2021
DATE OF ISSUE: 25-Aug-2021

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source. The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards. The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type: Chlorine Meter
Service Nature: Performance Check
Scope: Total Residual Chlorine
Brand Name/ Model No.: [HANNA]/ [HI761]
Serial No./ Equipment No.: [04470021101]/ [N/A]
Date of Calibration: 25-August-2021

GENERAL COMMENTS

This is the Final Report and supersedes any preliminary report with this batch number.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganic

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2134482
SUB-BATCH: 0
DATE OF ISSUE: 25-Aug-2021
CLIENT: ENOVATIVE ENVIRONMENTAL SERVICE LTD

Equipment Type: Chlorine Meter
Brand Name/ Model No.: [HANNA]/ [HI761]
Serial No./ Equipment No.: [04470021101]/ [N/A]
Date of Calibration: 25-August-2021

PARAMETERS:

Total Residual Chlorine Method Ref: In house Measurement

Solution Used	Expected Reading (ppb)	Displayed Reading (ppb)
Milli Q Water	0	0
Sea Water	0	0
200	200 ± 20	194

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

A handwritten signature in blue ink, appearing to read 'Iris'.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganic



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QUALITY PRO TEST-CONSULT LIMITED

Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA080092
Date of Issue : 27 August 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 16H104233
Date of Received : Aug 27, 2021
Date of Calibration : Aug 27, 2021
Date of Next Calibration^(a) : Nov 26, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,e)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.02	0.02	Satisfactory
7.42	7.44	0.02	Satisfactory
10.01	9.96	-0.05	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature


Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.0	0.0	Satisfactory
20	20.0	0.0	Satisfactory
45	44.9	-0.1	Satisfactory

Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
^(b) The results relate only to the calibrated equipment as received
^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards..


LEE Chun-ning
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA080092
Date of Issue : 27 August 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.20	0.30	0.10	Satisfactory
2.19	2.27	0.08	Satisfactory
4.99	5.00	0.01	Satisfactory
7.49	7.58	0.09	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S/cm}$)	Displayed Reading ($\mu\text{S/cm}$)	Tolerance (%)	Results
0.001	146.9	137.4	-6.47	Satisfactory
0.01	1412	1336.6	-5.34	Satisfactory
0.1	12890	12567.3	-2.50	Satisfactory
0.5	58670	57933.2	-1.26	Satisfactory
1.0	111900	110783	-1.00	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.94	-0.60	Satisfactory
20	20.11	0.55	Satisfactory
30	30.18	0.60	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.10	--	Satisfactory
10	9.93	-0.7	Satisfactory
20	20.06	0.3	Satisfactory
100	106.42	6.4	Satisfactory
800	797.21	-0.3	Satisfactory

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

^(f) "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.

^(g) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA080093
Date of Issue : 27 August 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 16H104234
Date of Received : Aug 27, 2021
Date of Calibration : Aug 27, 2021
Date of Next Calibration^(a) : Nov 26, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

<u>Parameter</u>	<u>Reference Method</u>
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.01	0.01	Satisfactory
7.42	7.45	0.03	Satisfactory
10.01	9.98	-0.03	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature


Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.0	0.0	Satisfactory
20	20.0	0.0	Satisfactory
45	44.9	-0.1	Satisfactory

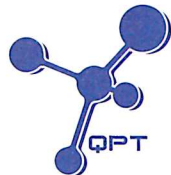
Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
^(b) The results relate only to the calibrated equipment as received
^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards..


LEE Chun-ning
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA080093
Date of Issue : 27 August 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.20	0.28	0.08	Satisfactory
2.19	2.30	0.11	Satisfactory
4.99	4.99	0.00	Satisfactory
7.49	7.53	0.04	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)	Results
0.001	146.9	138.4	-5.79	Satisfactory
0.01	1412	1339.3	-5.15	Satisfactory
0.1	12890	12663.2	-1.76	Satisfactory
0.5	58670	57882.1	-1.34	Satisfactory
1.0	111900	110653.4	-1.11	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.93	-0.70	Satisfactory
20	19.89	-0.55	Satisfactory
30	30.20	0.67	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.10	--	Satisfactory
10	9.90	-1.0	Satisfactory
20	19.88	-0.6	Satisfactory
100	107.31	7.3	Satisfactory
800	796.34	-0.5	Satisfactory

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA100044
Date of Issue : 22 October 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 15M100005
Date of Received : Oct 22, 2021
Date of Calibration : Oct 22, 2021
Date of Next Calibration^(a) : Jan 21, 2022

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

<u>Parameter</u>	<u>Reference Method</u>
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.09	0.09	Satisfactory
7.42	7.46	0.04	Satisfactory
10.01	10.11	0.10	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.0	0.0	Satisfactory
24	23.8	-0.2	Satisfactory
45	44.9	-0.1	Satisfactory

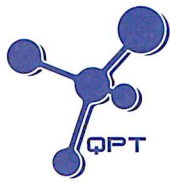
Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.
^(b) The results relate only to the calibrated equipment as received
^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.


LEE Chun-ning
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA100044
Date of Issue : 22 October 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.12	0.11	-0.01	Satisfactory
1.77	1.84	0.07	Satisfactory
5.01	5.17	0.16	Satisfactory
8.19	8.19	0.00	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)	Results
0.001	146.9	153.2	4.29	Satisfactory
0.01	1412	1371	-2.90	Satisfactory
0.1	12890	12409	-3.73	Satisfactory
0.5	58670	57941	-1.24	Satisfactory
1.0	111900	111932	0.03	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.90	-1.00	Satisfactory
20	19.93	-0.35	Satisfactory
30	30.14	0.47	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.10	--	Satisfactory
10	9.91	-0.9	Satisfactory
20	19.88	-0.6	Satisfactory
100	97.73	-2.3	Satisfactory
800	796.64	-0.4	Satisfactory

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

^(f) "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.

^(g) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: THOMAS WONG
CLIENT: ENOVATIVE ENVIRONMENTAL SERVICE LTD
ADDRESS: FLAT 2207, YU FUN HSE,
YU CHUI COURT,
SHATIN , N.T. HONG KONG

WORK ORDER: HK2147532
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 18-Nov-2021
DATE OF ISSUE: 25-Nov-2021

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source. The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards. The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type: Chlorine Meter
Service Nature: Performance Check
Scope: Total Residual Chlorine
Brand Name/ Model No.: [HANNA]/ [HI 761]
Serial No./ Equipment No.: [04470021101]/ [N/A]
Date of Calibration: 24-November-2021

GENERAL COMMENTS

This is the Final Report and supersedes any preliminary report with this batch number.

Mr Chan Siu Ming, Vico
Manager - Inorganics

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2147532
SUB-BATCH: 0
DATE OF ISSUE: 25-Nov-2021
CLIENT: ENOVATIVE ENVIRONMENTAL SERVICE LTD

Equipment Type: Chlorine Meter
Brand Name/
Model No.: [HANNA]/ [HI 761]
Serial No./
Equipment No.: [04470021101]/ [N/A]
Date of Calibration: 24-November-2021

PARAMETERS:

Total Residual Chlorine Method Ref: In house Measurement

Solution Used	Expected Reading (ppb)	Displayed Reading (ppb)
Milli Q Water	0	0
Sea Water	0	0
200	200 ± 20	180

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

A handwritten signature in black ink, appearing to read 'Chan Siu Ming'.

Mr Chan Siu Ming, Vico
Manager - Inorganics



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : R-BA110050
Date of Issue : 29 November 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 16H104233
Date of Received : Nov 26, 2021
Date of Calibration : Nov 26, 2021
Date of Next Calibration^(a) : Feb 25, 2022

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510 B
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.09	0.09	Satisfactory
7.42	7.48	0.06	Satisfactory
10.01	10.06	0.05	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature


Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.0	0.0	Satisfactory
24	21.9	-0.1	Satisfactory
45	45.0	0.0	Satisfactory

Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.
^(b) The results relate only to the calibrated equipment as received
^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards..


LEE Chun-ning
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : R-BA110050
Date of Issue : 29 November 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
8.40	8.60	0.20	Satisfactory
5.34	5.22	-0.12	Satisfactory
2.63	2.47	-0.16	Satisfactory
0.16	0.35	0.19	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S/cm}$)	Displayed Reading ($\mu\text{S/cm}$)	Tolerance (%)	Results
0.001	146.9	151.0	2.79	Satisfactory
0.01	1412	1309	-7.29	Satisfactory
0.1	12890	12758	-1.02	Satisfactory
0.5	58670	59133	0.79	Satisfactory
1.0	111900	112965	0.95	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.95	-0.50	Satisfactory
20	19.93	-0.35	Satisfactory
30	29.88	-0.40	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.05	--	Satisfactory
10	9.83	-1.7	Satisfactory
20	19.84	-0.8	Satisfactory
100	97.8	-2.2	Satisfactory
800	796.2	-0.5	Satisfactory

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s) :-

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^(g) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : R-BA110051
Date of Issue : 29 November 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House,
Yu Chui Court, Shatin
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 16H104234
Date of Received : Nov 26, 2021
Date of Calibration : Nov 26, 2021
Date of Next Calibration^(a) : Feb 25, 2022

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter	Reference Method
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Conductivity at 25°C	APHA 21e 2510B
Salinity	APHA 21e 2520B
Turbidity	APHA 21e 2130B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.08	0.08	Satisfactory
7.42	7.46	0.04	Satisfactory
10.01	10.10	0.09	Satisfactory

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature


Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.0	0.0	Satisfactory
24	21.9	-0.1	Satisfactory
45	45.0	0.0	Satisfactory

Tolerance limit of temperature should be less than ± 2.0 (°C)

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Remark(s): -

- ^(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
^(b) The results relate only to the calibrated equipment as received
^(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
^(d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
^(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards..


LEE Chun-ning
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : R-BA110051
Date of Issue : 29 November 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
8.40	8.58	0.18	Satisfactory
5.34	5.16	-0.18	Satisfactory
2.63	2.50	-0.13	Satisfactory
0.16	0.51	0.35	Satisfactory

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)	Results
0.001	146.9	152.0	3.47	Satisfactory
0.01	1412	1326	-6.09	Satisfactory
0.1	12890	12793	-0.75	Satisfactory
0.5	58670	59086	0.71	Satisfactory
1.0	111900	112741	0.75	Satisfactory

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	10.08	0.80	Satisfactory
20	20.17	0.85	Satisfactory
30	30.21	0.70	Satisfactory

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.05	--	Satisfactory
10	9.88	-1.2	Satisfactory
20	20.09	0.4	Satisfactory
100	98.8	-1.2	Satisfactory
800	812.3	1.5	Satisfactory

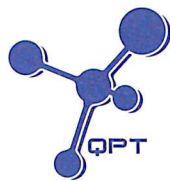
Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

^(f) "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.

^(g) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BA120147
Date of Issue : 30 December 2021
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong
Attn :

PART B - SAMPLE INFORMATION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 17E100747
Date of Received : 24 December 2021
Date of Calibration : 24 December 2021
Date of Next Calibration : 23 March 2022

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
Turbidity	APHA 21e 2130B
Conductivity	APHA 21e 2510B
Dissolved oxygen	APHA 21e 4500 O
pH value	APHA 21e 4500 H+
Salinity	APHA 21e 2520B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure

PART D - CALIBRATION RESULT

(1) Turbidity

EXPECTED READING (NTU)	DISPLAY READING (NTU)	TOLERANCE (%)	RESULT
0	0.10	--	Satisfactory
10	9.88	-1.2	Satisfactory
20	19.79	-1.1	Satisfactory
100	100.26	0.3	Satisfactory
800	808.37	1.0	Satisfactory

Tolerance of Turbidity should be less than ± 10.0 (%)

(2) Conductivity

EXPECTED READING (MS/CM AT 25°C)	DISPLAY READING (MS/CM AT 25°C)	TOLERANCE (%)	RESULT
146.9	151.2	2.92	Satisfactory
1412	1348	-4.53	Satisfactory
12890	12591	-2.32	Satisfactory
58670	57734	-1.60	Satisfactory
111900	111592	-0.28	Satisfactory

Tolerance of Conductivity should be less than ± 10.0 (%)

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED
SIGNATORY:

LEE Chun-ning
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BA120147

Date of Issue : 30 December 2021

Page No. : 2 of 2

(3) Dissolved oxygen

EXPECTED READING (MG/L)	DISPLAY READING (MG/L)	TOLERANCE (MG/L)	RESULT
7.65	7.76	0.11	Satisfactory
6.09	6.17	0.08	Satisfactory
3.20	3.28	0.08	Satisfactory
0.78	0.56	-0.22	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(4) pH value

TARGET (PH UNIT)	DISPLAY READING (PH UNIT)	TOLERANCE	RESULT
4.00	4.04	0.04	Satisfactory
7.42	7.46	0.04	Satisfactory
10.01	10.13	0.12	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(5) Salinity

EXPECTED READING (G/L)	DISPLAY READING (G/L)	TOLERANCE (%)	RESULT
10	9.93	-0.70	Satisfactory
20	19.89	-0.55	Satisfactory
30	30.20	0.67	Satisfactory

Tolerance of Salinity should be less than ± 0.0 (%)

(6) Temperature

READING OF REF. THERMOMETER (°C)	DISPLAY READING (°C)	TOLERANCE (°C)	RESULT
10	9.9	-0.1	Satisfactory
20	20.0	0.0	Satisfactory
40	40.0	0.0	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

Remark(s)

- The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
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--- END OF REPORT ---



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BA120148
Date of Issue : 30 December 2021
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong
Attn :

PART B - SAMPLE INFORMATION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 21G105356
Date of Received : 24 December 2021
Date of Calibration : 24 December 2021
Date of Next Calibration : 23 March 2022

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

<u>Test Parameter</u>	<u>Reference Method</u>
Turbidity	APHA 21e 2130B
Conductivity	APHA 21e 2510B
Dissolved oxygen	APHA 21e 4500 O
pH value	APHA 21e 4500 H+
Salinity	APHA 21e 2520B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure

PART D - CALIBRATION RESULT

(1) Turbidity

EXPECTED READING (NTU)	DISPLAY READING (NTU)	TOLERANCE (%)	RESULT
0	0.10	--	Satisfactory
10	9.81	-1.9	Satisfactory
20	19.82	-0.9	Satisfactory
100	100.22	0.2	Satisfactory
800	810.23	1.3	Satisfactory

Tolerance of Turbidity should be less than ± 10.0 (%)

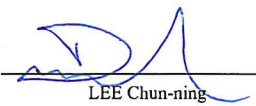
(2) Conductivity

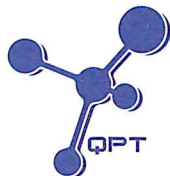
EXPECTED READING (MS/CM AT 25°C)	DISPLAY READING (MS/CM AT 25°C)	TOLERANCE (%)	RESULT
146.9	150.3	2.31	Satisfactory
1412	1369	-3.05	Satisfactory
12890	12488	-3.12	Satisfactory
58670	57746	-1.57	Satisfactory
111900	111426	-0.42	Satisfactory

Tolerance of Conductivity should be less than ± 10.0 (%)

--- CONTINUED ON NEXT PAGE ---

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BA120148

Date of Issue : 30 December 2021

Page No. : 2 of 2

(3) Dissolved oxygen

EXPECTED READING (MG/L)	DISPLAY READING (MG/L)	TOLERANCE (MG/L)	RESULT
7.65	7.80	0.15	Satisfactory
6.09	6.20	0.11	Satisfactory
3.20	3.33	0.13	Satisfactory
0.78	0.56	-0.22	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(4) pH value

TARGET (PH UNIT)	DISPLAY READING (PH UNIT)	TOLERANCE	RESULT
4.00	4.03	0.03	Satisfactory
7.42	7.45	0.03	Satisfactory
10.01	10.11	0.10	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(5) Salinity

EXPECTED READING (G/L)	DISPLAY READING (G/L)	TOLERANCE (%)	RESULT
10	9.93	-0.70	Satisfactory
20	19.88	-0.60	Satisfactory
30	30.19	0.63	Satisfactory

Tolerance of Salinity should be less than ± 0.0 (%)

(6) Temperature

READING OF REF. THERMOMETER (°C)	DISPLAY READING (°C)	TOLERANCE (°C)	RESULT
10	9.9	-0.1	Satisfactory
20	20.0	0.0	Satisfactory
40	40.0	0.0	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

Remark(s)

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB030068
Date of Issue : 21 March 2022
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong
Attn :

PART B - SAMPLE INFORMATION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : S/N: 16H104233
Date of Received : 18 March 2022
Date of Calibration : 18 March 2022
Date of Next Calibration : 17 June 2022

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

<u>Test Parameter</u>	<u>Reference Method</u>
Turbidity	APHA 21e 2130B
Conductivity	APHA 21e 2510B
Dissolved oxygen	APHA 21e 4500 O
pH value	APHA 21e 4500 H+
Salinity	APHA 21e 2520B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure

PART D - CALIBRATION RESULT

(1) Turbidity

EXPECTED READING (NTU)	DISPLAY READING (NTU)	TOLERANCE (%)	RESULT
0	0.05	--	Satisfactory
10	10.09	0.9	Satisfactory
20	19.68	-1.6	Satisfactory
100	104.79	4.79	Satisfactory
800	793.41	-0.82	Satisfactory

Tolerance of Turbidity should be less than ± 10.0 (%)

(2) Conductivity

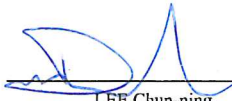
EXPECTED READING (MS/CM AT 25°C)	DISPLAY READING	TOLERANCE (%)	RESULT
146.9	149.71	1.91	Satisfactory
1412	1471	4.18	Satisfactory
12890	12690	-1.55	Satisfactory
58670	57736	-1.59	Satisfactory
111900	110653	-1.11	Satisfactory

Tolerance of Conductivity should be less than ± 10.0 (%)

(3) Dissolved oxygen

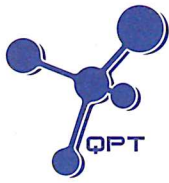
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB030068
Date of Issue : 21 March 2022
Page No. : 2 of 2

EXPECTED READING (MG/L)	DISPLAY READING (MG/L)	TOLERANCE (MG/L)	RESULT
8.08	8.23	0.15	Satisfactory
4.8	4.92	0.12	Satisfactory
1.8	1.81	0.01	Satisfactory
0.08	0.33	0.25	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(4) pH value

TARGET (PH UNIT)	DISPLAY READING (PH UNIT)	TOLERANCE	RESULT
4.00	4.09	0.09	Satisfactory
7.42	7.49	0.07	Satisfactory
10.01	9.87	-0.14	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(5) Salinity

EXPECTED READING (G/L)	DISPLAY READING (G/L)	TOLERANCE (%)	RESULT
10	9.9	-1.00	Satisfactory
20	19.83	-0.85	Satisfactory
30	30.33	1.10	Satisfactory

Tolerance of Salinity should be less than ± 10.0 (%)

(6) Temperature

READING OF REF. THERMOMETER (°C)	DISPLAY READING (°C)	TOLERANCE (°C)	RESULT
10	10	0	Satisfactory
20	20	0	Satisfactory
48	48	0	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

Remark(s)

- The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
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--- END OF REPORT ---



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB030069
Date of Issue : 21 March 2022
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong
Attn :

PART B - SAMPLE INFORMATION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : S/N: 16H104234
Date of Received : 18 March 2022
Date of Calibration : 18 March 2022
Date of Next Calibration : 17 June 2022

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
Turbidity	APHA 21e 2130B
Conductivity	APHA 21e 2510B
Dissolved oxygen	APHA 21e 4500 O
pH value	APHA 21e 4500 H+
Salinity	APHA 21e 2520B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure

PART D - CALIBRATION RESULT

(1) Turbidity

EXPECTED READING (NTU)	DISPLAY READING (NTU)	TOLERANCE (%)	RESULT
0	0.05	--	Satisfactory
10	10.20	2.0	Satisfactory
20	19.77	-1.2	Satisfactory
100	104.21	4.2	Satisfactory
800	792.60	-0.9	Satisfactory

Tolerance of Turbidity should be less than ± 10.0 (%)

(2) Conductivity

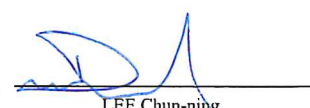
EXPECTED READING (MS/CM AT 25°C)	DISPLAY READING	TOLERANCE (%)	RESULT
146.9	152.1	3.54	Satisfactory
1412	1472	4.25	Satisfactory
12890	12618	-2.11	Satisfactory
58670	57412	-2.14	Satisfactory
111900	110616	-1.15	Satisfactory

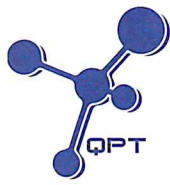
Tolerance of Conductivity should be less than ± 10.0 (%)

(3) Dissolved oxygen

--- CONTINUED ON NEXT PAGE ---

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB030069

Date of Issue : 21 March 2022

Page No. : 2 of 2

EXPECTED READING (MG/L)	DISPLAY READING (MG/L)	TOLERANCE (MG/L)	RESULT
8.08	8.25	0.17	Satisfactory
4.8	5.00	0.20	Satisfactory
1.8	1.74	-0.06	Satisfactory
0.08	0.5	0.42	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(4) pH value

TARGET (PH UNIT)	DISPLAY READING (PH UNIT)	TOLERANCE	RESULT
4.00	4.08	0.08	Satisfactory
7.42	7.47	0.05	Satisfactory
10.01	9.90	-0.11	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(5) Salinity

EXPECTED READING (G/L)	DISPLAY READING (G/L)	TOLERANCE (%)	RESULT
10	9.93	-0.70	Satisfactory
20	19.81	-0.95	Satisfactory
30	30.12	0.40	Satisfactory

Tolerance of Salinity should be less than ± 10.0 (%)

(6) Temperature

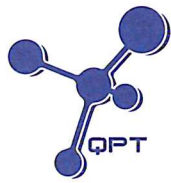
READING OF REF. THERMOMETER (°C)	DISPLAY READING (°C)	TOLERANCE (°C)	RESULT
10	10	0	Satisfactory
20	20	0	Satisfactory
48	48	0	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

Remark(s)

- The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.
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--- END OF REPORT ---



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB040015
Date of Issue : 08 April 2022
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong
Attn :

PART B - SAMPLE INFORMATION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : S/N: 17E100747
Date of Received : 08 April 2022
Date of Calibration : 08 April 2022
Date of Next Calibration : 07 July 2022

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
Turbidity	APHA 21e 2130B
Dissolved oxygen	APHA 21e 4500 O
pH value	APHA 21e 4500 H+
Salinity	APHA 21e 2520B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure
Conductivity	APHA 21e 2510B

PART D - CALIBRATION RESULT

(1) Turbidity

EXPECTED READING (NTU)	DISPLAY READING (NTU)	TOLERANCE (%)	RESULT
0	0.05	--	Satisfactory
10	9.94	-0.6	Satisfactory
20	19.9	-0.5	Satisfactory
100	97.96	-2.0	Satisfactory
800	797.37	-0.3	Satisfactory

Tolerance of Turbidity should be less than ± 10.0 (%)

(2) Dissolved oxygen

EXPECTED READING (MG/L)	DISPLAY READING (MG/L)	TOLERANCE (MG/L)	RESULT
8.23	8.39	0.16	Satisfactory
5.61	5.79	0.18	Satisfactory
4.20	4.36	0.16	Satisfactory
0.15	0.40	0.25	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

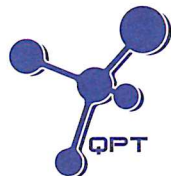
(3) pH value

TARGET (PH UNIT)	DISPLAY READING (PH UNIT)	TOLERANCE	RESULT
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB040015
Date of Issue : 08 April 2022
Page No. : 2 of 2

TARGET (PH UNIT)	DISPLAY READING (PH UNIT)	TOLERANCE	RESULT
4.00	4.06	0.06	Satisfactory
7.42	7.47	0.05	Satisfactory
10.01	10.18	0.17	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(4) Salinity

EXPECTED READING (G/L)	DISPLAY READING (G/L)	TOLERANCE (%)	RESULT
10	10.24	2.40	Satisfactory
20	20.37	1.85	Satisfactory
30	30.18	0.60	Satisfactory

Tolerance of Salinity should be less than ± 10.0 (%)

(5) Temperature

READING OF REF. THERMOMETER (°C)	DISPLAY READING (°C)	TOLERANCE (°C)	RESULT
10	10.0	0.0	Satisfactory
20	19.9	-0.1	Satisfactory
48	48.0	0.0	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

(6) Conductivity

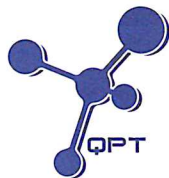
EXPECTED READING (MS/CM AT 25°C)	DISPLAY READING	TOLERANCE (%)	RESULT
146.9	151.3	3.00	Satisfactory
1412	1380	-2.27	Satisfactory
12890	12258	-4.90	Satisfactory
58670	58105	-0.96	Satisfactory
111900	112267	0.33	Satisfactory

Tolerance of Conductivity should be less than ± 10.0 (%)

Remark(s)

- The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
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- The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

--- END OF REPORT ---



專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED

Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB040014
Date of Issue : 08 April 2022
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong
Attn :

PART B - SAMPLE INFORMATION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : S/N: 21G105356
Date of Received : 08 April 2022
Date of Calibration : 08 April 2022
Date of Next Calibration : 07 July 2022

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
Turbidity	APHA 21e 2130B
Dissolved oxygen	APHA 21e 4500 O
pH value	APHA 21e 4500 H+
Salinity	APHA 21e 2520B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure
Conductivity	APHA 21e 2510B

PART D - CALIBRATION RESULT

(1) Turbidity

EXPECTED READING (NTU)	DISPLAY READING (NTU)	TOLERANCE (%)	RESULT
0	0.06	--	Satisfactory
10	9.95	-0.5	Satisfactory
20	19.88	-0.6	Satisfactory
100	98.27	-1.7	Satisfactory
800	796.82	-0.4	Satisfactory

Tolerance of Turbidity should be less than ± 10.0 (%)

(2) Dissolved oxygen

EXPECTED READING (MG/L)	DISPLAY READING (MG/L)	TOLERANCE (MG/L)	RESULT
8.23	8.40	0.17	Satisfactory
5.61	5.74	0.13	Satisfactory
4.20	4.42	0.22	Satisfactory
0.15	0.33	0.18	Satisfactory


Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(3) pH value

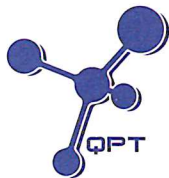
TARGET (PH UNIT)	DISPLAY READING (PH UNIT)	TOLERANCE	RESULT
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AUTHORIZED
SIGNATORY:


LEE Chun-ning

Assistant Manager (Chemical Testing)



專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED

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TARGET (PH UNIT)	DISPLAY READING (PH UNIT)	TOLERANCE	RESULT
4.00	4.03	0.03	Satisfactory
7.42	7.45	0.03	Satisfactory
10.01	10.11	0.10	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(4) Salinity

EXPECTED READING (G/L)	DISPLAY READING (G/L)	TOLERANCE (%)	RESULT
10	10.08	0.80	Satisfactory
20	20.24	1.20	Satisfactory
30	30.16	0.53	Satisfactory

Tolerance of Salinity should be less than ± 10.0 (%)

(5) Temperature

READING OF REF. THERMOMETER (°C)	DISPLAY READING (°C)	TOLERANCE (°C)	RESULT
10	10.0	0.0	Satisfactory
20	19.9	-0.1	Satisfactory
48	48.0	0.0	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

(6) Conductivity

EXPECTED READING (MS/CM AT 25°C)	DISPLAY READING	TOLERANCE (%)	RESULT
146.9	150.9	2.72	Satisfactory
1412	1374	-2.69	Satisfactory
12890	12254	-4.93	Satisfactory
58670	58236	-0.74	Satisfactory
111900	112346	0.40	Satisfactory

Tolerance of Conductivity should be less than ± 10.0 (%)

Remark(s)

- The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
- The results relate only to the calibrated equipment as received
- The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
- "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
- The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

--- END OF REPORT ---



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: THOMAS WONG
CLIENT: ENOVATIVE ENVIRONMENTAL SERVICE LTD
ADDRESS: FLAT 2207, YU FUN HSE,
YU CHUI COURT,
SHATIN, N.T. HONG KONG

WORK ORDER: HK2211355
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 08-Mar-2022
DATE OF ISSUE: 14-Mar-2022

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client. The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source. The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards. The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type: Chlorine Meter
Service Nature: Performance Check
Scope: Total Residual Chlorine
Brand Name/ Model No.: [HANNA]/ [HI 761]
Serial No./ Equipment No.: [04470021101]/ [N/A]
Date of Calibration: 09-March-2022

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Mr Chan Siu Ming, Vico
Manager - Inorganics

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2212355
SUB-BATCH: 0
DATE OF ISSUE: 14-Mar-2022
CLIENT: ENOVATIVE ENVIRONMENTAL SERVICE LTD

Equipment Type: Chlorine Meter
Brand Name/ Model No.: [HANNA]/ [HI 761]
Serial No./ Equipment No.: [04470021101]/ [N/A]
Date of Calibration: 09-March-2022

PARAMETERS:

Total Residual Chlorine Method Ref: In house Measurement

Solution Used	Expected Reading (ppb)	Displayed Reading (ppb)
Milli Q Water	0	0
Sea Water	0	0
200	200 ± 20	201

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

A handwritten signature in black ink, appearing to read 'Chan Siu Ming'.

Mr Chan Siu Ming, Vico
Manager - Inorganics

APPENDIX B MONITORING SCHEDULE

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (June 2021)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1/Jun	2/Jun	3/Jun	4/Jun	5/Jun
			Operation Monitoring mid-ebb tide 10:12 mid-flood tide 17:06			
6/Jun	7/Jun	8/Jun	9/Jun	10/Jun	11/Jun	12/Jun
		Operation Monitoring mid-ebb tide 10:20 mid-flood tide 16:56				
13/Jun	14/Jun	15/Jun	16/Jun	17/Jun	18/Jun	19/Jun
		Operation Monitoring mid-ebb tide 14:28 mid-flood tide 7:05				
20/Jun	21/Jun	22/Jun	23/Jun	24/Jun	25/Jun	26/Jun
		Operation Monitoring mid-ebb tide 9:11 mid-flood tide 16:02				
27/Jun	28/Jun	29/Jun	30/Jun			
		Operation Monitoring mid-ebb tide 14:45 mid-flood tide 7:40				

Tide based on Chek Lap Kok Tide Station

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (July 2021)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1/Jul	2/Jul	3/Jul
4/Jul	5/Jul	6/Jul	7/Jul	8/Jul	9/Jul	10/Jul
			Operation Monitoring mid-ebb tide 9:54 mid-flood tide 16:56			
11/Jul	12/Jul	13/Jul	14/Jul	15/Jul	16/Jul	17/Jul
			Operation Monitoring mid-ebb tide 14:13 mid-flood tide 7:10			
18/Jul	19/Jul	20/Jul	21/Jul	22/Jul	23/Jul	24/Jul
			Operation Monitoring mid-ebb tide 8:55 mid-flood tide 16:20			
25/Jul	26/Jul	27/Jul	28/Jul	29/Jul	30/Jul	31/Jul
			Operation Monitoring mid-ebb tide 14:16 mid-flood tide 7:30			

Tide based on Chek Lap Kok Tide Station

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (August 2021)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1/Aug	2/Aug	3/Aug	4/Aug	5/Aug	6/Aug	7/Aug
					Operation Monitoring mid-ebb tide 10:05 mid-flood tide 17:24	
8/Aug	9/Aug	10/Aug	11/Aug	12/Aug	13/Aug	14/Aug
			Operation Monitoring mid-ebb tide 13:14 mid-flood tide 6:25			
15/Aug	16/Aug	17/Aug	18/Aug	19/Aug	20/Aug	21/Aug
			Operation Monitoring mid-ebb tide 7:38 mid-flood tide 15:31			
22/Aug	23/Aug	24/Aug	25/Aug	26/Aug	27/Aug	28/Aug
			Operation Monitoring mid-ebb tide 13:09 mid-flood tide 6:35			
29/Aug	30/Aug	31/Aug				

Tide based on Chek Lap Kok Tide Station

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (September 2021)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1-Sep	2-Sep	3-Sep	4-Sep
				Operation Monitoring mid-ebb tide 7:57 mid-flood tide 20:30		
5-Sep	6-Sep	7-Sep	8-Sep	9-Sep	10-Sep	11-Sep
				Operation Monitoring mid-ebb tide 12:49 mid-flood tide 6:23		
12-Sep	13-Sep	14-Sep	15-Sep	16-Sep	17-Sep	18-Sep
				Operation Monitoring mid-ebb tide 7:23 mid-flood tide 15:34		
19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep
				Operation Monitoring mid-ebb tide 12:35 mid-flood tide 6:26		
26-Sep	27-Sep	28-Sep	29-Sep	30-Sep		
				Operation Monitoring mid-ebb tide 5:30 mid-flood tide 18:31		

Tide based on Chek Lap Kok Tide Station

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (October 2021)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Oct	2-Oct
3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	8-Oct	9-Oct
			Operation Monitoring mid-ebb tide 11:08 mid-flood tide 4:45			
10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	16-Oct
						Operation Monitoring mid-ebb tide 8:15 mid-flood tide 15:42
17-Oct	18-Oct	19-Oct	20-Oct	21-Oct	22-Oct	23-Oct
			Operation Monitoring mid-ebb tide 11:03 mid-flood tide 4:57			
24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct
			Operation Monitoring mid-ebb tide 2:38 mid-flood tide 14:55			
31-Oct						

Tide based on Chek Lap Kok Tide Station

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (November 2021)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1-Nov	2-Nov	3-Nov	4-Nov	5-Nov	6-Nov
			Operation Monitoring mid-ebb tide 9:56 mid-flood tide 16:07			
7-Nov	8-Nov	9-Nov	10-Nov	11-Nov	12-Nov	13-Nov
			Operation Monitoring mid-ebb tide 2:48 mid-flood tide 15:14			
14-Nov	15-Nov	16-Nov	17-Nov	18-Nov	19-Nov	20-Nov
			Operation Monitoring mid-ebb tide 9:58 mid-flood tide 16:03			
21-Nov	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov
			Operation Monitoring mid-ebb tide 1:36 mid-flood tide 9:15			
28-Nov	29-Nov	30-Nov				

Tide based on Chek Lap Kok Tide Station

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (December 2021)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1-Dec	2-Dec	3-Dec	4-Dec
			Operation Monitoring mid-ebb tide 8:34 mid-flood tide 14:47			
5-Dec	6-Dec	7-Dec	8-Dec	9-Dec	10-Dec	11-Dec
			Operation Monitoring mid-ebb tide 1:45 mid-flood tide 9:27			
12-Dec	13-Dec	14-Dec	15-Dec	16-Dec	17-Dec	18-Dec
		Operation Monitoring mid-ebb tide 9:30 mid-flood tide 16:00				
19-Dec	20-Dec	21-Dec	22-Dec	23-Dec	24-Dec	25-Dec
			Operation Monitoring mid-ebb tide 0:49 mid-flood tide 8:13			
26-Dec	27-Dec	28-Dec	29-Dec	30-Dec	31-Dec	
			Operation Monitoring mid-ebb tide 6:46 mid-flood tide 13:14			

Tide based on Chek Lap Kok Tide Station

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (January 2022)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1-Jan
2-Jan	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan	8-Jan
					Operation Monitoring mid-ebb tide 2:19 mid-flood tide 9:45	
9-Jan	10-Jan	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan
		Operation Monitoring mid-ebb tide 5:22 mid-flood tide 12:34				
16-Jan	17-Jan	18-Jan	19-Jan	20-Jan	21-Jan	22-Jan
			Operation Monitoring mid-ebb tide 0:05 mid-flood tide 7:16			
23-Jan	24-Jan	25-Jan	26-Jan	27-Jan	28-Jan	29-Jan
			Operation Monitoring mid-ebb tide 18:03 mid-flood tide 11:19			
30-Jan	31-Jan					

Tide based on Chek Lap Kok Tide Station

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (February 2022)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1-Feb	2-Feb	3-Feb	4-Feb	5-Feb
			Operation Monitoring mid-ebb tide 12:30 mid-flood tide 7:10			
6-Feb	7-Feb	8-Feb	9-Feb	10-Feb	11-Feb	12-Feb
			Operation Monitoring mid-ebb tide 18:16 mid-flood tide 10:34			
13-Feb	14-Feb	15-Feb	16-Feb	17-Feb	18-Feb	19-Feb
					Operation Monitoring mid-ebb tide 12:31 mid-flood tide 7:05	
20-Feb	21-Feb	22-Feb	23-Feb	24-Feb	25-Feb	26-Feb
			Operation Monitoring mid-ebb tide 16:04 mid-flood tide 9:22			
27-Feb	28-Feb					

Tide based on Chek Lap Kok Tide Station

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (March 2022)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1-Mar	2-Mar	3-Mar	4-Mar	5-Mar
			Operation Monitoring mid-ebb tide 11:35 mid-flood tide 6:05			
6-Mar	7-Mar	8-Mar	9-Mar	10-Mar	11-Mar	12-Mar
			Operation Monitoring mid-ebb tide 15:45 mid-flood tide 8:38			
13-Mar	14-Mar	15-Mar	16-Mar	17-Mar	18-Mar	19-Mar
				Operation Monitoring mid-ebb tide 11:05 mid-flood tide 5:32		
20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar	26-Mar
			Operation Monitoring mid-ebb tide 14:44 mid-flood tide 8:02			
27-Mar	28-Mar	29-Mar	30-Mar	31-Mar		
			Operation Monitoring mid-ebb tide 10:41 mid-flood tide 16:02			

Tide based on Chek Lap Kok Tide Station

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (April 2022)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Apr	2-Apr
3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr
			Operation Monitoring mid-ebb tide 14:20 mid-flood tide 7:23			
10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	15-Apr	16-Apr
				Operation Monitoring mid-ebb tide 10:06 mid-flood tide 15:47		
17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	23-Apr
			Operation Monitoring mid-ebb tide 13:43 mid-flood tide 6:55			
24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr
			Operation Monitoring mid-ebb tide 9:42 mid-flood tide 15:03			

Tide based on Chek Lap Kok Tide Station

**Environmental Monitoring Team for One Additional Gas-Fired Generation Unit
Operation Phase Water Quality Monitoring Schedule (May 2022)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1-May	2-May	3-May	4-May	5-May	6-May	7-May
			Operation Monitoring mid-ebb tide 13:20 mid-flood tide 6:20			
8-May	9-May	10-May	11-May	12-May	13-May	14-May
				Operation Monitoring mid-ebb tide 8:57 mid-flood tide 14:32		
15-May	16-May	17-May	18-May	19-May	20-May	21-May
			Operation Monitoring mid-ebb tide 12:46 mid-flood tide 5:51			
22-May	23-May	24-May	25-May	26-May	27-May	28-May
			Operation Monitoring mid-ebb tide 8:27 mid-flood tide 13:47			
29-May	30-May	31-May				
		Operation Monitoring mid-ebb tide 11:45 mid-flood tide 5:15				

Tide based on Chek Lap Kok Tide Station

APPENDIX C MONITORING RESULTS

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH Value	pH Depth-averaged	Salinity ppt Value	Salinity ppt Depth-averaged	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
02-06-21	Mid-Ebb	CEA	Cloudy	Moderate	5.0	Surface	0.2	223	29.0		8.1		14.0		87.9		6.3		4.1		0.005	
02-06-21	Mid-Ebb	CEA	Cloudy	Moderate	5.0	Surface	0.2	236	29.0		8.1		14.0		87.3		6.2		4.1		0.012	
02-06-21	Mid-Ebb	CEA	Cloudy	Moderate	5.0	Middle				28.6		8.0				77.5		6.2		4.9		0.011
02-06-21	Mid-Ebb	CEA	Cloudy	Moderate	5.0	Bottom	0.2	216	28.2		8.0		20.0		67.3		4.7		5.8		0.017	
02-06-21	Mid-Ebb	CEA	Cloudy	Moderate	5.0	Bottom	0.2	222	28.2		8.0		20.0		67.4		4.7		5.8		0.008	
02-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.4	Surface	0.5	184	28.6		8.1		16.9		81.1		5.7		4.7		0.024	
02-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.4	Surface	0.6	193	28.6		8.1		16.9		80.3		5.7		4.7		0.017	
02-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.4	Middle	0.2	162	26.7	27.1	8.1	8.1	28.0	25.3	60.3	66.6	4.1	4.9	4.5	5.8	0.013	0.012
02-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.4	Middle	0.2	174	26.7		8.1		28.0		60.2		4.1		4.5		0.011	
02-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.4	Bottom	0.2	154	25.9		8.1		31.0		58.5		4.0	4.0	8.2		0.003	
02-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.4	Bottom	0.2	168	25.9		8.1		31.0		58.9		4.0	4.0	8.0		0.004	
02-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.6	Surface	0.1	237	29.2		8.1		16.0		81.3		5.7		6.7		0.021	
02-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.6	Surface	0.1	260	29.2		8.1		16.0		81.3		5.7		6.7		0.017	
02-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.6	Middle	0.0	73	28.4	28.4	8.0	8.0	20.2	20.1	64.0	68.2	4.5	5.1	15.8	12.5	0.016	0.012
02-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.6	Middle	0.0	76	28.4		8.0		20.2		63.7		4.4		17.3		0.011	
02-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.6	Bottom	0.0	155	27.7		8.0		24.1		59.4		4.1	4.1	14.3		0.003	
02-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.6	Bottom	0.0	155	27.7		8.0		24.3		59.4		4.1	4.1	14.2		0.005	
02-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Surface	0.0	320	29.0		8.1		16.5		86.2		6.1		5.0		0.021	
02-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Surface	0.0	331	29.0		8.1		16.5		85.7		6.0		5.0		0.017	
02-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Middle	0.0	184	28.3	28.5	8.0	8.0	20.8	19.7	69.2	73.8	4.8	5.4	12.6	9.4	0.011	0.013
02-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Middle	0.0	184	28.3		8.0		20.8		68.7		4.8		12.4		0.012	
02-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Bottom	0.0	101	28.1		8.0		22.0		66.5		4.6	4.6	10.8		0.007	
02-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Bottom	0.0	105	28.1		8.0		22.0		66.6		4.6	4.6	10.9		0.009	
02-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.7	Surface	0.5	121	29.1		8.3		10.3		98.3		7.1		4.4		0.012	
02-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.7	Surface	0.5	123	29.1		8.3		10.3		98.1		7.1		4.5		0.014	
02-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.7	Middle	0.2	131	27.3	27.5	8.1	8.1	25.6	22.2	63.6	72.9	4.4	5.7	4.0	6.5	0.009	0.008
02-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.7	Middle	0.2	137	27.2		8.1		25.7		63.4		4.4		4.0		0.007	
02-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.7	Bottom	0.5	153	26.2		8.1		30.5		57.0		3.9	3.9	10.7		0.002	
02-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.7	Bottom	0.5	153	26.2		8.1		30.6		57.2		3.9	3.9	11.3		0.005	
02-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	5.2	Surface	0.3	253	29.3		8.0		15.2		85.5		6.0		4.5		0.021	
02-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	5.2	Surface	0.3	257	29.3		8.0		15.3		85.2		6.0		4.5		0.015	
02-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	5.2	Middle				28.6		8.0		19.1				6.0		6.3		0.012
02-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	5.2	Middle																
02-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	5.2	Bottom	0.3	226	27.9		8.0		22.9		67.7		4.7		8.1		0.005	
02-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	5.2	Bottom	0.3	240	27.9		8.0		22.9		68.1		4.7		8.0		0.006	
02-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.5	Surface	0.2	29	28.8		8.0		13.1		84.7		6.1		6.2		0.007	
02-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.5	Surface	0.2	30	28.8		8.0		13.1		84.5		6.1		6.2		0.014	
02-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.5	Middle				28.5		7.9				77.8		6.1		6.5		0.017
02-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.5	Middle																
02-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.5	Bottom	0.2	38	28.3		7.9		19.8		70.9		5.0	5.0	6.5		0.028	
02-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.5	Bottom	0.2	38	28.2		7.9		19.9		71.0		5.0	5.0	7.2		0.018	
02-06-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Surface	0.3	335	28.6		8.1		15.5		82.4		5.9		5.3		0.012	
02-06-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Surface	0.3	353	28.6		8.1		15.7		82.5		5.9		5.2		0.032	
02-06-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Middle	0.2	17	27.1	27.3	8.1	8.1	26.4	24.2	62.1	67.2	4.3	5.1	4.8	9.1	0.003	0.014
02-06-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Middle	0.2	18	27.1		8.1		26.4		61.9		4.3		4.8		0.006	
02-06-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Bottom	0.3	323	26.1		8.1		30.7		57.0		3.9	3.9	17.7		0.022	
02-06-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Bottom	0.3	326	26.1		8.1		30.6		57.3		3.9	3.9	16.5		0.011	
02-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.0	Surface	0.3	56	29.0		8.0		15.9		72.3		5.1		7.8		0.022	
02-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.0	Surface	0.3	61	29.0		8.0		15.9		72.4		5.1		7.8		0.015	
02-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.0	Middle	0.3	66	28.3	28.4	7.9	7.9	19.7	19.4	61.5	64.5	4.3	4.7	15.4	14.1	0.018	0.016
02-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.0	Middle	0.3	68	28.2		7.9		19.7		61.0		4.3		16.0		0.014	
02-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.0	Bottom	0.0	280	28.0		7.9		22.6		59.7		4.1	4.1	18.6		0.016	
02-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.0	Bottom	0.0	295	28.0		7.9		22.6		59.8		4.1	4.1	18.8		0.011	
02-06-21	Mid-Flood	SR5A	Cloudy	Moderate	7.0	Surface	0.1	269	28.9		8.0		16.6		79.7		5.6		5.7		0.010	
02-06-21	Mid-Flood	SR5A	Cloudy	Moderate	7.0	Surface	0.1	287	28.9		8.0		16.6		79.2		5.6		6.5		0.008	
02-06-21	Mid-Flood	SR5A	Cloudy	Moderate	7.0	Middle	0.1	258	28.7	28.6	8.0	8.0	18.0	18.7	77.6	77.0	5.4	5.5	8.7	9.3	0.004	0.008
02-06-21	Mid-Flood	SR5A	Cloudy	Moderate	7.0	Middle	0.1	270	28.7		8.0		18.0		77.7		5.4		8.8		0.005	
02-06-21	Mid-Flood	SR5A	Cloudy	Moderate	7.0	Bottom	0.1	22	28.2		8.0		21.6		73.7		5.1	5.1	13.2		0.006	
02-06-21	Mid-Flood	SR5A	Cloudy	Moderate	7.0	Bottom	0.1	23	28.2		8.0		21.5		74.1		5.1	5.1	13.0		0.012	
02-06-21	Mid-Flood	SR7	Cloudy	Moderate	17.7	Surface	0.2	330	28.3		8.0		17.8		71.8		5.1		5.0		0.005	
02-06-21	Mid-Flood	SR7	Cloudy	Moderate	17.7	Surface	0.2	347	28.2</													

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
08-06-21	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Surface	0.3	253	29.9		8.7		18.2		200.7		13.8		22.1		0.012	
08-06-21	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Surface	0.3	255	29.9		8.7		18.2		200.7		13.8		22.1		0.014	
08-06-21	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Middle				28.9	8.4			20.1		148.4			23.9			0.011
08-06-21	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Middle					8.2				96.1		6.7	6.7	25.7		0.008	
08-06-21	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Bottom	0.3	251	28.0		8.2				96.1		6.7	6.7	25.7		0.009	
08-06-21	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Bottom	0.3	248	28.0		8.2				96.1		6.7	6.7	25.7		0.008	
08-06-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Surface	0.9	172	27.8		8.4		20.7		155.0		10.8	8.0	2.3		0.016	
08-06-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Surface	1.0	183	27.8		8.4		20.7		155.0		10.8	8.0	2.3		0.022	
08-06-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Middle	0.9	175	26.7	26.8	8.1		27.5	26.3	99.6		5.2	8.0	14.4	14.3	0.012	0.012
08-06-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Middle	0.9	190	26.7		8.0		27.5		99.6		5.2	8.0	14.4		0.008	
08-06-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Bottom	0.7	169	25.8		7.9		30.6		99.6		4.7	4.7	26.1		0.007	
08-06-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Bottom	0.7	171	25.8		7.9		30.6		99.6		4.7	4.7	26.1		0.009	
08-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.1	Surface	0.1	258	29.9		8.5		19.0		148.5		10.1	7.5	12.7		0.010	
08-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.1	Surface	0.1	277	29.9		8.5		19.0		148.5		10.1	7.5	12.7		0.015	
08-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.1	Middle	0.1	231	28.1	28.3	8.1		22.0	22.5	92.9		4.9	7.5	19.4	17.6	0.009	0.008
08-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.1	Middle	0.1	247	28.1		8.1		22.0		92.9		4.9	7.5	19.4		0.006	
08-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.1	Bottom	0.0	297	26.9		7.9		26.4		92.9		4.0	7.5	20.8		0.005	
08-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.1	Bottom	0.0	312	26.9		7.9		26.4		92.9		4.0	7.5	20.8		0.005	
08-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Surface	0.1	183	28.8		8.3		22.4		127.6		8.7	7.9	18.5		0.014	
08-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Surface	0.1	185	28.8		8.3		22.4		127.6		8.7	7.9	18.5		0.012	
08-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Middle	0.0	139	27.8	28.1	8.2		23.6	23.3	110.5		7.1	7.9	22.2	19.3	0.016	0.012
08-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Middle	0.0	142	27.8		8.2		23.6		110.5		7.1	7.9	22.2		0.018	
08-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Bottom	0.0	166	27.7		8.2		23.9		101.2		7.0	7.0	17.3		0.002	
08-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Bottom	0.0	175	27.7		8.2		23.9		101.2		7.0	7.0	17.3		0.008	
08-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Surface	0.8	155	28.5		8.5		18.5		146.5		10.3	8.0	17.7		0.002	
08-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Surface	0.9	162	28.5		8.5		18.5		146.5		10.3	8.0	17.7		0.006	
08-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Middle	0.5	141	26.9	27.2	8.1		26.2	24.7	98.9		5.4	7.8	20.9	20.1	0.005	0.004
08-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Middle	0.6	149	26.9		8.1		26.2		98.9		5.4	7.8	20.9		0.007	
08-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Bottom	0.5	137	26.1		8.0		29.5		98.9		4.9	7.8	21.8		0.003	
08-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Bottom	0.5	146	26.1		8.0		29.5		98.9		4.9	7.8	21.8		0.002	
08-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Surface	0.2	243	28.7		8.4		21.4		126.4		8.7	8.0	24.5		0.010	
08-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Surface	0.2	259	28.7		8.4		21.4		126.4		8.7	8.0	24.5		0.012	
08-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Middle				28.2	8.2			22.4	110.4					27.1		0.008
08-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Middle					8.1		23.5		110.4		6.5	8.0	29.6		0.004	
08-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Bottom	0.2	239	27.7		8.1		23.5		110.4		6.5	8.0	29.6		0.006	
08-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Bottom	0.2	256	27.7		8.1		23.5		110.4		6.5	8.0	29.6		0.006	
08-06-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Surface	0.4	68	28.5		8.3		20.3		121.2		8.4	8.0	18.2		0.006	
08-06-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Surface	0.4	70	28.5		8.3		20.3		121.4		8.4	8.0	18.3		0.008	
08-06-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Middle				28.3	8.2			21.0	108.4					22.0		0.007
08-06-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Middle					8.1		21.7		108.4		6.6	8.0	25.7		0.007	
08-06-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Bottom	0.3	75	28.1		8.1		21.7		108.4		6.6	8.0	25.7		0.006	
08-06-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Bottom	0.3	74	28.1		8.1		21.7		108.4		6.6	8.0	25.7		0.006	
08-06-21	Mid-Flood	CF	Cloudy	Moderate	15.4	Surface	0.6	183	28.5		8.1		18.3		102.6		7.2	6.0	18.2		0.010	
08-06-21	Mid-Flood	CF	Cloudy	Moderate	15.4	Surface	0.6	191	28.5		8.1		18.3		102.6		7.2	6.0	18.2		0.012	
08-06-21	Mid-Flood	CF	Cloudy	Moderate	15.4	Middle	0.1	155	26.6	27.1	8.0		27.0	24.5	82.4		4.9	6.0	10.2	12.3	0.007	0.007
08-06-21	Mid-Flood	CF	Cloudy	Moderate	15.4	Middle	0.1	165	26.6		8.0		27.0		82.4		4.9	6.0	10.2		0.006	
08-06-21	Mid-Flood	CF	Cloudy	Moderate	15.4	Bottom	0.4	339	26.1		8.0		28.2		82.4		5.1	6.0	8.5		0.006	
08-06-21	Mid-Flood	CF	Cloudy	Moderate	15.4	Bottom	0.4	358	26.1		8.0		28.2		82.4		5.1	6.0	8.5		0.002	
08-06-21	Mid-Flood	SR3A	Cloudy	Moderate	6.1	Surface	0.1	66	29.2		8.3		20.4		130.3		8.9	7.7	19.4		0.016	
08-06-21	Mid-Flood	SR3A	Cloudy	Moderate	6.1	Surface	0.1	72	29.2		8.3		20.4		130.3		8.9	7.7	19.4		0.014	
08-06-21	Mid-Flood	SR3A	Cloudy	Moderate	6.1	Middle	0.1	40	28.4	28.3	8.2		22.0	22.6	101.1		6.4	7.7	17.6	18.7	0.022	0.013
08-06-21	Mid-Flood	SR3A	Cloudy	Moderate	6.1	Middle	0.1	41	28.4		8.2		22.0		101.1		6.4	7.7	17.3		0.015	
08-06-21	Mid-Flood	SR3A	Cloudy	Moderate	6.1	Bottom	0.1	168	27.2		8.0		25.4		101.1		5.5	7.7	19.2		0.008	
08-06-21	Mid-Flood	SR3A	Cloudy	Moderate	6.1	Bottom	0.1	173	27.2		8.0		25.3		101.1		5.5	7.7	19.2		0.002	
08-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Surface	0.2	306	29.5		8.6		20.6		167.7		11.4	10.7	21.0		0.012	
08-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Surface	0.2	314	29.5		8.6		20.6		167.7		11.4	10.7	21.0		0.011	
08-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Middle	0.2	303	29.1	28.9	8.5		21.5	21.6	147.5		10.0	10.7	20.2	19.0	0.004	0.007
08-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Middle	0.2	308	29.1		8.5		21.5		147.5		10.0	10.7	20.2		0.006	
08-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Bottom	0.1	269	28.2		8.3		22.9		147.5		8.8	8.8	15.8		0.008	
08-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Bottom	0.1	291	28.2		8.3											

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value
15-06-21	Mid-Ebb	CEA	Cloudy	Moderate	4.8	Surface	0.2	245	29.2		7.9		17.9		92.2		6.4		6.0		0.008		
15-06-21	Mid-Ebb	CEA	Cloudy	Moderate	4.8	Surface	0.2	249	29.2		7.9		17.9		91.9		6.4		6.5		0.009		
15-06-21	Mid-Ebb	CEA	Cloudy	Moderate	4.8	Middle				29.1	7.9			19.0		85.0		6.4		8.0		0.009	
15-06-21	Mid-Ebb	CEA	Cloudy	Moderate	4.8	Middle					7.9				77.9		5.4		9.7		0.011		
15-06-21	Mid-Ebb	CEA	Cloudy	Moderate	4.8	Bottom	0.3	253	28.9		7.9		20.2		78.0		5.4	5.4	9.7		0.007		
15-06-21	Mid-Ebb	CF	Cloudy	Rough	16.7	Surface	0.6	155	28.3		8.1		20.8		87.8		6.1		5.1		0.012		
15-06-21	Mid-Ebb	CF	Cloudy	Rough	16.7	Surface	0.7	164	28.3		8.1		20.9		87.6		6.1		5.1		0.015		
15-06-21	Mid-Ebb	CF	Cloudy	Rough	16.7	Middle	0.5	175	28.0	28.0	8.0		24.4	24.1	78.6	79.0	5.4	5.7	5.2	5.4	0.007	0.010	
15-06-21	Mid-Ebb	CF	Cloudy	Rough	16.7	Middle	0.5	189	27.9		8.0		24.4		78.6		5.4		5.2		0.009		
15-06-21	Mid-Ebb	CF	Cloudy	Rough	16.7	Bottom	0.4	163	27.7		8.0		27.0		70.6		4.8	4.8	5.7		0.006		
15-06-21	Mid-Ebb	CF	Cloudy	Rough	16.7	Bottom	0.4	177	27.7		8.0		26.9		70.9		4.8		6.2		0.008		
15-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Surface	0.1	231	29.8		8.0		18.7		98.3		6.7		5.5		0.015		
15-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Surface	0.2	235	29.8		8.0		18.7		98.3		6.7		5.5		0.011		
15-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Middle	0.1	254	29.8	29.4	8.0		19.9	20.6	89.8	88.1	6.1	6.4	8.3	9.9	0.005	0.008	
15-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Middle	0.2	269	29.8		8.0		19.9		89.7		6.1		8.4		0.008		
15-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Bottom	0.1	154	28.5		8.0		23.1		76.4		5.2	5.2	14.6		0.007		
15-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Bottom	0.1	165	28.5		8.0		23.1		76.3		5.2		16.9		0.002		
15-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Surface	0.0	173	29.6		8.1		19.1		106.1		7.3		3.3		0.018		
15-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Surface	0.0	162	29.6		8.1		19.1		105.9		7.3		4.1		0.014		
15-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Middle	0.0	129	29.2	29.2	8.0		19.7	20.1	87.6	92.1	6.0	6.6	7.6	6.8	0.005	0.009	
15-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Middle	0.0	132	29.2		8.0		19.7		87.7		6.0		7.8		0.009		
15-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Bottom	0.1	32	28.8		8.0		21.7		82.7		5.7	5.7	8.8		0.006		
15-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Bottom	0.1	33	28.8		8.0		21.7		82.8		5.7		9.1		0.003		
15-06-21	Mid-Ebb	SR7	Cloudy	Rough	18.3	Surface	0.5	130	29.0		8.2		16.4		104.9		7.4		4.1		0.011		
15-06-21	Mid-Ebb	SR7	Cloudy	Rough	18.3	Surface	0.6	132	29.0		8.2		16.4		104.8		7.4		4.1		0.012		
15-06-21	Mid-Ebb	SR7	Cloudy	Rough	18.3	Middle	0.5	182	28.1	28.3	8.0		24.2	21.9	80.1	86.8	5.5	6.4	4.0	7.3	0.005	0.009	
15-06-21	Mid-Ebb	SR7	Cloudy	Rough	18.3	Middle	0.6	188	28.1		8.0	8.1	24.2		80.3		5.5		4.0		0.008		
15-06-21	Mid-Ebb	SR7	Cloudy	Rough	18.3	Bottom	0.5	169	27.9		8.0		25.3		75.1		5.1	5.1	14.4		0.008		
15-06-21	Mid-Ebb	SR7	Cloudy	Rough	18.3	Bottom	0.6	176	27.9		8.0		25.3		75.3		5.1		13.1		0.007		
15-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Surface	0.3	212	29.5		8.0		19.6		92.8		6.4		4.4		0.010		
15-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Surface	0.3	215	29.4		8.0		19.6		92.7		6.4		4.3		0.007		
15-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Middle				29.1	8.0			20.6		85.9		6.4		9.7		0.006	
15-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Middle					8.0				78.9		5.4	5.4	15.0		0.002		
15-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Bottom	0.2	206	28.7		8.0		21.7		79.1		5.4		15.1		0.005		
15-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Bottom	0.2	219	28.7		8.0		21.7		79.1		5.4		15.1		0.005		
15-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.8	Surface	0.3	75	29.3		8.0		18.4		87.5		6.1		4.9		0.007		
15-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.8	Surface	0.3	79	29.3		8.0		18.4		87.4		6.0		4.9		0.008		
15-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.8	Middle				29.0	8.0			19.8		82.5		6.0		10.0		0.007	
15-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.8	Middle					8.0				87.4		6.0		4.9		0.008		
15-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.8	Bottom	0.1	50	28.6		8.0		21.2		77.5		5.3	5.3	15.1		0.005		
15-06-21	Mid-Flood	CEA	Cloudy	Moderate	4.8	Bottom	0.1	52	28.6		8.0		21.2		77.6		5.3		15.1		0.006		
15-06-21	Mid-Flood	CF	Cloudy	Moderate	18.5	Surface	0.4	6	28.4		8.1		20.1		86.0		6.0		4.7		0.012		
15-06-21	Mid-Flood	CF	Cloudy	Moderate	18.5	Surface	0.4	6	28.4		8.1		20.1		86.0		6.0		4.8		0.016		
15-06-21	Mid-Flood	CF	Cloudy	Moderate	18.5	Middle	0.5	0	28.0	27.9	8.1	8.1	24.8	24.2	76.0	76.5	5.2	5.6	8.3	6.5	0.002	0.008	
15-06-21	Mid-Flood	CF	Cloudy	Moderate	18.5	Middle	0.6	0	28.0		8.1		24.7		76.0		5.2		8.4		0.005		
15-06-21	Mid-Flood	CF	Cloudy	Moderate	18.5	Bottom	0.6	348	27.3		8.1		27.7		67.5		4.6	4.6	6.4		0.007		
15-06-21	Mid-Flood	CF	Cloudy	Moderate	18.5	Bottom	0.6	320	27.3		8.1		27.7		67.6		4.6		6.6		0.004		
15-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.4	Surface	0.2	93	29.5		8.0		19.9		86.1		5.9		6.0		0.014		
15-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.4	Surface	0.2	97	29.5		8.0		19.9		86.4		5.9		6.0		0.018		
15-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.4	Middle	0.2	87	29.0	29.1	8.0	8.0	20.9	20.7	81.7	82.3	5.6	5.7	9.0	8.7	0.005	0.008	
15-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.4	Middle	0.2	89	29.0		8.0		20.9		81.9		5.6		9.2		0.002		
15-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.4	Bottom	0.0	215	28.7		8.0		21.4		78.8		5.4	5.4	10.8		0.006		
15-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.4	Bottom	0.0	227	28.7		8.0		21.4		78.9		5.4		10.9		0.003		
15-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.4	Surface	0.1	325	29.0		8.0		18.9		89.3		6.2		4.4		0.012		
15-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.4	Surface	0.1	345	29.0		8.0		18.9		89.4		6.2		4.6		0.011		
15-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.4	Middle	0.1	317	28.9	28.9	8.0	8.0	19.2	19.2	89.3	89.4	6.2	6.2	7.5	7.3	0.017	0.011	
15-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.4	Middle	0.1	333	28.9		8.0		19.2		89.2		6.2		7.7		0.010		
15-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.4	Bottom	0.1	306	28.9		8.0		19.6		89.5		6.2		9.5		0.008		
15-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.4	Bottom	0.1	317	28.9		8.0		19.6		89.6		6.2		9.8		0.007		
15-06-21	Mid-Flood	SR7	Cloudy	Moderate	17.9	Surface	0.7	341	28.9		8.1		18.0		91.8		6.4		3.6		0.010		
15-06-21	Mid-Flood	SR7	Cloudy	Moderate	17.9	Surface	0.8	354	28.9		8.1												

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
22-06-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Surface	0.4	241	30.6		7.9		15.0		90.5		6.2		5.7		0.005	
22-06-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Surface	0.4	249	30.6		7.9		15.0		90.5		6.2		5.7		0.006	
22-06-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Middle				30.6		7.9		15.0		95.0		6.2		5.9		0.007
22-06-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Middle																
22-06-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Bottom	0.3	243	30.5		7.9		15.0		99.2		6.9	6.9	6.1		0.008	
22-06-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Bottom	0.3	245	30.5		7.9		15.0		99.6		6.9	6.1		0.008		
22-06-21	Mid-Ebb	CF	Rainy	Calm	14.8	Surface	1.0	169	29.2		8.1		18.0		85.8		6.0		5.1		0.011	
22-06-21	Mid-Ebb	CF	Rainy	Calm	14.8	Surface	1.1	183	29.2		8.1		18.0		84.6		5.9		5.2		0.012	
22-06-21	Mid-Ebb	CF	Rainy	Calm	14.8	Middle	0.8	167	29.9	28.6	8.1	8.0	23.3	23.3	72.9	74.4	4.9	5.4	6.0	6.3	0.005	0.011
22-06-21	Mid-Ebb	CF	Rainy	Calm	14.8	Middle	0.9	169	28.7		8.1		23.2		71.0		4.8		6.4		0.007	
22-06-21	Mid-Ebb	CF	Rainy	Calm	14.8	Bottom	0.4	165	27.7		8.0		28.6		64.6		4.3	4.4	7.9		0.013	
22-06-21	Mid-Ebb	CF	Rainy	Calm	14.8	Bottom	0.5	170	27.7		8.0		28.8		67.3		4.5		7.3		0.015	
22-06-21	Mid-Ebb	SR3A	Rainy	Calm	6.4	Surface	0.2	221	29.9		8.0		15.5		85.8		6.0		4.2		0.002	
22-06-21	Mid-Ebb	SR3A	Rainy	Calm	6.4	Surface	0.2	243	29.9		8.0		15.5		85.6		6.0		4.4		0.003	
22-06-21	Mid-Ebb	SR3A	Rainy	Calm	6.4	Middle	0.1	245	29.8	29.8	8.0	8.0	16.2	16.2	84.4	86.7	5.9	5.9	5.2	5.4	0.006	0.005
22-06-21	Mid-Ebb	SR3A	Rainy	Calm	6.4	Middle	0.1	267	29.8		8.0		15.6		84.8		5.9		5.5		0.008	
22-06-21	Mid-Ebb	SR3A	Rainy	Calm	6.4	Bottom	0.1	259	29.7		8.0		18.0		88.1		6.1	6.2	6.3	5.4	0.005	0.008
22-06-21	Mid-Ebb	SR3A	Rainy	Calm	6.4	Bottom	0.1	259	29.8		8.0		16.8		91.7		6.3	6.2	6.7	5.4	0.006	0.005
22-06-21	Mid-Ebb	SR5A	Rainy	Calm	6.2	Surface	0.0	191	29.5		8.1		20.8		85.5		5.8		6.9		0.011	
22-06-21	Mid-Ebb	SR5A	Rainy	Calm	6.2	Surface	0.0	197	29.5		8.1		20.8		85.5		5.8		6.5		0.011	
22-06-21	Mid-Ebb	SR5A	Rainy	Calm	6.2	Middle	0.1	63	29.4	29.4	8.1	8.1	21.7	21.7	86.0	88.3	5.8	5.8	7.2	7.5	0.008	0.009
22-06-21	Mid-Ebb	SR5A	Rainy	Calm	6.2	Middle	0.1	67	29.4		8.1		21.3		86.3		5.9		7.2		0.010	
22-06-21	Mid-Ebb	SR5A	Rainy	Calm	6.2	Bottom	0.1	356	29.3		8.1		23.1		91.6		6.2	6.3	8.4		0.007	
22-06-21	Mid-Ebb	SR5A	Rainy	Calm	6.2	Bottom	0.1	328	29.3		8.1		23.0		94.7		6.4	6.3	8.9		0.009	
22-06-21	Mid-Ebb	SR7	Rainy	Calm	17.2	Surface	1.0	163	29.4		8.1		17.0		86.5		6.0		5.7		0.015	
22-06-21	Mid-Ebb	SR7	Rainy	Calm	17.2	Surface	1.1	168	29.4		8.1		17.0		86.3		6.0		5.7		0.016	
22-06-21	Mid-Ebb	SR7	Rainy	Calm	17.2	Middle	0.7	167	29.1	28.8	8.1	8.1	22.4	22.4	76.4	78.7	5.2	5.6	6.3	6.4	0.005	0.010
22-06-21	Mid-Ebb	SR7	Rainy	Calm	17.2	Middle	0.7	178	29.0		8.1		22.7		75.1		5.1		6.0		0.006	
22-06-21	Mid-Ebb	SR7	Rainy	Calm	17.2	Bottom	0.3	139	28.1		8.0		27.5		73.2		4.9	5.0	7.1		0.007	
22-06-21	Mid-Ebb	SR7	Rainy	Calm	17.2	Bottom	0.4	148	28.2		8.0		27.5		74.8		5.0		7.4		0.009	
22-06-21	Mid-Ebb	SR14A	Rainy	Calm	3.8	Surface	0.4	227	30.3		7.9		15.6		88.3		6.1		4.9		0.014	
22-06-21	Mid-Ebb	SR14A	Rainy	Calm	3.8	Surface	0.4	244	30.3		7.9		15.6		88.3		6.1		4.9		0.015	
22-06-21	Mid-Ebb	SR14A	Rainy	Calm	3.8	Middle				30.2		7.9		15.6		90.7		6.1		5.1		0.011
22-06-21	Mid-Ebb	SR14A	Rainy	Calm	3.8	Middle																
22-06-21	Mid-Ebb	SR14A	Rainy	Calm	3.8	Bottom	0.3	225	30.2		7.9		15.6		91.8		6.3	6.4	5.1		0.006	
22-06-21	Mid-Ebb	SR14A	Rainy	Calm	3.8	Bottom	0.4	234	30.2		7.9		15.6		94.4		6.5	6.4	5.3		0.007	
22-06-21	Mid-Flood	CEA	Rainy	Calm	3.4	Surface	0.1	243	30.9		8.0		14.4		88.6		6.1		6.6		0.004	
22-06-21	Mid-Flood	CEA	Rainy	Calm	3.4	Surface	0.1	262	30.9		8.0		14.4		88.7		6.1		6.5		0.006	
22-06-21	Mid-Flood	CEA	Rainy	Calm	3.4	Middle				30.9		8.0		14.4		90.5		6.1		7.0		0.006
22-06-21	Mid-Flood	CEA	Rainy	Calm	3.4	Middle																
22-06-21	Mid-Flood	CEA	Rainy	Calm	3.4	Bottom	0.1	230	30.9		8.0		14.4		91.6		6.3	6.4	7.5		0.007	
22-06-21	Mid-Flood	CEA	Rainy	Calm	3.4	Bottom	0.1	247	30.9		8.0		14.4		93.1		6.4	6.4	7.5		0.008	
22-06-21	Mid-Flood	CF	Rainy	Calm	14.6	Surface	0.6	184	29.3		8.1		15.9		75.5		5.3		4.1		0.009	
22-06-21	Mid-Flood	CF	Rainy	Calm	14.6	Surface	0.6	195	29.3		8.1		15.8		75.0		5.3		4.0		0.009	
22-06-21	Mid-Flood	CF	Rainy	Calm	14.6	Middle	0.2	323	28.1	28.5	8.0	8.0	23.4	23.4	63.4	69.1	4.3	4.8	5.9	5.6	0.005	0.008
22-06-21	Mid-Flood	CF	Rainy	Calm	14.6	Middle	0.2	352	28.1		8.0		26.9		63.5		4.3		5.9		0.005	
22-06-21	Mid-Flood	CF	Rainy	Calm	14.6	Bottom	0.3	346	28.0		8.0		27.7		68.5		4.6	4.6	6.9		0.011	
22-06-21	Mid-Flood	CF	Rainy	Calm	14.6	Bottom	0.3	318	28.0		8.0		27.7		68.9		4.6		6.9		0.010	
22-06-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Surface	0.1	80	30.0		8.0		14.6		83.9		5.9		4.9		0.006	
22-06-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Surface	0.1	86	30.0		8.0		14.6		83.9		5.9		4.9		0.006	
22-06-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Middle	0.1	68	29.6	29.7	8.0	8.0	17.8	17.8	80.9	86.4	5.7	5.8	5.1	5.5	0.005	0.006
22-06-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Middle	0.1	74	29.4		8.0		15.8		81.7		5.7		5.9		0.006	
22-06-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Bottom	0.0	316	29.7		8.0		23.1		93.6		6.3	6.3	6.2		0.007	
22-06-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Bottom	0.0	330	29.7		8.0		23.1		94.5		6.3	6.3	6.2		0.008	
22-06-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Surface	0.1	269	30.0		8.1		18.6		93.1		6.4		4.9		0.013	
22-06-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Surface	0.1	275	29.9		8.1		18.8		92.8		6.3	6.3	4.9		0.011	
22-06-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Middle	0.1	245	29.8	29.8	8.1	8.1	19.2	19.2	91.5	92.7	6.3	6.3	5.5	5.6	0.012	0.011
22-06-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Middle	0.1	267	29.8		8.1		19.3		91.4		6.2		5.5		0.010	
22-06-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Bottom	0.1	215	29.7		8.1		19.6		92.9		6.3	6.4	6.1		0.008	
22-06-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Bottom	0.1	219	29.7		8.1		19.6		94.3		6.4	6.4	6.5		0.009	
22-06-21	Mid-Flood	SR7	Rainy	Calm	16.2	Surface	0.5	215	29.5		8.1		15.4		79.8		5.6		4.7		0.007	

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
29-06-21	Mid-Ebb	CEA	Cloudy	Moderate	5.1	Surface	0.3	208	28.4		7.9		14.9		84.1		6.0		6.9		0.010	
29-06-21	Mid-Ebb	CEA	Cloudy	Moderate	5.1	Surface	0.4	212	28.4		7.9		14.9		84.1		6.0		7.0		0.007	
29-06-21	Mid-Ebb	CEA	Cloudy	Moderate	5.1	Middle				28.4	7.9											
29-06-21	Mid-Ebb	CEA	Cloudy	Moderate	5.1	Middle																
29-06-21	Mid-Ebb	CEA	Cloudy	Moderate	5.1	Bottom	0.2	208	28.4		7.9		15.2		83.5		6.0		9.7		0.005	
29-06-21	Mid-Ebb	CEA	Cloudy	Moderate	5.1	Bottom	0.2	211	28.4		7.9		15.2		83.6		6.0	6.0	9.6		0.002	
29-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.8	Surface	0.6	157	27.8		8.0		19.7		86.5		6.1		6.4		0.010	
29-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.8	Surface	0.6	168	27.8		8.0		19.7		86.4		6.1	5.3	6.4		0.008	
29-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.8	Middle	0.6	165	27.1	27.1	8.0	8.0	23.9	23.5	65.7	71.4	4.6		7.1		0.009	
29-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.8	Middle	0.6	173	27.1		8.0		23.9		65.7		4.6		7.1		0.007	
29-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.8	Bottom	0.4	168	26.4		8.0		27.0		61.8		4.3	4.3	25.4		0.003	
29-06-21	Mid-Ebb	CF	Cloudy	Moderate	16.8	Bottom	0.5	179	26.4		8.0		26.9		62.1		4.3		25.6		0.002	
29-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Surface	0.2	244	28.7		7.9		14.7		85.7		6.1		8.8		0.010	
29-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Surface	0.2	245	28.7		7.9		14.7		85.7		6.1		8.8		0.012	
29-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Middle	0.2	232	28.7		7.9		16.5		75.4	74.3	5.3	5.7	10.1		0.007	
29-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Middle	0.2	244	28.7		7.9		16.5		75.3		5.3		10.1		0.006	
29-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Bottom	0.0	269	27.3		7.9		23.4		61.9		4.3	4.3	13.7		0.003	
29-06-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Bottom	0.0	284	27.3		7.9		23.4		62.0		4.3		11.4		0.005	
29-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Surface	0.1	355	28.1		7.9		18.2		83.5		5.9		4.9		0.010	
29-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Surface	0.1	356	28.0		7.9		18.2		83.3		5.9		4.8		0.008	
29-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Middle	0.1	55	27.9		7.9		19.4		80.9	81.7	5.7	5.8	4.8		0.006	
29-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Middle	0.1	59	27.9		7.9		19.4		80.8		5.7		4.9		0.005	
29-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Bottom	0.1	12	27.8		7.8		19.6		80.7		5.7		5.2		0.002	
29-06-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Bottom	0.1	13	27.8		7.8		19.6		81.0		5.7	5.7	5.1		0.003	
29-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.8	Surface	0.5	137	28.3		8.0		16.2		93.1		6.6		6.1		0.007	
29-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.8	Surface	0.6	147	28.3		8.0		16.2		93.0		6.6		6.1		0.008	
29-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.8	Middle	0.5	155	27.5		7.9		21.2		73.2	76.0	5.1	5.9	8.7		0.006	
29-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.8	Middle	0.5	164	27.5		7.9	7.9	21.3	20.7	73.1		5.1		8.5		0.005	
29-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.8	Bottom	0.5	158	26.9		7.8		24.8		61.8		4.3	4.3	20.7		0.004	
29-06-21	Mid-Ebb	SR7	Cloudy	Moderate	17.8	Bottom	0.5	162	26.9		7.8		24.8		61.8		4.3		20.7		0.004	
29-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.7	Surface	0.3	244	28.4		7.8		16.0		86.9		6.2		6.9		0.010	
29-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.7	Surface	0.3	250	28.4		7.8		16.0		86.9		6.2		6.8		0.008	
29-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.7	Middle				28.3	7.8											
29-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.7	Middle																
29-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.7	Bottom	0.2	233	28.2		7.7		17.8		78.8		5.6	5.6	16.7		0.002	
29-06-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.7	Bottom	0.2	244	28.2		7.7		17.8		78.9		5.6		16.1		0.005	
29-06-21	Mid-Flood	CEA	Cloudy	Moderate	5.3	Surface	0.3	71	28.4		7.9		15.4		84.6		6.0		5.7		0.002	
29-06-21	Mid-Flood	CEA	Cloudy	Moderate	5.3	Surface	0.3	74	28.4		7.9		15.4		84.5		6.0		5.7		0.003	
29-06-21	Mid-Flood	CEA	Cloudy	Moderate	5.3	Middle				28.3	7.9											
29-06-21	Mid-Flood	CEA	Cloudy	Moderate	5.3	Middle																
29-06-21	Mid-Flood	CEA	Cloudy	Moderate	5.3	Bottom	0.2	54	28.1		7.9		16.9		75.9		5.4		16.3		0.008	
29-06-21	Mid-Flood	CEA	Cloudy	Moderate	5.3	Bottom	0.2	58	28.1		7.9		16.9		76.1		5.4	5.4	16.2		0.005	
29-06-21	Mid-Flood	CF	Cloudy	Rough	18.8	Surface	0.5	17	28.3		7.9		17.1		86.3		6.1		4.6		0.003	
29-06-21	Mid-Flood	CF	Cloudy	Rough	18.8	Surface	0.6	17	28.3		7.9		17.1		86.2		6.1		4.6		0.005	
29-06-21	Mid-Flood	CF	Cloudy	Rough	18.8	Middle	0.5	358	26.7		7.9		25.1		60.4	67.2	4.2	5.2	4.7		0.005	
29-06-21	Mid-Flood	CF	Cloudy	Rough	18.8	Middle	0.6	329	26.7		7.9		25.1		60.4		4.2		4.7		0.010	
29-06-21	Mid-Flood	CF	Cloudy	Rough	18.8	Bottom	0.6	343	25.9		7.9		29.2		54.9		3.8	3.8	21.7		0.007	
29-06-21	Mid-Flood	CF	Cloudy	Rough	18.8	Bottom	0.6	345	25.9		7.9		29.2		55.1		3.8		20.7		0.003	
29-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.6	Surface	0.3	66	28.8		7.9		16.5		79.9		5.6		9.2		0.011	
29-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.6	Surface	0.3	70	28.8		7.9		16.5		79.9		5.6		9.1		0.007	
29-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.6	Middle	0.2	72	28.7		7.9		17.3		79.3	77.9	5.6	5.6	14.2		0.002	
29-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.6	Middle	0.2	78	28.7		7.9		17.3		79.2		5.6		14.2		0.004	
29-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.6	Bottom	0.1	69	28.4		7.9		17.7		74.4		5.2	5.3	15.5		0.004	
29-06-21	Mid-Flood	SR3A	Cloudy	Moderate	7.6	Bottom	0.1	73	28.4		7.9		17.7		74.5		5.3		17.3		0.007	
29-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Surface	0.2	317	28.4		7.9		16.7		82.8		5.9		7.3		0.011	
29-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Surface	0.2	334	28.4		7.9		16.7		82.7		5.9		7.4		0.007	
29-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Middle	0.2	307	28.3		7.9		17.1		82.5	82.9	5.8	5.9	9.5		0.005	
29-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Middle	0.2	301	28.3		7.9		17.1		82.6		5.8		9.5		0.005	
29-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Bottom	0.2	356	28.3		7.9		17.1		83.3		5.9	5.9	9.8		0.003	
29-06-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Bottom	0.2	328	28.3		7.9		17.1		83.4		5.9		9.8		0.006	
29-06-21	Mid-Flood	SR7	Cloudy	Rough	18.1	Surface	0.6	3	28.2		8.0		16.7		85.4		6.1		4.9		0.004	
29-06-21	Mid-Flood	SR7	Cloudy	Rough	18.1	Surface	0.6	3	28.1		8.0		16.8		85.2		6.1		4.9		0.006	
29-06																						

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH	pH	Salinity ppt		DO Saturation (%)		DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged			Value	Depth-averaged	Value	Depth-averaged						Value
07-07-21	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Surface	0.4	230	30.4		8.6		13.4		157.1		11.0		5.1		0.032	
07-07-21	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Surface	0.4	230	30.4		8.6		13.4		156.6		10.9		5.1		0.028	
07-07-21	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Middle				29.5	8.3			16.6		114.3			9.1			0.021
07-07-21	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Middle					8.0				71.5		5.0		12.9		0.012	
07-07-21	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Bottom	0.4	223	28.5		8.0				71.8		5.0		13.4		0.010	
07-07-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Surface	1.3	162	29.0		8.1		12.4		84.9		6.1		4.9		0.044	
07-07-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Surface	1.4	168	29.0		8.1		13.4		84.6		6.0		5.1		0.036	
07-07-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Middle	0.9	171	26.5	27.3	8.0		27.2	22.8	57.3	67.1	4.0	5.0	6.9	6.4	0.016	0.020
07-07-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Middle	1.0	179	26.4		8.0		27.3		57.5		4.0		7.0		0.013	
07-07-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Bottom	0.3	151	26.3		8.0		28.2		59.2		4.1	4.1	7.1		0.004	
07-07-21	Mid-Ebb	CF	Cloudy	Moderate	15.8	Bottom	0.4	157	26.3		8.0		28.2		59.3		4.1		7.2		0.006	
07-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.5	Surface	0.1	242	30.0		8.4		15.3		108.3		7.5		7.7		0.026	
07-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.5	Surface	0.1	262	29.9		8.4		15.3		108.0		7.5		7.8		0.023	
07-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.5	Middle	0.1	232	29.0	28.7	8.1		17.9	19.8	73.5	79.9	5.1	6.3	17.8	12.8	0.010	0.013
07-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.5	Middle	0.1	246	29.0		8.1		17.9		73.1		5.1		16.2		0.008	
07-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.5	Bottom	0.0	189	27.0		8.0		26.1		58.1		4.0	4.0	13.8		0.007	
07-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.5	Bottom	0.0	196	27.0		8.0		26.2		58.2		4.0		13.7		0.006	
07-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.6	Surface	0.2	284	29.7		8.7		17.2		160.5		11.1		6.5		0.031	
07-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.6	Surface	0.2	288	29.7		8.7		17.2		159.9		11.1		7.0		0.024	
07-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.6	Middle	0.2	273	29.2	29.0	8.5		18.7	19.2	121.4	122.2	8.4	9.7	10.1	11.4	0.016	0.016
07-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.6	Middle	0.2	276	29.2		8.5		18.7		120.9		8.4		11.0		0.012	
07-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.6	Bottom	0.2	279	28.1		8.2		21.7		85.3		5.9	5.9	16.8		0.004	
07-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	6.6	Bottom	0.2	281	28.1		8.2		21.7		85.4		5.9		16.9		0.008	
07-07-21	Mid-Ebb	SR7	Cloudy	Moderate	16.9	Surface	1.2	173	29.8		8.2		6.5		93.1		6.8		5.3		0.026	
07-07-21	Mid-Ebb	SR7	Cloudy	Moderate	16.9	Surface	1.2	179	29.8		8.2		6.5		92.9		6.8		5.3		0.020	
07-07-21	Mid-Ebb	SR7	Cloudy	Moderate	16.9	Middle	0.4	153	26.9	27.6	8.0	8.1	23.9	19.6	52.7	66.5	3.7	5.2	11.0	10.8	0.005	0.011
07-07-21	Mid-Ebb	SR7	Cloudy	Moderate	16.9	Middle	0.4	158	26.8		8.0		23.9		52.7		3.7		10.8		0.004	
07-07-21	Mid-Ebb	SR7	Cloudy	Moderate	16.9	Bottom	0.3	159	26.2		8.0		28.3		53.7		3.7	3.7	16.0		0.003	
07-07-21	Mid-Ebb	SR7	Cloudy	Moderate	16.9	Bottom	0.4	174	26.2		8.0		28.2		54.0		3.7		16.4		0.007	
07-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.2	Surface	0.3	238	30.1		8.5		14.8		131.9		9.2		9.3		0.023	
07-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.2	Surface	0.3	241	30.0		8.5		14.9		130.6		9.1		9.5		0.026	
07-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.2	Middle				29.4	8.3			17.0		107.0		9.1				0.018
07-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.2	Middle					8.1				82.5		5.7		13.8		0.012	
07-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.2	Bottom	0.3	236	28.7		8.1		19.2		82.8		5.8	5.7	13.2		0.010	
07-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.2	Bottom	0.3	257	28.8		8.1		19.2		82.8		5.8		13.2		0.010	
07-07-21	Mid-Flood	CEA	Cloudy	Moderate	3.5	Surface	0.2	24	30.8		8.6		13.1		147.3		10.2		13.2		0.054	
07-07-21	Mid-Flood	CEA	Cloudy	Moderate	3.5	Surface	0.2	24	30.8		8.6		13.1		146.8		10.2		13.2		0.046	
07-07-21	Mid-Flood	CEA	Cloudy	Moderate	3.5	Middle				29.9	8.3			15.7		110.6		10.2				0.039
07-07-21	Mid-Flood	CEA	Cloudy	Moderate	3.5	Middle					8.1				74.1		5.2		17.3		0.022	
07-07-21	Mid-Flood	CEA	Cloudy	Moderate	3.5	Bottom	0.2	26	28.9		8.1		18.2		74.0		5.2	5.2	17.4		0.032	
07-07-21	Mid-Flood	CF	Cloudy	Moderate	15.3	Surface	0.2	181	29.1		8.2		12.8		87.3		6.3		6.5		0.023	
07-07-21	Mid-Flood	CF	Cloudy	Moderate	15.3	Surface	0.2	197	29.1		8.2		12.8		87.0		6.2		6.6		0.018	
07-07-21	Mid-Flood	CF	Cloudy	Moderate	15.3	Middle	0.1	357	27.1	27.6	8.0	8.1	23.5	21.1	57.6	68.5	4.0	5.1	6.7	10.3	0.006	0.010
07-07-21	Mid-Flood	CF	Cloudy	Moderate	15.3	Middle	0.1	328	27.0		8.0		23.5		57.8		4.0		6.7		0.007	
07-07-21	Mid-Flood	CF	Cloudy	Moderate	15.3	Bottom	0.4	320	26.6		8.0		27.0		60.3		4.2	4.2	17.4		0.002	
07-07-21	Mid-Flood	CF	Cloudy	Moderate	15.3	Bottom	0.4	344	26.6		8.0		27.0		60.7		4.2		17.8		0.004	
07-07-21	Mid-Flood	SR3A	Cloudy	Moderate	6.3	Surface	0.1	52	29.6		8.3		17.1		99.9		6.9		13.1		0.028	
07-07-21	Mid-Flood	SR3A	Cloudy	Moderate	6.3	Surface	0.2	56	29.6		8.3		17.1		99.9		6.9		13.1		0.025	
07-07-21	Mid-Flood	SR3A	Cloudy	Moderate	6.3	Middle	0.1	81	28.2	28.5	8.0	8.1	21.3	20.7	68.0	76.6	4.7	5.8	17.2	18.0	0.012	0.016
07-07-21	Mid-Flood	SR3A	Cloudy	Moderate	6.3	Middle	0.1	88	28.1		8.0		21.3		67.8		4.7		18.9		0.018	
07-07-21	Mid-Flood	SR3A	Cloudy	Moderate	6.3	Bottom	0.1	67	27.6		8.0		23.6		61.9		4.3	4.3	22.8		0.007	
07-07-21	Mid-Flood	SR3A	Cloudy	Moderate	6.3	Bottom	0.1	68	27.6		8.0		23.6		62.2		4.3		22.9		0.007	
07-07-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Surface	0.1	184	30.2		8.6		15.5		159.5		11.0		11.5		0.014	
07-07-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Surface	0.1	200	30.2		8.6		15.4		159.4		11.0		11.8		0.024	
07-07-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Middle	0.0	197	30.1	30.1	8.6	8.6	16.0	16.3	158.1	155.9	10.9	11.0	14.5	15.0	0.002	0.010
07-07-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Middle	0.0	200	30.1		8.6		16.0		157.9		10.9		14.6		0.006	
07-07-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Bottom	0.1	224	30.0		8.6		17.3		150.3		10.3	10.3	18.6		0.012	
07-07-21	Mid-Flood	SR5A	Cloudy	Moderate	6.2	Bottom	0.1	241	30.0		8.6		17.3		150.0		10.3		18.8		0.004	
07-07-21	Mid-Flood	SR7	Cloudy	Moderate	16.4	Surface	0.3	306	29.2		8.1		11.4		84.4		6.1		6.4		0.032	
07-07-21	Mid-Flood	SR7	Cloudy	Moderate	16.4	Surface	0.3	334	29.2		8.1		11.4		84.2		6.1		6.4		0.044	
07-07-21	Mid-Flood	SR7	Cloudy	Moderate	16.4	Middle	0.2	332	27.1	27.4	8.0	8.0	23.8	21.7	55.4	63.1						

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
14-07-21	Mid-Ebb	CEA	Cloudy	Moderate	3.9	Surface	0.3	207	30.9		8.2		17.8		96.1		6.5		3.0		0.030	
14-07-21	Mid-Ebb	CEA	Cloudy	Moderate	3.9	Surface	0.3	216	30.9		8.2		17.8		96.1		6.5		3.1		0.026	
14-07-21	Mid-Ebb	CEA	Cloudy	Moderate	3.9	Middle				30.2	8.2	8.2		19.4		86.7		6.5		3.8		0.020
14-07-21	Mid-Ebb	CEA	Cloudy	Moderate	3.9	Middle					8.2						5.3	5.3	4.5		0.012	
14-07-21	Mid-Ebb	CEA	Cloudy	Moderate	3.9	Bottom	0.4	204	29.4		8.2		21.0		77.3		5.3		4.6		0.010	
14-07-21	Mid-Ebb	CEA	Cloudy	Moderate	3.9	Bottom	0.4	220	29.4		8.2		21.0		77.4		5.3		5.7		0.008	
14-07-21	Mid-Ebb	CF	Cloudy	Moderate	18.1	Surface	0.7	151	29.2		8.4		21.1		112.7		7.7	6.7	5.3		0.042	
14-07-21	Mid-Ebb	CF	Cloudy	Moderate	18.1	Surface	0.7	163	29.2		8.4		21.1		112.5		7.7	6.7	5.4		0.036	
14-07-21	Mid-Ebb	CF	Cloudy	Moderate	18.1	Middle	0.8	152	28.7	28.6	8.3	8.3	23.8	23.8	85.3	88.8	5.8	6.7	4.4	5.1	0.015	0.020
14-07-21	Mid-Ebb	CF	Cloudy	Moderate	18.1	Middle	0.9	156	28.7		8.2		23.8		85.1		5.8		4.4		0.014	
14-07-21	Mid-Ebb	CF	Cloudy	Moderate	18.1	Bottom	0.4	135	27.8		8.2		26.5		68.8		4.7	4.7	5.6		0.006	
14-07-21	Mid-Ebb	CF	Cloudy	Moderate	18.1	Bottom	0.5	137	27.7		8.2		26.6		68.4		4.6	4.7	5.7		0.008	
14-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Surface	0.2	235	32.1		8.2		16.7		106.1		7.1	6.4	5.7		0.028	
14-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Surface	0.2	246	32.1		8.2		16.7		106.1		7.1	6.4	5.7		0.026	
14-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Middle	0.1	228	30.5	30.3	8.2	8.2	20.1	20.5	85.5	89.0	5.7	6.4	10.8	7.5	0.011	0.014
14-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Middle	0.1	228	30.5		8.2		20.1		85.4		5.7		10.8		0.008	
14-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Bottom	0.1	282	28.4		8.2		24.7		75.5		5.1	5.1	6.2		0.006	
14-07-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Bottom	0.1	303	28.4		8.2		24.7		75.5		5.1	5.1	6.2		0.005	
14-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.1	Surface	0.1	26	30.2		8.4		20.2		116.9		7.9	7.6	9.4		0.031	
14-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.1	Surface	0.1	27	30.3		8.4		20.1		117.3		7.9	7.6	9.0		0.029	
14-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.1	Middle	0.1	57	29.6	29.8	8.3	8.3	21.2	20.9	107.8	110.7	7.3	7.6	14.4	10.7	0.015	0.017
14-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.1	Middle	0.1	57	29.6		8.3		21.2		107.8		7.3		14.5		0.012	
14-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.1	Bottom	0.1	76	29.5		8.3		21.3		107.2		7.3	7.3	8.3		0.006	
14-07-21	Mid-Ebb	SR5A	Cloudy	Moderate	7.1	Bottom	0.1	76	29.5		8.3		21.3		107.3		7.3	7.3	8.3		0.008	
14-07-21	Mid-Ebb	SR7	Cloudy	Moderate	18.3	Surface	0.5	169	29.4		8.4		20.1		126.2		8.6	7.3	4.0		0.025	
14-07-21	Mid-Ebb	SR7	Cloudy	Moderate	18.3	Surface	0.5	174	29.4		8.4		20.1		126.3		8.6	7.3	4.0		0.021	
14-07-21	Mid-Ebb	SR7	Cloudy	Moderate	18.3	Middle	0.6	187	28.6	28.8	8.2	8.3	23.5	22.8	86.8	97.8	5.9	7.3	3.9	4.0	0.005	0.010
14-07-21	Mid-Ebb	SR7	Cloudy	Moderate	18.3	Middle	0.6	198	28.6		8.2		23.5		86.8		5.9		3.9		0.003	
14-07-21	Mid-Ebb	SR7	Cloudy	Moderate	18.3	Bottom	0.6	166	28.4		8.2		24.9		80.4		5.4	5.4	4.0		0.002	
14-07-21	Mid-Ebb	SR7	Cloudy	Moderate	18.3	Bottom	0.6	168	28.4		8.2		24.9		80.4		5.5	5.4	4.1		0.006	
14-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Surface	0.3	211	30.8		8.2		19.3		100.7		6.8	6.8	3.4		0.026	
14-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Surface	0.4	226	30.8		8.2		19.3		100.6		6.8	6.8	3.4		0.024	
14-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Middle				29.8	8.2	8.2		21.3		91.1		6.8		3.9		0.019
14-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Middle					8.2						5.5		4.9		0.014	
14-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Bottom	0.2	218	28.8		8.2		23.2		81.6		5.5	5.5	4.1		0.013	
14-07-21	Mid-Ebb	SR14A	Cloudy	Moderate	4.6	Bottom	0.2	224	28.8		8.2		23.2		81.6		5.5	5.5	4.1		0.013	
14-07-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Surface	0.3	59	30.1		8.2		18.9		89.5		6.1	6.1	6.8		0.052	
14-07-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Surface	0.3	60	30.2		8.2		18.8		89.6		6.1	6.1	6.8		0.048	
14-07-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Middle				29.9	8.2	8.2		19.7		85.8		6.1		12.1		0.039
14-07-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Middle					8.2						5.6	6.1	6.8		0.024	
14-07-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Bottom	0.3	53	29.7		8.2		20.6		82.0		5.6	5.6	17.3		0.031	
14-07-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Bottom	0.3	53	29.7		8.2		20.6		82.1		5.6	5.6	17.4		0.031	
14-07-21	Mid-Flood	CF	Sunny	Moderate	17.4	Surface	0.4	340	29.2		8.3		19.3		97.1		6.7	6.2	3.8		0.024	
14-07-21	Mid-Flood	CF	Sunny	Moderate	17.4	Surface	0.4	346	29.2		8.3		19.3		97.1		6.7	6.2	3.9		0.021	
14-07-21	Mid-Flood	CF	Sunny	Moderate	17.4	Middle	0.5	324	28.5	28.5	8.2	8.2	23.6	23.1	83.6	83.3	5.7	6.2	4.0	5.4	0.010	0.012
14-07-21	Mid-Flood	CF	Sunny	Moderate	17.4	Middle	0.5	326	28.5		8.2		23.6		83.5		5.7		4.0		0.007	
14-07-21	Mid-Flood	CF	Sunny	Moderate	17.4	Bottom	0.6	323	27.7		8.2		26.3		69.4		4.7	4.7	8.5		0.003	
14-07-21	Mid-Flood	CF	Sunny	Moderate	17.4	Bottom	0.7	346	27.7		8.2		26.3		69.3		4.7	4.7	8.4		0.006	
14-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Surface	0.3	64	30.7		8.2		19.2		89.8		6.0	5.7	10.5		0.026	
14-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Surface	0.3	68	30.7		8.2		19.2		89.6		6.0	5.7	10.5		0.023	
14-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Middle	0.1	60	29.6	29.7	8.2	8.2	21.3	21.4	79.6	82.1	5.4	6.3	18.4	16.5	0.011	0.014
14-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Middle	0.1	61	29.6		8.2		21.3		79.6		5.4		18.4		0.014	
14-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Bottom	0.4	83	28.8		8.2		23.8		76.9		5.2	5.2	20.6		0.006	
14-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Bottom	0.4	86	28.8		8.2		23.8		77.0		5.2	5.2	20.6		0.005	
14-07-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Surface	0.0	279	30.0		8.2		19.1		94.7		6.4	6.3	4.3		0.018	
14-07-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Surface	0.0	303	30.0		8.2		19.1		94.7		6.4	6.3	4.2		0.026	
14-07-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Middle	0.0	219	29.9	29.9	8.2	8.2	19.4	19.5	91.5	92.1	6.2	6.3	5.6	5.9	0.004	0.011
14-07-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Middle	0.0	239	29.9		8.2		19.4		91.5		6.2		5.6		0.007	
14-07-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Bottom	0.0	198	29.8		8.2		20.1		89.9		6.1	6.1	7.7		0.003	
14-07-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Bottom	0.0	214	29.8		8.2		20.1		90.0		6.1	6.1	7.8		0.005	

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value
21-07-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Surface	0.3	237	27.0		8.3		19.6		78.1		5.5		5.1		0.012		
21-07-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Surface	0.3	249	27.0		8.3		19.6		78.5		5.6		5.6		0.013		
21-07-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Middle				26.7	8.4			20.9	85.1				5.9			0.014	
21-07-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Middle					8.4				92.0		6.5	6.5	6.5		0.015		
21-07-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Bottom	0.2	235	26.4		8.4		22.2		91.9		6.5		6.2		0.016		
21-07-21	Mid-Ebb	CEA	Rainy	Calm	3.8	Bottom	0.2	241	26.4		8.4		22.1		91.9		6.5		6.2				
21-07-21	Mid-Ebb	CF	Rainy	Calm	13.4	Surface	0.8	180	24.4		8.3		25.1		78.9		5.7		5.7		0.017		
21-07-21	Mid-Ebb	CF	Rainy	Calm	13.4	Surface	0.8	183	24.4		8.4		25.1		78.5		5.6		5.3		0.018		
21-07-21	Mid-Ebb	CF	Rainy	Calm	13.4	Middle	0.7	166	26.0	25.8	8.3	8.3	26.1	26.6	69.5	70.6	4.8	5.2	6.1	6.6	6.6	0.004	0.011
21-07-21	Mid-Ebb	CF	Rainy	Calm	13.4	Middle	0.8	168	26.0		8.3		26.1		68.1		4.7		6.6		0.005		
21-07-21	Mid-Ebb	CF	Rainy	Calm	13.4	Bottom	0.3	177	27.1		8.3		28.5		63.6		4.3	4.3	7.9		0.011		
21-07-21	Mid-Ebb	CF	Rainy	Calm	13.4	Bottom	0.4	184	27.1		8.3		28.5		65.2		4.4		7.8		0.012		
21-07-21	Mid-Ebb	SR3A	Rainy	Calm	7.0	Surface	0.2	226	25.6		8.3		21.8		67.9		4.9		5.5		0.003		
21-07-21	Mid-Ebb	SR3A	Rainy	Calm	7.0	Surface	0.2	229	25.7		8.3		21.8		67.9		4.9	4.9	5.2		0.004		
21-07-21	Mid-Ebb	SR3A	Rainy	Calm	7.0	Middle	0.2	230	26.5	26.4	8.3	8.3	22.2	23.0	68.7	73.4	4.8	4.9	6.4	6.4	6.4	0.006	0.006
21-07-21	Mid-Ebb	SR3A	Rainy	Calm	7.0	Middle	0.2	237	26.5		8.3		22.2		68.8		4.8		6.3		0.007		
21-07-21	Mid-Ebb	SR3A	Rainy	Calm	7.0	Bottom	0.1	223	27.1		8.4		24.9		83.6		5.7	5.7	7.4		0.009		
21-07-21	Mid-Ebb	SR3A	Rainy	Calm	7.0	Bottom	0.1	228	27.1		8.4		24.8		83.5		5.7		7.3		0.008		
21-07-21	Mid-Ebb	SR5A	Rainy	Calm	6.6	Surface	0.2	75	26.7		8.4		26.5		93.5		6.4		6.4		0.018		
21-07-21	Mid-Ebb	SR5A	Rainy	Calm	6.6	Surface	0.2	76	26.7		8.4		26.5		93.5		6.4	6.4	6.8		0.016		
21-07-21	Mid-Ebb	SR5A	Rainy	Calm	6.6	Middle	0.1	69	26.9	26.9	8.4	8.4	26.8	26.8	93.5	93.5	6.4	6.4	7.8		0.015	0.015	
21-07-21	Mid-Ebb	SR5A	Rainy	Calm	6.6	Middle	0.1	73	26.9		8.4		26.8		93.5		6.4		7.8		0.014		
21-07-21	Mid-Ebb	SR5A	Rainy	Calm	6.6	Bottom	0.1	74	27.1		8.4		27.0		93.5		6.3	6.3	8.6		0.013		
21-07-21	Mid-Ebb	SR5A	Rainy	Calm	6.6	Bottom	0.1	77	27.1		8.4		27.0		93.5		6.3		8.8		0.012		
21-07-21	Mid-Ebb	SR7	Rainy	Calm	17.0	Surface	0.8	162	26.0		8.4		24.8		82.2		5.8		3.6		0.011		
21-07-21	Mid-Ebb	SR7	Rainy	Calm	17.0	Surface	0.9	167	26.0		8.4		24.8		81.4		5.7		3.0		0.010		
21-07-21	Mid-Ebb	SR7	Rainy	Calm	17.0	Middle	0.8	149	26.7	26.6	8.4	8.4	25.9	25.6	75.3	81.5	5.2	5.5	4.8		0.010		
21-07-21	Mid-Ebb	SR7	Rainy	Calm	17.0	Middle	0.9	151	26.7		8.4		25.8		75.5		5.2		4.3		0.011	0.008	
21-07-21	Mid-Ebb	SR7	Rainy	Calm	17.0	Bottom	0.7	152	27.0		8.4		26.3		87.2		5.9	5.9	5.8		0.004		
21-07-21	Mid-Ebb	SR7	Rainy	Calm	17.0	Bottom	0.7	166	27.0		8.4		26.3		87.2		5.9		5.8		0.004		
21-07-21	Mid-Ebb	SR14A	Rainy	Calm	4.2	Surface	0.4	220	26.8		8.3		21.4		76.7		5.4		5.7		0.007		
21-07-21	Mid-Ebb	SR14A	Rainy	Calm	4.2	Surface	0.4	239	26.8		8.3		21.5		76.8		5.4	5.4	5.9		0.008		
21-07-21	Mid-Ebb	SR14A	Rainy	Calm	4.2	Middle				27.0	8.3			22.0	83.2							0.008	
21-07-21	Mid-Ebb	SR14A	Rainy	Calm	4.2	Middle					8.4				89.6		6.2	6.1	6.1		0.009		
21-07-21	Mid-Ebb	SR14A	Rainy	Calm	4.2	Bottom	0.3	214	27.1		8.4		22.6		89.7		6.2	6.2	6.9		0.008		
21-07-21	Mid-Ebb	SR14A	Rainy	Calm	4.2	Bottom	0.3	223	27.1		8.4		22.7		89.7		6.2		6.9		0.008		
21-07-21	Mid-Flood	CEA	Rainy	Calm	3.8	Surface	0.3	102	26.3		8.3		19.6		73.8		5.3		5.2		0.007		
21-07-21	Mid-Flood	CEA	Rainy	Calm	3.8	Surface	0.3	102	26.3		8.3		19.6		73.2		5.2		5.1		0.008		
21-07-21	Mid-Flood	CEA	Rainy	Calm	3.8	Middle				26.8	8.3			20.9	74.6							0.006	
21-07-21	Mid-Flood	CEA	Rainy	Calm	3.8	Middle					8.3				75.0		5.2	5.3	6.5		0.003		
21-07-21	Mid-Flood	CEA	Rainy	Calm	3.8	Bottom	0.3	98	27.2		8.3		22.2		76.5		5.3	5.3	6.6		0.004		
21-07-21	Mid-Flood	CF	Rainy	Calm	15.6	Surface	1.0	71	27.3		8.4		21.3		73.8		5.2		6.5		0.002		
21-07-21	Mid-Flood	CF	Rainy	Calm	15.6	Surface	1.0	77	27.3		8.4		21.3		72.6		5.1	4.9	6.1		0.003		
21-07-21	Mid-Flood	CF	Rainy	Calm	15.6	Middle	0.8	65	25.4	26.2	8.4	8.4	24.4	24.4	67.1	73.8	4.8	4.9	7.6		0.011	0.006	
21-07-21	Mid-Flood	CF	Rainy	Calm	15.6	Middle	0.9	69	25.5		8.4		24.5		66.8		4.7		7.7		0.010		
21-07-21	Mid-Flood	CF	Rainy	Calm	15.6	Bottom	0.5	84	26.0		8.4		27.7		81.2		5.6	5.6	8.1		0.004		
21-07-21	Mid-Flood	CF	Rainy	Calm	15.6	Bottom	0.5	88	25.9		8.4		27.2		81.0		5.6		8.4		0.005		
21-07-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Surface	0.1	106	27.2		8.3		21.1		68.9		4.8		5.8		0.009		
21-07-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Surface	0.1	115	27.2		8.3		21.1		68.9		4.8	5.1	5.8		0.008		
21-07-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Middle	0.1	126	25.6	26.5	8.3	8.3	22.1	22.1	75.0	77.9	5.4	5.1	6.8		0.012	0.011	
21-07-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Middle	0.1	146	25.6		8.3		22.1		75.4		5.4		6.2		0.014		
21-07-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Bottom	0.0	341	26.8		8.3		23.5		89.8		6.2	6.2	7.5		0.011		
21-07-21	Mid-Flood	SR3A	Rainy	Calm	6.2	Bottom	0.0	314	26.8		8.3		22.5		89.1		6.2		7.8		0.010		
21-07-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Surface	0.0	97	26.9		8.4		26.4		98.1		6.7		5.2		0.015		
21-07-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Surface	0.0	97	26.9		8.4		26.4		98.2		6.7	6.6	5.3		0.016		
21-07-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Middle	0.1	140	26.1	26.4	8.4	8.4	26.9	26.9	94.5	95.4	6.5	6.6	6.3		0.006	0.010	
21-07-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Middle	0.1	161	26.1		8.4		27.0		94.4		6.5		6.4		0.007		
21-07-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Bottom	0.1	59	26.2		8.4		27.3		93.6		6.4	6.4	7.6		0.008		
21-07-21	Mid-Flood	SR5A	Rainy	Calm	6.2	Bottom	0.1	65	26.2		8.4		27.3		93.5		6.4		7.3		0.010		
21-07-21	Mid-Flood	SR7	Rainy	Calm	16.2	Surface	0.9	87	26.8		8.4		20.1		76.2		5.4		5.9		0.002		
21-07-21	Mid-Flood	SR7	Rainy	Calm	16.2	Surface	1.0	100	26.9		8.4		20.2		75.6		5.3	5.2	5.5				

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea	Water	Level	Current Speed	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
			Condition	Condition	Depth (m)		(m/s)		Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
28-07-21	Mid-Ebb	CEA	Cloudy	Rough	4.4	Surface	0.2	219	31.7		8.0		21.2		94.4		6.1		6.0		0.012	
28-07-21	Mid-Ebb	CEA	Cloudy	Rough	4.4	Surface	0.2	238	31.7		8.0		21.2		94.3		6.1	6.1	6.0		0.010	
28-07-21	Mid-Ebb	CEA	Cloudy	Rough	4.4	Middle				31.4	8.0			21.5		91.1				7.6		0.012
28-07-21	Mid-Ebb	CEA	Cloudy	Rough	4.4	Middle																0.014
28-07-21	Mid-Ebb	CEA	Cloudy	Rough	4.4	Bottom	0.2	218	31.1		8.0		21.8		87.8		5.7	5.7	9.3		0.012	
28-07-21	Mid-Ebb	CEA	Cloudy	Rough	4.4	Bottom	0.2	228	31.1		8.0		21.8		87.8		5.7	5.7	9.3		0.012	
28-07-21	Mid-Ebb	CF	Cloudy	Rough	17.9	Surface	0.5	130	29.9		8.2		24.4		100.3		6.6	6.0	6.7		0.012	
28-07-21	Mid-Ebb	CF	Cloudy	Rough	17.9	Surface	0.5	142	29.9		8.2		24.4		100.2		6.6	6.0	6.7		0.012	
28-07-21	Mid-Ebb	CF	Cloudy	Rough	17.9	Middle	0.4	145	29.8	29.7	8.2		25.2	25.4	81.8	87.9	5.4	6.0	6.1	6.5	0.016	0.011
28-07-21	Mid-Ebb	CF	Cloudy	Rough	17.9	Middle	0.4	153	29.5		8.2		26.0		81.8		5.4	6.0	6.1		0.015	
28-07-21	Mid-Ebb	CF	Cloudy	Rough	17.9	Bottom	0.3	135	29.4		8.2		26.0		81.6		5.3	5.3	6.7		0.005	
28-07-21	Mid-Ebb	CF	Cloudy	Rough	17.9	Bottom	0.3	137	29.4		8.2		26.1		81.5		5.3	5.3	6.8		0.007	
28-07-21	Mid-Ebb	SR3A	Cloudy	Rough	7.9	Surface	0.2	246	32.1		8.1		21.1		94.7		6.1	5.9	3.1		0.016	
28-07-21	Mid-Ebb	SR3A	Cloudy	Rough	7.9	Surface	0.2	247	32.1		8.1		21.1		94.7		6.1	5.9	3.1		0.015	
28-07-21	Mid-Ebb	SR3A	Cloudy	Rough	7.9	Middle	0.2	247	31.1	31.1	8.1	8.1	22.4	22.6	87.6	87.0	5.7	6.0	5.3	5.1	0.012	0.010
28-07-21	Mid-Ebb	SR3A	Cloudy	Rough	7.9	Middle	0.2	261	31.0		8.1		22.4		87.6		5.7	6.0	5.4		0.008	
28-07-21	Mid-Ebb	SR3A	Cloudy	Rough	7.9	Bottom	0.1	235	30.2		8.1		24.3		78.6		5.2	5.2	6.9		0.004	
28-07-21	Mid-Ebb	SR3A	Cloudy	Rough	7.9	Bottom	0.1	244	30.2		8.1		24.3		78.7		5.2	5.2	7.0		0.006	
28-07-21	Mid-Ebb	SR5A	Cloudy	Rough	6.5	Surface	0.0	235	31.2		8.2		22.4		116.5		7.5	7.2	4.1		0.018	
28-07-21	Mid-Ebb	SR5A	Cloudy	Rough	6.5	Surface	0.0	244	31.2		8.2		22.4		116.4		7.5	7.2	4.1		0.018	
28-07-21	Mid-Ebb	SR5A	Cloudy	Rough	6.5	Middle	0.1	91	30.8	30.8	8.2	8.2	23.0	23.0	105.8	104.8	6.9	6.0	5.3	5.3	0.009	0.010
28-07-21	Mid-Ebb	SR5A	Cloudy	Rough	6.5	Middle	0.1	94	30.8		8.2		22.9		106.0		6.9	6.0	5.4		0.007	
28-07-21	Mid-Ebb	SR5A	Cloudy	Rough	6.5	Bottom	0.0	151	30.3		8.1		23.7		91.9		5.9	5.9	6.6		0.004	
28-07-21	Mid-Ebb	SR5A	Cloudy	Rough	6.5	Bottom	0.0	160	30.3		8.1		23.7		91.9		5.9	5.9	6.6		0.006	
28-07-21	Mid-Ebb	SR7	Cloudy	Rough	17.2	Surface	0.5	111	30.2		8.4		22.5		123.4		8.1	7.3	4.9		0.013	
28-07-21	Mid-Ebb	SR7	Cloudy	Rough	17.2	Surface	0.5	114	30.2		8.4		22.5		123.4		8.1	7.3	4.9		0.012	
28-07-21	Mid-Ebb	SR7	Cloudy	Rough	17.2	Middle	0.4	150	29.8	29.9	8.2	8.3	24.1	23.8	100.4	105.5	6.6	6.0	7.2	6.4	0.018	0.011
28-07-21	Mid-Ebb	SR7	Cloudy	Rough	17.2	Middle	0.4	155	29.8		8.2		24.1		100.3		6.6	6.0	7.2		0.011	
28-07-21	Mid-Ebb	SR7	Cloudy	Rough	17.2	Bottom	0.4	166	29.7		8.2		24.7		92.6		6.0	6.0	7.2		0.008	
28-07-21	Mid-Ebb	SR7	Cloudy	Rough	17.2	Bottom	0.5	170	29.7		8.2		24.7		92.6		6.0	6.0	7.2		0.006	
28-07-21	Mid-Ebb	SR14A	Cloudy	Rough	3.2	Surface	0.3	227	30.8		8.1		22.1		92.6		6.0	6.0	6.4		0.012	
28-07-21	Mid-Ebb	SR14A	Cloudy	Rough	3.2	Surface	0.3	246	30.8		8.1		22.1		92.7		6.0	6.0	6.4		0.012	
28-07-21	Mid-Ebb	SR14A	Cloudy	Rough	3.2	Middle				30.5				22.8		87.6						0.012
28-07-21	Mid-Ebb	SR14A	Cloudy	Rough	3.2	Middle																0.012
28-07-21	Mid-Ebb	SR14A	Cloudy	Rough	3.2	Bottom	0.2	219	30.1		8.1		23.5		82.5		5.5	5.5	11.4		0.012	
28-07-21	Mid-Ebb	SR14A	Cloudy	Rough	3.2	Bottom	0.2	232	30.1		8.1		23.5		82.6		5.5	5.5	11.3		0.010	
28-07-21	Mid-Flood	CEA	Sunny	Moderate	4.9	Surface	0.4	46	30.9		8.1		22.0		86.3		5.7	5.7	6.1		0.015	
28-07-21	Mid-Flood	CEA	Sunny	Moderate	4.9	Surface	0.4	49	30.9		8.1		22.0		86.3		5.7	5.7	6.2		0.014	
28-07-21	Mid-Flood	CEA	Sunny	Moderate	4.9	Middle				30.9				22.1		86.3						0.013
28-07-21	Mid-Flood	CEA	Sunny	Moderate	4.9	Middle																0.014
28-07-21	Mid-Flood	CEA	Sunny	Moderate	4.9	Bottom	0.3	31	30.8		8.1		22.2		87.0		5.8	5.8	5.0		0.012	
28-07-21	Mid-Flood	CEA	Sunny	Moderate	4.9	Bottom	0.3	31	30.8		8.1		22.2		87.0		5.8	5.8	5.1		0.012	
28-07-21	Mid-Flood	CF	Sunny	Moderate	22.3	Surface	0.2	332	30.2		8.1		22.1		93.7		6.2	5.8	4.6		0.016	
28-07-21	Mid-Flood	CF	Sunny	Moderate	22.3	Surface	0.2	340	30.2		8.1		22.1		93.7		6.2	5.8	4.7		0.014	
28-07-21	Mid-Flood	CF	Sunny	Moderate	22.3	Middle	0.6	305	29.5	29.6	8.1	8.1	25.8	24.9	81.1	83.9	5.4	5.8	3.5	4.3	0.007	0.008
28-07-21	Mid-Flood	CF	Sunny	Moderate	22.3	Middle	0.7	322	29.5		8.1		25.8		81.1		5.4	5.8	3.6		0.005	
28-07-21	Mid-Flood	CF	Sunny	Moderate	22.3	Bottom	0.7	311	29.2		8.1		26.9		77.0		5.1	5.1	4.7		0.004	
28-07-21	Mid-Flood	CF	Sunny	Moderate	22.3	Bottom	0.8	333	29.2		8.1		26.9		77.0		5.1	5.1	4.7		0.002	
28-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.7	Surface	0.3	79	30.9		8.1		22.0		86.2		5.7	5.8	3.4		0.016	
28-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.7	Surface	0.3	80	30.9		8.1		22.0		86.2		5.7	5.8	3.5		0.014	
28-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.7	Middle	0.3	73	30.9	30.9	8.1	8.1	22.3	22.2	88.7	87.5	5.8	5.8	4.0	5.2	0.015	0.011
28-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.7	Middle	0.3	73	30.9		8.1		22.3		88.6		5.8	5.8	4.1		0.012	
28-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.7	Bottom	0.3	80	30.8		8.1		22.3		87.5		5.7	5.7	8.0		0.006	
28-07-21	Mid-Flood	SR3A	Sunny	Moderate	7.7	Bottom	0.3	87	30.8		8.1		22.3		87.5		5.7	5.7	8.0		0.005	
28-07-21	Mid-Flood	SR5A	Sunny	Moderate	8.9	Surface	0.1	295	30.4		8.1		22.8		86.1		5.7	5.7	6.1		0.016	
28-07-21	Mid-Flood	SR5A	Sunny	Moderate	8.9	Surface	0.1	303	30.4		8.1		22.8		86.1		5.7	5.7	6.0		0.017	
28-07-21	Mid-Flood	SR5A	Sunny	Moderate	8.9	Middle	0.0	294	30.3	30.3	8.1	8.1	23.0	23.1	86.1	84.9	5.7	5.7	7.3	7.1	0.004	0.010
28-07-21	Mid-Flood	SR5A	Sunny	Moderate	8.9	Middle	0.0	309	30.3		8.1		23.0		86.1		5.7	5.7	7.3		0.008	
28-07-21	Mid-Flood	SR5A	Sunny	Moderate	8.9	Bottom	0.0	138	30.1		8.1		23.6		82.6		5.5	5.5	8.0		0.012	
28-07-21	Mid-Flood	SR5A	Sunny	Moderate	8.9	Bottom	0.0	142	30.1		8.1		23.6		82.6		5.5	5.5	8.0		0.005	
28-07-21	Mid-Flood	SR7	Sunny	Moderate	17.8	Surface	0.7	351	29.9		8.2		23.1									

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value
06-08-21	Mid-Ebb	CEA	Cloudy	Rough	3.9	Surface	0.3	247	29.6		7.9		16.2		90.5		6.3		4.7		0.012		
06-08-21	Mid-Ebb	CEA	Cloudy	Rough	3.9	Surface	0.3	261	29.6		7.9		16.2		90.4		6.3		4.7		0.010		
06-08-21	Mid-Ebb	CEA	Cloudy	Rough	3.9	Middle				29.5		7.8		18.0		77.6		6.3		8.1		0.009	
06-08-21	Mid-Ebb	CEA	Cloudy	Rough	3.9	Middle					7.8						4.4		11.5			0.008	
06-08-21	Mid-Ebb	CEA	Cloudy	Rough	3.9	Bottom	0.2	237	29.4		7.8		19.7		64.7		4.4	4.4	11.5			0.006	
06-08-21	Mid-Ebb	CEA	Cloudy	Rough	3.9	Bottom	0.2	252	29.4		7.8		19.7		64.6		4.4	4.4	11.5			0.006	
06-08-21	Mid-Ebb	CF	Cloudy	Rough	15.3	Surface	0.5	184	28.7		8.0		21.7		93.6		6.4		2.7		0.016		
06-08-21	Mid-Ebb	CF	Cloudy	Rough	15.3	Surface	0.5	189	28.7		8.0		21.7		93.6		6.4		2.7		0.014		
06-08-21	Mid-Ebb	CF	Cloudy	Rough	15.3	Middle	0.6	187	27.2		7.9		29.5		58.0		3.9	5.2	2.5		3.3	0.010	
06-08-21	Mid-Ebb	CF	Cloudy	Rough	15.3	Middle	0.7	199	27.2		7.9		29.5		57.9		3.9	5.2	2.5			0.008	
06-08-21	Mid-Ebb	CF	Cloudy	Rough	15.3	Bottom	0.4	157	26.8		7.8		30.4		53.5		3.6	3.6	4.7			0.006	
06-08-21	Mid-Ebb	CF	Cloudy	Rough	15.3	Bottom	0.4	169	26.8		7.8		30.4		53.5		3.6	3.6	4.7			0.004	
06-08-21	Mid-Ebb	SR3A	Cloudy	Rough	6.7	Surface	0.1	234	29.6		7.8		18.4		79.7		5.5		10.6		0.008		
06-08-21	Mid-Ebb	SR3A	Cloudy	Rough	6.7	Surface	0.1	254	29.6		7.8		18.4		79.6		5.5		10.6		0.010		
06-08-21	Mid-Ebb	SR3A	Cloudy	Rough	6.7	Middle	0.1	235	29.5		7.8		19.3		72.3		5.0	5.2	11.2		11.3	0.007	
06-08-21	Mid-Ebb	SR3A	Cloudy	Rough	6.7	Middle	0.1	247	29.5		7.8		19.3		72.2		5.0	5.2	11.3			0.006	
06-08-21	Mid-Ebb	SR3A	Cloudy	Rough	6.7	Bottom	0.0	230	27.7		7.8		28.4		50.1		3.4	3.4	12.2			0.003	
06-08-21	Mid-Ebb	SR3A	Cloudy	Rough	6.7	Bottom	0.0	235	27.7		7.8		28.4		50.2		3.4	3.4	12.2			0.002	
06-08-21	Mid-Ebb	SR5A	Cloudy	Rough	6.1	Surface	0.4	213	29.8		7.9		19.9		87.5		6.0		4.5		0.017		
06-08-21	Mid-Ebb	SR5A	Cloudy	Rough	6.1	Surface	0.4	225	29.8		7.9		19.9		87.6		6.0		4.5		0.016		
06-08-21	Mid-Ebb	SR5A	Cloudy	Rough	6.1	Middle	0.4	188	29.1		8.0		21.0		103.0		7.0	6.5	2.1		3.8	0.012	
06-08-21	Mid-Ebb	SR5A	Cloudy	Rough	6.1	Middle	0.5	201	29.1		8.0		21.0		103.0		7.0	6.5	2.1			0.010	
06-08-21	Mid-Ebb	SR5A	Cloudy	Rough	6.1	Bottom	0.4	213	28.1		7.9		26.2		64.0		4.3	4.3	4.8			0.006	
06-08-21	Mid-Ebb	SR5A	Cloudy	Rough	6.1	Bottom	0.4	225	28.1		7.9		26.2		64.4		4.4	4.3	4.8			0.005	
06-08-21	Mid-Ebb	SR7	Cloudy	Rough	17.8	Surface	0.1	22	28.9		8.0		22.3		84.6		5.8		4.0		8.3	0.016	
06-08-21	Mid-Ebb	SR7	Cloudy	Rough	17.8	Surface	0.1	24	28.9		8.0		22.4		84.4		5.7		4.0			0.014	
06-08-21	Mid-Ebb	SR7	Cloudy	Rough	17.8	Middle	0.0	114	28.5		7.9		23.8		77.6		5.3	5.5	7.4			0.010	
06-08-21	Mid-Ebb	SR7	Cloudy	Rough	17.8	Middle	0.0	123	28.5		7.9		23.8		77.5		5.3	5.5	7.3			0.009	
06-08-21	Mid-Ebb	SR7	Cloudy	Rough	17.8	Bottom	0.0	161	28.3		7.9		25.2		66.9		4.5	4.5	13.6			0.007	
06-08-21	Mid-Ebb	SR7	Cloudy	Rough	17.8	Bottom	0.0	170	28.3		7.9		25.2		66.9		4.5	4.5	13.6			0.005	
06-08-21	Mid-Ebb	SR14A	Cloudy	Rough	3.4	Surface	0.3	213	29.3		7.9		19.4		85.9		5.9		4.8		7.8	0.014	
06-08-21	Mid-Ebb	SR14A	Cloudy	Rough	3.4	Surface	0.3	220	29.3		7.9		19.4		85.9		5.9		4.7			0.011	
06-08-21	Mid-Ebb	SR14A	Cloudy	Rough	3.4	Middle				29.2		7.8		20.3		81.5		5.9		4.7			0.008
06-08-21	Mid-Ebb	SR14A	Cloudy	Rough	3.4	Middle						7.8					5.3		10.6			0.004	
06-08-21	Mid-Ebb	SR14A	Cloudy	Rough	3.4	Bottom	0.2	202	29.1		7.8		21.2		77.3		5.3	5.3	11.0			0.002	
06-08-21	Mid-Ebb	SR14A	Cloudy	Rough	3.4	Bottom	0.2	205	29.0		7.8		21.3		76.8		5.3	5.3	11.0			0.002	
06-08-21	Mid-Flood	CEA	Cloudy	Rough	3.2	Surface	0.4	68	29.8		7.9		14.5		98.4		6.7		7.0		10.2	0.015	
06-08-21	Mid-Flood	CEA	Cloudy	Rough	3.2	Surface	0.4	63	29.8		7.9		14.5		98.2		6.7		6.9			0.014	
06-08-21	Mid-Flood	CEA	Cloudy	Rough	3.2	Middle				29.7		7.8		16.2				6.7		6.9			0.011
06-08-21	Mid-Flood	CEA	Cloudy	Rough	3.2	Middle						7.8					5.0		13.4			0.006	
06-08-21	Mid-Flood	CEA	Cloudy	Rough	3.2	Bottom	0.2	51	29.5		7.8		17.8		72.3		5.0	5.0	13.6			0.008	
06-08-21	Mid-Flood	CEA	Cloudy	Rough	3.2	Bottom	0.3	57	29.5		7.8		17.8		72.2		5.0	5.0	13.6			0.008	
06-08-21	Mid-Flood	CF	Cloudy	Rough	15.8	Surface	1.0	15	29.5		7.9		18.3		86.3		5.9		2.9		4.5	0.018	
06-08-21	Mid-Flood	CF	Cloudy	Rough	15.8	Surface	1.0	16	29.5		7.9		18.3		86.1		5.9		2.9			0.016	
06-08-21	Mid-Flood	CF	Cloudy	Rough	15.8	Middle	0.9	15	27.1		7.8		29.3		47.9		3.2	4.6	5.2			0.011	
06-08-21	Mid-Flood	CF	Cloudy	Rough	15.8	Middle	1.0	15	27.1		7.8		29.3		48.0		3.2	4.6	5.2			0.009	
06-08-21	Mid-Flood	CF	Cloudy	Rough	15.8	Bottom	0.2	15	27.0		7.8		29.6		48.0		3.2	3.2	5.3			0.004	
06-08-21	Mid-Flood	CF	Cloudy	Rough	15.8	Bottom	0.2	15	27.0		7.8		29.7		48.0		3.2	3.2	5.4			0.005	
06-08-21	Mid-Flood	SR3A	Cloudy	Rough	6.1	Surface	0.1	38	29.6		7.8		17.5		82.7		5.7		9.6		7.6	0.019	
06-08-21	Mid-Flood	SR3A	Cloudy	Rough	6.1	Surface	0.1	39	29.6		7.8		17.5		82.7		5.7		9.6			0.018	
06-08-21	Mid-Flood	SR3A	Cloudy	Rough	6.1	Middle	0.1	8	29.4		7.8		19.3		75.3		5.2	5.4	6.2			0.012	
06-08-21	Mid-Flood	SR3A	Cloudy	Rough	6.1	Middle	0.1	8	29.4		7.8		19.2		75.3		5.2	5.4	6.2			0.010	
06-08-21	Mid-Flood	SR3A	Cloudy	Rough	6.1	Bottom	0.1	40	28.7		7.8		23.4		60.1		4.1	4.1	7.1			0.007	
06-08-21	Mid-Flood	SR3A	Cloudy	Rough	6.1	Bottom	0.1	41	28.7		7.8		23.4		60.3		4.1	4.1	7.1			0.005	
06-08-21	Mid-Flood	SR5A	Cloudy	Rough	6.0	Surface	0.1	277	29.2		8.0		22.3		89.6		6.0		9.0		8.1	0.012	
06-08-21	Mid-Flood	SR5A	Cloudy	Rough	6.0	Surface	0.1	280	29.2		8.0		22.3		89.4		6.0		9.0			0.010	
06-08-21	Mid-Flood	SR5A	Cloudy	Rough	6.0	Middle	0.1	253	28.8		7.9		23.3		81.5		5.5	5.8	8.6			0.007	
06-08-21	Mid-Flood	SR5A	Cloudy	Rough	6.0	Middle	0.1	278	28.8		7.9		23.3		81.5		5.5	5.8	8.6			0.006	
06-08-21	Mid-Flood	SR5A	Cloudy	Rough	6.0	Bottom	0.1	273	28.4		7.9		24.8		69.9		4.7	4.7	6.6			0.005	
06-08-21	Mid-Flood	SR5A	Cloudy	Rough	6.0	Bottom	0.1	297	28.4		7.9		24.8		70.0		4.7	4.7	6.6			0.002	
06-08-21	Mid-Flood	SR7	Cloudy	Rough	14.2	Surface	1.0	17	29.5		7.9		18.0		84.9		5.8		2.9		4.0	0.015	
06-08-21	Mid-Flood	SR7	Cloudy	Rough																			

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH Value	pH Depth-averaged	Salinity ppt Value	Salinity ppt Depth-averaged	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
11-08-21	Mid-Ebb	CEA	Sunny	Moderate	5.8	Surface	0.3	227	30.0		7.7		21.4		74.4		5.0		3.6		0.015	
11-08-21	Mid-Ebb	CEA	Sunny	Moderate	5.8	Surface	0.3	233	30.0		7.7		21.4		74.4		5.0		3.6		0.013	
11-08-21	Mid-Ebb	CEA	Sunny	Moderate	5.8	Middle				29.7		7.7										
11-08-21	Mid-Ebb	CEA	Sunny	Moderate	5.8	Middle																
11-08-21	Mid-Ebb	CEA	Sunny	Moderate	5.8	Bottom	0.2	229	29.4		7.7		21.9		72.3		4.9		6.2		0.008	
11-08-21	Mid-Ebb	CEA	Sunny	Moderate	5.8	Bottom	0.2	251	29.4		7.7		21.9		72.4		4.9	4.9	6.2		0.005	
11-08-21	Mid-Ebb	CF	Sunny	Moderate	17.3	Surface	0.8	139	29.1		7.9		23.7		97.3		6.6		3.6		0.012	
11-08-21	Mid-Ebb	CF	Sunny	Moderate	17.3	Surface	0.8	150	29.1		7.9		23.7		97.4		6.6		3.6		0.010	
11-08-21	Mid-Ebb	CF	Sunny	Moderate	17.3	Middle	0.6	146	28.4		7.8		25.3		72.3		4.9		5.8		0.009	
11-08-21	Mid-Ebb	CF	Sunny	Moderate	17.3	Middle	0.6	147	28.4		7.8		25.3		72.2		4.9		6.0		0.007	
11-08-21	Mid-Ebb	CF	Sunny	Moderate	17.3	Bottom	0.3	128	28.0		7.8		26.4		66.5		4.5		6.2		0.005	
11-08-21	Mid-Ebb	CF	Sunny	Moderate	17.3	Bottom	0.3	133	28.0		7.8		26.4		66.5		4.5	4.5	6.2		0.002	
11-08-21	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Surface	0.2	240	30.6		7.7		21.5		80.4		5.4		5.3		0.019	
11-08-21	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Surface	0.2	252	30.6		7.7		21.5		80.4		5.4		5.3		0.018	
11-08-21	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Middle	0.2	240	30.2		7.7		22.4		77.1		5.1		7.2		0.015	
11-08-21	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Middle	0.2	254	30.2		7.7		22.4		77.1		5.1		7.3		0.013	
11-08-21	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Bottom	0.0	18	28.2		7.8		26.3		60.5		4.1		5.3		0.008	
11-08-21	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Bottom	0.0	18	28.2		7.8		26.3		60.5		4.1	4.1	5.3		0.004	
11-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.2	Surface	0.1	351	29.5		7.8		23.9		83.7		5.6		5.7		0.018	
11-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.2	Surface	0.1	323	29.4		7.8		23.9		83.7		5.6		5.8		0.015	
11-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.2	Middle	0.1	321	29.1		7.8		24.4		82.5		5.5		5.6		0.012	
11-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.2	Middle	0.1	328	29.1		7.8		24.4		82.5		5.5		5.6		0.010	
11-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.2	Bottom	0.1	325	28.8		7.8		25.2		73.2		4.9		9.3		0.006	
11-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.2	Bottom	0.1	338	28.8		7.8		25.2		73.3		4.9	4.9	9.3		0.004	
11-08-21	Mid-Ebb	SR7	Sunny	Moderate	16.6	Surface	0.6	164	29.2		7.9		23.5		84.5		5.7		5.4		0.017	
11-08-21	Mid-Ebb	SR7	Sunny	Moderate	16.6	Surface	0.6	175	29.2		7.9		23.5		84.2		5.7		5.4		0.014	
11-08-21	Mid-Ebb	SR7	Sunny	Moderate	16.6	Middle	0.4	183	28.2		7.8		25.7		70.5		4.8		4.8		0.007	
11-08-21	Mid-Ebb	SR7	Sunny	Moderate	16.6	Middle	0.4	186	28.2		7.8		25.7		70.5		4.8		4.8		0.006	
11-08-21	Mid-Ebb	SR7	Sunny	Moderate	16.6	Bottom	0.5	172	27.8		7.8		26.8		64.6		4.4		5.4		0.005	
11-08-21	Mid-Ebb	SR7	Sunny	Moderate	16.6	Bottom	0.5	179	27.8		7.8		26.8		64.4		4.4	4.4	5.4		0.004	
11-08-21	Mid-Ebb	SR14A	Sunny	Moderate	5.5	Surface	0.3	208	29.4		7.7		22.4		76.3		5.2		3.7		0.015	
11-08-21	Mid-Ebb	SR14A	Sunny	Moderate	5.5	Surface	0.3	212	29.4		7.7		22.4		76.3		5.2		3.7		0.014	
11-08-21	Mid-Ebb	SR14A	Sunny	Moderate	5.5	Middle				29.0		7.7										
11-08-21	Mid-Ebb	SR14A	Sunny	Moderate	5.5	Middle																
11-08-21	Mid-Ebb	SR14A	Sunny	Moderate	5.5	Bottom	0.3	203	28.6		7.8		24.2		69.0		4.7		10.0		0.005	
11-08-21	Mid-Ebb	SR14A	Sunny	Moderate	5.5	Bottom	0.3	207	28.6		7.8		24.2		69.1		4.7	4.7	9.9		0.003	
11-08-21	Mid-Flood	CEA	Cloudy	Rough	4.1	Surface	0.4	31	29.0		7.7		21.9		70.5		4.8		6.5		0.015	
11-08-21	Mid-Flood	CEA	Cloudy	Rough	4.1	Surface	0.4	32	29.0		7.7		21.9		70.5		4.8		6.5		0.012	
11-08-21	Mid-Flood	CEA	Cloudy	Rough	4.1	Middle				29.0		7.7										
11-08-21	Mid-Flood	CEA	Cloudy	Rough	4.1	Middle																
11-08-21	Mid-Flood	CEA	Cloudy	Rough	4.1	Bottom	0.3	22	28.9		7.7		22.3		68.6		4.7		4.8		0.003	
11-08-21	Mid-Flood	CEA	Cloudy	Rough	4.1	Bottom	0.3	23	28.9		7.7		22.3		68.7		4.7	4.7	4.8		0.002	
11-08-21	Mid-Flood	CF	Rainy	Rough	19.8	Surface	0.4	359	28.4		7.7		24.3		67.7		4.6		5.2		0.020	
11-08-21	Mid-Flood	CF	Rainy	Rough	19.8	Surface	0.4	330	28.4		7.7		24.3		67.6		4.6		5.2		0.019	
11-08-21	Mid-Flood	CF	Rainy	Rough	19.8	Middle	0.5	3	27.9		7.7		26.8		63.1		4.3		8.9		0.016	
11-08-21	Mid-Flood	CF	Rainy	Rough	19.8	Middle	0.6	3	27.9		7.7		26.8		63.0		4.3		8.8		0.014	
11-08-21	Mid-Flood	CF	Rainy	Rough	19.8	Bottom	0.6	341	27.2		7.7		28.4		56.0		3.8		5.6		0.007	
11-08-21	Mid-Flood	CF	Rainy	Rough	19.8	Bottom	0.6	314	27.2		7.7		28.4		56.0		3.8	3.8	5.7		0.005	
11-08-21	Mid-Flood	SR3A	Cloudy	Rough	7.4	Surface	0.3	94	29.5		7.7		22.3		71.5		4.8		8.6		0.018	
11-08-21	Mid-Flood	SR3A	Cloudy	Rough	7.4	Surface	0.3	101	29.5		7.7		22.3		71.5		4.8		8.7		0.016	
11-08-21	Mid-Flood	SR3A	Cloudy	Rough	7.4	Middle	0.3	86	29.3		7.7		22.5		70.7		4.8		10.8		0.010	
11-08-21	Mid-Flood	SR3A	Cloudy	Rough	7.4	Middle	0.3	92	29.3		7.7		22.5		70.7		4.8		10.7		0.008	
11-08-21	Mid-Flood	SR3A	Cloudy	Rough	7.4	Bottom	0.3	99	29.2		7.7		22.9		69.7		4.7		6.3		0.006	
11-08-21	Mid-Flood	SR3A	Cloudy	Rough	7.4	Bottom	0.3	106	29.2		7.7		22.9		69.8		4.7	4.7	6.3		0.004	
11-08-21	Mid-Flood	SR5A	Rainy	Rough	6.1	Surface	0.3	317	28.9		7.8		23.3		73.5		5.0		3.4		0.015	
11-08-21	Mid-Flood	SR5A	Rainy	Rough	6.1	Surface	0.3	339	28.9		7.8		23.3		73.5		5.0		3.4		0.012	
11-08-21	Mid-Flood	SR5A	Rainy	Rough	6.1	Middle	0.2	305	28.7		7.7		24.1		68.2		4.6		4.1		0.006	
11-08-21	Mid-Flood	SR5A	Rainy	Rough	6.1	Middle	0.2	333	28.7		7.7		24.1		68.1		4.6		4.2		0.005	
11-08-21	Mid-Flood	SR5A	Rainy	Rough	6.1	Bottom	0.1	282	28.7		7.7		24.3		64.2		4.3		3.6		0.002	
11-08-21	Mid-Flood	SR5A	Rainy	Rough	6.1	Bottom	0.1	282	28.7		7.7		24.3		64.2		4.3	4.3	3.6		0.003	
11-08-21	Mid-Flood	SR7	Rainy	Rough	18.3	Surface	0.4	356	28.9		7.8		21.4		75.2		5.2		2.8		0.016	
11-08-21	Mid-Flood	SR7	Rainy	Rough	18.3	Surface	0.4	328	28.9		7.8		21.4		75.1		5.1		2.8		0.014	
11-08-21	Mid-Flood	SR7	Rainy	Rough	18.3	Middle	0.6	0	27.6		7.8		27.5		60.5							

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
18-08-21	Mid-Ebb	CEA	Fine	Moderate	4.5	Surface	0.5	200	30.3		7.8		16.0		95.1		6.6		6.6		0.019	
18-08-21	Mid-Ebb	CEA	Fine	Moderate	4.5	Surface	0.5	205	30.3		7.8		16.0		95.1		6.6		6.6		0.018	
18-08-21	Mid-Ebb	CEA	Fine	Moderate	4.5	Middle				30.3	7.8	7.8	16.0	16.0	94.6	94.6	6.5	6.5	3.9	3.9	0.008	0.012
18-08-21	Mid-Ebb	CEA	Fine	Moderate	4.5	Middle					7.8	7.8	16.1	16.0	94.1	94.1	6.5	6.5	4.0	4.0	0.008	0.012
18-08-21	Mid-Ebb	CEA	Fine	Moderate	4.5	Bottom	0.4	211	30.2		7.8		16.0		94.1		6.5	6.5	3.9	3.9	0.008	0.012
18-08-21	Mid-Ebb	CEA	Fine	Moderate	4.5	Bottom	0.4	222	30.2		7.8		16.0		94.1		6.5	6.5	4.0	4.0	0.008	0.012
18-08-21	Mid-Ebb	CF	Fine	Moderate	12.6	Surface	0.7	198	29.0		7.9		18.9		96.6		6.7	6.2	3.6	3.6	0.018	0.011
18-08-21	Mid-Ebb	CF	Fine	Moderate	12.6	Surface	0.7	199	29.0		7.9		18.9		96.5		6.7	6.2	3.7	3.7	0.017	0.011
18-08-21	Mid-Ebb	CF	Fine	Moderate	12.6	Middle	0.6	201	28.4	27.8	7.8	7.8	21.2	23.2	82.8	77.2	5.7	6.2	2.9	2.9	0.012	0.011
18-08-21	Mid-Ebb	CF	Fine	Moderate	12.6	Middle	0.6	220	28.3		7.8	7.8	21.2		83.0		5.8	6.2	2.9	2.9	0.014	0.011
18-08-21	Mid-Ebb	CF	Fine	Moderate	12.6	Bottom	0.7	213	26.1		7.7		29.5		52.1		3.6	3.6	5.6	5.6	0.005	0.009
18-08-21	Mid-Ebb	CF	Fine	Moderate	12.6	Bottom	0.7	218	26.1		7.7		29.5		52.1		3.6	3.6	5.6	5.6	0.002	0.009
18-08-21	Mid-Ebb	SR3A	Fine	Moderate	6.9	Surface	0.4	277	30.9		7.8		17.5		90.6		6.1	5.9	3.1	3.1	0.016	0.009
18-08-21	Mid-Ebb	SR3A	Fine	Moderate	6.9	Surface	0.4	279	30.9		7.8		17.5		90.5		6.1	5.9	3.1	3.1	0.015	0.009
18-08-21	Mid-Ebb	SR3A	Fine	Moderate	6.9	Middle	0.5	254	30.5	29.7	7.8	7.8	18.1	20.3	84.1	77.3	5.7	6.2	5.0	5.0	0.009	0.009
18-08-21	Mid-Ebb	SR3A	Fine	Moderate	6.9	Middle	0.5	256	30.5		7.8	7.8	18.1		84.0		5.7	6.2	5.0	5.0	0.008	0.009
18-08-21	Mid-Ebb	SR3A	Fine	Moderate	6.9	Bottom	0.5	270	27.7		7.7		25.3		57.1		3.9	3.9	6.2	6.2	0.003	0.009
18-08-21	Mid-Ebb	SR3A	Fine	Moderate	6.9	Bottom	0.5	268	27.7		7.7		25.3		57.3		3.9	3.9	6.2	6.2	0.002	0.009
18-08-21	Mid-Ebb	SR5A	Fine	Moderate	7.5	Surface	0.4	188	29.2		7.9		19.4		92.6		6.4	6.1	5.0	5.0	0.016	0.011
18-08-21	Mid-Ebb	SR5A	Fine	Moderate	7.5	Surface	0.4	190	29.1		7.9		19.4		92.4		6.4	6.1	5.0	5.0	0.014	0.011
18-08-21	Mid-Ebb	SR5A	Fine	Moderate	7.5	Middle	0.5	187	28.8	28.8	7.9	7.9	20.5	20.9	83.7	83.2	5.8	6.1	6.7	6.7	0.013	0.011
18-08-21	Mid-Ebb	SR5A	Fine	Moderate	7.5	Middle	0.5	179	28.8		7.9	7.9	20.5		83.5		5.8	6.1	6.9	6.9	0.011	0.011
18-08-21	Mid-Ebb	SR5A	Fine	Moderate	7.5	Bottom	0.5	192	28.3		7.8		22.7		73.5		5.1	5.1	10.0	10.0	0.006	0.011
18-08-21	Mid-Ebb	SR5A	Fine	Moderate	7.5	Bottom	0.5	197	28.3		7.8		22.7		73.6		5.1	5.1	9.9	9.9	0.004	0.011
18-08-21	Mid-Ebb	SR7	Fine	Moderate	11.4	Surface	0.7	210	29.1		7.9		18.5		97.4		6.8	6.5	2.8	2.8	0.019	0.011
18-08-21	Mid-Ebb	SR7	Fine	Moderate	11.4	Surface	0.7	222	29.1		7.9		18.5		97.3		6.8	6.5	2.8	2.8	0.017	0.011
18-08-21	Mid-Ebb	SR7	Fine	Moderate	11.4	Middle	0.6	213	28.7	28.6	7.9	7.9	19.1	20.3	89.4	87.5	6.2	6.5	2.7	2.7	0.012	0.011
18-08-21	Mid-Ebb	SR7	Fine	Moderate	11.4	Middle	0.6	208	28.7		7.9	7.9	19.1		89.3		6.2	6.5	2.8	2.8	0.011	0.011
18-08-21	Mid-Ebb	SR7	Fine	Moderate	11.4	Bottom	0.5	207	27.9		7.8		23.4		75.7		5.2	5.2	4.3	4.3	0.005	0.011
18-08-21	Mid-Ebb	SR7	Fine	Moderate	11.4	Bottom	0.5	221	27.9		7.8		23.4		75.9		5.2	5.2	4.4	4.4	0.003	0.011
18-08-21	Mid-Ebb	SR14A	Fine	Moderate	4.1	Surface	0.4	221	30.4		7.7		17.4		90.7		6.2	6.2	8.2	8.2	0.016	0.011
18-08-21	Mid-Ebb	SR14A	Fine	Moderate	4.1	Surface	0.4	223	30.4		7.7		17.4		90.6		6.2	6.2	8.2	8.2	0.013	0.011
18-08-21	Mid-Ebb	SR14A	Fine	Moderate	4.1	Middle				30.3	7.7	7.7	17.5	17.5	89.9	89.9	6.1	6.2	9.1	9.1	0.009	0.011
18-08-21	Mid-Ebb	SR14A	Fine	Moderate	4.1	Middle					7.7	7.7	17.5		89.3		6.1	6.2	9.1	9.1	0.005	0.011
18-08-21	Mid-Ebb	SR14A	Fine	Moderate	4.1	Bottom	0.4	220	30.2		7.7		17.5		89.1		6.1	6.1	9.1	9.1	0.009	0.011
18-08-21	Mid-Ebb	SR14A	Fine	Moderate	4.1	Bottom	0.4	217	30.2		7.7		17.5		89.3		6.1	6.1	9.1	9.1	0.005	0.011
18-08-21	Mid-Flood	CEA	Sunny	Moderate	3.9	Surface	0.4	38	30.6		7.8		15.7		100.7		6.9	6.9	3.0	3.0	0.017	0.012
18-08-21	Mid-Flood	CEA	Sunny	Moderate	3.9	Surface	0.4	40	30.6		7.8		15.7		100.7		6.9	6.9	3.1	3.1	0.014	0.012
18-08-21	Mid-Flood	CEA	Sunny	Moderate	3.9	Middle				30.5	7.8	7.8	15.8	15.8	98.9	98.9	6.7	6.9	5.4	5.4	0.009	0.012
18-08-21	Mid-Flood	CEA	Sunny	Moderate	3.9	Middle					7.8	7.8	15.8		97.0		6.7	6.9	5.4	5.4	0.008	0.012
18-08-21	Mid-Flood	CEA	Sunny	Moderate	3.9	Bottom	0.4	20	30.4		7.8		15.8		97.1		6.7	6.9	5.4	5.4	0.009	0.012
18-08-21	Mid-Flood	CEA	Sunny	Moderate	3.9	Bottom	0.4	22	30.4		7.8		15.8		97.1		6.7	6.9	5.4	5.4	0.008	0.012
18-08-21	Mid-Flood	CF	Sunny	Moderate	11.2	Surface	0.8	17	29.8		8.0		15.0		106.5		7.4	5.9	4.0	4.0	0.015	0.009
18-08-21	Mid-Flood	CF	Sunny	Moderate	11.2	Surface	0.8	18	29.8		8.0		15.0		106.3		7.4	5.9	4.0	4.0	0.014	0.009
18-08-21	Mid-Flood	CF	Sunny	Moderate	11.2	Middle	0.4	16	27.4	28.0	7.8	7.9	24.8	22.3	64.8	77.1	4.5	5.9	4.1	4.1	0.010	0.009
18-08-21	Mid-Flood	CF	Sunny	Moderate	11.2	Middle	0.4	17	27.4		7.8	7.8	24.8		64.8		4.5	5.9	4.2	4.2	0.008	0.009
18-08-21	Mid-Flood	CF	Sunny	Moderate	11.2	Bottom	0.8	323	26.8		7.8		27.0		60.2		4.1	4.1	4.9	4.9	0.003	0.009
18-08-21	Mid-Flood	CF	Sunny	Moderate	11.2	Bottom	0.8	334	26.8		7.8		27.1		60.2		4.1	4.1	4.9	4.9	0.002	0.009
18-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.1	Surface	0.3	25	29.7		7.9		13.6		93.9		6.6	5.7	4.0	4.0	0.016	0.010
18-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.1	Surface	0.3	27	29.7		7.9		13.6		93.9		6.6	5.7	4.0	4.0	0.015	0.010
18-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.1	Middle	0.4	45	28.0	28.4	7.8	7.8	21.9	20.1	68.2	74.6	4.7	5.7	4.1	4.1	0.009	0.010
18-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.1	Middle	0.4	46	28.0		7.8	7.8	21.9		68.2		4.7	5.7	4.1	4.1	0.008	0.010
18-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.1	Bottom	0.4	76	27.4		7.7		24.8		61.5		4.2	4.2	4.4	4.4	0.005	0.010
18-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.1	Bottom	0.4	82	27.4		7.7		24.7		61.6		4.2	4.2	4.5	4.5	0.004	0.010
18-08-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Surface	0.4	340	29.9		8.0		12.9		97.4		6.9	5.7	3.7	3.7	0.019	0.014
18-08-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Surface	0.4	351	29.9		8.0		12.8		97.3		6.9	5.7	3.7	3.7	0.018	0.014
18-08-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Middle	0.3	257	28.0	28.3	7.8	7.8	22.2	20.6	66.8	73.5	4.6	5.7	4.1	4.1	0.016	

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value		Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value
25-08-21	Mid-Ebb	CEA	Sunny	Calm	4.7	Surface	0.3	224	29.9		7.8		18.8		74.1		5.1		9.3		0.025	
25-08-21	Mid-Ebb	CEA	Sunny	Calm	4.7	Surface	0.3	231	29.8		7.8		18.8		73.9		5.1		9.4		0.018	
25-08-21	Mid-Ebb	CEA	Sunny	Calm	4.7	Middle				29.6	7.8											
25-08-21	Mid-Ebb	CEA	Sunny	Calm	4.7	Middle																
25-08-21	Mid-Ebb	CEA	Sunny	Calm	4.7	Bottom	0.2	225	29.3		7.8		19.2		71.5		4.9	4.9	17.7		0.001	
25-08-21	Mid-Ebb	CEA	Sunny	Calm	4.7	Bottom	0.2	242	29.3		7.8		19.2		71.6		4.9	4.9	17.8		0.006	
25-08-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Surface	0.9	154	28.8		7.9		21.4		74.2		5.1	5.1	7.4		0.022	
25-08-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Surface	0.9	165	28.8		7.9		21.4		73.9		5.1	4.7	7.5		0.018	
25-08-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Middle	0.6	150	27.0		7.8		24.2		61.9		4.3	4.7	20.8		0.005	
25-08-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Middle	0.6	163	26.8		7.8		24.3		61.9		4.3	4.2	21.3		0.008	
25-08-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Bottom	0.4	153	26.0		7.9		26.7		59.7		4.2	4.2	27.4		0.002	
25-08-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Bottom	0.4	162	26.0		7.9		26.6		60.1		4.2	4.2	23.8		0.003	
25-08-21	Mid-Ebb	SR3A	Sunny	Calm	6.8	Surface	0.2	250	30.7		7.8		19.4		80.9		5.4	5.2	7.8		0.035	
25-08-21	Mid-Ebb	SR3A	Sunny	Calm	6.8	Surface	0.2	259	30.7		7.8		19.4		80.9		5.4	5.2	7.8		0.024	
25-08-21	Mid-Ebb	SR3A	Sunny	Calm	6.8	Middle	0.2	253	30.2		7.8		19.6		74.8		5.1	5.2	10.9		0.010	
25-08-21	Mid-Ebb	SR3A	Sunny	Calm	6.8	Middle	0.2	255	30.2		7.8		19.6		74.7		5.1	5.2	11.1		0.005	
25-08-21	Mid-Ebb	SR3A	Sunny	Calm	6.8	Bottom	0.0	313	27.7		7.8		23.0		62.9		4.4	4.4	12.9		0.002	
25-08-21	Mid-Ebb	SR3A	Sunny	Calm	6.8	Bottom	0.0	315	27.7		7.8		23.0		62.9		4.4	4.4	13.1		0.003	
25-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.0	Surface	0.0	61	28.1		7.8		22.6		71.5		4.9	4.7	11.2		0.037	
25-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.0	Surface	0.0	61	28.0		7.8		22.7		71.4		4.9	4.7	11.9		0.030	
25-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.0	Middle	0.0	90	27.7		7.8		23.5		65.3		4.5	4.7	16.7		0.001	
25-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.0	Middle	0.0	98	27.7		7.8		23.5		65.3		4.5	4.7	17.1		0.002	
25-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.0	Bottom	0.1	50	27.7		7.9		23.6		67.9		4.7	4.7	22.6		0.007	
25-08-21	Mid-Ebb	SR5A	Sunny	Moderate	7.0	Bottom	0.1	51	27.7		7.9		23.6		68.2		4.7	4.7	22.4		0.002	
25-08-21	Mid-Ebb	SR7	Sunny	Moderate	17.5	Surface	0.7	147	29.4		7.9		20.6		81.6		5.6	5.1	7.2		0.017	
25-08-21	Mid-Ebb	SR7	Sunny	Moderate	17.5	Surface	0.7	160	29.3		7.9		20.7		81.2		5.6	5.1	7.3		0.023	
25-08-21	Mid-Ebb	SR7	Sunny	Moderate	17.5	Middle	0.6	167	27.5		7.9		23.1		65.4		4.5	4.7	9.3		0.006	
25-08-21	Mid-Ebb	SR7	Sunny	Moderate	17.5	Middle	0.6	166	27.5		7.9		23.1		65.4		4.5	4.7	9.3		0.008	
25-08-21	Mid-Ebb	SR7	Sunny	Moderate	17.5	Bottom	0.5	157	27.1		7.9		24.1		66.6		4.6	4.6	21.1		0.002	
25-08-21	Mid-Ebb	SR7	Sunny	Moderate	17.5	Bottom	0.6	158	27.2		7.9		24.1		67.0		4.7	4.6	19.7		0.002	
25-08-21	Mid-Ebb	SR14A	Sunny	Calm	4.9	Surface	0.3	230	29.4		7.8		20.0		76.8		5.3	5.3	7.6		0.036	
25-08-21	Mid-Ebb	SR14A	Sunny	Calm	4.9	Surface	0.3	250	29.4		7.8		20.0		76.8		5.3	5.3	7.7		0.032	
25-08-21	Mid-Ebb	SR14A	Sunny	Calm	4.9	Middle				29.0	7.8											
25-08-21	Mid-Ebb	SR14A	Sunny	Calm	4.9	Middle																
25-08-21	Mid-Ebb	SR14A	Sunny	Calm	4.9	Bottom	0.3	227	28.6		7.8		21.0		73.1		5.0	5.0	14.2		0.003	
25-08-21	Mid-Ebb	SR14A	Sunny	Calm	4.9	Bottom	0.3	240	28.6		7.8		21.0		73.2		5.0	5.0	14.1		0.002	
25-08-21	Mid-Flood	CEA	Sunny	Moderate	4.3	Surface	0.5	321	28.2		7.9		21.6		72.5		5.0	5.0	4.9		0.020	
25-08-21	Mid-Flood	CEA	Sunny	Moderate	4.3	Surface	0.5	330	28.2		7.9		21.6		72.2		5.0	5.0	5.3		0.013	
25-08-21	Mid-Flood	CEA	Sunny	Moderate	4.3	Middle				28.0	7.9											
25-08-21	Mid-Flood	CEA	Sunny	Moderate	4.3	Middle																
25-08-21	Mid-Flood	CEA	Sunny	Moderate	4.3	Bottom	0.4	318	27.8		7.9		22.6		69.5		4.8	4.8	10.8		0.004	
25-08-21	Mid-Flood	CEA	Sunny	Moderate	4.3	Bottom	0.5	325	27.8		7.9		22.6		69.5		4.8	4.8	11.1		0.001	
25-08-21	Mid-Flood	CF	Sunny	Moderate	16.7	Surface	0.7	349	28.2		7.9		21.0		71.3		5.0	4.7	6.0		0.017	
25-08-21	Mid-Flood	CF	Sunny	Moderate	16.7	Surface	0.7	354	28.2		7.9		20.9		71.5		5.0	4.7	6.3		0.013	
25-08-21	Mid-Flood	CF	Sunny	Moderate	16.7	Middle	0.8	344	27.4		7.9		23.4		64.1		4.5	4.3	9.0			
25-08-21	Mid-Flood	CF	Sunny	Moderate	16.7	Middle	0.8	346	27.4		7.9		23.6		63.7		4.4	4.3	9.0			
25-08-21	Mid-Flood	CF	Sunny	Moderate	16.7	Bottom	0.9	337	26.8		7.9		24.9		62.1		4.3	4.3	39.4		0.003	
25-08-21	Mid-Flood	CF	Sunny	Moderate	16.7	Bottom	1.0	350	26.8		7.8		24.9		62.4		4.3	4.3	37.8		0.002	
25-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.7	Surface	0.5	356	29.0		7.8		19.0		77.0		5.3	5.1	8.0		0.024	
25-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.7	Surface	0.6	328	28.9		7.8		19.0		76.8		5.3	5.1	8.6		0.019	
25-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.7	Middle	0.5	344	28.5		7.8		20.8		70.9		4.9	4.8	11.5		0.005	
25-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.7	Middle	0.6	316	28.5		7.8		21.0		70.7		4.9	4.8	11.4		0.001	
25-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.7	Bottom	0.6	351	28.4		7.8		21.6		70.0		4.8	4.8	10.8		0.003	
25-08-21	Mid-Flood	SR3A	Sunny	Moderate	6.7	Bottom	0.6	357	28.5		7.8		21.5		70.2		4.8	4.8	10.1		0.002	
25-08-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Surface	0.1	259	28.9		7.9		19.0		77.6		5.4	5.2	7.5		0.026	
25-08-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Surface	0.1	261	28.8		7.9		19.0		77.5		5.4	5.2	7.9		0.025	
25-08-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Middle	0.1	187	28.4		7.9		21.0		72.3		5.0	5.1	11.3		0.004	
25-08-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Middle	0.1	196	28.4		7.9		21.1		72.4		5.0	5.1	11.6		0.003	
25-08-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Bottom	0.1	147	28.3		7.9		21.6		73.2		5.1	5.1	12.9		0.002	
25-08-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Bottom	0.1	147	28.3		7.9		21.6		73.5		5.1	5.1	13.0		0.003	
25-08-21	Mid-Flood	SR7	Sunny	Moderate	17.8	Surface	1.0	339	27.5		7.9		23.3		64.7		4.5	4.3	6.3		0.012	
25-08-21	Mid-Flood	SR7	Sunny	Moderate	17.8	Surface	1.1	312	27.5		7.9		23.2		64.7		4.5	4.3	6.2			

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged		Value	Depth-averaged	Value	Depth-averaged	Value
02-09-21	Mid-Ebb	CEA	Sunny	Moderate	4.5	Surface	0.2	211	28.1		7.8		24.9		70.6		4.8		2.2		0.019	
02-09-21	Mid-Ebb	CEA	Sunny	Moderate	4.5	Surface	0.2	226	28.1		7.8		24.9		70.7		4.8	4.8	2.2		0.017	
02-09-21	Mid-Ebb	CEA	Sunny	Moderate	4.5	Middle				27.7	7.8	7.8	26.7	65.0	59.3		4.0	4.0	3.7	2.9	0.005	0.011
02-09-21	Mid-Ebb	CEA	Sunny	Moderate	4.5	Bottom	0.2	214	27.2		7.8		28.4		59.3		4.0	4.0	3.7		0.002	
02-09-21	Mid-Ebb	CEA	Sunny	Moderate	4.5	Bottom	0.2	230	27.2		7.8		28.4		59.3		4.0	4.0	3.7		0.002	
02-09-21	Mid-Ebb	CF	Sunny	Rough	14.8	Surface	0.3	180	27.4		7.8		26.0		75.3		5.2		1.5		0.017	
02-09-21	Mid-Ebb	CF	Sunny	Rough	14.8	Surface	0.3	183	27.4		7.8		26.0		75.2		5.1	4.4	1.6		0.016	
02-09-21	Mid-Ebb	CF	Sunny	Rough	14.8	Middle	0.4	180	26.6	26.4	7.8	7.8	29.4	29.1	54.5	56.7	3.7	4.4	3.8	2.9	0.012	0.011
02-09-21	Mid-Ebb	CF	Sunny	Rough	14.8	Middle	0.4	180	26.6		7.8		29.4		54.3		3.7	4.4	3.8		0.010	
02-09-21	Mid-Ebb	CF	Sunny	Rough	14.8	Bottom	0.4	158	25.1		7.7		31.9		40.4		2.8	2.8	3.4		0.006	
02-09-21	Mid-Ebb	CF	Sunny	Rough	14.8	Bottom	0.4	162	25.1		7.7		31.9		40.6		2.8	2.8	3.4		0.004	
02-09-21	Mid-Ebb	SR3A	Sunny	Moderate	7.1	Surface	0.1	180	28.4		7.7		26.0		61.9		4.2		7.2		0.018	
02-09-21	Mid-Ebb	SR3A	Sunny	Moderate	7.1	Surface	0.2	184	28.3		7.7		26.2		61.7		4.2	4.0	7.2		0.015	
02-09-21	Mid-Ebb	SR3A	Sunny	Moderate	7.1	Middle	0.0	226	27.7	27.6	7.8	7.8	27.5	27.8	55.6	55.9	3.8	4.0	7.8	8.2	0.010	0.010
02-09-21	Mid-Ebb	SR3A	Sunny	Moderate	7.1	Middle	0.0	236	27.6		7.8		27.6		55.5		3.8	4.0	8.0		0.008	
02-09-21	Mid-Ebb	SR3A	Sunny	Moderate	7.1	Bottom	0.1	225	26.8		7.8		29.6		50.1		3.4	3.4	9.6		0.004	
02-09-21	Mid-Ebb	SR3A	Sunny	Moderate	7.1	Bottom	0.1	235	26.8		7.8		29.6		50.3		3.4	3.4	9.6		0.002	
02-09-21	Mid-Ebb	SR5A	Sunny	Rough	6.5	Surface	0.0	132	27.3		7.8		28.2		65.3		4.4		3.2		0.019	
02-09-21	Mid-Ebb	SR5A	Sunny	Rough	6.5	Surface	0.0	153	27.3		7.8		28.2		65.2		4.4	4.3	3.2		0.018	
02-09-21	Mid-Ebb	SR5A	Sunny	Rough	6.5	Middle	0.0	146	27.0	27.0	7.8	7.8	28.9	28.9	62.8	62.6	4.3	4.3	4.2	4.6	0.015	0.014
02-09-21	Mid-Ebb	SR5A	Sunny	Rough	6.5	Middle	0.0	155	27.0		7.8		28.9		62.8		4.3	4.3	4.2		0.013	
02-09-21	Mid-Ebb	SR5A	Sunny	Rough	6.5	Bottom	0.1	127	26.7		7.8		29.5		59.5		4.0	4.0	6.3		0.009	
02-09-21	Mid-Ebb	SR5A	Sunny	Rough	6.5	Bottom	0.1	135	26.7		7.8		29.5		59.7		4.1	4.0	6.3		0.007	
02-09-21	Mid-Ebb	SR7	Sunny	Rough	13.2	Surface	0.2	148	27.5		7.9		25.8		78.1		5.3		1.6		0.016	
02-09-21	Mid-Ebb	SR7	Sunny	Rough	13.2	Surface	0.2	150	27.5		7.9		25.8		78.1		5.3		1.6		0.015	
02-09-21	Mid-Ebb	SR7	Sunny	Rough	13.2	Middle	0.1	114	27.4	27.2	7.9	7.9	26.1	27.0	76.9	71.2	5.3	5.3	1.7	2.2	0.008	0.009
02-09-21	Mid-Ebb	SR7	Sunny	Rough	13.2	Middle	0.1	124	27.4		7.9		26.1		76.9		5.3	5.3	1.7		0.007	
02-09-21	Mid-Ebb	SR7	Sunny	Rough	13.2	Bottom	0.1	114	26.7		7.8		29.0		58.5		4.0	4.0	3.2		0.005	
02-09-21	Mid-Ebb	SR7	Sunny	Rough	13.2	Bottom	0.1	124	26.7		7.8		29.1		58.5		4.0	4.0	3.2		0.002	
02-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.2	Surface	0.2	208	28.1		7.8		25.3		72.8		5.0		1.8		0.014	
02-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.2	Surface	0.2	224	28.1		7.8		25.3		72.7		4.9	4.9	1.8	4.3	0.013	0.010
02-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.2	Middle				27.6	7.8	7.8	26.9	67.5	62.1		4.2	4.2	6.8		0.006	
02-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.2	Middle					7.8		28.5		62.2		4.2	4.2	6.8		0.005	
02-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.2	Bottom	0.2	206	27.1		7.8		28.5		62.1		4.2	4.2	6.8		0.006	
02-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.2	Bottom	0.2	210	27.1		7.8		28.5		62.2		4.2	4.2	6.8		0.005	
02-09-21	Mid-Flood	CEA	Fine	Moderate	3.8	Surface	0.4	63	28.4		7.8		24.0		78.3		5.3		2.1		0.009	
02-09-21	Mid-Flood	CEA	Fine	Moderate	3.8	Surface	0.4	70	28.4		7.8		24.0		78.3		5.3	5.3	2.1	4.0	0.007	0.007
02-09-21	Mid-Flood	CEA	Fine	Moderate	3.8	Middle				27.9	7.8	7.8	26.1	69.1	78.3		4.1	4.1	5.8		0.006	
02-09-21	Mid-Flood	CEA	Fine	Moderate	3.8	Middle					7.8		28.3		59.9		4.1	4.1	5.8		0.004	
02-09-21	Mid-Flood	CEA	Fine	Moderate	3.8	Bottom	0.4	61	27.3		7.8		28.3		59.8		4.1	4.1	5.8		0.006	
02-09-21	Mid-Flood	CEA	Fine	Moderate	3.8	Bottom	0.4	62	27.3		7.8		28.3		59.9		4.1	4.1	5.8		0.004	
02-09-21	Mid-Flood	CF	Fine	Rough	13.9	Surface	0.9	22	27.9		7.9		24.7		77.9		5.3		2.1		0.016	
02-09-21	Mid-Flood	CF	Fine	Rough	13.9	Surface	0.9	22	27.9		7.9		24.7		77.9		5.3	4.4	2.1	3.5	0.014	0.008
02-09-21	Mid-Flood	CF	Fine	Rough	13.9	Middle	0.7	23	26.5	26.7	7.8	7.8	29.2	28.2	52.3	59.5	3.6	4.4	3.1		0.007	
02-09-21	Mid-Flood	CF	Fine	Rough	13.9	Middle	0.7	24	26.4		7.8		29.3		52.2		3.6	4.4	3.1		0.005	
02-09-21	Mid-Flood	CF	Fine	Rough	13.9	Bottom	0.2	19	25.8		7.8		30.7		48.4		3.3	3.3	5.4		0.004	
02-09-21	Mid-Flood	CF	Fine	Rough	13.9	Bottom	0.3	18	25.8		7.8		30.7		48.5		3.3	3.3	5.4		0.002	
02-09-21	Mid-Flood	SR3A	Fine	Moderate	6.1	Surface	0.1	26	29.2		7.7		25.0		64.3		4.3		6.9		0.017	
02-09-21	Mid-Flood	SR3A	Fine	Moderate	6.1	Surface	0.1	27	29.2		7.7		25.0		64.3		4.3	4.0	6.9	7.7	0.015	0.010
02-09-21	Mid-Flood	SR3A	Fine	Moderate	6.1	Middle	0.1	19	28.3	28.2	7.7	7.7	26.3	26.8	55.4	56.7	3.7	4.0	6.5		0.011	
02-09-21	Mid-Flood	SR3A	Fine	Moderate	6.1	Middle	0.1	20	28.3		7.7		26.3		55.4		3.7	4.0	6.6		0.010	
02-09-21	Mid-Flood	SR3A	Fine	Moderate	6.1	Bottom	0.1	22	27.0		7.7		29.2		50.4		3.4	3.4	9.5		0.005	
02-09-21	Mid-Flood	SR3A	Fine	Moderate	6.1	Bottom	0.1	23	27.0		7.7		29.2		50.5		3.4	3.4	9.6		0.003	
02-09-21	Mid-Flood	SR5A	Fine	Rough	6.2	Surface	0.1	346	29.0		7.9		21.6		79.7		5.4		1.9		0.018	
02-09-21	Mid-Flood	SR5A	Fine	Rough	6.2	Surface	0.2	353	29.0		7.9		21.6		79.6		5.4	5.2	1.9	2.9	0.016	0.009
02-09-21	Mid-Flood	SR5A	Fine	Rough	6.2	Middle	0.2	345	27.7	27.8	7.8	7.8	25.4	25.2	72.1	69.4	4.9	5.2	2.2		0.008	
02-09-21	Mid-Flood	SR5A	Fine	Rough	6.2	Middle	0.2	355	27.7		7.8		25.3		71.7		4.9	5.2	2.2		0.005	
02-09-21	Mid-Flood	SR5A	Fine	Rough	6.2	Bottom	0.2	339	26.6		7.8		28.8		56.4		3.9	3.9	4.7		0.004	
02-09-21	Mid-Flood	SR5A	Fine	Rough	6.2	Bottom	0.2	350	26.6		7.8		28.8		56.7		3.9	3.9	4.7		0.003	
02-09-21	Mid-Flood	SR7	Fine	Rough	13.1	Surface	0.9	24	28.4		7.9		23.6		81.3		5.6		2.2		0.019	
02-09-21	Mid-Flood																					

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged					Value	Depth-averaged			Value	Depth-averaged	Value	Depth-averaged	Value
09-09-21	Mid-Ebb	CEA	Misty	Calm	5.2	Surface	0.1	122	28.9		7.6		25.4		80.1		5.4		6.6		0.019		
09-09-21	Mid-Ebb	CEA	Misty	Calm	5.2	Surface	0.1	122	28.9		7.6		25.4		80.1		5.4		6.6		0.018		
09-09-21	Mid-Ebb	CEA	Misty	Calm	5.2	Middle				28.9		7.6		25.6		80.4		5.4		7.0		0.016	
09-09-21	Mid-Ebb	CEA	Misty	Calm	5.2	Middle					7.6		25.8		80.5		5.4		7.4		0.013		
09-09-21	Mid-Ebb	CEA	Misty	Calm	5.2	Bottom	0.1	86	28.9		7.6		25.8		80.7		5.4	5.4	7.5		0.013		
09-09-21	Mid-Ebb	CF	Misty	Calm	17.0	Surface	0.3	119	28.9		7.6		28.4		82.2		5.4		5.6		0.012		
09-09-21	Mid-Ebb	CF	Misty	Calm	17.0	Surface	0.3	129	28.8		7.6		28.4		82.1		5.4	5.2	5.7		0.014		
09-09-21	Mid-Ebb	CF	Misty	Calm	17.0	Middle	0.2	142	27.9	28.3	7.6	7.6	29.4	29.0	78.2	78.2	5.1	5.2	6.5	6.7	0.018	0.012	
09-09-21	Mid-Ebb	CF	Misty	Calm	17.0	Middle	0.2	146	27.9		7.6		29.5		76.0		5.1	5.1	6.6		0.015		
09-09-21	Mid-Ebb	CF	Misty	Calm	17.0	Bottom	0.1	159	28.1		7.6		29.4		76.1		5.1	5.1	7.9		0.006		
09-09-21	Mid-Ebb	CF	Misty	Calm	17.0	Bottom	0.1	174	28.2		7.6		29.3		76.3		5.1	5.1	7.9		0.008		
09-09-21	Mid-Ebb	SR3A	Misty	Calm	8.2	Surface	0.0	185	29.6		7.5		25.3		85.4		5.7		6.2		0.011		
09-09-21	Mid-Ebb	SR3A	Misty	Calm	8.2	Surface	0.0	186	29.6		7.5		25.3		85.4		5.7		6.2		0.013		
09-09-21	Mid-Ebb	SR3A	Misty	Calm	8.2	Middle	0.1	136	29.3	29.3	7.5	7.5	25.6	25.6	82.1	83.5	5.5	5.6	7.6	7.4	0.014	0.011	
09-09-21	Mid-Ebb	SR3A	Misty	Calm	8.2	Middle	0.1	139	29.2		7.5		25.6		82.1		5.5	5.5	7.5		0.015		
09-09-21	Mid-Ebb	SR3A	Misty	Calm	8.2	Bottom	0.1	113	29.1		7.5		26.0		82.8		5.5	5.5	8.5		0.007		
09-09-21	Mid-Ebb	SR3A	Misty	Calm	8.2	Bottom	0.1	114	29.1		7.5		26.0		83.2		5.5	5.5	8.6		0.008		
09-09-21	Mid-Ebb	SR5A	Misty	Calm	7.8	Surface	0.1	147	29.2		7.6		26.8		86.0		5.7		5.6		0.006		
09-09-21	Mid-Ebb	SR5A	Misty	Calm	7.8	Surface	0.1	145	29.1		7.6		26.9		85.9		5.7	5.6	5.5		0.007		
09-09-21	Mid-Ebb	SR5A	Misty	Calm	7.8	Middle	0.0	128	29.0	29.0	7.6	7.6	26.9	27.0	82.2	83.0	5.5	5.6	6.5	6.6	0.011	0.012	
09-09-21	Mid-Ebb	SR5A	Misty	Calm	7.8	Middle	0.0	137	29.0		7.6		26.9		82.2		5.5	5.5	6.5		0.013		
09-09-21	Mid-Ebb	SR5A	Misty	Calm	7.8	Bottom	0.0	143	28.9		7.6		27.1		80.8		5.4	5.4	7.8		0.015		
09-09-21	Mid-Ebb	SR5A	Misty	Calm	7.8	Bottom	0.0	145	28.9		7.6		27.1		80.9		5.4	5.4	7.8		0.019		
09-09-21	Mid-Ebb	SR7	Misty	Calm	18.8	Surface	0.4	133	28.8		7.6		28.4		82.9		5.5		6.3		0.014		
09-09-21	Mid-Ebb	SR7	Misty	Calm	18.8	Surface	0.4	134	28.7		7.6		28.5		82.7		5.5		6.3		0.013		
09-09-21	Mid-Ebb	SR7	Misty	Calm	18.8	Middle	0.4	133	28.0	28.3	7.6	7.6	29.2	28.9	77.2	79.7	5.1	5.3	7.2	7.4	0.011	0.011	
09-09-21	Mid-Ebb	SR7	Misty	Calm	18.8	Middle	0.4	135	28.0		7.6		29.2		77.4		5.2	5.2	7.1		0.010		
09-09-21	Mid-Ebb	SR7	Misty	Calm	18.8	Bottom	0.1	191	28.1		7.6		29.1		78.8		5.2	5.2	8.7		0.008		
09-09-21	Mid-Ebb	SR7	Misty	Calm	18.8	Bottom	0.1	199	28.2		7.6		29.1		79.0		5.2	5.2	8.8		0.010		
09-09-21	Mid-Ebb	SR14A	Misty	Calm	5.4	Surface	0.1	193	29.0		7.6		26.5		82.5		5.5		5.8		0.005		
09-09-21	Mid-Ebb	SR14A	Misty	Calm	5.4	Surface	0.1	194	28.9		7.6		26.5		82.3		5.5		5.8		0.006		
09-09-21	Mid-Ebb	SR14A	Misty	Calm	5.4	Middle				28.9		7.6		26.6		81.9		5.5		5.8		0.010	
09-09-21	Mid-Ebb	SR14A	Misty	Calm	5.4	Middle						7.6		26.7		81.3		5.4	6.8		0.014		
09-09-21	Mid-Ebb	SR14A	Misty	Calm	5.4	Bottom	0.1	185	28.8		7.6		26.7		81.4		5.4	5.4	6.8		0.016		
09-09-21	Mid-Flood	CEA	Misty	Calm	5.0	Surface	0.3	85	29.1		7.5		25.1		81.5		5.5		5.1		0.014		
09-09-21	Mid-Flood	CEA	Misty	Calm	5.0	Surface	0.3	85	29.1		7.5		25.1		81.7		5.5		5.1		0.015		
09-09-21	Mid-Flood	CEA	Misty	Calm	5.0	Middle				29.1		7.5		25.1		81.7		5.5		5.1		0.012	
09-09-21	Mid-Flood	CEA	Misty	Calm	5.0	Middle						7.5		25.1		85.0		5.7		6.2		0.009	
09-09-21	Mid-Flood	CEA	Misty	Calm	5.0	Bottom	0.3	81	29.1		7.5		25.1		85.7		5.7	5.7	6.2		0.008		
09-09-21	Mid-Flood	CF	Misty	Calm	17.0	Surface	0.4	7	28.6		7.5		26.7		77.5		5.2		6.3		0.017		
09-09-21	Mid-Flood	CF	Misty	Calm	17.0	Surface	0.5	7	28.5		7.5		26.9		77.3		5.2	5.2	6.2		0.020		
09-09-21	Mid-Flood	CF	Misty	Calm	17.0	Middle	0.6	359	28.5	28.5	7.5	7.5	27.2	27.3	76.8	77.1	5.1	5.2	7.5	7.5	0.015	0.017	
09-09-21	Mid-Flood	CF	Misty	Calm	17.0	Middle	0.6	359	28.5		7.5		27.3		76.8		5.1	5.1	7.6		0.016		
09-09-21	Mid-Flood	CF	Misty	Calm	17.0	Bottom	0.7	342	28.4		7.5		28.0		76.9		5.1	5.1	8.7		0.017		
09-09-21	Mid-Flood	CF	Misty	Calm	17.0	Bottom	0.8	315	28.4		7.5		28.0		77.0		5.1	5.1	8.6		0.018		
09-09-21	Mid-Flood	SR3A	Misty	Calm	7.2	Surface	0.2	107	29.4		7.5		24.8		85.2		5.7		6.3		0.014		
09-09-21	Mid-Flood	SR3A	Misty	Calm	7.2	Surface	0.3	114	29.4		7.5		24.8		85.4		5.7		6.3		0.016		
09-09-21	Mid-Flood	SR3A	Misty	Calm	7.2	Middle	0.2	106	29.4	29.4	7.5	7.5	24.8	24.8	86.6	87.0	5.8	5.7	7.3	7.4	0.020	0.016	
09-09-21	Mid-Flood	SR3A	Misty	Calm	7.2	Middle	0.2	106	29.4		7.5		24.8		87.1		5.8	5.8	7.3		0.015		
09-09-21	Mid-Flood	SR3A	Misty	Calm	7.2	Bottom	0.2	106	29.4		7.6		24.8		88.7		5.9	5.9	8.6		0.014		
09-09-21	Mid-Flood	SR3A	Misty	Calm	7.2	Bottom	0.2	107	29.4		7.6		24.8		89.0		5.9	5.9	8.7		0.019		
09-09-21	Mid-Flood	SR5A	Misty	Calm	7.2	Surface	0.1	227	28.6		7.6		27.3		78.4		5.2		7.1		0.011		
09-09-21	Mid-Flood	SR5A	Misty	Calm	7.2	Surface	0.1	232	28.6		7.6		27.3		78.4		5.2	5.2	7.1		0.013		
09-09-21	Mid-Flood	SR5A	Misty	Calm	7.2	Middle	0.1	237	28.6	28.6	7.6	7.6	27.4	27.4	78.7	79.4	5.2	5.2	8.0	8.4	0.005	0.011	
09-09-21	Mid-Flood	SR5A	Misty	Calm	7.2	Middle	0.1	243	28.6		7.6		27.4		78.8		5.2	5.2	8.1		0.006		
09-09-21	Mid-Flood	SR5A	Misty	Calm	7.2	Bottom	0.0	318	28.6		7.6		27.5		81.0		5.4	5.4	9.9		0.018		
09-09-21	Mid-Flood	SR5A	Misty	Calm	7.2	Bottom	0.0	325	28.6		7.6		27.5		81.1		5.4	5.4	9.9		0.014		
09-09-21	Mid-Flood	SR7	Misty	Calm	17.2	Surface	0.5	25	28.6		7.6		26.3		77.8		5.2		5.3		0.013		
09-09-21	Mid-Flood	SR7	Misty	Calm	17.2	Surface	0.6	26	28.6		7.6		26.5		77.6		5.2	5.2	5.4		0.016		
09-09-21	Mid-Flood	SR7	Misty	Calm	17.2	Middle	0.7	13	28.4	28.3	7.6	7.6	28.0	27.8	76.7	76.4	5.1	5.2	6.5	6.6	0.003	0.012	
09-09-21	Mid-Flood	SR7	Misty	Calm	17.2	Middle	0.8	13	28.3		7.6												

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH	pH	Salinity ppt		DO Saturation (%)		DO mg/L		Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged			Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged				
16-09-21	Mid-Ebb	CEA	Sunny	Moderate	3.9	Surface	0.3	231	31.1		7.9		22.7		83.3		5.5		4.5		0.011	
16-09-21	Mid-Ebb	CEA	Sunny	Moderate	3.9	Surface	0.3	243	31.1		7.9		22.7		83.2		5.5		4.6		0.010	
16-09-21	Mid-Ebb	CEA	Sunny	Moderate	3.9	Middle					7.9			23.1				5.5		5.0		0.009
16-09-21	Mid-Ebb	CEA	Sunny	Moderate	3.9	Middle					7.9				78.2				5.5		0.008	
16-09-21	Mid-Ebb	CEA	Sunny	Moderate	3.9	Bottom	0.2	232	30.9		7.9		23.5		78.2		5.1	5.1	5.5		0.008	
16-09-21	Mid-Ebb	CEA	Sunny	Moderate	3.9	Bottom	0.2	250	30.9		7.9		23.5		78.2		5.1	5.1	5.2		0.006	
16-09-21	Mid-Ebb	CF	Sunny	Moderate	14.2	Surface	0.5	144	30.1		8.0		24.3		89.8		5.9		4.4		0.017	
16-09-21	Mid-Ebb	CF	Sunny	Moderate	14.2	Surface	0.5	157	30.1		8.0		24.2		89.8		5.9		4.4		0.015	
16-09-21	Mid-Ebb	CF	Sunny	Moderate	14.2	Middle	0.4	164	29.1		8.0	8.0	28.7	27.9	67.5	69.9	5.2		4.1		0.011	0.011
16-09-21	Mid-Ebb	CF	Sunny	Moderate	14.2	Middle	0.4	165	29.1		8.0		28.7		67.4		5.2		4.2		0.010	
16-09-21	Mid-Ebb	CF	Sunny	Moderate	14.2	Bottom	0.3	137	27.9		7.9		30.7		52.5		3.5	3.5	4.0		0.008	
16-09-21	Mid-Ebb	CF	Sunny	Moderate	14.2	Bottom	0.3	146	27.9		7.9		30.7		52.5		3.5	3.5	4.0		0.004	
16-09-21	Mid-Ebb	SR3A	Sunny	Moderate	6.8	Surface	0.2	206	31.1		7.9		23.3		81.8		5.4		7.2		0.019	
16-09-21	Mid-Ebb	SR3A	Sunny	Moderate	6.8	Surface	0.2	217	31.1		7.9		23.3		81.7		5.3		7.2		0.018	
16-09-21	Mid-Ebb	SR3A	Sunny	Moderate	6.8	Middle	0.2	200	31.0		7.9	7.9	23.6	24.9	77.1	72.2	5.0	5.2	9.9		0.016	0.014
16-09-21	Mid-Ebb	SR3A	Sunny	Moderate	6.8	Middle	0.2	216	31.0		7.9		23.6		77.1		5.0		9.9		0.015	
16-09-21	Mid-Ebb	SR3A	Sunny	Moderate	6.8	Bottom	0.1	221	29.7		7.9		27.7		57.7		3.8	3.8	7.8		0.009	0.008
16-09-21	Mid-Ebb	SR3A	Sunny	Moderate	6.8	Bottom	0.1	236	29.7		7.9		27.7		57.8		3.8	3.8	7.8		0.008	
16-09-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Surface	0.0	356	29.9		8.0		27.3		76.6		5.0		3.2		0.015	
16-09-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Surface	0.0	328	29.9		8.0		27.3		76.6		5.0		3.2		0.014	
16-09-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Middle	0.0	3	29.8		8.0	8.0	27.5	27.5	76.2	76.0	5.0	5.0	4.0		0.009	0.009
16-09-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Middle	0.0	3	29.8		8.0		27.5		76.2		5.0		4.1		0.006	
16-09-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Bottom	0.1	65	29.7		8.0		27.7		75.2		4.9	4.9	6.6		0.005	
16-09-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Bottom	0.1	71	29.7		8.0		27.7		75.2		4.9	4.9	6.7		0.002	
16-09-21	Mid-Ebb	SR7	Sunny	Moderate	17.8	Surface	0.6	125	30.0		8.0		23.8		89.8		6.0		4.2		0.016	
16-09-21	Mid-Ebb	SR7	Sunny	Moderate	17.8	Surface	0.7	135	30.0		8.0		23.8		89.8		6.0		4.2		0.014	
16-09-21	Mid-Ebb	SR7	Sunny	Moderate	17.8	Middle	0.4	115	29.6		8.0	8.0	28.4	27.8	71.6	71.7	5.3		3.9		0.013	0.010
16-09-21	Mid-Ebb	SR7	Sunny	Moderate	17.8	Middle	0.4	121	29.6		8.0		28.4		71.4		4.7		3.9		0.011	
16-09-21	Mid-Ebb	SR7	Sunny	Moderate	17.8	Bottom	0.6	116	27.7		8.0		31.1		53.6		3.6	3.6	5.9		0.004	
16-09-21	Mid-Ebb	SR7	Sunny	Moderate	17.8	Bottom	0.6	124	27.7		8.0		31.1		53.7		3.6	3.6	6.0		0.002	
16-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.1	Surface	0.3	252	30.7		7.9		24.2		85.3		5.6		6.4		0.014	
16-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.1	Surface	0.3	263	30.7		7.9		24.2		85.4		5.6		6.4		0.012	
16-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.1	Middle					7.9			24.3	85.4	85.4	5.6		7.6		0.009	0.011
16-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.1	Middle					7.9		24.3		85.4		5.6		7.6		0.008	
16-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.1	Bottom	0.3	254	30.7		7.9		24.3		85.4		5.6	5.6	7.6		0.009	0.008
16-09-21	Mid-Ebb	SR14A	Sunny	Moderate	4.1	Bottom	0.3	268	30.7		7.9		24.3		85.4		5.6	5.6	7.6		0.008	
16-09-21	Mid-Flood	CEA	Cloudy	Moderate	3.4	Surface	0.3	60	31.4		7.9		22.8		87.7		5.7		7.8		0.009	
16-09-21	Mid-Flood	CEA	Cloudy	Moderate	3.4	Surface	0.4	62	31.4		7.9		22.8		87.5		5.7		7.9		0.008	
16-09-21	Mid-Flood	CEA	Cloudy	Moderate	3.4	Middle					7.9			22.9	86.3	86.3	5.7		7.9		9.9	0.006
16-09-21	Mid-Flood	CEA	Cloudy	Moderate	3.4	Middle					7.9				85.0		5.6		11.9		0.005	
16-09-21	Mid-Flood	CEA	Cloudy	Moderate	3.4	Bottom	0.3	59	31.2		7.9		23.0		85.0		5.6	5.6	12.0		0.002	
16-09-21	Mid-Flood	CF	Cloudy	Rough	13.7	Surface	0.6	52	28.5		8.1		29.2		78.9		5.2		3.4		0.018	
16-09-21	Mid-Flood	CF	Cloudy	Rough	13.7	Surface	0.6	54	28.5		8.1		29.2		78.9		5.2		3.4		0.016	
16-09-21	Mid-Flood	CF	Cloudy	Rough	13.7	Middle	0.5	41	27.9		8.0	8.0	30.3	30.7	66.3	66.8	4.4	4.8	4.5		0.012	0.011
16-09-21	Mid-Flood	CF	Cloudy	Rough	13.7	Middle	0.5	42	27.9		8.0		30.5		66.1		4.4		4.6		0.011	
16-09-21	Mid-Flood	CF	Cloudy	Rough	13.7	Bottom	0.6	40	26.4		8.0		32.6		55.0		3.7	3.7	5.6		0.007	
16-09-21	Mid-Flood	CF	Cloudy	Rough	13.7	Bottom	0.6	40	26.4		8.0		32.6		55.3		3.7	3.7	5.6		0.004	
16-09-21	Mid-Flood	SR3A	Cloudy	Rough	6.7	Surface	0.2	25	31.8		7.9		24.1		89.0		5.7		5.9		0.018	
16-09-21	Mid-Flood	SR3A	Cloudy	Rough	6.7	Surface	0.2	27	31.8		7.9		24.1		89.0		5.7		5.9		0.015	
16-09-21	Mid-Flood	SR3A	Cloudy	Rough	6.7	Middle	0.1	359	30.9		7.9	7.9	24.4	24.4	79.6	82.9	5.2	5.5	6.4		0.011	0.010
16-09-21	Mid-Flood	SR3A	Cloudy	Rough	6.7	Middle	0.1	330	30.9		7.9		24.4		79.6		5.2		6.5		0.009	
16-09-21	Mid-Flood	SR3A	Cloudy	Rough	6.7	Bottom	0.1	24	30.8		7.9		24.8		80.1		5.2	5.2	7.7		0.006	
16-09-21	Mid-Flood	SR3A	Cloudy	Rough	6.7	Bottom	0.1	24	30.8		7.9		24.8		80.1		5.2	5.2	7.7		0.003	
16-09-21	Mid-Flood	SR5A	Cloudy	Rough	6.8	Surface	0.0	81	31.3		8.0		24.6		95.8		6.2		4.3		0.015	
16-09-21	Mid-Flood	SR5A	Cloudy	Rough	6.8	Surface	0.0	88	31.3		8.0		24.6		95.7		6.2		4.3		0.014	
16-09-21	Mid-Flood	SR5A	Cloudy	Rough	6.8	Middle	0.1	46	31.3		8.0	8.0	25.5	25.6	89.4	88.9	5.8	6.0	5.5		0.009	0.009
16-09-21	Mid-Flood	SR5A	Cloudy	Rough	6.8	Middle	0.1	46	31.3		8.0		25.5		89.3		5.8		5.5		0.007	
16-09-21	Mid-Flood	SR5A	Cloudy	Rough	6.8	Bottom	0.0	52	30.8		8.0		26.6		81.5		5.3	5.3	8.9		0.004	
16-09-21	Mid-Flood	SR5A	Cloudy	Rough	6.8	Bottom	0.0	55	30.8		8.0		26.6		81.5		5.3	5.3	9.0		0.003	
16-09-21	Mid-Flood	SR7	Cloudy	Rough	16.9	Surface	0.5	56	28.3		8.0		29.6		74.7		4.9		3.8		0.019	
16-09-21	Mid-Flood	SR7	Cloudy	Rough	16.9	Surface	0.5	58	28.3		8.0		29.6		74.8		4.9		3.8		0.018	
16-09-21	Mid-Flood	SR7	Cloudy	Rough	16.9	Middle	0.5	4														

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
23-09-21	Mid-Ebb	CEA	Cloudy	Moderate	4.8	Surface	0.3	229	30.2		8.0		26.2		85.2		5.6		5.5		0.017	
23-09-21	Mid-Ebb	CEA	Cloudy	Moderate	4.8	Surface	0.3	250	30.1		8.0		26.3		84.8		5.5		5.7		0.017	
23-09-21	Mid-Ebb	CEA	Cloudy	Moderate	4.8	Middle				29.9	8.0	8.0		26.4		84.3		5.6		6.6		0.009
23-09-21	Mid-Ebb	CEA	Cloudy	Moderate	4.8	Middle																
23-09-21	Mid-Ebb	CEA	Cloudy	Moderate	4.8	Bottom	0.3	231	29.7		8.0		26.6		83.3		5.5	5.5	7.5		0.001	
23-09-21	Mid-Ebb	CEA	Cloudy	Moderate	4.8	Bottom	0.3	245	29.7		8.0		26.6		83.8		5.5	5.5	7.6		0.001	
23-09-21	Mid-Ebb	CF	Cloudy	Moderate	15.0	Surface	0.5	134	29.7		8.1		27.8		84.9		5.5	5.5	6.1		0.019	
23-09-21	Mid-Ebb	CF	Cloudy	Moderate	15.0	Surface	0.5	137	29.7		8.1		27.8		84.9		5.5	5.5	6.0		0.019	
23-09-21	Mid-Ebb	CF	Cloudy	Moderate	15.0	Middle	0.4	117	29.4	29.2	8.1	8.1		28.2		82.0		5.4	15.1	20.9	0.010	0.010
23-09-21	Mid-Ebb	CF	Cloudy	Moderate	15.0	Middle	0.4	123	29.4		8.1		28.2		82.0		5.4	15.0		0.010		
23-09-21	Mid-Ebb	CF	Cloudy	Moderate	15.0	Bottom	0.2	112	28.6		8.1		29.7		70.8		4.7	4.7	41.5		0.001	
23-09-21	Mid-Ebb	CF	Cloudy	Moderate	15.0	Bottom	0.2	121	28.6		8.1		29.7		71.0		4.7	4.7	41.9		0.001	
23-09-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Surface	0.2	178	30.5		8.0		26.2		86.7		5.6	5.6	13.9		0.017	
23-09-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Surface	0.2	185	30.5		8.0		26.2		86.7		5.6	5.6	13.9		0.017	
23-09-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Middle	0.1	183	30.5	30.5	8.0	8.0		26.2		86.9		5.6	10.4	11.4	0.006	0.006
23-09-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Middle	0.2	184	30.5		8.0		26.2		86.9		5.6	10.8		0.006		
23-09-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Bottom	0.1	246	30.5		8.0		26.5		85.2		5.5	5.5	9.8		0.002	
23-09-21	Mid-Ebb	SR3A	Cloudy	Moderate	7.2	Bottom	0.1	252	30.4		8.0		26.5		85.2		5.5	5.5	9.6		0.002	
23-09-21	Mid-Ebb	SR5A	Cloudy	Calm	7.4	Surface	0.0	239	29.5		8.0		28.1		78.6		5.1	5.1	9.3		0.020	
23-09-21	Mid-Ebb	SR5A	Cloudy	Calm	7.4	Surface	0.0	256	29.5		8.1		28.2		78.5		5.1	5.1	9.5		0.020	
23-09-21	Mid-Ebb	SR5A	Cloudy	Calm	7.4	Middle	0.0	103	29.5	29.5	8.0	8.0		28.2		79.3		5.2	9.0	9.5	0.013	0.013
23-09-21	Mid-Ebb	SR5A	Cloudy	Calm	7.4	Middle	0.0	110	29.5		8.1		28.2		78.5		5.1	5.1	9.5		0.015	
23-09-21	Mid-Ebb	SR5A	Cloudy	Calm	7.4	Bottom	0.0	67	29.3		8.1		28.4		79.9		5.2	5.2	10.0		0.005	
23-09-21	Mid-Ebb	SR5A	Cloudy	Calm	7.4	Bottom	0.0	68	29.4		8.1		28.4		80.4		5.3	5.3	9.8		0.005	
23-09-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Surface	0.7	133	29.9		8.1		26.9		87.5		5.7	5.7	5.7		0.017	
23-09-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Surface	0.8	144	29.9		8.1		26.9		87.3		5.7	5.7	5.7		0.017	
23-09-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Middle	0.7	127	29.2	29.3	8.1	8.1		28.0		74.2		4.9	6.4	15.3	0.011	0.011
23-09-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Middle	0.7	132	29.2		8.1		28.0		74.3		4.9	6.4		0.011		
23-09-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Bottom	0.5	134	28.8		8.1		29.3		69.3		4.6	4.6	33.9		0.000	
23-09-21	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Bottom	0.5	141	28.8		8.1		29.3		69.5		4.6	4.6	33.8		0.000	
23-09-21	Mid-Ebb	SR14A	Cloudy	Calm	5.0	Surface	0.3	231	29.8		8.0		26.9		81.5		5.3	5.3	5.3		0.016	
23-09-21	Mid-Ebb	SR14A	Cloudy	Calm	5.0	Surface	0.3	243	29.8		8.0		26.9		81.5		5.3	5.3	5.3		0.016	
23-09-21	Mid-Ebb	SR14A	Cloudy	Calm	5.0	Middle				29.8	8.0	8.0		27.0		80.6		5.3	5.3	7.2	0.002	0.002
23-09-21	Mid-Ebb	SR14A	Cloudy	Calm	5.0	Middle																
23-09-21	Mid-Ebb	SR14A	Cloudy	Calm	5.0	Bottom	0.3	232	29.7		8.0		27.2		79.6		5.2	5.2	9.2		0.002	
23-09-21	Mid-Ebb	SR14A	Cloudy	Calm	5.0	Bottom	0.3	237	29.7		8.0		27.2		79.8		5.2	5.2	9.0		0.002	
23-09-21	Mid-Flood	CEA	Cloudy	Moderate	4.6	Surface	0.6	65	30.1		7.9		26.5		79.8		5.2	5.2	12.0		0.020	
23-09-21	Mid-Flood	CEA	Cloudy	Moderate	4.6	Surface	0.6	68	30.1		7.9		26.5		79.8		5.2	5.2	11.7		0.020	
23-09-21	Mid-Flood	CEA	Cloudy	Moderate	4.6	Middle				30.1	7.9	7.9		26.5		80.0		5.2	5.2	13.2	0.001	0.011
23-09-21	Mid-Flood	CEA	Cloudy	Moderate	4.6	Middle																
23-09-21	Mid-Flood	CEA	Cloudy	Moderate	4.6	Bottom	0.5	64	30.1		7.9		26.5		80.2		5.2	5.2	14.6		0.001	
23-09-21	Mid-Flood	CEA	Cloudy	Moderate	4.6	Bottom	0.5	68	30.1		7.9		26.5		80.3		5.2	5.2	14.6		0.001	
23-09-21	Mid-Flood	CF	Cloudy	Moderate	17.4	Surface	0.4	352	29.3		8.1		28.2		78.9		5.2	5.2	8.8		0.019	
23-09-21	Mid-Flood	CF	Cloudy	Moderate	17.4	Surface	0.4	324	29.3		8.1		28.2		78.9		5.2	5.2	8.8		0.019	
23-09-21	Mid-Flood	CF	Cloudy	Moderate	17.4	Middle	0.5	23	29.3	29.2	8.1	8.1		28.4		78.5		5.1	9.7	18.7	0.005	0.008
23-09-21	Mid-Flood	CF	Cloudy	Moderate	17.4	Middle	0.5	25	29.3		8.1		28.4		78.4		5.1	5.1	9.7		0.005	
23-09-21	Mid-Flood	CF	Cloudy	Moderate	17.4	Bottom	0.2	10	29.1		8.1		29.1		76.6		5.0	5.0	37.3		0.000	
23-09-21	Mid-Flood	CF	Cloudy	Moderate	17.4	Bottom	0.2	10	29.1		8.1		29.1		76.5		5.0	5.0	37.8		0.000	
23-09-21	Mid-Flood	SR3A	Rainy	Moderate	7.3	Surface	0.2	69	30.5		8.0		26.7		81.4		5.3	5.3	9.1		0.022	
23-09-21	Mid-Flood	SR3A	Rainy	Moderate	7.3	Surface	0.2	74	30.5		8.0		26.7		81.4		5.3	5.3	9.0		0.022	
23-09-21	Mid-Flood	SR3A	Rainy	Moderate	7.3	Middle	0.1	68	30.5	30.4	8.0	8.0		26.7		81.2		5.3	9.6	10.1	0.005	0.010
23-09-21	Mid-Flood	SR3A	Rainy	Moderate	7.3	Middle	0.2	72	30.5		8.0		26.7		81.2		5.3	9.7		0.005		
23-09-21	Mid-Flood	SR3A	Rainy	Moderate	7.3	Bottom	0.2	72	30.3		8.0		26.7		80.7		5.2	5.2	11.7		0.002	
23-09-21	Mid-Flood	SR3A	Rainy	Moderate	7.3	Bottom	0.2	78	30.3		8.0		26.7		80.9		5.3	5.3	11.5		0.002	
23-09-21	Mid-Flood	SR5A	Rainy	Moderate	7.2	Surface	0.1	263	29.4		8.0		28.1		76.8		5.0	5.0	7.3		0.017	
23-09-21	Mid-Flood	SR5A	Rainy	Moderate	7.2	Surface	0.1	264	29.4		8.0		28.1		76.8		5.0	5.0	7.3		0.017	
23-09-21	Mid-Flood	SR5A	Rainy	Moderate	7.2	Middle	0.0	358	29.3	29.3	8.0	8.0		28.4		76.0		5.0	7.9	8.2	0.007	0.007
23-09-21	Mid-Flood	SR5A	Rainy	Moderate	7.2	Middle	0.0	329	29.3		8.0		28.4		75.9		5.0	5.0	8.2		0.007	
23-09-21	Mid-Flood	SR5A	Rainy	Moderate	7.2	Bottom	0.0	67	29.2		8.0		28.6		76.6		5.0	5.0	9.4		0.001	
23-09-21	Mid-Flood	SR5A	Rainy	Moderate	7.2	Bottom	0.0	70	29.2		8.0		28.6		76.8		5.0	5.0	9.4		0.001	
23-09-21	Mid-Flood	SR7	Cloudy	Moderate	18.0	Surface	0.1	78	29.3													

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
30-09-21	Mid-Ebb	CEA	Sunny	Calm	3.9	Surface	0.2	227	30.1		8.0		23.1		112.7		7.5		3.2		0.019	
30-09-21	Mid-Ebb	CEA	Sunny	Calm	3.9	Surface	0.2	233	30.1		8.0		23.1		112.7		7.5		3.2		0.015	
30-09-21	Mid-Ebb	CEA	Sunny	Calm	3.9	Middle				30.1	8.0									3.9		0.011
30-09-21	Mid-Ebb	CEA	Sunny	Calm	3.9	Middle					8.0											0.006
30-09-21	Mid-Ebb	CEA	Sunny	Calm	3.9	Bottom	0.2	210	30.1		8.0		23.2		111.7		7.4	7.4	4.7			0.004
30-09-21	Mid-Ebb	CEA	Sunny	Calm	3.9	Bottom	0.2	221	30.1		8.0		23.2		111.6		7.4	7.4	4.7			0.004
30-09-21	Mid-Ebb	CF	Sunny	Moderate	16.4	Surface	0.8	177	29.1		8.0		25.2		85.4		5.7		2.7		0.015	
30-09-21	Mid-Ebb	CF	Sunny	Moderate	16.4	Surface	0.9	168	29.1		8.0		25.2		85.4		5.7		2.6		0.013	
30-09-21	Mid-Ebb	CF	Sunny	Moderate	16.4	Middle	0.7	165	28.8	28.7	7.9	7.9	27.4	27.0	70.1	71.8	4.7	5.2	3.2	4.4	0.010	0.009
30-09-21	Mid-Ebb	CF	Sunny	Moderate	16.4	Middle	0.8	168	28.8		7.9		27.4		70.1		4.7		3.2		0.008	
30-09-21	Mid-Ebb	CF	Sunny	Moderate	16.4	Bottom	0.3	177	28.3		7.9		28.4		59.9		4.0	4.0	7.2		0.004	
30-09-21	Mid-Ebb	CF	Sunny	Moderate	16.4	Bottom	0.3	171	28.3		7.9		28.4		59.9		4.0	4.0	7.2		0.002	
30-09-21	Mid-Ebb	SR3A	Sunny	Calm	7.2	Surface	0.1	132	30.3		7.9		22.7		80.9		5.4		4.1		0.018	
30-09-21	Mid-Ebb	SR3A	Sunny	Calm	7.2	Surface	0.1	122	30.3		7.9		22.7		80.9		5.4		4.1		0.015	
30-09-21	Mid-Ebb	SR3A	Sunny	Calm	7.2	Middle	0.0	138	30.2	30.2	7.9	7.9	23.3	23.3	75.4	76.5	5.0	5.2	5.8	5.6	0.011	0.010
30-09-21	Mid-Ebb	SR3A	Sunny	Calm	7.2	Middle	0.0	149	30.2		7.9		23.3		75.5		5.0		5.8		0.009	
30-09-21	Mid-Ebb	SR3A	Sunny	Calm	7.2	Bottom	0.0	135	30.1		7.8		24.0		72.9		4.8	4.8	7.0		0.004	
30-09-21	Mid-Ebb	SR3A	Sunny	Calm	7.2	Bottom	0.0	145	30.1		7.8		24.0		73.1		4.8	4.8	7.0		0.001	
30-09-21	Mid-Ebb	SR5A	Sunny	Calm	6.8	Surface	0.1	199	29.4		7.9		23.9		86.9		5.8		5.7		0.016	
30-09-21	Mid-Ebb	SR5A	Sunny	Calm	6.8	Surface	0.1	190	29.4		7.9		23.9		86.9		5.8		5.7		0.014	
30-09-21	Mid-Ebb	SR5A	Sunny	Calm	6.8	Middle	0.1	46	29.6	29.4	7.9	7.9	24.8	24.7	82.5	82.1	5.5	5.7	7.0	6.3	0.008	0.009
30-09-21	Mid-Ebb	SR5A	Sunny	Calm	6.8	Middle	0.1	39	29.6		7.9		24.8		82.5		5.5		7.0		0.007	
30-09-21	Mid-Ebb	SR5A	Sunny	Calm	6.8	Bottom	0.1	65	29.3		7.9		25.5		76.7		5.1	5.1	6.3		0.005	
30-09-21	Mid-Ebb	SR5A	Sunny	Calm	6.8	Bottom	0.1	67	29.3		7.9		25.5		76.8		5.1	5.1	6.3		0.002	
30-09-21	Mid-Ebb	SR7	Sunny	Moderate	15.8	Surface	0.7	188	29.2		8.1		21.9		95.0		6.4		4.3		0.016	
30-09-21	Mid-Ebb	SR7	Sunny	Moderate	15.8	Surface	0.7	200	29.2		8.1		21.9		94.9		6.4		4.3		0.015	
30-09-21	Mid-Ebb	SR7	Sunny	Moderate	15.8	Middle	0.5	185	28.9	28.8	7.9	8.0	27.2	25.8	72.0	76.1	4.8	5.6	5.2	5.7	0.010	0.009
30-09-21	Mid-Ebb	SR7	Sunny	Moderate	15.8	Middle	0.6	178	28.9		7.9		27.2		72.0		4.8		5.3		0.008	
30-09-21	Mid-Ebb	SR7	Sunny	Moderate	15.8	Bottom	0.6	179	28.4		7.9		28.1		61.2		4.1	4.1	7.6		0.003	
30-09-21	Mid-Ebb	SR7	Sunny	Moderate	15.8	Bottom	0.6	182	28.4		7.9		28.1		61.3		4.1	4.1	7.7		0.002	
30-09-21	Mid-Ebb	SR14A	Sunny	Calm	4.2	Surface	0.3	233	29.8		7.9		22.7		92.4		6.2		5.0		0.014	
30-09-21	Mid-Ebb	SR14A	Sunny	Calm	4.2	Surface	0.3	243	29.8		7.9		22.7		92.4		6.2		5.1		0.013	
30-09-21	Mid-Ebb	SR14A	Sunny	Calm	4.2	Middle				30.0	7.9									4.9		0.009
30-09-21	Mid-Ebb	SR14A	Sunny	Calm	4.2	Middle					7.9											0.006
30-09-21	Mid-Ebb	SR14A	Sunny	Calm	4.2	Bottom	0.3	225	30.2		7.9		23.7		88.9		5.9	5.9	4.7		0.004	
30-09-21	Mid-Ebb	SR14A	Sunny	Calm	4.2	Bottom	0.3	250	30.2		7.9		23.7		88.9		5.9	5.9	4.7		0.004	
30-09-21	Mid-Flood	CEA	Fine	Calm	3.5	Surface	0.4	56	30.5		8.2		22.4		133.6		8.9		2.5		0.010	
30-09-21	Mid-Flood	CEA	Fine	Calm	3.5	Surface	0.4	60	30.5		8.2		22.4		133.5		8.9		2.6		0.009	
30-09-21	Mid-Flood	CEA	Fine	Calm	3.5	Middle				30.3	8.1									3.2		0.006
30-09-21	Mid-Flood	CEA	Fine	Calm	3.5	Middle					8.1											0.003
30-09-21	Mid-Flood	CEA	Fine	Calm	3.5	Bottom	0.3	56	30.1		8.1		22.5		119.7		8.0	8.0	3.9		0.002	
30-09-21	Mid-Flood	CEA	Fine	Calm	3.5	Bottom	0.3	60	30.1		8.1		22.5		119.7		8.0	8.0	4.0		0.002	
30-09-21	Mid-Flood	CF	Fine	Rough	14.7	Surface	0.3	336	30.4		8.1		19.2		101.8		6.9		3.3		0.019	
30-09-21	Mid-Flood	CF	Fine	Rough	14.7	Surface	0.3	352	30.4		8.1		19.2		101.7		6.9		3.3		0.018	
30-09-21	Mid-Flood	CF	Fine	Rough	14.7	Middle	0.5	317	28.9	29.3	7.9	8.0	26.0	24.2	75.9	82.4	5.1	6.0	5.4	5.0	0.012	0.011
30-09-21	Mid-Flood	CF	Fine	Rough	14.7	Middle	0.5	320	28.9		7.9		26.0		75.9		5.1		5.5		0.011	
30-09-21	Mid-Flood	CF	Fine	Rough	14.7	Bottom	0.6	307	28.7		7.9		27.3		69.4		4.6	4.6	6.2		0.004	
30-09-21	Mid-Flood	CF	Fine	Rough	14.7	Bottom	0.6	312	28.7		7.9		27.4		69.4		4.6	4.6	6.2		0.002	
30-09-21	Mid-Flood	SR3A	Fine	Calm	6.4	Surface	0.2	54	31.0		7.9		22.7		90.1		5.9		2.8		0.018	
30-09-21	Mid-Flood	SR3A	Fine	Calm	6.4	Surface	0.2	58	31.0		7.9		22.7		90.1		5.9		2.8		0.017	
30-09-21	Mid-Flood	SR3A	Fine	Calm	6.4	Middle	0.2	46	30.8	30.6	7.9	7.9	22.9	23.4	86.8	81.3	5.7	5.8	4.0	3.8	0.011	0.010
30-09-21	Mid-Flood	SR3A	Fine	Calm	6.4	Middle	0.2	50	30.8		7.9		22.9		86.9		5.7		4.0		0.010	
30-09-21	Mid-Flood	SR3A	Fine	Calm	6.4	Bottom	0.1	19	30.0		7.8		24.6		67.3		4.5	4.4	4.8		0.006	
30-09-21	Mid-Flood	SR3A	Fine	Calm	6.4	Bottom	0.1	20	29.9		7.8		24.6		66.8		4.4	4.4	4.8		0.005	
30-09-21	Mid-Flood	SR5A	Fine	Moderate	6.1	Surface	0.0	54	29.8		8.0		21.2		92.9		6.3		4.7		0.014	
30-09-21	Mid-Flood	SR5A	Fine	Moderate	6.1	Surface	0.0	58	29.8		8.0		21.2		92.9		6.3		4.8		0.011	
30-09-21	Mid-Flood	SR5A	Fine	Moderate	6.1	Middle	0.0	155	29.3	29.3	7.9	7.9	24.7	24.3	78.4	80.2	5.2	5.8	5.9	6.8	0.007	0.007
30-09-21	Mid-Flood	SR5A	Fine	Moderate	6.1	Middle	0.0	159	29.3		7.9		24.7		78.3		5.2		5.9		0.005	
30-09-21	Mid-Flood	SR5A	Fine	Moderate	6.1	Bottom	0.0	28	28.7		7.9		26.9		70.8		4.7	4.6	9.9		0.004	
30-09-21	Mid-Flood	SR5A	Fine	Moderate	6.1	Bottom	0.0	29	28.7		7.9		27.0		67.6		4.5	4.6	9.9		0.002	
30-09-21	Mid-Flood	SR7	Fine	Rough	15.1	Surface	0.6	330	29.7		8.0		22.5		93.8		6.3		3.6		0.016	
30-09-21	Mid-Flood	SR7	Fine	Rough	15.1																	

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value
06-10-21	Mid-Ebb	CEA	Sunny	Moderate	5.3	Surface	0.3	219	29.9		8.0		26.9		95.3		6.2		7.8		0.018		
06-10-21	Mid-Ebb	CEA	Sunny	Moderate	5.3	Surface	0.3	236	29.9		8.0		27.0		95.1		6.2		8.4		0.015		
06-10-21	Mid-Ebb	CEA	Sunny	Moderate	5.3	Middle				29.9	8.0			27.1		92.4		6.2		9.2		0.013	
06-10-21	Mid-Ebb	CEA	Sunny	Moderate	5.3	Middle					8.0				89.4		5.8		10.5		0.010		
06-10-21	Mid-Ebb	CEA	Sunny	Moderate	5.3	Bottom	0.2	225	29.8		8.0		27.4		89.7		5.9		10.2		0.008		
06-10-21	Mid-Ebb	CF	Sunny	Moderate	16.0	Surface	0.8	180	30.0		8.0		28.0		95.4		6.2		6.9		0.020		
06-10-21	Mid-Ebb	CF	Sunny	Moderate	16.0	Surface	0.9	192	30.0		8.0		28.1		95.3		6.2		6.9		0.026		
06-10-21	Mid-Ebb	CF	Sunny	Moderate	16.0	Middle	0.8	160	29.7	29.8	8.1	8.0	28.4	28.4	94.8	95.1	6.2	6.2	9.8	13.6	0.004	0.010	
06-10-21	Mid-Ebb	CF	Sunny	Moderate	16.0	Middle	0.8	169	29.7		8.1		28.4		94.8		6.2		10.0		0.005		
06-10-21	Mid-Ebb	CF	Sunny	Moderate	16.0	Bottom	0.7	147	29.6		8.1		28.7		95.0		6.2		24.3		0.002		
06-10-21	Mid-Ebb	CF	Sunny	Moderate	16.0	Bottom	0.7	155	29.6		8.1		28.7		95.0		6.2		24.0		0.002		
06-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Surface	0.3	239	30.3		8.0		26.1		101.9		6.6		7.2		0.015		
06-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Surface	0.3	254	30.3		8.0		26.1		101.9		6.6		7.2		0.018		
06-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Middle	0.2	238	30.0	30.1	8.0	8.0	27.1	26.9	94.8	95.6	6.2	6.4	9.8	9.7	0.010	0.009	
06-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Middle	0.2	255	30.0		8.0		27.2		95.4		6.2		10.3		0.008		
06-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Bottom	0.1	251	29.9		8.0		27.3		89.7		5.8		12.1		0.002		
06-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Bottom	0.1	260	29.9		8.0		27.3		89.8		5.9		11.9		0.003		
06-10-21	Mid-Ebb	SR5A	Sunny	Moderate	7.1	Surface	0.1	30	30.0		8.0		28.0		93.4		6.1		8.2		0.022		
06-10-21	Mid-Ebb	SR5A	Sunny	Moderate	7.1	Surface	0.1	30	30.0		8.0		28.0		93.2		6.0		8.2		0.017		
06-10-21	Mid-Ebb	SR5A	Sunny	Moderate	7.1	Middle	0.1	27	29.9	29.9	8.0	8.0	28.1	28.1	91.3	92.5	5.9	6.0	8.6	9.1	0.015	0.013	
06-10-21	Mid-Ebb	SR5A	Sunny	Moderate	7.1	Middle	0.1	29	29.9		8.0		28.1		91.3		5.9		8.7		0.010		
06-10-21	Mid-Ebb	SR5A	Sunny	Moderate	7.1	Bottom	0.1	31	29.8		8.0		28.2		92.7		6.0		10.4		0.009		
06-10-21	Mid-Ebb	SR5A	Sunny	Moderate	7.1	Bottom	0.1	33	29.8		8.0		28.2		93.2		6.1		10.4		0.007		
06-10-21	Mid-Ebb	SR7	Sunny	Moderate	18.3	Surface	0.7	168	30.0		8.0		27.8		98.7		6.4		7.6		0.018		
06-10-21	Mid-Ebb	SR7	Sunny	Moderate	18.3	Surface	0.7	184	30.0		8.0		27.8		98.6		6.4		7.7		0.022		
06-10-21	Mid-Ebb	SR7	Sunny	Moderate	18.3	Middle	0.7	165	29.6	29.7	8.0	8.0	28.1	28.3	91.5	93.0	6.0	6.2	11.9	15.1	0.007	0.010	
06-10-21	Mid-Ebb	SR7	Sunny	Moderate	18.3	Middle	0.7	171	29.6		8.0		28.1		91.5		6.0		12.0		0.005		
06-10-21	Mid-Ebb	SR7	Sunny	Moderate	18.3	Bottom	0.5	140	29.5		8.0		28.9		88.7		5.8		26.8		0.003		
06-10-21	Mid-Ebb	SR7	Sunny	Moderate	18.3	Bottom	0.6	140	29.5		8.0		28.9		88.8		5.8		24.5		0.002		
06-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.6	Surface	0.3	233	29.9		8.0		27.4		93.2		6.1		7.3		0.018		
06-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.6	Surface	0.3	243	29.9		8.0		27.4		93.1		6.1		7.5		0.017		
06-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.6	Middle				29.9	8.0			27.5	93.3	93.3	6.1	6.1	10.7	9.1	0.010	0.013	
06-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.6	Middle					8.0		27.5		93.2		6.1		10.8		0.007		
06-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.6	Bottom	0.2	232	29.8		8.0		27.5		93.6		6.1		10.8		0.007		
06-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.6	Bottom	0.3	236	29.8		8.0		27.5		93.6		6.1		10.8		0.007		
06-10-21	Mid-Flood	CEA	Cloudy	Moderate	3.9	Surface	0.4	33	29.6		8.0		27.1		120.7		7.9		4.5		0.021		
06-10-21	Mid-Flood	CEA	Cloudy	Moderate	3.9	Surface	0.4	35	29.6		8.0		27.1		120.7		7.9		4.5		0.018		
06-10-21	Mid-Flood	CEA	Cloudy	Moderate	3.9	Middle				29.6	8.0			27.2	120.2	120.2	7.9	7.9	4.5	5.2	0.018	0.013	
06-10-21	Mid-Flood	CEA	Cloudy	Moderate	3.9	Middle					8.0				119.7		7.8		6.0		0.005		
06-10-21	Mid-Flood	CEA	Cloudy	Moderate	3.9	Bottom	0.4	35	29.6		8.0		27.2		119.6		7.8		6.0		0.007		
06-10-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Surface	0.5	339	29.7		8.0		27.3		89.2		5.8		6.1		0.010		
06-10-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Surface	0.5	312	29.7		8.0		27.3		89.1		5.8		6.2		0.012		
06-10-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Middle	0.5	356	29.7	29.7	8.0	8.0	27.4	27.8	88.4	86.2	5.8	5.8	8.5	9.3	0.008	0.006	
06-10-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Middle	0.5	357	29.7		8.0		27.4		88.4		5.8		8.3		0.005		
06-10-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Bottom	0.4	324	29.6		7.9		28.6		81.3		5.3		13.3		0.001		
06-10-21	Mid-Flood	CF	Cloudy	Moderate	16.4	Bottom	0.4	341	29.6		7.9		28.6		80.9		5.3		13.3		0.000		
06-10-21	Mid-Flood	SR3A	Cloudy	Moderate	6.9	Surface	0.4	37	29.8		7.9		26.7		95.9		6.3		5.3		0.016		
06-10-21	Mid-Flood	SR3A	Cloudy	Moderate	6.9	Surface	0.4	37	29.8		7.9		26.7		95.9		6.3		5.4		0.018		
06-10-21	Mid-Flood	SR3A	Cloudy	Moderate	6.9	Middle	0.3	45	29.7	29.7	7.9	7.9	27.3	27.3	90.4	91.5	5.9	6.1	7.1	6.9	0.005	0.008	
06-10-21	Mid-Flood	SR3A	Cloudy	Moderate	6.9	Middle	0.3	45	29.7		7.9		27.3		90.5		5.9		7.1		0.004		
06-10-21	Mid-Flood	SR3A	Cloudy	Moderate	6.9	Bottom	0.4	38	29.6		7.8		28.0		87.9		5.7		8.2		0.004		
06-10-21	Mid-Flood	SR3A	Cloudy	Moderate	6.9	Bottom	0.4	39	29.6		7.8		28.0		88.1		5.7		8.3		0.002		
06-10-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Surface	0.1	48	29.4		8.0		28.2		86.1		5.6		7.0		0.025		
06-10-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Surface	0.1	52	29.4		8.0		28.2		86.1		5.6		7.0		0.021		
06-10-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Middle	0.0	71	29.4	29.4	8.0	8.0	28.2	28.2	86.4	86.6	5.7	5.6	7.0	7.8	0.008	0.012	
06-10-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Middle	0.0	71	29.4		8.0		28.2		86.5		5.7		7.2		0.006		
06-10-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Bottom	0.0	107	29.4		8.0		28.3		87.1		5.7		9.2		0.006		
06-10-21	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Bottom	0.0	110	29.4		8.0		28.3		87.2		5.7		9.4		0.005		
06-10-21	Mid-Flood	SR7	Cloudy	Moderate	18.5	Surface	0.5	356	29.7		8.0		27.2		90.8		5.9		6.6		0.017		
06-10-21	Mid-Flood	SR7	Cloudy	Moderate	18.5	Surface	0.5	328	29.7		8.0		27.3		90.8		5.9		6.7		0.014		
06-10-21	Mid-Flood	SR7	Cloudy	Moderate	18.5	Middle	0.6	334	29.6														

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea	Water	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
			Condition	Condition	Depth (m)				Value	Depth-averaged					Value	Depth-averaged		Value	Depth-averaged	Value	Depth-averaged	Value
16-10-21	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Surface	0.3	253	26.8		8.0		24.3		83.0		5.8		3.2		0.015	
16-10-21	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Surface	0.3	267	26.8		8.0		24.3		82.9		5.8		3.2		0.013	
16-10-21	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Middle				26.8	8.0			24.8	81.3		5.8			3.8		0.011
16-10-21	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Middle					8.0						5.5	5.5	4.5		0.009	
16-10-21	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Bottom	0.1	232	26.8		8.0		25.2		79.6		5.5		4.5		0.007	
16-10-21	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Bottom	0.1	246	26.8		8.0		25.2		79.7		5.5		4.5		0.007	
16-10-21	Mid-Ebb	CF	Cloudy	Rough	13.6	Surface	0.3	286	26.4		8.1		29.6		87.7		6.0		4.1		0.019	
16-10-21	Mid-Ebb	CF	Cloudy	Rough	13.6	Surface	0.3	305	26.4		8.1		29.6		87.7		6.0	6.0	4.1		0.018	
16-10-21	Mid-Ebb	CF	Cloudy	Rough	13.6	Middle	0.3	289	26.4	26.5	8.1	8.1	29.6	29.9	85.7		5.9	6.0	3.6	3.7	0.011	0.011
16-10-21	Mid-Ebb	CF	Cloudy	Rough	13.6	Middle	0.3	310	26.4		8.1		29.6		87.2		5.9		3.6		0.010	
16-10-21	Mid-Ebb	CF	Cloudy	Rough	13.6	Bottom	0.3	282	26.8		8.1		30.5		82.2		5.6	5.6	3.5		0.005	
16-10-21	Mid-Ebb	CF	Cloudy	Rough	13.6	Bottom	0.3	305	26.8		8.1		30.5		82.3		5.6		3.6		0.002	
16-10-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.6	Surface	0.2	297	27.0		7.9		24.0		73.1		5.1		3.3		0.016	
16-10-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.6	Surface	0.2	297	27.0		7.9		24.0		73.1		5.1	5.0	3.3		0.014	
16-10-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.6	Middle	0.2	299	27.0	27.1	8.0	8.0	26.3	26.4	75.2		4.8		4.3	4.2	0.009	0.009
16-10-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.6	Middle	0.2	312	27.0		7.9		26.3		70.4		4.8		4.3		0.007	
16-10-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.6	Bottom	0.2	298	27.2		8.1		29.1		82.1		5.5	5.5	5.2		0.004	
16-10-21	Mid-Ebb	SR3A	Cloudy	Moderate	6.6	Bottom	0.2	322	27.2		8.1		29.1		82.2		5.6		5.3		0.002	
16-10-21	Mid-Ebb	SR5A	Cloudy	Rough	6.3	Surface	0.2	179	26.9		8.1		30.0		84.5		5.7		4.2		0.018	
16-10-21	Mid-Ebb	SR5A	Cloudy	Rough	6.3	Surface	0.2	163	26.9		8.1		30.0		84.5		5.7		4.2		0.017	
16-10-21	Mid-Ebb	SR5A	Cloudy	Rough	6.3	Middle	0.2	178	26.9	26.9	8.1	8.1	30.1	30.1	84.3	84.3	5.7	5.7	5.7	6.3	0.012	0.012
16-10-21	Mid-Ebb	SR5A	Cloudy	Rough	6.3	Middle	0.2	178	26.9		8.1		30.1		84.1		5.7		5.7		0.011	
16-10-21	Mid-Ebb	SR5A	Cloudy	Rough	6.3	Bottom	0.2	180	26.8		8.1		30.1		84.3		5.7		5.7		0.008	
16-10-21	Mid-Ebb	SR5A	Cloudy	Rough	6.3	Bottom	0.2	187	26.8		8.1		30.1		84.4		5.7	5.7	8.9		0.006	
16-10-21	Mid-Ebb	SR7	Cloudy	Rough	15.5	Surface	0.3	132	26.7		8.1		28.0		87.9		6.0		2.5		0.020	
16-10-21	Mid-Ebb	SR7	Cloudy	Rough	15.5	Surface	0.3	135	26.7		8.1		28.0		87.9		6.0		2.5		0.019	
16-10-21	Mid-Ebb	SR7	Cloudy	Rough	15.5	Middle	0.3	127	26.6	26.6	8.1	8.1	28.9	28.8	88.0		6.0	6.0	3.6	3.7	0.017	0.014
16-10-21	Mid-Ebb	SR7	Cloudy	Rough	15.5	Middle	0.3	132	26.6		8.1		28.8		88.1		6.0		3.6		0.015	
16-10-21	Mid-Ebb	SR7	Cloudy	Rough	15.5	Bottom	0.3	133	26.5		8.1		29.5		87.9		6.0	6.0	5.0		0.008	
16-10-21	Mid-Ebb	SR7	Cloudy	Rough	15.5	Bottom	0.3	135	26.5		8.1		29.5		87.9		6.0		5.0		0.007	
16-10-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Surface	0.3	250	26.9		8.0		27.5		76.5		5.2		1.5		0.013	
16-10-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Surface	0.3	266	26.9		8.0		27.5		76.6		5.2		1.5		0.011	
16-10-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Middle				26.9	8.0	8.0		27.6	78.6		5.2			2.8		0.010
16-10-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Middle					8.0						5.5		4.2		0.009	
16-10-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Bottom	0.2	263	26.9		8.0		27.8		80.7		5.5	5.5	4.2		0.008	
16-10-21	Mid-Ebb	SR14A	Cloudy	Moderate	3.9	Bottom	0.2	269	26.9		8.0		27.8		80.7		5.5		4.2		0.008	
16-10-21	Mid-Flood	CEA	Sunny	Rough	3.8	Surface	0.1	63	27.2		7.9		23.2		84.8		5.9		2.5		0.015	
16-10-21	Mid-Flood	CEA	Sunny	Rough	3.8	Surface	0.1	69	27.2		7.9		23.3		84.7		5.9		2.5		0.014	
16-10-21	Mid-Flood	CEA	Sunny	Rough	3.8	Middle				27.1	7.9	7.9		25.2	80.1		5.9			3.1		0.010
16-10-21	Mid-Flood	CEA	Sunny	Rough	3.8	Middle					7.9						5.2		3.6		0.006	
16-10-21	Mid-Flood	CEA	Sunny	Rough	3.8	Bottom	0.1	83	27.0		7.9		27.1		75.4		5.2	5.2	3.6		0.003	
16-10-21	Mid-Flood	CEA	Sunny	Rough	3.8	Bottom	0.1	86	27.0		7.9		27.1		75.4		5.2		3.6		0.003	
16-10-21	Mid-Flood	CF	Sunny	Rough	14.8	Surface	0.3	27	26.8		8.1		28.3		88.4		6.0		2.4		0.018	
16-10-21	Mid-Flood	CF	Sunny	Rough	14.8	Surface	0.3	27	26.8		8.1		28.3		88.3		6.0		2.4		0.014	
16-10-21	Mid-Flood	CF	Sunny	Rough	14.8	Middle	0.3	27	26.7	26.7	8.1	8.1	29.8	29.3	85.5		5.7	5.9	4.1	3.1	0.009	0.009
16-10-21	Mid-Flood	CF	Sunny	Rough	14.8	Middle	0.4	27	26.7		8.1		29.8		84.2		5.7		4.1		0.008	
16-10-21	Mid-Flood	CF	Sunny	Rough	14.8	Bottom	0.3	28	26.7		8.1		29.9		83.9		5.7		2.6		0.004	
16-10-21	Mid-Flood	CF	Sunny	Rough	14.8	Bottom	0.3	28	26.7		8.1		29.9		84.0		5.7	5.7	2.7		0.003	
16-10-21	Mid-Flood	SR3A	Sunny	Rough	6.1	Surface	0.3	77	28.3		7.9		23.9		81.6		5.6		3.9		0.016	
16-10-21	Mid-Flood	SR3A	Sunny	Rough	6.1	Surface	0.3	82	28.3		7.9		23.9		81.6		5.6		3.9		0.015	
16-10-21	Mid-Flood	SR3A	Sunny	Rough	6.1	Middle	0.3	79	27.5	27.7	7.9	7.9	25.2	25.6	77.5		5.1	5.4	6.2	6.1	0.010	0.010
16-10-21	Mid-Flood	SR3A	Sunny	Rough	6.1	Middle	0.3	82	27.5		7.9		25.2		74.8		5.1		6.2		0.008	
16-10-21	Mid-Flood	SR3A	Sunny	Rough	6.1	Bottom	0.3	78	27.2		8.0		27.7		75.9		5.2	5.2	8.3		0.006	
16-10-21	Mid-Flood	SR3A	Sunny	Rough	6.1	Bottom	0.3	84	27.2		8.0		27.7		76.0		5.2		8.2		0.003	
16-10-21	Mid-Flood	SR5A	Sunny	Rough	6.0	Surface	0.2	38	27.3		8.1		30.0		84.5		5.7		2.6		0.017	
16-10-21	Mid-Flood	SR5A	Sunny	Rough	6.0	Surface	0.2	38	27.3		8.1		30.0		84.5		5.7		2.7		0.014	
16-10-21	Mid-Flood	SR5A	Sunny	Rough	6.0	Middle	0.2	48	27.1	27.2	8.1	8.1	30.1	30.1	83.8		5.6	5.6	6.1	5.5	0.011	0.011
16-10-21	Mid-Flood	SR5A	Sunny	Rough	6.0	Middle	0.2	48	27.1		8.1		30.1		83.0		5.6		6.1		0.009	
16-10-21	Mid-Flood	SR5A	Sunny	Rough	6.0	Bottom	0.1	33	27.1		8.1		30.1		83.8		5.6	5.6	7.6		0.004	
16-10-21	Mid-Flood	SR5A	Sunny	Rough	6.0	Bottom	0.1	35	27.1		8.1		30.1		83.9		5.6		7.6		0.003	
16-10-21	Mid-Flood	SR7	Sunny	Rough	16.1	Surface	0.4	28	27.0		8.1		27.8		88.0		6.0		3.5		0.019	
16-10-21	Mid-Flood	SR7	Sunny	Rough	1																	

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
20-10-21	Mid-Ebb	CEA	Sunny	Moderate	5.1	Surface	0.2	249	26.3		8.1		29.3		89.0		6.1		4.0		0.015	
20-10-21	Mid-Ebb	CEA	Sunny	Moderate	5.1	Surface	0.2	267	26.3		8.1		29.3		89.0		6.1		4.0		0.016	
20-10-21	Mid-Ebb	CEA	Sunny	Moderate	5.1	Middle				26.3	8.1	8.1		29.5		88.4		6.1		4.1		0.012
20-10-21	Mid-Ebb	CEA	Sunny	Moderate	5.1	Middle					8.2		29.7		87.8		6.0	6.0	4.2		0.009	
20-10-21	Mid-Ebb	CEA	Sunny	Moderate	5.1	Bottom	0.2	252	26.2		8.2		29.7		87.9		6.0	6.0	4.2		0.007	
20-10-21	Mid-Ebb	CF	Sunny	Rough	14.7	Surface	0.2	216	26.4		8.1		30.5		89.2		6.1		2.0		0.017	
20-10-21	Mid-Ebb	CF	Sunny	Rough	14.7	Surface	0.2	236	26.4		8.1		30.5		89.2		6.1		2.1		0.016	
20-10-21	Mid-Ebb	CF	Sunny	Rough	14.7	Middle	0.2	257	26.1	26.2	8.1	8.1	31.0	30.8	87.1	87.9	5.9	6.0	5.3	4.5	0.013	0.011
20-10-21	Mid-Ebb	CF	Sunny	Rough	14.7	Middle	0.2	215	26.1		8.1		31.0		87.1		5.9	5.9	5.3		0.011	
20-10-21	Mid-Ebb	CF	Sunny	Rough	14.7	Bottom	0.2	215	26.1		8.1		31.0		87.4		5.9	5.9	6.2		0.005	
20-10-21	Mid-Ebb	CF	Sunny	Rough	14.7	Bottom	0.2	227	26.1		8.1		31.0		87.4		5.9	5.9	6.2		0.002	
20-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Surface	0.2	253	27.0		8.1		29.1		93.4		6.3		3.5		0.014	
20-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Surface	0.3	253	27.0		8.1		29.1		93.4		6.3		3.5		0.013	
20-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Middle	0.2	257	26.6	26.7	8.1	8.1	29.8	29.6	88.1	89.5	6.0	6.2	4.7	4.8	0.009	0.008
20-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Middle	0.3	258	26.6		8.1		29.8		88.1		6.0	6.0	4.7		0.007	
20-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Bottom	0.2	259	26.5		8.1		29.8		86.9		5.9	5.9	6.2		0.004	
20-10-21	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Bottom	0.2	267	26.5		8.1		29.8		87.0		5.9	5.9	6.3		0.002	
20-10-21	Mid-Ebb	SR5A	Sunny	Rough	7.4	Surface	0.3	231	26.6		8.1		30.1		93.3		6.3		3.3		0.019	
20-10-21	Mid-Ebb	SR5A	Sunny	Rough	7.4	Surface	0.3	250	26.6		8.1		30.1		93.3		6.3		3.3		0.018	
20-10-21	Mid-Ebb	SR5A	Sunny	Rough	7.4	Middle	0.3	233	26.5	26.5	8.1	8.1	30.7	30.6	89.0	89.5	6.0	6.2	4.1	4.4	0.015	0.013
20-10-21	Mid-Ebb	SR5A	Sunny	Rough	7.4	Middle	0.3	250	26.5		8.1		30.7		89.2		6.0	6.0	4.1		0.013	
20-10-21	Mid-Ebb	SR5A	Sunny	Rough	7.4	Bottom	0.3	233	26.4		8.1		31.0		86.1		5.8	5.8	5.7		0.007	
20-10-21	Mid-Ebb	SR5A	Sunny	Rough	7.4	Bottom	0.3	253	26.4		8.1		31.0		86.2		5.8	5.8	5.8		0.005	
20-10-21	Mid-Ebb	SR7	Sunny	Rough	18.2	Surface	0.3	222	26.4		8.1		30.3		90.0		6.1		3.2		0.018	
20-10-21	Mid-Ebb	SR7	Sunny	Rough	18.2	Surface	0.3	241	26.4		8.1		30.3		90.0		6.1		3.2		0.017	
20-10-21	Mid-Ebb	SR7	Sunny	Rough	18.2	Middle	0.3	222	26.2	26.3	8.1	8.1	30.9	30.7	85.6	87.2	5.8	6.0	5.0	4.4	0.013	0.011
20-10-21	Mid-Ebb	SR7	Sunny	Rough	18.2	Middle	0.3	225	26.2		8.1		30.9		85.6		5.8	5.8	5.0		0.010	
20-10-21	Mid-Ebb	SR7	Sunny	Rough	18.2	Bottom	0.3	222	26.2		8.1		31.0		86.1		5.8	5.8	5.2		0.005	
20-10-21	Mid-Ebb	SR7	Sunny	Rough	18.2	Bottom	0.3	231	26.2		8.1		31.0		86.1		5.8	5.8	5.2		0.002	
20-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.2	Surface	0.3	248	26.4		8.1		29.9		87.8		6.0		4.2		0.010	
20-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.2	Surface	0.3	249	26.4		8.1		29.9		87.6		6.0		4.3		0.009	
20-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.2	Middle				26.4	8.1	8.1		30.0		87.3		6.0		4.7		0.007
20-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.2	Middle					8.1		30.1		86.8		5.9	5.1	5.1		0.005	
20-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.2	Bottom	0.2	250	26.3		8.1		30.0		86.9		5.9	5.9	5.1		0.003	
20-10-21	Mid-Ebb	SR14A	Sunny	Moderate	5.2	Bottom	0.2	253	26.3		8.1		30.0		86.9		5.9	5.9	5.1		0.003	
20-10-21	Mid-Flood	CEA	Fine	Moderate	4.6	Surface	0.3	84	26.1		8.1		29.3		87.7		6.0		3.7		0.012	
20-10-21	Mid-Flood	CEA	Fine	Moderate	4.6	Surface	0.3	87	26.1		8.1		29.3		87.7		6.0		3.7		0.011	
20-10-21	Mid-Flood	CEA	Fine	Moderate	4.6	Middle				26.1	8.1	8.1		29.4		87.4		6.0		4.0		0.010
20-10-21	Mid-Flood	CEA	Fine	Moderate	4.6	Middle					8.1		29.6		87.1		6.0	6.0	4.2		0.009	
20-10-21	Mid-Flood	CEA	Fine	Moderate	4.6	Bottom	0.3	77	26.1		8.1		29.6		87.1		6.0	6.0	4.3		0.007	
20-10-21	Mid-Flood	CF	Fine	Calm	17.5	Surface	0.4	337	26.1		8.1		29.5		88.3		6.1		3.7		0.018	
20-10-21	Mid-Flood	CF	Fine	Calm	17.5	Surface	0.4	357	26.1		8.1		29.5		88.3		6.1		3.8		0.015	
20-10-21	Mid-Flood	CF	Fine	Calm	17.5	Middle	0.3	336	26.2	26.1	8.1	8.1	30.3	30.0	86.3	86.9	5.9	6.0	4.9	5.4	0.011	0.009
20-10-21	Mid-Flood	CF	Fine	Calm	17.5	Middle	0.4	350	26.2		8.1		30.3		86.3		5.9	5.9	5.0		0.009	
20-10-21	Mid-Flood	CF	Fine	Calm	17.5	Bottom	0.4	337	26.1		8.0		30.3		86.0		5.9	5.9	7.5		0.006	
20-10-21	Mid-Flood	CF	Fine	Calm	17.5	Bottom	0.4	310	26.1		8.0		30.3		86.1		5.9	5.9	7.5		0.004	
20-10-21	Mid-Flood	SR3A	Fine	Moderate	7.5	Surface	0.2	311	26.6		8.0		29.6		87.5		6.0		2.6		0.019	
20-10-21	Mid-Flood	SR3A	Fine	Moderate	7.5	Surface	0.2	327	26.6		8.0		29.6		87.5		6.0		2.6		0.017	
20-10-21	Mid-Flood	SR3A	Fine	Moderate	7.5	Middle	0.2	312	26.6	26.6	8.0	8.0	29.6	29.7	87.7	87.8	6.0	6.0	5.3	4.7	0.011	0.010
20-10-21	Mid-Flood	SR3A	Fine	Moderate	7.5	Middle	0.2	334	26.6		8.0		29.6		87.7		6.0	6.0	5.4		0.010	
20-10-21	Mid-Flood	SR3A	Fine	Moderate	7.5	Bottom	0.2	312	26.6		8.1		29.9		88.1		6.0	6.0	6.2		0.005	
20-10-21	Mid-Flood	SR3A	Fine	Moderate	7.5	Bottom	0.3	342	26.6		8.1		29.9		88.1		6.0	6.0	6.3		0.003	
20-10-21	Mid-Flood	SR5A	Fine	Calm	7.3	Surface	0.2	288	26.1		8.1		30.8		83.2		5.7		3.2		0.019	
20-10-21	Mid-Flood	SR5A	Fine	Calm	7.3	Surface	0.3	315	26.1		8.1		30.8		83.2		5.7		3.2		0.018	
20-10-21	Mid-Flood	SR5A	Fine	Calm	7.3	Middle	0.3	288	26.1	26.1	8.1	8.1	31.0	31.0	82.9	82.9	5.6	5.7	4.4	4.3	0.012	0.010
20-10-21	Mid-Flood	SR5A	Fine	Calm	7.3	Middle	0.3	295	26.1		8.1		31.0		83.0		5.6	5.6	4.5		0.010	
20-10-21	Mid-Flood	SR5A	Fine	Calm	7.3	Bottom	0.3	286	26.2		8.1		31.1		82.5		5.6	5.6	5.2		0.004	
20-10-21	Mid-Flood	SR5A	Fine	Calm	7.3	Bottom	0.3	298	26.2		8.1		31.1		82.5		5.6	5.6	5.2		0.002	
20-10-21	Mid-Flood	SR7	Fine	Calm	17.9	Surface	0.3	44	26.1		8.1		29.5		87.9		6.0		3.9		0.016	
20-10-21	Mid-Flood	SR7	Fine	Calm	17.9	Surface	0.3	45	26.1		8.1		29.5		87.9		6.0		3.9		0.014	
20-10-21	Mid-Flood	SR7	Fine	Calm	17.9	Middle	0.3															

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea	Water	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
			Condition	Condition	Depth (m)				Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
27-10-21	Mid-Ebb	CEA	Fine	Calm	4.2	Surface	0.2	188	25.8		8.0		31.1		99.2		6.8		5.3		0.012	
27-10-21	Mid-Ebb	CEA	Fine	Calm	4.2	Surface	0.2	197	25.8		8.0		31.2		99.0		6.8		5.2		0.013	
27-10-21	Mid-Ebb	CEA	Fine	Calm	4.2	Middle				25.8		8.0		31.2		99.0		6.8		5.8		0.014
27-10-21	Mid-Ebb	CEA	Fine	Calm	4.2	Middle																
27-10-21	Mid-Ebb	CEA	Fine	Calm	4.2	Bottom	0.1	134	25.8		8.0		31.3		98.8		6.8		6.5		0.015	
27-10-21	Mid-Ebb	CEA	Fine	Calm	4.2	Bottom	0.1	147	25.8		8.0		31.3		98.9		6.8		6.4		0.016	
27-10-21	Mid-Ebb	CF	Fine	Calm	16.0	Surface	0.2	182	25.4		8.0		31.8		98.4		6.7		4.6		0.017	
27-10-21	Mid-Ebb	CF	Fine	Calm	16.0	Surface	0.2	185	25.4		8.0		31.9		98.1		6.7		4.5		0.018	
27-10-21	Mid-Ebb	CF	Fine	Calm	16.0	Middle	0.2	231	25.2	25.3		8.0		32.2		97.0		6.7		5.2		0.004
27-10-21	Mid-Ebb	CF	Fine	Calm	16.0	Middle	0.2	235	25.2		8.0		32.2		97.0		6.7		5.1		0.005	
27-10-21	Mid-Ebb	CF	Fine	Calm	16.0	Bottom	0.3	208	25.2		8.0		32.2		97.4		6.7		6.0		0.011	
27-10-21	Mid-Ebb	CF	Fine	Calm	16.0	Bottom	0.3	212	25.2		8.0		32.2		97.5		6.7		6.1		0.012	
27-10-21	Mid-Ebb	SR3A	Fine	Calm	7.2	Surface	0.2	165	25.8		8.0		31.1		94.8		6.5		7.7		0.003	
27-10-21	Mid-Ebb	SR3A	Fine	Calm	7.2	Surface	0.2	179	25.8		8.0		31.1		94.8		6.5		7.7		0.004	
27-10-21	Mid-Ebb	SR3A	Fine	Calm	7.2	Middle	0.1	139	25.9	25.9		8.0		31.4		94.3		6.4		8.7		0.006
27-10-21	Mid-Ebb	SR3A	Fine	Calm	7.2	Middle	0.1	147	25.9		8.0		31.5		94.3		6.4		8.6		0.007	
27-10-21	Mid-Ebb	SR3A	Fine	Calm	7.2	Bottom	0.1	174	25.9		8.0		31.5		94.2		6.4		9.2		0.009	
27-10-21	Mid-Ebb	SR3A	Fine	Calm	7.2	Bottom	0.1	178	25.9		8.0		31.5		94.2		6.4		9.1		0.008	
27-10-21	Mid-Ebb	SR5A	Fine	Calm	7.2	Surface	0.1	146	25.8		8.0		32.8		93.9		6.4		6.0		0.018	
27-10-21	Mid-Ebb	SR5A	Fine	Calm	7.2	Surface	0.1	153	25.8		8.0		32.8		93.9		6.4		6.0		0.016	
27-10-21	Mid-Ebb	SR5A	Fine	Calm	7.2	Middle	0.1	272	25.8	25.8		8.0		32.8		93.8		6.3		7.9		0.015
27-10-21	Mid-Ebb	SR5A	Fine	Calm	7.2	Middle	0.1	278	25.8		8.0		32.8		93.7		6.3		7.8		0.014	
27-10-21	Mid-Ebb	SR5A	Fine	Calm	7.2	Bottom	0.1	211	25.8		8.0		32.8		93.7		6.3		8.2		0.013	
27-10-21	Mid-Ebb	SR5A	Fine	Calm	7.2	Bottom	0.1	223	25.8		8.1		32.7		93.9		6.4		8.1		0.012	
27-10-21	Mid-Ebb	SR7	Fine	Calm	17.2	Surface	0.2	159	25.4		8.0		31.8		96.8		6.6		4.2		0.011	
27-10-21	Mid-Ebb	SR7	Fine	Calm	17.2	Surface	0.2	174	25.3		8.0		32.0		96.4		6.6		4.1		0.010	
27-10-21	Mid-Ebb	SR7	Fine	Calm	17.2	Middle	0.2	220	25.2	25.3		8.0		32.4		96.6		6.6		6.1		0.010
27-10-21	Mid-Ebb	SR7	Fine	Calm	17.2	Middle	0.2	237	25.2		8.0		32.4		95.7		6.6		6.1		0.011	
27-10-21	Mid-Ebb	SR7	Fine	Calm	17.2	Bottom	0.2	221	25.3		7.9		32.3		96.2		6.6		7.1		0.004	
27-10-21	Mid-Ebb	SR7	Fine	Calm	17.2	Bottom	0.2	233	25.4		7.9		32.2		96.3		6.6		7.0		0.004	
27-10-21	Mid-Ebb	SR14A	Fine	Calm	4.4	Surface	0.3	148	25.5		8.0		31.4		100.1		6.9		4.8		0.007	
27-10-21	Mid-Ebb	SR14A	Fine	Calm	4.4	Surface	0.3	160	25.5		8.0		31.4		100.0		6.9		4.7		0.008	
27-10-21	Mid-Ebb	SR14A	Fine	Calm	4.4	Middle				25.5		7.9		31.4		100.6		6.9		5.1		0.008
27-10-21	Mid-Ebb	SR14A	Fine	Calm	4.4	Middle																
27-10-21	Mid-Ebb	SR14A	Fine	Calm	4.4	Bottom	0.1	156	25.5		7.9		31.4		100.9		6.9		5.5		0.009	
27-10-21	Mid-Ebb	SR14A	Fine	Calm	4.4	Bottom	0.1	157	25.5		7.9		31.3		101.3		7.0		5.4		0.008	
27-10-21	Mid-Flood	CEA	Fine	Calm	4.2	Surface	0.1	37	25.9		8.0		31.3		98.2		6.7		5.9		0.007	
27-10-21	Mid-Flood	CEA	Fine	Calm	4.2	Surface	0.2	38	25.9		8.0		31.3		98.1		6.7		5.9		0.008	
27-10-21	Mid-Flood	CEA	Fine	Calm	4.2	Middle				25.9		8.0		31.3		97.9		6.7		6.1		0.006
27-10-21	Mid-Flood	CEA	Fine	Calm	4.2	Middle																
27-10-21	Mid-Flood	CEA	Fine	Calm	4.2	Bottom	0.2	26	25.9		8.0		31.4		97.7		6.7		6.3		0.003	
27-10-21	Mid-Flood	CEA	Fine	Calm	4.2	Bottom	0.2	28	25.9		8.0		31.4		97.7		6.7		6.3		0.004	
27-10-21	Mid-Flood	CF	Fine	Calm	17.0	Surface	0.2	355	25.4		8.0		32.0		102.9		7.0		6.0		0.002	
27-10-21	Mid-Flood	CF	Fine	Calm	17.0	Surface	0.2	327	25.4		8.0		32.0		101.9		7.0		6.1		0.003	
27-10-21	Mid-Flood	CF	Fine	Calm	17.0	Middle	0.3	345	25.5	25.4		8.0		32.6		96.7		6.6		7.1		0.011
27-10-21	Mid-Flood	CF	Fine	Calm	17.0	Middle	0.3	352	25.5		8.0		32.6		96.8		6.6		7.1		0.010	
27-10-21	Mid-Flood	CF	Fine	Calm	17.0	Bottom	0.2	334	25.4		8.0		32.6		98.1		6.7		6.9		0.004	
27-10-21	Mid-Flood	CF	Fine	Calm	17.0	Bottom	0.2	338	25.4		8.0		32.6		98.3		6.7		6.9		0.005	
27-10-21	Mid-Flood	SR3A	Fine	Calm	7.2	Surface	0.0	102	26.0		7.9		31.3		96.0		6.5		6.7		0.009	
27-10-21	Mid-Flood	SR3A	Fine	Calm	7.2	Surface	0.0	110	26.0		7.9		31.3		96.0		6.5		6.7		0.008	
27-10-21	Mid-Flood	SR3A	Fine	Calm	7.2	Middle	0.1	31	25.9	25.9		7.9		31.8		96.2		6.5		7.3		0.012
27-10-21	Mid-Flood	SR3A	Fine	Calm	7.2	Middle	0.1	31	25.9		7.9		31.8		96.2		6.5		7.3		0.014	
27-10-21	Mid-Flood	SR3A	Fine	Calm	7.2	Bottom	0.2	62	25.9		7.9		31.8		96.8		6.6		8.0		0.011	
27-10-21	Mid-Flood	SR3A	Fine	Calm	7.2	Bottom	0.2	62	25.9		7.9		31.8		97.1		6.6		8.1		0.010	
27-10-21	Mid-Flood	SR5A	Fine	Calm	7.4	Surface	0.1	10	25.9		8.0		32.7		93.9		6.4		7.3		0.015	
27-10-21	Mid-Flood	SR5A	Fine	Calm	7.4	Surface	0.1	10	25.9		8.0		32.7		93.9		6.4		7.3		0.016	
27-10-21	Mid-Flood	SR5A	Fine	Calm	7.4	Middle	0.1	18	25.9	25.9		8.0		32.7		94.0		6.4		8.6		0.006
27-10-21	Mid-Flood	SR5A	Fine	Calm	7.4	Middle	0.1	18	25.9		8.0		32.7		93.9		6.4		8.5		0.007	
27-10-21	Mid-Flood	SR5A	Fine	Calm	7.4	Bottom	0.1	15	25.9		8.1		32.7		94.1		6.4		9.1		0.008	
27-10-21	Mid-Flood	SR5A	Fine	Calm	7.4	Bottom	0.1	15	25.9		8.1		32.7		94.2		6.4		9.1		0.010	
27-10-21	Mid-Flood	SR7	Fine	Calm	17.8	Surface	0.2	16	25.5		8.0		32.0		102.6		7.0		5.1		0.002	
27-10-21	Mid-Flood	SR7	Fine	Calm	17.8	Surface	0.2	16	25.5		8.0		32.2		101.5		6.9		5.1		0.003	
27-10-21	Mid-Flood	SR7	Fine	Calm	17.8	Middle	0.3	0	25.6	25.6		8.0		32.7		93.5		6.4		6.8		0.005

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
03-11-21	Mid-Ebb	CEA	Sunny	Moderate	5.0	Surface	0.1	230	26.2		7.9		31.4		98.8		6.7		5.0		0.012	
03-11-21	Mid-Ebb	CEA	Sunny	Moderate	5.0	Surface	0.1	248	26.2		7.9		31.4		98.8		6.7		5.0		0.019	
03-11-21	Mid-Ebb	CEA	Sunny	Moderate	5.0	Middle				26.0	7.9	7.9	31.4	31.4	97.1	97.1	6.5	6.5	5.1	5.1	0.005	0.011
03-11-21	Mid-Ebb	CEA	Sunny	Moderate	5.0	Middle					7.9	7.9	31.5	31.5	95.3	95.3	6.5	6.5	5.2	5.2	0.008	0.008
03-11-21	Mid-Ebb	CEA	Sunny	Moderate	5.0	Bottom	0.1	216	25.8		7.9		31.5		95.3		6.5	6.5	5.1	5.1	0.005	0.008
03-11-21	Mid-Ebb	CEA	Sunny	Moderate	5.0	Bottom	0.1	225	25.8		7.9		31.5		95.3		6.5	6.5	5.2	5.2	0.005	0.008
03-11-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Surface	0.7	162	25.7		8.0		32.3		99.5		6.8	6.8	5.6	5.6	0.019	0.011
03-11-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Surface	0.7	167	25.7		8.0		32.3		99.5		6.8	6.8	5.7	5.7	0.021	0.011
03-11-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Middle	0.7	161	25.7		8.0	8.0	32.5	32.6	99.0	99.1	6.7	6.7	7.2	7.2	0.010	0.011
03-11-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Middle	0.7	164	25.7		8.0	8.0	32.5	32.5	99.0	99.0	6.7	6.7	7.2	7.2	0.007	0.011
03-11-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Bottom	0.6	147	25.7		8.0		32.9		98.9		6.7	6.7	12.1	12.1	0.005	0.011
03-11-21	Mid-Ebb	CF	Sunny	Moderate	15.8	Bottom	0.7	157	25.7		8.0		32.9		98.8		6.7	6.7	12.2	12.2	0.005	0.011
03-11-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Surface	0.2	232	26.3		7.9		31.1		97.0		6.6	6.6	5.9	5.9	0.018	0.010
03-11-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Surface	0.2	232	26.3		7.9		31.1		97.0		6.6	6.6	5.9	5.9	0.017	0.010
03-11-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Middle	0.1	248	26.0		8.0	7.9	31.6	31.5	96.3	96.1	6.5	6.5	5.5	5.5	0.012	0.010
03-11-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Middle	0.1	255	26.0		8.0	8.0	31.6	31.5	96.1	96.1	6.5	6.5	5.5	5.5	0.009	0.010
03-11-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Bottom	0.1	247	25.9		8.0		31.7		95.0		6.5	6.5	6.2	6.2	0.002	0.010
03-11-21	Mid-Ebb	SR3A	Sunny	Moderate	7.4	Bottom	0.1	258	25.9		8.0		31.7		95.1		6.5	6.5	6.4	6.4	0.001	0.010
03-11-21	Mid-Ebb	SR5A	Sunny	Moderate	8.0	Surface	0.0	268	26.0		8.0		32.4		96.9		6.6	6.6	4.9	4.9	0.019	0.010
03-11-21	Mid-Ebb	SR5A	Sunny	Moderate	8.0	Surface	0.0	269	26.0		8.0		32.4		96.9		6.6	6.6	4.9	4.9	0.017	0.010
03-11-21	Mid-Ebb	SR5A	Sunny	Moderate	8.0	Middle	0.0	201	25.8		8.0	8.0	32.6	32.5	95.2	96.0	6.5	6.5	6.3	6.3	0.010	0.010
03-11-21	Mid-Ebb	SR5A	Sunny	Moderate	8.0	Middle	0.0	201	25.8		8.0	8.0	32.6	32.5	95.3	96.0	6.5	6.5	6.2	6.2	0.009	0.010
03-11-21	Mid-Ebb	SR5A	Sunny	Moderate	8.0	Bottom	0.0	30	25.8		8.0		32.6		95.7		6.5	6.5	6.0	6.0	0.004	0.010
03-11-21	Mid-Ebb	SR5A	Sunny	Moderate	8.0	Bottom	0.0	30	25.8		8.0		32.6		95.7		6.5	6.5	6.0	6.0	0.004	0.010
03-11-21	Mid-Ebb	SR7	Sunny	Moderate	0.7	Surface	0.5	156	25.9		8.0		32.0		100.3		6.8	6.8	5.1	5.1	0.005	0.004
03-11-21	Mid-Ebb	SR7	Sunny	Moderate	0.7	Surface	0.5	159	25.9		8.0		32.0		100.3		6.8	6.8	5.1	5.1	0.004	0.004
03-11-21	Mid-Ebb	SR7	Sunny	Moderate	0.7	Middle	0.5	162	25.6		8.0	8.0	32.5	32.3	96.9	98.2	6.6	6.7	10.8	10.8	0.006	0.004
03-11-21	Mid-Ebb	SR7	Sunny	Moderate	0.7	Middle	0.5	175	25.6		8.0	8.0	32.5	32.3	96.9	98.2	6.6	6.7	11.0	11.0	0.002	0.004
03-11-21	Mid-Ebb	SR7	Sunny	Moderate	0.7	Bottom	0.4	153	25.6		8.0		32.6		97.5		6.6	6.6	18.6	18.6	0.002	0.004
03-11-21	Mid-Ebb	SR7	Sunny	Moderate	0.7	Bottom	0.4	165	25.6		8.0		32.6		97.5		6.6	6.6	18.3	18.3	0.002	0.004
03-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.3	Surface	0.2	211	25.8		8.0		31.2		98.1		6.7	6.7	3.5	3.5	0.016	0.011
03-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.3	Surface	0.2	219	25.8		8.0		31.2		98.1		6.7	6.7	3.5	3.5	0.021	0.011
03-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.3	Middle				25.8	7.9	7.9	31.4	31.4	96.2	96.2	6.4	6.4	9.8	9.8	0.003	0.011
03-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.3	Middle					7.9	7.9	31.7	31.7	94.4	94.4	6.4	6.4	10.2	10.2	0.003	0.011
03-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.3	Bottom	0.2	224	25.8		7.9		31.6		94.3		6.4	6.4	9.8	9.8	0.003	0.011
03-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.3	Bottom	0.2	231	25.8		7.9		31.7		94.4		6.4	6.4	10.2	10.2	0.004	0.011
03-11-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Surface	0.3	42	26.3		7.9		29.8		101.8		7.0	7.0	8.8	8.8	0.012	0.008
03-11-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Surface	0.3	42	26.3		7.9		29.8		101.7		6.9	6.9	8.9	8.9	0.015	0.008
03-11-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Middle				26.3	7.9	7.9	29.8	29.8	101.4	101.4	6.9	6.9	11.3	11.3	0.002	0.008
03-11-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Middle					7.9	7.9	29.9	29.9	101.1	101.1	6.9	6.9	11.3	11.3	0.002	0.008
03-11-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Bottom	0.2	47	26.2		7.9		29.9		101.1		6.9	6.9	11.3	11.3	0.002	0.008
03-11-21	Mid-Flood	CEA	Cloudy	Moderate	3.6	Bottom	0.3	48	26.2		7.9		29.9		101.1		6.9	6.9	11.3	11.3	0.004	0.008
03-11-21	Mid-Flood	CF	Cloudy	Moderate	16.3	Surface	0.5	332	25.9		8.0		31.0		100.4		6.8	6.8	4.8	4.8	0.026	0.013
03-11-21	Mid-Flood	CF	Cloudy	Moderate	16.3	Surface	0.5	346	25.9		8.0		31.0		100.3		6.8	6.8	4.8	4.8	0.020	0.013
03-11-21	Mid-Flood	CF	Cloudy	Moderate	16.3	Middle	0.4	339	25.8		8.0	8.0	31.8	31.5	96.9	98.4	6.6	6.7	8.8	8.8	0.014	0.013
03-11-21	Mid-Flood	CF	Cloudy	Moderate	16.3	Middle	0.4	312	25.8		8.0	8.0	31.8	31.8	96.9	98.4	6.6	6.6	8.6	8.6	0.015	0.013
03-11-21	Mid-Flood	CF	Cloudy	Moderate	16.3	Bottom	0.3	339	25.8		8.0		31.8		97.7		6.6	6.6	19.5	19.5	0.002	0.013
03-11-21	Mid-Flood	CF	Cloudy	Moderate	16.3	Bottom	0.3	349	25.8		8.0		31.8		98.0		6.7	6.7	19.5	19.5	0.002	0.013
03-11-21	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Surface	0.0	30	26.5		7.9		30.2		97.5		6.6	6.6	11.7	11.7	0.021	0.009
03-11-21	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Surface	0.0	31	26.5		7.9		30.2		97.5		6.6	6.6	11.7	11.7	0.014	0.009
03-11-21	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Middle	0.1	74	26.5		7.9	7.9	30.3	30.3	97.1	97.4	6.6	6.6	12.5	12.5	0.007	0.009
03-11-21	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Middle	0.1	78	26.5		7.9	7.9	30.3	30.3	97.1	97.4	6.6	6.6	13.5	13.5	0.010	0.009
03-11-21	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Bottom	0.1	80	26.5		7.9		30.4		97.5		6.6	6.6	13.4	13.4	0.002	0.009
03-11-21	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Bottom	0.1	87	26.5		7.9		30.4		97.6		6.6	6.6	13.1	13.1	0.002	0.009
03-11-21	Mid-Flood	SR5A	Cloudy	Moderate	6.1	Surface	0.2	319	26.3		8.0		32.4		96.5		6.5	6.5	8.4	8.4	0.023	0.014
03-11-21	Mid-Flood	SR5A	Cloudy	Moderate	6.1	Surface	0.2	326	26.3		8.0		32.4		96.5		6.5	6.5	8.5	8.5	0.028	0.014
03-11-21	Mid-Flood	SR5A	Cloudy	Moderate	6.1	Middle	0.2	323	26.3		8.0	8.0										

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
10-11-21	Mid-Ebb	CEA	Fine	Rough	4.2	Surface	0.1	269	23.9		8.1		29.1		90.5		6.5		3.3		0.016	
10-11-21	Mid-Ebb	CEA	Fine	Rough	4.2	Surface	0.1	278	23.9		8.1		29.1		90.5		6.5		3.3		0.015	
10-11-21	Mid-Ebb	CEA	Fine	Rough	4.2	Middle				23.9	8.1			29.2		89.9		6.5		3.8		0.013
10-11-21	Mid-Ebb	CEA	Fine	Rough	4.2	Middle					8.1						6.4	6.4	4.3		0.011	
10-11-21	Mid-Ebb	CEA	Fine	Rough	4.2	Bottom	0.1	269	23.9		8.1		29.3		89.3		6.4	6.4	4.3		0.010	
10-11-21	Mid-Ebb	CEA	Fine	Rough	4.2	Bottom	0.1	286	23.9		8.1		29.3		89.4		6.4	6.4	4.3		0.010	
10-11-21	Mid-Ebb	CF	Fine	Rough	14.6	Surface	0.4	257	24.0		8.1		29.5		91.3		6.5	6.4	5.3		0.019	
10-11-21	Mid-Ebb	CF	Fine	Rough	14.6	Surface	0.4	278	24.0		8.1		29.5		91.2		6.5	6.4	5.3		0.018	
10-11-21	Mid-Ebb	CF	Fine	Rough	14.6	Middle	0.4	225	24.1	24.1	8.1		30.0		89.0		6.3	6.4	4.6		0.011	
10-11-21	Mid-Ebb	CF	Fine	Rough	14.6	Middle	0.4	232	24.1		8.1		30.0		89.0		6.3	6.4	4.7		0.010	
10-11-21	Mid-Ebb	CF	Fine	Rough	14.6	Bottom	0.3	201	24.1		8.1		30.0		89.1		6.3	6.3	4.3		0.008	
10-11-21	Mid-Ebb	CF	Fine	Rough	14.6	Bottom	0.3	205	24.1		8.1		30.0		89.1		6.3	6.3	4.3		0.007	
10-11-21	Mid-Ebb	SR3A	Fine	Rough	6.3	Surface	0.3	237	23.3		8.0		28.2		89.4		6.5	6.5	8.3		0.018	
10-11-21	Mid-Ebb	SR3A	Fine	Rough	6.3	Surface	0.3	250	23.3		8.0		28.2		89.4		6.5	6.5	8.3		0.015	
10-11-21	Mid-Ebb	SR3A	Fine	Rough	6.3	Middle	0.2	268	23.2	23.4	8.0		28.1		89.1		6.5	6.5	8.1		0.013	
10-11-21	Mid-Ebb	SR3A	Fine	Rough	6.3	Middle	0.2	279	23.2		8.0		28.2		89.1		6.5	6.5	8.2		0.011	
10-11-21	Mid-Ebb	SR3A	Fine	Rough	6.3	Bottom	0.1	273	23.6		8.0		28.8		89.4		6.4	6.4	6.8		0.009	
10-11-21	Mid-Ebb	SR3A	Fine	Rough	6.3	Bottom	0.1	292	23.6		8.0		28.8		89.5		6.4	6.4	6.9		0.007	
10-11-21	Mid-Ebb	SR5A	Fine	Rough	7.2	Surface	0.2	242	23.8		8.1		30.3		90.6		6.4	6.4	2.2		0.020	
10-11-21	Mid-Ebb	SR5A	Fine	Rough	7.2	Surface	0.2	256	23.8		8.1		30.3		90.6		6.4	6.4	2.1		0.019	
10-11-21	Mid-Ebb	SR5A	Fine	Rough	7.2	Middle	0.2	225	23.5	23.6	8.1		30.4		89.5		6.4	6.4	5.1		0.014	
10-11-21	Mid-Ebb	SR5A	Fine	Rough	7.2	Middle	0.2	235	23.5		8.1		30.4		89.6		6.4	6.4	5.1		0.011	
10-11-21	Mid-Ebb	SR5A	Fine	Rough	7.2	Bottom	0.1	209	23.4		8.1		30.4		91.7		6.6	6.6	8.9		0.005	
10-11-21	Mid-Ebb	SR5A	Fine	Rough	7.2	Bottom	0.1	210	23.4		8.1		30.4		91.7		6.6	6.6	9.0		0.002	
10-11-21	Mid-Ebb	SR7	Fine	Rough	17.4	Surface	0.3	249	23.9		8.1		29.5		91.5		6.5	6.4	4.7		0.017	
10-11-21	Mid-Ebb	SR7	Fine	Rough	17.4	Surface	0.3	269	23.9		8.1		29.5		91.5		6.5	6.4	4.7		0.015	
10-11-21	Mid-Ebb	SR7	Fine	Rough	17.4	Middle	0.4	221	24.1	24.1	8.1		30.1		88.5		6.3	6.4	2.4		0.012	
10-11-21	Mid-Ebb	SR7	Fine	Rough	17.4	Middle	0.5	227	24.1		8.1		30.1		88.5		6.3	6.4	2.7		0.011	
10-11-21	Mid-Ebb	SR7	Fine	Rough	17.4	Bottom	0.5	216	24.3		8.1		30.4		88.2		6.2	6.2	3.6		0.004	
10-11-21	Mid-Ebb	SR7	Fine	Rough	17.4	Bottom	0.5	221	24.3		8.1		30.4		88.2		6.2	6.2	3.6		0.002	
10-11-21	Mid-Ebb	SR14A	Fine	Rough	3.8	Surface	0.1	259	24.5		8.1		29.8		92.3		6.5	6.5	3.2		0.014	
10-11-21	Mid-Ebb	SR14A	Fine	Rough	3.8	Surface	0.1	268	24.5		8.1		29.8		92.3		6.5	6.5	3.2		0.011	
10-11-21	Mid-Ebb	SR14A	Fine	Rough	3.8	Middle				24.3	8.1			30.0		91.0		6.5	6.5	2.8		0.009
10-11-21	Mid-Ebb	SR14A	Fine	Rough	3.8	Middle					8.1						6.4	6.4	2.5		0.009	
10-11-21	Mid-Ebb	SR14A	Fine	Rough	3.8	Bottom	0.1	214	24.1		8.1		30.1		89.7		6.4	6.4	2.5		0.002	
10-11-21	Mid-Ebb	SR14A	Fine	Rough	3.8	Bottom	0.1	222	24.1		8.1		30.1		89.7		6.4	6.4	2.5		0.002	
10-11-21	Mid-Flood	CEA	Sunny	Rough	4.1	Surface	0.4	124	23.9		8.1		28.8		91.8		6.6	6.6	4.5		0.016	
10-11-21	Mid-Flood	CEA	Sunny	Rough	4.1	Surface	0.4	128	23.9		8.1		28.8		91.7		6.6	6.6	4.5		0.014	
10-11-21	Mid-Flood	CEA	Sunny	Rough	4.1	Middle				24.0	8.1			29.1		90.6		6.6	6.6	4.2		0.013
10-11-21	Mid-Flood	CEA	Sunny	Rough	4.1	Middle					8.1						6.4	6.4	3.9		0.011	
10-11-21	Mid-Flood	CEA	Sunny	Rough	4.1	Bottom	0.4	73	24.1		8.1		29.5		89.5		6.4	6.4	3.9		0.009	
10-11-21	Mid-Flood	CEA	Sunny	Rough	4.1	Bottom	0.4	73	24.1		8.1		29.5		89.5		6.4	6.4	3.9		0.009	
10-11-21	Mid-Flood	CF	Sunny	Rough	15.6	Surface	0.4	46	23.8		8.1		30.0		93.3		6.6	6.6	2.9		0.016	
10-11-21	Mid-Flood	CF	Sunny	Rough	15.6	Surface	0.4	48	23.8		8.1		30.0		93.3		6.6	6.6	2.9		0.014	
10-11-21	Mid-Flood	CF	Sunny	Rough	15.6	Middle	0.4	322	23.8	23.7	8.1		30.2		93.1		6.6	6.6	3.0		0.010	
10-11-21	Mid-Flood	CF	Sunny	Rough	15.6	Middle	0.4	349	23.8		8.1		30.2		93.1		6.6	6.6	3.1		0.008	
10-11-21	Mid-Flood	CF	Sunny	Rough	15.6	Bottom	0.4	322	23.6		8.2		30.9		94.7		6.7	6.7	5.0		0.006	
10-11-21	Mid-Flood	CF	Sunny	Rough	15.6	Bottom	0.4	332	23.6		8.2		30.9		94.7		6.7	6.7	5.0		0.002	
10-11-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Surface	0.3	348	23.6		8.0		28.6		88.9		6.4	6.4	4.2		0.017	
10-11-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Surface	0.3	357	23.6		8.0		28.6		88.9		6.4	6.4	4.2		0.014	
10-11-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Middle	0.3	93	23.6	23.7	8.0		29.0		87.6		6.3	6.3	6.1		0.010	
10-11-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Middle	0.3	100	23.6		8.0		29.0		87.6		6.3	6.3	6.1		0.008	
10-11-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Bottom	0.4	79	23.8		8.1		29.5		88.7		6.3	6.3	4.6		0.004	
10-11-21	Mid-Flood	SR3A	Sunny	Moderate	7.5	Bottom	0.4	84	23.8		8.1		29.5		88.7		6.3	6.3	4.6		0.002	
10-11-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Surface	0.4	89	24.3		8.1		30.3		90.5		6.4	6.4	3.6		0.019	
10-11-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Surface	0.4	94	24.3		8.1		30.3		90.5		6.4	6.4	3.7		0.018	
10-11-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Middle	0.4	108	24.2	24.2	8.1		30.3		90.3		6.4	6.4	2.4		0.012	
10-11-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Middle	0.4	112	24.1		8.1		30.3		90.3		6.4	6.4	2.4		0.011	
10-11-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Bottom	0.4	210	24.1		8.1		30.3		90.5		6.4	6.4	8.8		0.004	
10-11-21	Mid-Flood	SR5A	Sunny	Moderate	6.9	Bottom	0.4	218	24.1		8.1		30.3		90.6		6.4	6.4	8.8		0.003	
10-11-21	Mid-Flood	SR7	Sunny	Rough	16.8	Surface	0.4	75	23.9		8.1		29.4		94.0		6.7	6.6	3.5		0.017	
10-11-21	Mid-Flood	SR7	Sunny	Rough</																		

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
17-11-21	Mid-Ebb	CEA	Sunny	Moderate	4.7	Surface	0.3	224	23.5		8.0		30.3		100.9		7.2		5.4		0.014	
17-11-21	Mid-Ebb	CEA	Sunny	Moderate	4.7	Surface	0.3	246	23.5		8.0		30.3		100.7		7.2		5.4		0.012	
17-11-21	Mid-Ebb	CEA	Sunny	Moderate	4.7	Middle				23.6	8.0	8.0	30.9	30.9	98.6	98.6	7.2	7.2	5.4	5.4	7.2	0.010
17-11-21	Mid-Ebb	CEA	Sunny	Moderate	4.7	Middle					8.0	8.0	31.5	31.5	96.3	96.3	6.8	6.8	9.1	9.1	0.009	0.005
17-11-21	Mid-Ebb	CEA	Sunny	Moderate	4.7	Bottom	0.3	221	23.7		8.0		31.4		96.3		6.8		9.1		0.005	0.005
17-11-21	Mid-Ebb	CF	Sunny	Rough	16.5	Surface	0.3	161	23.6		8.1		32.1		105.4		7.4		4.7		0.018	
17-11-21	Mid-Ebb	CF	Sunny	Rough	16.5	Surface	0.3	167	23.7		8.1		32.1		105.4		7.4		4.6		0.015	
17-11-21	Mid-Ebb	CF	Sunny	Rough	16.5	Middle	0.3	177	23.7		8.1		32.3		106.6		7.5		5.0		0.011	
17-11-21	Mid-Ebb	CF	Sunny	Rough	16.5	Middle	0.3	183	23.7		8.1		32.3		106.7		7.5		5.0		0.010	
17-11-21	Mid-Ebb	CF	Sunny	Rough	16.5	Bottom	0.1	244	23.7		8.1		32.7		108.4		7.6		5.8		0.005	
17-11-21	Mid-Ebb	CF	Sunny	Rough	16.5	Bottom	0.1	246	23.7		8.1		32.7		108.4		7.6		5.8		0.002	
17-11-21	Mid-Ebb	SR3A	Sunny	Moderate	8.1	Surface	0.1	248	23.8		8.0		30.5		98.9		7.0		6.7		0.016	
17-11-21	Mid-Ebb	SR3A	Sunny	Moderate	8.1	Surface	0.1	257	23.8		8.0		30.5		98.8		7.0		6.8		0.015	
17-11-21	Mid-Ebb	SR3A	Sunny	Moderate	8.1	Middle	0.1	273	24.1		8.0		31.5		98.4		7.0		7.0		0.009	
17-11-21	Mid-Ebb	SR3A	Sunny	Moderate	8.1	Middle	0.1	291	24.1		8.0		31.5		98.4		7.0		7.0		0.007	
17-11-21	Mid-Ebb	SR3A	Sunny	Moderate	8.1	Bottom	0.0	175	24.1		8.0		31.8		96.0		6.7		9.0		0.004	
17-11-21	Mid-Ebb	SR3A	Sunny	Moderate	8.1	Bottom	0.0	183	24.1		8.0		31.8		95.9		6.7		9.1		0.002	
17-11-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Surface	0.1	212	24.1		8.1		32.7		100.8		7.0		6.0		0.018	
17-11-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Surface	0.1	221	24.1		8.1		32.7		100.7		7.0		6.1		0.015	
17-11-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Middle	0.0	201	24.0		8.1		32.7		100.1		7.0		7.2		0.009	
17-11-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Middle	0.0	208	24.0		8.1		32.7		100.1		7.0		7.3		0.004	
17-11-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Bottom	0.1	163	24.1		8.1		32.9		99.9		7.0		7.0		0.005	
17-11-21	Mid-Ebb	SR5A	Sunny	Moderate	7.4	Bottom	0.1	172	24.1		8.1		32.9		99.9		7.0		7.0		0.002	
17-11-21	Mid-Ebb	SR7	Sunny	Rough	17.6	Surface	0.2	139	23.7		8.1		31.8		105.1		7.4		5.2		0.020	
17-11-21	Mid-Ebb	SR7	Sunny	Rough	17.6	Surface	0.3	142	23.7		8.1		31.8		105.1		7.4		5.2		0.018	
17-11-21	Mid-Ebb	SR7	Sunny	Rough	17.6	Middle	0.2	122	23.7		8.1		32.4		105.0		7.4		6.4		0.011	
17-11-21	Mid-Ebb	SR7	Sunny	Rough	17.6	Middle	0.2	131	23.7		8.1		32.4		104.9		7.4		6.4		0.009	
17-11-21	Mid-Ebb	SR7	Sunny	Rough	17.6	Bottom	0.0	200	23.8		8.1		32.6		102.4		7.2		6.3		0.006	
17-11-21	Mid-Ebb	SR7	Sunny	Rough	17.6	Bottom	0.0	219	23.8		8.1		32.6		102.4		7.2		6.3		0.004	
17-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.1	Surface	0.3	251	23.9		8.0		31.1		102.9		7.3		5.0		0.010	
17-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.1	Surface	0.3	262	23.9		8.0		31.1		102.9		7.3		4.9		0.007	
17-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.1	Middle				23.9	8.1	8.1	31.4	31.4	101.4	101.4	7.3	7.3	4.9	4.9	5.6	0.006
17-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.1	Middle					8.1		31.7		100.0		7.0		6.2		0.004	
17-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.1	Bottom	0.3	253	23.9		8.1		31.7		99.9		7.0		6.3		0.002	
17-11-21	Mid-Ebb	SR14A	Sunny	Moderate	5.1	Bottom	0.3	270	23.8		8.1		31.7		99.9		7.0		6.3		0.002	
17-11-21	Mid-Flood	CEA	Fine	Moderate	4.3	Surface	0.3	19	23.5		8.0		29.7		105.6		7.6		5.4		0.009	
17-11-21	Mid-Flood	CEA	Fine	Moderate	4.3	Surface	0.3	19	23.5		8.0		29.7		105.5		7.6		5.4		0.007	
17-11-21	Mid-Flood	CEA	Fine	Moderate	4.3	Middle				23.5	8.0	8.0	30.0	30.0	102.0	102.0	7.6	7.6	5.4	5.4	7.6	0.006
17-11-21	Mid-Flood	CEA	Fine	Moderate	4.3	Middle					8.0		30.4		98.5		7.0		9.7		0.004	
17-11-21	Mid-Flood	CEA	Fine	Moderate	4.3	Bottom	0.2	20	23.4		8.0		30.4		98.4		7.0		9.8		0.003	
17-11-21	Mid-Flood	CF	Fine	Rough	15.2	Surface	0.7	13	23.9		8.1		31.3		108.4		7.6		3.9		0.019	
17-11-21	Mid-Flood	CF	Fine	Rough	15.2	Surface	0.8	13	23.9		8.1		31.3		108.4		7.6		3.9		0.018	
17-11-21	Mid-Flood	CF	Fine	Rough	15.2	Middle	0.7	13	23.9		8.1		31.7		107.0		7.5		3.7		0.015	
17-11-21	Mid-Flood	CF	Fine	Rough	15.2	Middle	0.7	14	23.9		8.1		31.7		107.0		7.5		3.7		0.013	
17-11-21	Mid-Flood	CF	Fine	Rough	15.2	Bottom	0.4	12	23.9		8.1		31.9		104.4		7.3		4.3		0.008	
17-11-21	Mid-Flood	CF	Fine	Rough	15.2	Bottom	0.5	12	23.9		8.1		31.9		104.4		7.3		4.3		0.004	
17-11-21	Mid-Flood	SR3A	Fine	Rough	6.8	Surface	0.1	24	23.9		8.0		30.1		104.1		7.4		8.0		0.017	
17-11-21	Mid-Flood	SR3A	Fine	Rough	6.8	Surface	0.1	24	23.9		8.0		30.1		104.1		7.4		8.0		0.015	
17-11-21	Mid-Flood	SR3A	Fine	Rough	6.8	Middle	0.1	23	23.9		8.0		30.2		101.0		7.2		7.8		0.009	
17-11-21	Mid-Flood	SR3A	Fine	Rough	6.8	Middle	0.1	23	23.9		8.0		30.2		100.8		7.2		7.9		0.007	
17-11-21	Mid-Flood	SR3A	Fine	Rough	6.8	Bottom	0.1	27	24.1		8.0		31.7		95.7		6.7		8.7		0.004	
17-11-21	Mid-Flood	SR3A	Fine	Rough	6.8	Bottom	0.1	27	24.1		8.0		31.7		95.7		6.7		8.7		0.003	
17-11-21	Mid-Flood	SR5A	Fine	Rough	6.5	Surface	0.1	29	24.2		8.1		32.7		106.6		7.4		6.8		0.016	
17-11-21	Mid-Flood	SR5A	Fine	Rough	6.5	Surface	0.1	30	24.2		8.1		32.7		106.6		7.4		6.7		0.015	
17-11-21	Mid-Flood	SR5A	Fine	Rough	6.5	Middle	0.1	29	24.3		8.1		32.7		105.6		7.3		8.4		0.010	
17-11-21	Mid-Flood	SR5A	Fine	Rough	6.5	Middle	0.1	31	24.3		8.1		32.7		105.5		7.3		8.5		0.009	
17-11-21	Mid-Flood	SR5A	Fine	Rough	6.5	Bottom	0.1	36	24.3		8.1		32.7		104.4		7.3		8.8		0.003	
17-11-21	Mid-Flood	SR5A	Fine	Rough	6.5	Bottom	0.1	37	24.3		8.1		32.7		104.2		7.2		8.8		0.002	
17-11-21	Mid-Flood	SR7	Fine	Rough	17.1	Surface	0.6	19	23.8		8.1		31.4		107.7		7.6		4.9		0.017	
17-11-21	Mid-Flood	SR7	Fine	Rough	17.1	Surface	0.6	20	23.8		8.1		31.4		107.7		7.6		4.9		0.015	
17-11-21	Mid-Flood	SR7	Fine	Rough	17.1	Middle	0.5	20	23.7		8.1		31.7		104.5		7.4		5.4		0.013	
17-11-21	Mid-Flood	SR7	Fine	Rough	17.1	Middle	0.5	21	23.7		8.1</											

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
24-11-21	Mid-Ebb	CEA	Fine	Moderate	3.6	Surface	0.2	135	20.8		8.0		28.8		96.4		7.3		7.9		0.011	
24-11-21	Mid-Ebb	CEA	Fine	Moderate	3.6	Surface	0.2	135	20.8		8.0		28.8		96.4		7.3		7.9		0.010	
24-11-21	Mid-Ebb	CEA	Fine	Moderate	3.6	Middle				20.8	8.0	8.0		28.8		96.5		7.3		8.2		0.007
24-11-21	Mid-Ebb	CEA	Fine	Moderate	3.6	Middle					8.0		28.9		96.5		7.3	7.3	8.5		0.005	
24-11-21	Mid-Ebb	CEA	Fine	Moderate	3.6	Bottom	0.2	136	20.8		8.0		28.9		96.6		7.3	7.3	8.6		0.002	
24-11-21	Mid-Ebb	CF	Fine	Rough	12.1	Surface	0.5	168	22.2		8.1		31.3		100.7		7.3		6.6		0.018	
24-11-21	Mid-Ebb	CF	Fine	Rough	12.1	Surface	0.5	181	22.2		8.1		31.4		100.6		7.3		6.6		0.016	
24-11-21	Mid-Ebb	CF	Fine	Rough	12.1	Middle	0.4	167	22.9	22.7	8.1	8.1	32.1	31.9	99.4	99.8	7.1	7.2	9.4	8.3	0.010	0.010
24-11-21	Mid-Ebb	CF	Fine	Rough	12.1	Middle	0.4	169	22.9		8.1		32.1		99.4		7.1		9.4		0.008	
24-11-21	Mid-Ebb	CF	Fine	Rough	12.1	Bottom	0.3	172	22.9		8.1		32.1		99.4		7.1	7.1	8.8		0.004	
24-11-21	Mid-Ebb	CF	Fine	Rough	12.1	Bottom	0.3	188	22.9		8.1		32.1		99.4		7.1	7.1	8.8		0.003	
24-11-21	Mid-Ebb	SR3A	Fine	Rough	6.1	Surface	0.1	194	20.6		8.0		29.1		92.0		7.0		3.5		0.015	
24-11-21	Mid-Ebb	SR3A	Fine	Rough	6.1	Surface	0.1	211	20.6		8.0		29.1		91.9		7.0		3.6		0.014	
24-11-21	Mid-Ebb	SR3A	Fine	Rough	6.1	Middle	0.1	174	20.9	21.2	8.0	8.0	29.5	29.7	91.6	91.9	6.9	6.9	5.5	5.1	0.010	0.009
24-11-21	Mid-Ebb	SR3A	Fine	Rough	6.1	Middle	0.1	179	20.9		8.0		29.5		91.6		6.9	6.9	5.5		0.008	
24-11-21	Mid-Ebb	SR3A	Fine	Rough	6.1	Bottom	0.1	180	22.0		8.0		30.6		92.2		6.8	6.8	6.2		0.005	
24-11-21	Mid-Ebb	SR3A	Fine	Rough	6.1	Bottom	0.2	191	22.0		8.0		30.6		92.2		6.8	6.8	6.2		0.002	
24-11-21	Mid-Ebb	SR5A	Fine	Moderate	6.0	Surface	0.3	216	22.0		8.1		31.7		98.3		7.2		7.0		0.017	
24-11-21	Mid-Ebb	SR5A	Fine	Moderate	6.0	Surface	0.4	226	22.0		8.1		31.7		98.2		7.1		7.1		0.016	
24-11-21	Mid-Ebb	SR5A	Fine	Moderate	6.0	Middle	0.3	206	22.2	22.1	8.1	8.1	31.6	31.7	97.2	97.6	7.1	7.1	7.3	7.5	0.012	0.010
24-11-21	Mid-Ebb	SR5A	Fine	Moderate	6.0	Middle	0.3	209	22.2		8.1		31.6		97.2		7.1		7.3		0.011	
24-11-21	Mid-Ebb	SR5A	Fine	Moderate	6.0	Bottom	0.3	201	22.2		8.1		31.7		97.4		7.1	7.1	8.2		0.003	
24-11-21	Mid-Ebb	SR5A	Fine	Moderate	6.0	Bottom	0.3	219	22.2		8.1		31.7		97.5		7.1	7.1	8.2		0.002	
24-11-21	Mid-Ebb	SR7	Fine	Rough	15.8	Surface	0.3	165	22.3		8.1		31.3		99.7		7.2		7.9		0.018	
24-11-21	Mid-Ebb	SR7	Fine	Rough	15.8	Surface	0.3	168	22.3		8.1		31.3		99.6		7.2		7.8		0.015	
24-11-21	Mid-Ebb	SR7	Fine	Rough	15.8	Middle	0.4	180	23.1	22.8	8.1	8.1	32.1	31.9	98.5	98.8	7.0	7.1	10.2	9.8	0.009	0.009
24-11-21	Mid-Ebb	SR7	Fine	Rough	15.8	Middle	0.4	183	23.1		8.1		32.1		98.5		7.0	7.0	10.3		0.006	
24-11-21	Mid-Ebb	SR7	Fine	Rough	15.8	Bottom	0.2	173	23.1		8.1		32.2		98.3		7.0	7.0	11.4		0.004	
24-11-21	Mid-Ebb	SR7	Fine	Rough	15.8	Bottom	0.3	178	23.1		8.1		32.2		98.3		7.0	7.0	11.5		0.002	
24-11-21	Mid-Ebb	SR14A	Fine	Moderate	3.5	Surface	0.2	139	21.0		8.0		29.4		97.5		7.3		7.0		0.015	
24-11-21	Mid-Ebb	SR14A	Fine	Moderate	3.5	Surface	0.2	151	21.0		8.0		29.4		97.5		7.3		7.0		0.013	
24-11-21	Mid-Ebb	SR14A	Fine	Moderate	3.5	Middle				21.0	8.0	8.0	29.4	29.4	97.4	97.5	7.3	7.3	7.8	7.4	0.008	0.010
24-11-21	Mid-Ebb	SR14A	Fine	Moderate	3.5	Middle					8.0		29.4		97.5		7.3	7.3	7.8		0.005	
24-11-21	Mid-Ebb	SR14A	Fine	Moderate	3.5	Bottom	0.1	136	21.0		8.0		29.4		97.5		7.3	7.3	7.8		0.008	
24-11-21	Mid-Ebb	SR14A	Fine	Moderate	3.5	Bottom	0.2	141	21.0		8.0		29.4		97.5		7.3	7.3	7.8		0.005	
24-11-21	Mid-Flood	CEA	Fine	Moderate	3.7	Surface	0.2	35	20.8		8.0		28.8		97.6		7.4		7.5		0.009	
24-11-21	Mid-Flood	CEA	Fine	Moderate	3.7	Surface	0.2	35	20.8		8.0		28.8		97.6		7.4		7.5		0.008	
24-11-21	Mid-Flood	CEA	Fine	Moderate	3.7	Middle				20.8	8.0	8.0	28.8	28.8	97.6	97.6	7.4	7.4	7.1	7.3	0.004	0.006
24-11-21	Mid-Flood	CEA	Fine	Moderate	3.7	Middle					8.0		28.8		97.6		7.4	7.4	7.1		0.004	
24-11-21	Mid-Flood	CEA	Fine	Moderate	3.7	Bottom	0.2	31	20.7		8.0		28.8		97.6		7.4	7.4	7.1		0.003	
24-11-21	Mid-Flood	CEA	Fine	Moderate	3.7	Bottom	0.2	33	20.7		8.0		28.8		97.6		7.4	7.4	7.1		0.003	
24-11-21	Mid-Flood	CF	Sunny	Rough	14.6	Surface	0.2	329	22.7		8.1		31.7		102.1		7.3		4.7		0.018	
24-11-21	Mid-Flood	CF	Sunny	Rough	14.6	Surface	0.2	341	22.7		8.1		31.7		102.1		7.3		4.7		0.017	
24-11-21	Mid-Flood	CF	Sunny	Rough	14.6	Middle	0.4	333	22.9	22.9	8.1	8.1	32.0	31.9	99.5	100.2	7.1	7.2	5.3	6.0	0.011	0.011
24-11-21	Mid-Flood	CF	Sunny	Rough	14.6	Middle	0.4	335	22.9		8.1		32.0		99.5		7.1	7.1	5.3		0.010	
24-11-21	Mid-Flood	CF	Sunny	Rough	14.6	Bottom	0.3	347	23.0		8.1		32.1		99.1		7.1	7.1	8.0		0.006	
24-11-21	Mid-Flood	CF	Sunny	Rough	14.6	Bottom	0.3	348	23.0		8.1		32.1		99.1		7.1	7.1	8.0		0.003	
24-11-21	Mid-Flood	SR3A	Fine	Moderate	6.7	Surface	0.1	73	21.0		8.0		29.5		95.0		7.1		4.2		0.017	
24-11-21	Mid-Flood	SR3A	Fine	Moderate	6.7	Surface	0.1	77	21.0		8.0		29.5		95.0		7.1		4.2		0.015	
24-11-21	Mid-Flood	SR3A	Fine	Moderate	6.7	Middle	0.2	59	21.2	21.2	8.0	8.0	29.7	29.7	95.0	95.2	7.1	7.1	5.6	5.5	0.012	0.011
24-11-21	Mid-Flood	SR3A	Fine	Moderate	6.7	Middle	0.2	60	21.2		8.0		29.7		95.0		7.1	7.1	5.6		0.011	
24-11-21	Mid-Flood	SR3A	Fine	Moderate	6.7	Bottom	0.2	78	21.4		8.0		30.0		95.5		7.1	7.1	6.6		0.008	
24-11-21	Mid-Flood	SR3A	Fine	Moderate	6.7	Bottom	0.3	79	21.4		8.0		30.0		95.6		7.1	7.1	6.6		0.002	
24-11-21	Mid-Flood	SR5A	Sunny	Rough	7.2	Surface	0.2	52	22.6		8.1		31.6		101.0		7.3		5.1		0.014	
24-11-21	Mid-Flood	SR5A	Sunny	Rough	7.2	Surface	0.2	53	22.7		8.1		31.6		100.9		7.3		5.2		0.013	
24-11-21	Mid-Flood	SR5A	Sunny	Rough	7.2	Middle	0.3	60	22.8	22.8	8.1	8.1	31.8	31.8	99.8	100.2	7.2	7.2	4.3	4.9	0.007	0.007
24-11-21	Mid-Flood	SR5A	Sunny	Rough	7.2	Middle	0.3	62	22.9		8.1		31.8		99.8		7.2	7.2	4.3		0.005	
24-11-21	Mid-Flood	SR5A	Sunny	Rough	7.2	Bottom	0.3	59	22.9		8.1		31.9		99.8		7.1	7.1	5.4		0.003	
24-11-21	Mid-Flood	SR5A	Sunny	Rough	7.2	Bottom	0.3	59	22.9		8.1		32.0		99.8		7.1	7.1	5.4		0.002	
24-11-21	Mid-Flood	SR7	Sunny	Rough	14.1	Surface	0.1	294	22.6		8.1		31.5		101.5		7.3		5.1		0.018	
24-11-21	Mid-Flood	SR7	Sunny	Rough	1																	

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
01-12-21	Mid-Ebb	CEA	Fine	Moderate	4.2	Surface	0.3	238	21.3		8.1		31.4		113.3		8.4		7.3		0.020	
01-12-21	Mid-Ebb	CEA	Fine	Moderate	4.2	Surface	0.3	245	21.3		8.1		31.4		113.3		8.4		7.3		0.016	
01-12-21	Mid-Ebb	CEA	Fine	Moderate	4.2	Middle				21.3	8.1			31.4		113.0		8.4		7.9		0.013
01-12-21	Mid-Ebb	CEA	Fine	Moderate	4.2	Middle					8.1				112.7		8.3		8.5		0.008	
01-12-21	Mid-Ebb	CEA	Fine	Moderate	4.2	Bottom	0.3	239	21.3		8.1		31.4		112.7		8.3		8.6		0.007	
01-12-21	Mid-Ebb	CEA	Fine	Moderate	4.2	Bottom	0.3	249	21.3		8.1		31.4		112.7		8.3		8.6		0.007	
01-12-21	Mid-Ebb	CF	Fine	Moderate	15.4	Surface	0.5	139	22.2		8.2		32.9		106.9		7.7		5.2		0.016	
01-12-21	Mid-Ebb	CF	Fine	Moderate	15.4	Surface	0.5	144	22.2		8.2		32.9		106.7		7.7		5.2		0.010	
01-12-21	Mid-Ebb	CF	Fine	Moderate	15.4	Middle	0.5	134	22.3		8.1		33.0		102.2		7.3		5.1		0.005	
01-12-21	Mid-Ebb	CF	Fine	Moderate	15.4	Middle	0.6	144	22.3		8.1		33.0		102.0		7.3		5.1		0.006	
01-12-21	Mid-Ebb	CF	Fine	Moderate	15.4	Bottom	0.3	137	22.8		8.1		33.5		93.6		6.6		26.3		0.001	
01-12-21	Mid-Ebb	CF	Fine	Moderate	15.4	Bottom	0.4	143	22.8		8.1		33.5		93.8		6.7		28.4		0.002	
01-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.0	Surface	0.1	262	18.6		8.1		26.1		103.3		8.3		13.7		0.010	
01-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.0	Surface	0.1	267	18.6		8.1		26.1		103.3		8.3		13.8		0.012	
01-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.0	Middle	0.0	126	20.2		8.1		29.8		104.5		8.0		12.7		0.005	
01-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.0	Middle	0.0	129	19.9		8.1		30.4		104.6		8.0		12.3		0.006	
01-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.0	Bottom	0.1	300	22.0		8.1		32.1		103.4		7.5		10.9		0.002	
01-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.0	Bottom	0.1	324	22.0		8.1		32.1		103.9		7.6		10.6		0.002	
01-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.7	Surface	0.1	9	21.7		8.1		33.2		103.7		7.5		7.3		0.016	
01-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.7	Surface	0.1	9	21.6		8.1		33.2		103.6		7.5		7.3		0.022	
01-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.7	Middle	0.0	91	21.4		8.1		33.2		102.1		7.5		7.8		0.011	
01-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.7	Middle	0.0	92	21.3		8.1		33.2		102.1		7.5		7.9		0.008	
01-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.7	Bottom	0.0	234	21.3		8.1		33.2		102.0		7.4		8.0		0.001	
01-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.7	Bottom	0.0	241	21.3		8.1		33.2		102.0		7.5		8.0		0.002	
01-12-21	Mid-Ebb	SR7	Fine	Moderate	16.5	Surface	0.5	175	21.9		8.2		32.6		106.0		7.7		5.1		0.012	
01-12-21	Mid-Ebb	SR7	Fine	Moderate	16.5	Surface	0.5	177	21.9		8.2		32.6		105.9		7.7		5.1		0.010	
01-12-21	Mid-Ebb	SR7	Fine	Moderate	16.5	Middle	0.4	162	22.3		8.1		32.9		104.3		7.5		4.8		0.001	
01-12-21	Mid-Ebb	SR7	Fine	Moderate	16.5	Middle	0.4	162	22.3		8.1		33.0		104.0		7.5		5.0		0.002	
01-12-21	Mid-Ebb	SR7	Fine	Moderate	16.5	Bottom	0.2	155	22.6		8.1		33.5		95.6		6.8		6.3		0.001	
01-12-21	Mid-Ebb	SR7	Fine	Moderate	16.5	Bottom	0.2	155	22.6		8.1		33.5		95.9		6.8		6.1		0.001	
01-12-21	Mid-Ebb	SR14A	Fine	Moderate	4.6	Surface	0.4	243	21.4		8.2		30.6		109.1		8.1		7.7		0.012	
01-12-21	Mid-Ebb	SR14A	Fine	Moderate	4.6	Surface	0.5	245	21.4		8.2		30.6		108.8		8.1		7.8		0.015	
01-12-21	Mid-Ebb	SR14A	Fine	Moderate	4.6	Middle				21.4	8.2						8.1		8.0		0.002	
01-12-21	Mid-Ebb	SR14A	Fine	Moderate	4.6	Middle					8.2				108.8		8.0		8.2		0.006	
01-12-21	Mid-Ebb	SR14A	Fine	Moderate	4.6	Bottom	0.3	233	21.5		8.2		32.2		109.6		8.0		8.0		0.002	
01-12-21	Mid-Ebb	SR14A	Fine	Moderate	4.6	Bottom	0.3	248	21.4		8.2		32.1		109.6		8.0		8.2		0.006	
01-12-21	Mid-Flood	CEA	Fine	Moderate	3.7	Surface	0.3	64	21.3		8.3		30.4		139.3		10.3		6.5		0.018	
01-12-21	Mid-Flood	CEA	Fine	Moderate	3.7	Surface	0.3	64	21.3		8.3		30.4		139.1		10.3		6.4		0.021	
01-12-21	Mid-Flood	CEA	Fine	Moderate	3.7	Middle				21.3	8.3			30.7		129.8		10.3		7.8		0.013
01-12-21	Mid-Flood	CEA	Fine	Moderate	3.7	Middle					8.2				120.5		8.9		9.0		0.004	
01-12-21	Mid-Flood	CEA	Fine	Moderate	3.7	Bottom	0.2	71	21.2		8.2		31.0		120.4		8.9		9.2		0.008	
01-12-21	Mid-Flood	CF	Fine	Moderate	16.1	Surface	0.4	315	22.5		8.2		33.3		107.9		7.7		5.3		0.010	
01-12-21	Mid-Flood	CF	Fine	Moderate	16.1	Surface	0.5	319	22.5		8.2		33.3		107.9		7.7		5.3		0.015	
01-12-21	Mid-Flood	CF	Fine	Moderate	16.1	Middle	0.5	318	22.5		8.2		33.3		107.3		7.7		8.4		0.004	
01-12-21	Mid-Flood	CF	Fine	Moderate	16.1	Middle	0.5	330	22.5		8.2		33.3		107.3		7.7		8.7		0.005	
01-12-21	Mid-Flood	CF	Fine	Moderate	16.1	Bottom	0.5	325	22.5		8.2		33.3		107.3		7.7		11.1		0.002	
01-12-21	Mid-Flood	CF	Fine	Moderate	16.1	Bottom	0.5	336	22.5		8.2		33.3		107.3		7.7		11.1		0.002	
01-12-21	Mid-Flood	SR3A	Fine	Moderate	6.8	Surface	0.1	68	20.3		8.2		29.2		113.5		8.6		18.7		0.018	
01-12-21	Mid-Flood	SR3A	Fine	Moderate	6.8	Surface	0.1	69	20.3		8.2		29.2		113.5		8.6		18.7		0.018	
01-12-21	Mid-Flood	SR3A	Fine	Moderate	6.8	Middle	0.1	83	20.7		8.2		30.0		113.1		8.5		22.3		0.012	
01-12-21	Mid-Flood	SR3A	Fine	Moderate	6.8	Middle	0.1	87	20.8		8.2		30.1		113.2		8.5		21.5		0.013	
01-12-21	Mid-Flood	SR3A	Fine	Moderate	6.8	Bottom	0.3	89	21.0		8.2		30.8		113.7		8.5		26.1		0.009	
01-12-21	Mid-Flood	SR3A	Fine	Moderate	6.8	Bottom	0.3	94	21.1		8.2		30.8		113.7		8.5		24.4		0.002	
01-12-21	Mid-Flood	SR5A	Fine	Moderate	7.2	Surface	0.1	88	22.1		8.2		33.2		110.8		8.0		26.5		0.012	
01-12-21	Mid-Flood	SR5A	Fine	Moderate	7.2	Surface	0.1	88	22.1		8.2		33.2		110.9		8.0		26.2		0.010	
01-12-21	Mid-Flood	SR5A	Fine	Moderate	7.2	Middle	0.1	173	22.1		8.2		33.2		112.7		8.1		26.7		0.003	
01-12-21	Mid-Flood	SR5A	Fine	Moderate	7.2	Middle	0.1	180	22.1		8.2		33.2		112.9		8.1		26.7		0.002	
01-12-21	Mid-Flood	SR5A	Fine	Moderate	7.2	Bottom	0.1	229	22.1		8.2		33.2		115.7		8.3		28.9		0.001	
01-12-21	Mid-Flood	SR5A	Fine	Moderate	7.2	Bottom	0.1	238	22.1		8.2		33.2		115.9		8.4		24.7		0.006	
01-12-21	Mid-Flood	SR7	Fine	Moderate	17.0	Surface	0.4	331	22.1		8.2		32.8		111.9		8.1		4.2		0.017	
01-12-21	Mid-Flood	SR7	Fine	Moderate	17.0	Surface	0.4	335	22.2		8.2		32.8		111.7		8.0		4.2		0.016	
01-12-21	Mid-Flood	SR7	Fine	Moderate	17.0	Middle	0.5	323	22.5		8.1		33.2		100.4		7.2		5.1		0.010	

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
08-12-21	Mid-Ebb	CEA	Fine	Rough	4.4	Surface	0.3	237	20.4		8.3		31.9		136.2		10.2		6.8		0.015	
08-12-21	Mid-Ebb	CEA	Fine	Rough	4.4	Surface	0.3	248	20.4		8.3		31.9		136.1		10.2		6.9		0.011	
08-12-21	Mid-Ebb	CEA	Fine	Rough	4.4	Middle				20.4	8.3					131.8				6.6		0.011
08-12-21	Mid-Ebb	CEA	Fine	Rough	4.4	Middle					8.3											
08-12-21	Mid-Ebb	CEA	Fine	Rough	4.4	Bottom	0.2	242	20.3		8.3		32.1		127.4		9.5	9.5	6.3		0.009	
08-12-21	Mid-Ebb	CEA	Fine	Rough	4.4	Bottom	0.2	251	20.3		8.3		32.1		127.3		9.5		6.3		0.008	
08-12-21	Mid-Ebb	CF	Fine	Rough	14.4	Surface	0.0	255	20.5		8.2		32.9		114.3		8.5		5.0		0.013	
08-12-21	Mid-Ebb	CF	Fine	Rough	14.4	Surface	0.0	260	20.5		8.2		32.9		114.2		8.5	8.5	5.1		0.011	
08-12-21	Mid-Ebb	CF	Fine	Rough	14.4	Middle	0.1	251	20.5		8.2		33.0		113.7		8.4		5.5		0.008	
08-12-21	Mid-Ebb	CF	Fine	Rough	14.4	Middle	0.2	252	20.5		8.2		33.0		113.7		8.4		5.5		0.005	
08-12-21	Mid-Ebb	CF	Fine	Rough	14.4	Bottom	0.2	227	20.6		8.2		33.0		113.2		8.4	8.4	6.0		0.003	
08-12-21	Mid-Ebb	CF	Fine	Rough	14.4	Bottom	0.2	246	20.6		8.2		33.0		113.2		8.4		6.0		0.002	
08-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.5	Surface	0.1	232	20.5		8.4		31.9		131.5		9.8		6.9		0.016	
08-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.5	Surface	0.1	250	20.5		8.4		31.9		131.4		9.8		6.9		0.014	
08-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.5	Middle	0.1	213	20.3		8.3		32.0		123.6		9.2	9.5	8.4		0.008	
08-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.5	Middle	0.1	218	20.3		8.3		32.1		123.5		9.2		8.4		0.007	
08-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.5	Bottom	0.1	214	20.6		8.3		32.3		119.9		8.9	8.9	9.5		0.005	
08-12-21	Mid-Ebb	SR3A	Fine	Moderate	7.5	Bottom	0.1	215	20.6		8.3		32.3		119.9		8.9		9.5		0.003	
08-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.0	Surface	0.6	226	21.3		8.2		33.5		107.0		7.8		8.4		0.019	
08-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.0	Surface	0.6	246	21.3		8.2		33.5		107.0		7.8		8.4		0.018	
08-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.0	Middle	0.6	224	21.1		8.1		33.5		104.8		7.7		7.7		0.014	
08-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.0	Middle	0.6	225	21.1		8.1		33.5		104.8		7.7		7.8		0.011	
08-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.0	Bottom	0.5	224	20.9		8.1		33.6		103.3		7.6	7.6	8.5		0.008	
08-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.0	Bottom	0.5	227	20.9		8.1		33.6		103.6		7.6		8.5		0.005	
08-12-21	Mid-Ebb	SR7	Fine	Rough	17.5	Surface	0.2	231	20.6		8.2		32.8		114.9		8.5		4.8		0.015	
08-12-21	Mid-Ebb	SR7	Fine	Rough	17.5	Surface	0.2	234	20.6		8.2		32.8		114.9		8.5		4.9		0.012	
08-12-21	Mid-Ebb	SR7	Fine	Rough	17.5	Middle	0.2	257	20.5		8.2		32.9		112.5		8.4	8.4	6.0		0.007	
08-12-21	Mid-Ebb	SR7	Fine	Rough	17.5	Middle	0.2	280	20.5		8.2		32.9		112.5		8.4		6.0		0.005	
08-12-21	Mid-Ebb	SR7	Fine	Rough	17.5	Bottom	0.2	226	20.5		8.2		33.0		110.3		8.2		7.4		0.003	
08-12-21	Mid-Ebb	SR7	Fine	Rough	17.5	Bottom	0.2	231	20.5		8.2		33.0		110.5		8.2		7.4		0.002	
08-12-21	Mid-Ebb	SR14A	Fine	Rough	4.5	Surface	0.3	253	20.9		8.2		32.9		117.2		8.6		4.1		0.011	
08-12-21	Mid-Ebb	SR14A	Fine	Rough	4.5	Surface	0.3	277	20.9		8.2		33.0		117.2		8.6		4.1		0.010	
08-12-21	Mid-Ebb	SR14A	Fine	Rough	4.5	Middle				20.8	8.2											
08-12-21	Mid-Ebb	SR14A	Fine	Rough	4.5	Middle					8.2											
08-12-21	Mid-Ebb	SR14A	Fine	Rough	4.5	Bottom	0.3	259	20.7		8.2		33.0		111.9		8.3	8.3	5.6		0.005	
08-12-21	Mid-Ebb	SR14A	Fine	Rough	4.5	Bottom	0.3	279	20.7		8.2		33.0		112.0		8.3		5.6		0.004	
08-12-21	Mid-Flood	CEA	Sunny	Moderate	4.2	Surface	0.4	44	20.0		8.4		31.6		137.8		10.4		8.4		0.016	
08-12-21	Mid-Flood	CEA	Sunny	Moderate	4.2	Surface	0.4	47	20.0		8.4		31.6		137.8		10.4		8.4		0.011	
08-12-21	Mid-Flood	CEA	Sunny	Moderate	4.2	Middle				20.0	8.4											
08-12-21	Mid-Flood	CEA	Sunny	Moderate	4.2	Middle					8.4											
08-12-21	Mid-Flood	CEA	Sunny	Moderate	4.2	Bottom	0.3	55	20.0		8.4		31.8		131.6		9.9	9.9	7.4		0.005	
08-12-21	Mid-Flood	CEA	Sunny	Moderate	4.2	Bottom	0.3	55	20.0		8.4		31.8		131.6		9.9		7.4		0.004	
08-12-21	Mid-Flood	CF	Sunny	Rough	12.1	Surface	0.3	343	20.4		8.3		32.7		114.5		8.5		5.5		0.017	
08-12-21	Mid-Flood	CF	Sunny	Rough	12.1	Surface	0.4	316	20.4		8.3		32.7		114.5		8.5		5.5		0.016	
08-12-21	Mid-Flood	CF	Sunny	Rough	12.1	Middle	0.3	0	20.4		8.2		32.9		110.4		8.2		7.2		0.013	
08-12-21	Mid-Flood	CF	Sunny	Rough	12.1	Middle	0.3	0	20.4		8.2		32.9		110.4		8.2		7.2		0.011	
08-12-21	Mid-Flood	CF	Sunny	Rough	12.1	Bottom	0.3	10	20.4		8.2		32.9		109.8		8.2		9.0		0.006	
08-12-21	Mid-Flood	CF	Sunny	Rough	12.1	Bottom	0.3	10	20.4		8.2		32.9		109.7		8.2		9.0		0.004	
08-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Surface	0.0	187	20.1		8.3		31.8		128.6		9.7		7.8		0.018	
08-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Surface	0.0	192	20.1		8.3		31.8		128.6		9.7		7.8		0.016	
08-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Middle	0.0	47	20.2		8.3		32.0		120.5		9.0	9.4	9.3		0.012	
08-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Middle	0.0	50	20.2		8.3		32.0		120.3		9.0		9.4		0.010	
08-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Bottom	0.1	88	20.3		8.3		32.2		115.8		8.7	8.7	11.4		0.007	
08-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Bottom	0.1	91	20.3		8.3		32.2		115.7		8.7		11.6		0.005	
08-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.4	Surface	0.1	268	21.0		8.2		33.5		107.4		7.9		6.6		0.014	
08-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.4	Surface	0.1	270	21.0		8.2		33.5		107.4		7.9	7.9	6.7		0.012	
08-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.4	Middle	0.0	292	21.1		8.2		33.5		107.5		7.9		8.2		0.006	
08-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.4	Middle	0.0	305	21.1		8.2		33.5		107.5		7.9		8.3		0.005	
08-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.4	Bottom	0.1	226	21.0		8.2		33.5		107.5		7.9	7.9	10.1		0.003	
08-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.4	Bottom	0.1	227	21.0		8.2		33.5		107.5		7.9		10.1		0.002	
08-12-21	Mid-Flood	SR7	Sunny	Rough	14.9	Surface	0.3	323	20.5		8.2		32.7		112.8		8.4		5.3		0.017	
08-12-21	Mid-Flood	SR7	Sunny	Rough	14.9	Surface	0.3	349	20.5		8.2		32.7		112.7		8.4		5.3		0.015	
08-12-21	Mid-Flood	SR7	Sunny	Rough	14.9	Middle	0.3	325	20.5</													

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)		
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
14-12-21	Mid-Ebb	CEA	Sunny	Moderate	3.6	Surface	0.1	178	21.4		8.5		30.7		164.4		12.2		4.6		0.015			
14-12-21	Mid-Ebb	CEA	Sunny	Moderate	3.6	Surface	0.1	189	21.4		8.5		30.7		164.4		12.2		4.6		0.014			
14-12-21	Mid-Ebb	CEA	Sunny	Moderate	3.6	Middle				21.3	8.4			31.1		148.8				5.2		0.012		
14-12-21	Mid-Ebb	CEA	Sunny	Moderate	3.6	Middle					8.3		31.5				9.8	9.8	5.7			0.009		
14-12-21	Mid-Ebb	CEA	Sunny	Moderate	3.6	Bottom	0.1	160	21.2		8.3		31.5		133.0		9.9		5.7			0.008		
14-12-21	Mid-Ebb	CEA	Sunny	Moderate	3.6	Bottom	0.1	171	21.2		8.3		31.5		133.4		9.9		5.7			0.008		
14-12-21	Mid-Ebb	CF	Sunny	Rough	13.9	Surface	0.4	155	21.1		8.2		32.1		124.4		9.2	8.5	3.2		3.9	0.019		
14-12-21	Mid-Ebb	CF	Sunny	Rough	13.9	Surface	0.5	166	21.1		8.2		32.1		124.2		9.2		3.2			0.017		
14-12-21	Mid-Ebb	CF	Sunny	Rough	13.9	Middle	0.3	170	21.2		8.1		33.1		106.9		7.8		3.6			0.015		
14-12-21	Mid-Ebb	CF	Sunny	Rough	13.9	Middle	0.3	176	21.2		8.1		33.1		106.8		7.8		3.6			0.013		
14-12-21	Mid-Ebb	CF	Sunny	Rough	13.9	Bottom	0.1	158	21.2		8.1		33.3		102.8		7.5	7.5	4.9			0.005		
14-12-21	Mid-Ebb	CF	Sunny	Rough	13.9	Bottom	0.1	171	21.2		8.1		33.3		102.9		7.5		4.9			0.002		
14-12-21	Mid-Ebb	SR3A	Sunny	Moderate	7.0	Surface	0.0	85	21.7		8.3		31.5		131.0		9.6	9.3	8.5		7.4	0.017		
14-12-21	Mid-Ebb	SR3A	Sunny	Moderate	7.0	Surface	0.0	86	21.7		8.3		31.5		130.9		9.6		8.6			0.016		
14-12-21	Mid-Ebb	SR3A	Sunny	Moderate	7.0	Middle	0.1	264	21.7		8.3		31.6		122.2		8.9		7.1			0.011		
14-12-21	Mid-Ebb	SR3A	Sunny	Moderate	7.0	Middle	0.1	279	21.7		8.3		31.6		122.2		8.9		7.0			0.009		
14-12-21	Mid-Ebb	SR3A	Sunny	Moderate	7.0	Bottom	0.0	121	21.6		8.3		32.2		114.5		8.4	8.4	6.6			0.004		
14-12-21	Mid-Ebb	SR3A	Sunny	Moderate	7.0	Bottom	0.0	132	21.6		8.3		32.2		114.4		8.4		6.7			0.003		
14-12-21	Mid-Ebb	SR5A	Sunny	Moderate	7.8	Surface	0.1	262	21.3		8.2		33.1		109.1		8.0	8.0	5.3		6.2	0.018		
14-12-21	Mid-Ebb	SR5A	Sunny	Moderate	7.8	Surface	0.1	283	21.3		8.2		33.1		109.1		8.0		5.4			0.017		
14-12-21	Mid-Ebb	SR5A	Sunny	Moderate	7.8	Middle	0.0	269	21.3		8.2		33.1		108.7		8.0	8.0	6.3			0.012		
14-12-21	Mid-Ebb	SR5A	Sunny	Moderate	7.8	Middle	0.0	292	21.3		8.2		33.1		108.7		7.9		6.4			0.011		
14-12-21	Mid-Ebb	SR5A	Sunny	Moderate	7.8	Bottom	0.1	343	21.3		8.2		33.1		108.5		7.9	7.9	6.8			0.006		
14-12-21	Mid-Ebb	SR5A	Sunny	Moderate	7.8	Bottom	0.1	353	21.3		8.2		33.1		108.5		7.9		6.9			0.004		
14-12-21	Mid-Ebb	SR7	Sunny	Rough	17.5	Surface	0.4	133	21.3		8.2		32.3		121.9		9.0	8.4	3.5		4.4	0.018		
14-12-21	Mid-Ebb	SR7	Sunny	Rough	17.5	Surface	0.4	137	21.3		8.2		32.3		121.9		9.0		3.5			0.017		
14-12-21	Mid-Ebb	SR7	Sunny	Rough	17.5	Middle	0.3	128	21.2		8.2		33.0		108.0		7.9		3.2			0.013		
14-12-21	Mid-Ebb	SR7	Sunny	Rough	17.5	Middle	0.3	133	21.2		8.2		33.0		107.9		7.9		3.2			0.012		
14-12-21	Mid-Ebb	SR7	Sunny	Rough	17.5	Bottom	0.2	130	21.2		8.1		33.2		105.3		7.7	7.7	6.7			0.006		
14-12-21	Mid-Ebb	SR7	Sunny	Rough	17.5	Bottom	0.2	132	21.2		8.1		33.2		105.3		7.7		6.7			0.005		
14-12-21	Mid-Ebb	SR14A	Sunny	Moderate	4.5	Surface	0.2	186	21.6		8.5		31.1		158.7		11.7	11.7	4.7		6.2	0.014		
14-12-21	Mid-Ebb	SR14A	Sunny	Moderate	4.5	Surface	0.2	202	21.6		8.5		31.1		158.4		11.6		4.7			0.011		
14-12-21	Mid-Ebb	SR14A	Sunny	Moderate	4.5	Middle				21.4	8.3			31.7		135.7							0.009	
14-12-21	Mid-Ebb	SR14A	Sunny	Moderate	4.5	Middle					8.2		32.3				8.3	8.3	7.7			0.006		
14-12-21	Mid-Ebb	SR14A	Sunny	Moderate	4.5	Bottom	0.2	185	21.2		8.2		32.3		112.8		8.3		7.8			0.005		
14-12-21	Mid-Ebb	SR14A	Sunny	Moderate	4.5	Bottom	0.2	202	21.2		8.2		32.3		112.9		8.3		7.8			0.005		
14-12-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Surface	0.0	19	21.5		8.5		30.4		174.9		12.9	12.9	4.4		5.6	0.009		
14-12-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Surface	0.0	20	21.5		8.5		30.4		174.5		12.9		4.4			0.008		
14-12-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Middle				21.4	8.4			31.1		149.0							0.006	
14-12-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Middle					8.2		31.8				9.1	9.1	6.8			0.004		
14-12-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Bottom	0.1	21	21.2		8.2		31.8		123.3		9.1		6.7			0.003		
14-12-21	Mid-Flood	CF	Sunny	Rough	14.5	Surface	0.1	29	21.5		8.3		32.4		127.0		9.3	9.0	2.9		3.0	0.018		
14-12-21	Mid-Flood	CF	Sunny	Rough	14.5	Surface	0.1	31	21.5		8.3		32.4		127.0		9.3		3.0			0.015		
14-12-21	Mid-Flood	CF	Sunny	Rough	14.5	Middle	0.1	26	21.3		8.2		32.6		117.7		8.6		3.2			0.010		
14-12-21	Mid-Flood	CF	Sunny	Rough	14.5	Middle	0.1	26	21.3		8.2		32.6		117.8		8.6		3.2			0.008		
14-12-21	Mid-Flood	CF	Sunny	Rough	14.5	Bottom	0.2	325	21.2		8.2		32.8		113.0		8.3	8.3	3.0			0.005		
14-12-21	Mid-Flood	CF	Sunny	Rough	14.5	Bottom	0.2	344	21.2		8.2		32.8		113.0		8.3		3.1			0.003		
14-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Surface	0.0	32	21.7		8.3		31.6		131.6		9.6	9.6	6.2		8.2	0.017		
14-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Surface	0.0	34	21.7		8.3		31.6		131.6		9.6		6.2			0.016		
14-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Middle	0.1	34	21.7		8.3		31.6		129.9		9.5	9.6	8.6		8.2	0.011		
14-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Middle	0.1	34	21.7		8.3		31.6		129.8		9.5		8.7			0.010		
14-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Bottom	0.0	16	21.7		8.3		31.6		128.1		9.4	9.4	9.7			0.004		
14-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.1	Bottom	0.0	16	21.7		8.3		31.6		128.0		9.4		9.7			0.002		
14-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.3	Surface	0.0	13	21.4		8.2		33.1		111.7		8.2	8.1	9.3		8.0	0.019		
14-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.3	Surface	0.0	13	21.4		8.2		33.1		111.6		8.1		9.6			0.017		
14-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.3	Middle	0.1	15	21.4		8.2		33.1		109.4		8.0	8.1	7.0			0.012		
14-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.3	Middle	0.1	15	21.4		8.2		33.1		109.3		8.0		7.0			0.010		
14-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.3	Bottom	0.0	22	21.3		8.2		33.1		108.3		7.9	7.9	7.7			0.006		
14-12-21	Mid-Flood	SR5A	Sunny	Moderate	7.3	Bottom	0.0	22	21.3		8.2		33.1		108.3		7.9		7.7			0.005		
14-12-21	Mid-Flood	SR7	Sunny	Rough	17.6	Surface	0.1	17	21.3		8.4		31.1		142.4		10.5	9.9	2.9		3.0	0.016		

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged					Value	Depth-averaged		Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
22-12-21	Mid-Ebb	CEA	Fine	Moderate	4.1	Surface	0.4	213	19.7		8.1		31.9		94.3		7.2		6.0		0.018		
22-12-21	Mid-Ebb	CEA	Fine	Moderate	4.1	Surface	0.4	220	19.7		8.1		31.9		94.3		7.2		6.0		0.015		
22-12-21	Mid-Ebb	CEA	Fine	Moderate	4.1	Middle				19.7		8.1		32.0		95.7		7.2		6.0		0.010	
22-12-21	Mid-Ebb	CEA	Fine	Moderate	4.1	Middle					8.1		32.1		97.1		7.3		9.5		0.005		
22-12-21	Mid-Ebb	CEA	Fine	Moderate	4.1	Bottom	0.3	212	19.6		8.1		32.1		97.1		7.3		9.5		0.003		
22-12-21	Mid-Ebb	CEA	Fine	Moderate	4.1	Bottom	0.3	212	19.6		8.1		32.1		97.1		7.3		9.5		0.003		
22-12-21	Mid-Ebb	CF	Fine	Rough	11.9	Surface	0.4	253	20.1		8.1		33.0		99.8		7.5		4.2		0.019		
22-12-21	Mid-Ebb	CF	Fine	Rough	11.9	Surface	0.4	274	19.8		8.1		33.0		99.8		7.5		4.2		0.017		
22-12-21	Mid-Ebb	CF	Fine	Rough	11.9	Middle	0.4	253	19.8		8.1		33.1		97.8		7.3		5.6		0.011		
22-12-21	Mid-Ebb	CF	Fine	Rough	11.9	Middle	0.4	257	19.8		8.1		33.1		97.8		7.3		5.6		0.009		
22-12-21	Mid-Ebb	CF	Fine	Rough	11.9	Bottom	0.4	209	19.8		8.1		33.2		97.7		7.3		8.1		0.004		
22-12-21	Mid-Ebb	CF	Fine	Rough	11.9	Bottom	0.4	226	19.8		8.1		33.2		97.7		7.3		8.1		0.003		
22-12-21	Mid-Ebb	SR3A	Fine	Rough	7.6	Surface	0.1	181	19.4		8.1		31.5		94.1		7.2		5.6		0.015		
22-12-21	Mid-Ebb	SR3A	Fine	Rough	7.6	Surface	0.1	190	19.4		8.1		31.5		94.1		7.2		5.6		0.014		
22-12-21	Mid-Ebb	SR3A	Fine	Rough	7.6	Middle	0.1	157	19.6		8.1		31.9		94.3		7.2		6.4		0.008		
22-12-21	Mid-Ebb	SR3A	Fine	Rough	7.6	Middle	0.1	164	19.6		8.1		31.9		94.3		7.2		6.4		0.007		
22-12-21	Mid-Ebb	SR3A	Fine	Rough	7.6	Bottom	0.2	196	19.9		8.1		32.5		94.4		7.1		7.1		0.003		
22-12-21	Mid-Ebb	SR3A	Fine	Rough	7.6	Bottom	0.2	201	19.9		8.1		32.5		94.4		7.1		7.1		0.002		
22-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.6	Surface	0.1	183	20.2		8.1		33.5		96.1		7.1		4.6		0.018		
22-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.6	Surface	0.1	197	20.3		8.1		33.5		96.1		7.1		4.7		0.017		
22-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.6	Middle	0.1	141	20.0		8.1		33.5		95.4		7.1		5.6		0.012		
22-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.6	Middle	0.1	146	20.0		8.1		33.5		95.4		7.1		5.6		0.011		
22-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.6	Bottom	0.1	128	20.0		8.1		33.5		95.2		7.1		8.3		0.007		
22-12-21	Mid-Ebb	SR5A	Fine	Moderate	6.6	Bottom	0.1	130	20.0		8.1		33.5		95.2		7.1		8.2		0.005		
22-12-21	Mid-Ebb	SR7	Fine	Rough	16.5	Surface	0.4	203	19.9		8.1		32.9		98.9		7.4		4.7		0.017		
22-12-21	Mid-Ebb	SR7	Fine	Rough	16.5	Surface	0.4	214	19.9		8.1		32.9		98.9		7.4		4.8		0.015		
22-12-21	Mid-Ebb	SR7	Fine	Rough	16.5	Middle	0.4	207	19.9		8.1		33.0		98.8		7.4		5.1		0.009		
22-12-21	Mid-Ebb	SR7	Fine	Rough	16.5	Middle	0.4	214	19.9		8.1		33.0		98.8		7.4		5.1		0.007		
22-12-21	Mid-Ebb	SR7	Fine	Rough	16.5	Bottom	0.4	211	19.9		8.1		33.1		97.2		7.3		9.7		0.004		
22-12-21	Mid-Ebb	SR7	Fine	Rough	16.5	Bottom	0.5	227	19.9		8.1		33.1		97.2		7.3		9.6		0.002		
22-12-21	Mid-Ebb	SR14A	Fine	Rough	4.6	Surface	0.3	182	20.2		8.1		33.5		96.3		7.2		8.3		0.020		
22-12-21	Mid-Ebb	SR14A	Fine	Rough	4.6	Surface	0.3	182	20.2		8.1		33.5		96.3		7.2		8.3		0.019		
22-12-21	Mid-Ebb	SR14A	Fine	Rough	4.6	Middle				20.2		8.1		33.5		96.3		7.2		8.3		0.016	
22-12-21	Mid-Ebb	SR14A	Fine	Rough	4.6	Middle						8.1		33.4		95.9		7.1		8.0		0.014	
22-12-21	Mid-Ebb	SR14A	Fine	Rough	4.6	Bottom	0.3	183	20.1		8.1		33.5		95.9		7.1		8.1		0.006		
22-12-21	Mid-Ebb	SR14A	Fine	Rough	4.6	Bottom	0.3	201	20.1		8.1		33.4		95.9		7.1		8.1		0.002		
22-12-21	Mid-Flood	CEA	Sunny	Rough	4.2	Surface	0.4	70	19.3		8.1		31.5		96.9		7.4		6.9		0.014		
22-12-21	Mid-Flood	CEA	Sunny	Rough	4.2	Surface	0.4	70	19.3		8.1		31.5		96.9		7.4		6.9		0.012		
22-12-21	Mid-Flood	CEA	Sunny	Rough	4.2	Middle				19.3		8.1		31.5		96.9		7.4		6.9		0.011	
22-12-21	Mid-Flood	CEA	Sunny	Rough	4.2	Middle						8.1		31.5		96.0		7.3		10.5		0.009	
22-12-21	Mid-Flood	CEA	Sunny	Rough	4.2	Bottom	0.3	69	19.3		8.1		31.5		96.0		7.3		10.7		0.008		
22-12-21	Mid-Flood	CF	Sunny	Moderate	13.4	Surface	0.3	0	19.7		8.1		32.7		97.4		7.3		4.9		0.018		
22-12-21	Mid-Flood	CF	Sunny	Moderate	13.4	Surface	0.3	0	19.7		8.1		32.7		97.4		7.3		5.0		0.017		
22-12-21	Mid-Flood	CF	Sunny	Moderate	13.4	Middle	0.3	11	20.0		8.1		33.3		96.8		7.2		6.1		0.011		
22-12-21	Mid-Flood	CF	Sunny	Moderate	13.4	Middle	0.3	11	20.0		8.1		33.3		96.7		7.2		6.1		0.009		
22-12-21	Mid-Flood	CF	Sunny	Moderate	13.4	Bottom	0.3	19	20.0		8.1		33.3		96.6		7.2		7.4		0.006		
22-12-21	Mid-Flood	CF	Sunny	Moderate	13.4	Bottom	0.3	20	20.0		8.1		33.3		96.6		7.2		7.4		0.003		
22-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.2	Surface	0.0	54	19.0		8.1		30.9		91.8		7.1		6.6		0.017		
22-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.2	Surface	0.0	55	19.0		8.1		30.9		91.8		7.1		6.6		0.016		
22-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.2	Middle	0.0	136	19.2		8.1		31.3		92.8		7.1		7.2		0.013		
22-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.2	Middle	0.0	138	19.2		8.1		31.3		92.8		7.1		7.2		0.011		
22-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.2	Bottom	0.2	100	19.4		8.1		31.6		94.3		7.2		9.5		0.004		
22-12-21	Mid-Flood	SR3A	Sunny	Moderate	7.2	Bottom	0.2	102	19.4		8.1		31.6		94.3		7.2		9.6		0.003		
22-12-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Surface	0.1	354	19.9		8.1		33.6		94.2		7.0		3.5		0.017		
22-12-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Surface	0.1	326	19.9		8.1		33.6		94.2		7.0		3.5		0.015		
22-12-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Middle	0.1	163	19.9		8.1		33.5		93.9		7.0		4.1		0.010		
22-12-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Middle	0.1	171	19.9		8.1		33.5		94.0		7.0		4.1		0.008		
22-12-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Bottom	0.0	40	19.8		8.1		33.6		94.0		7.0		4.9		0.005		
22-12-21	Mid-Flood	SR5A	Sunny	Moderate	6.5	Bottom	0.0	41	19.8		8.1		33.6		94.1		7.0		4.9		0.002		
22-12-21	Mid-Flood	SR7	Sunny	Moderate	15.9	Surface	0.2	355	19.7		8.1		32.7		97.3		7.3		5.4		0.019		
22-12-21	Mid-Flood	SR7	Sunny	Moderate	15.9	Surface	0.2	327	19.7		8.1		32.7		97.3		7.3		5.5		0.017		
22-12-21	Mid-Flood	SR7	Sunny	Moderate	15.9	Middle	0.0	216	20.0		8.1		33.3		96.6		7.2		7.1		0.012		
22-12-21	Mid-Flood	SR7	Sunny	Moderate																			

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
29-12-21	Mid-Ebb	CEA	Fine	Calm	3.7	Surface	0.2	226	17.4		8.1		29.5		86.4		6.9		3.6		0.011	
29-12-21	Mid-Ebb	CEA	Fine	Calm	3.7	Surface	0.2	236	17.4		8.1		29.5		86.4		6.9		3.6		0.010	
29-12-21	Mid-Ebb	CEA	Fine	Calm	3.7	Middle				18.1	8.1									4.4		
29-12-21	Mid-Ebb	CEA	Fine	Calm	3.7	Middle																
29-12-21	Mid-Ebb	CEA	Fine	Calm	3.7	Bottom	0.1	223	18.7		8.1		32.0		83.6		6.4	6.4	5.3		0.004	
29-12-21	Mid-Ebb	CEA	Fine	Calm	3.7	Bottom	0.1	242	18.7		8.1		32.0		83.6		6.5	6.5	5.3		0.002	
29-12-21	Mid-Ebb	CF	Fine	Moderate	13.4	Surface	0.4	169	18.0		8.1		32.4		89.8		7.0		2.3		0.018	
29-12-21	Mid-Ebb	CF	Fine	Moderate	13.4	Surface	0.4	179	18.0		8.1		32.4		89.8		7.0		2.3		0.017	
29-12-21	Mid-Ebb	CF	Fine	Moderate	13.4	Middle	0.3	181	18.3		8.1		32.7		87.8		6.8	6.9	2.1		0.013	
29-12-21	Mid-Ebb	CF	Fine	Moderate	13.4	Middle	0.3	181	18.3		8.1		32.7		87.8		6.8	6.8	2.2		0.011	
29-12-21	Mid-Ebb	CF	Fine	Moderate	13.4	Bottom	0.2	189	18.4		8.1		32.9		87.6		6.8	6.8	2.2		0.005	
29-12-21	Mid-Ebb	CF	Fine	Moderate	13.4	Bottom	0.2	191	18.4		8.1		32.9		87.6		6.8	6.8	2.2		0.003	
29-12-21	Mid-Ebb	SR3A	Fine	Calm	6.9	Surface	0.1	260	17.7		8.0		30.3		82.1		6.5		7.1		0.016	
29-12-21	Mid-Ebb	SR3A	Fine	Calm	6.9	Surface	0.1	267	17.7		8.0		30.3		82.1		6.5		7.1		0.015	
29-12-21	Mid-Ebb	SR3A	Fine	Calm	6.9	Middle	0.0	302	18.5		8.1		31.6		81.7		6.3	6.4	8.5		0.009	
29-12-21	Mid-Ebb	SR3A	Fine	Calm	6.9	Middle	0.0	323	18.5		8.1		31.5		81.7		6.3	6.3	8.5		0.007	
29-12-21	Mid-Ebb	SR3A	Fine	Calm	6.9	Bottom	0.0	279	18.8		8.1		32.3		87.2		6.7	6.7	8.5		0.003	
29-12-21	Mid-Ebb	SR3A	Fine	Calm	6.9	Bottom	0.0	303	18.8		8.1		32.3		87.3		6.7	6.7	8.6		0.002	
29-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.9	Surface	0.1	348	18.6		8.1		32.9		87.0		6.7		4.6		0.018	
29-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.9	Surface	0.1	320	18.6		8.1		32.9		87.0		6.7		4.6		0.017	
29-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.9	Middle	0.1	344	18.5		8.1		32.9		87.1		6.7	6.7	6.4		0.012	
29-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.9	Middle	0.1	347	18.5		8.1		32.9		87.1		6.7	6.7	6.4		0.010	
29-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.9	Bottom	0.1	348	18.4		8.1		32.9		87.1		6.7	6.7	10.0		0.004	
29-12-21	Mid-Ebb	SR5A	Fine	Moderate	7.9	Bottom	0.1	320	18.4		8.1		32.9		87.1		6.7	6.7	10.0		0.003	
29-12-21	Mid-Ebb	SR7	Fine	Moderate	16.2	Surface	0.3	176	18.4		8.1		32.7		89.3		6.9		2.1		0.017	
29-12-21	Mid-Ebb	SR7	Fine	Moderate	16.2	Surface	0.3	189	18.4		8.1		32.7		89.3		6.9		2.1		0.015	
29-12-21	Mid-Ebb	SR7	Fine	Moderate	16.2	Middle	0.3	168	18.4		8.1		32.7		89.0		6.9	6.9	2.3		0.011	
29-12-21	Mid-Ebb	SR7	Fine	Moderate	16.2	Middle	0.3	168	18.4		8.1		32.7		89.0		6.9	6.9	2.3		0.010	
29-12-21	Mid-Ebb	SR7	Fine	Moderate	16.2	Bottom	0.2	166	18.4		8.1		32.8		89.0		6.9	6.9	2.4		0.005	
29-12-21	Mid-Ebb	SR7	Fine	Moderate	16.2	Bottom	0.2	166	18.4		8.1		32.8		89.1		6.9	6.9	2.4		0.003	
29-12-21	Mid-Ebb	SR14A	Fine	Calm	4.6	Surface	0.2	221	18.3		8.1		31.3		86.5		6.7		3.6		0.013	
29-12-21	Mid-Ebb	SR14A	Fine	Calm	4.6	Surface	0.2	233	18.3		8.1		31.3		86.4		6.7		3.6		0.011	
29-12-21	Mid-Ebb	SR14A	Fine	Calm	4.6	Middle				18.5	8.1									4.8		
29-12-21	Mid-Ebb	SR14A	Fine	Calm	4.6	Middle																
29-12-21	Mid-Ebb	SR14A	Fine	Calm	4.6	Bottom	0.2	223	18.7		8.1		32.3		86.5		6.7	6.0	6.0		0.004	
29-12-21	Mid-Ebb	SR14A	Fine	Calm	4.6	Bottom	0.2	233	18.7		8.1		32.3		86.6		6.7	6.0	6.0		0.002	
29-12-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Surface	0.1	18	17.0		8.0		28.5		88.4		7.2		2.0		0.014	
29-12-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Surface	0.1	19	17.0		8.0		28.5		88.4		7.2		2.0		0.011	
29-12-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Middle				17.8	8.1									3.8		
29-12-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Middle																
29-12-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Bottom	0.1	19	18.6		8.1		31.8		84.0		6.5	6.5	5.6		0.006	
29-12-21	Mid-Flood	CEA	Sunny	Moderate	4.1	Bottom	0.1	20	18.6		8.1		31.8		84.0		6.5	6.5	5.6		0.005	
29-12-21	Mid-Flood	CF	Sunny	Rough	15.9	Surface	0.2	17	17.7		8.2		30.5		93.3		7.4		1.9		0.019	
29-12-21	Mid-Flood	CF	Sunny	Rough	15.9	Surface	0.2	18	17.7		8.2		30.5		93.3		7.4		1.9		0.018	
29-12-21	Mid-Flood	CF	Sunny	Rough	15.9	Middle	0.1	27	18.6		8.2		32.5		90.0		6.9	7.2	2.1		0.014	
29-12-21	Mid-Flood	CF	Sunny	Rough	15.9	Middle	0.1	28	18.6		8.2		32.5		90.0		6.9	6.9	2.1		0.013	
29-12-21	Mid-Flood	CF	Sunny	Rough	15.9	Bottom	0.2	340	18.6		8.2		32.6		90.0		6.9	6.9	2.5		0.006	
29-12-21	Mid-Flood	CF	Sunny	Rough	15.9	Bottom	0.3	340	18.6		8.2		32.6		90.0		6.9	6.9	2.5		0.005	
29-12-21	Mid-Flood	SR3A	Sunny	Rough	6.3	Surface	0.0	10	18.0		8.0		29.9		86.2		6.8		5.3		0.018	
29-12-21	Mid-Flood	SR3A	Sunny	Rough	6.3	Surface	0.0	10	18.0		8.0		29.9		86.2		6.8		5.3		0.017	
29-12-21	Mid-Flood	SR3A	Sunny	Rough	6.3	Middle	0.1	13	18.5		8.1		31.4		83.1		6.5	6.6	10.5		0.010	
29-12-21	Mid-Flood	SR3A	Sunny	Rough	6.3	Middle	0.1	13	18.5		8.1		31.5		83.2		6.5	6.5	10.5		0.008	
29-12-21	Mid-Flood	SR3A	Sunny	Rough	6.3	Bottom	0.1	27	18.8		8.1		32.2		84.3		6.5	6.5	3.2		0.003	
29-12-21	Mid-Flood	SR3A	Sunny	Rough	6.3	Bottom	0.1	27	18.8		8.1		32.2		84.3		6.5	6.5	3.3		0.002	
29-12-21	Mid-Flood	SR5A	Sunny	Rough	7.5	Surface	0.1	3	18.9		8.2		32.7		89.6		6.9		3.5		0.017	
29-12-21	Mid-Flood	SR5A	Sunny	Rough	7.5	Surface	0.1	3	18.9		8.2		32.7		89.6		6.9		3.5		0.016	
29-12-21	Mid-Flood	SR5A	Sunny	Rough	7.5	Middle	0.1	1	18.9		8.2		32.7		89.7		6.9	6.9	4.5		0.012	
29-12-21	Mid-Flood	SR5A	Sunny	Rough	7.5	Middle	0.1	1	18.9		8.2		32.7		89.7		6.9	6.9	4.5		0.011	
29-12-21	Mid-Flood	SR5A	Sunny	Rough	7.5	Bottom	0.1	12	18.9		8.2		32.7		90.0		6.9	6.9	5.0		0.006	
29-12-21	Mid-Flood	SR5A	Sunny	Rough	7.5	Bottom	0.1	12	18.9		8.2		32.7		90.0		6.9	6.9	5.1		0.005	
29-12-21	Mid-Flood	SR7	Sunny	Rough	17.2	Surface	0.3	15	17.9		8.2		31.0		92.8		7.3		1.9		0.018	
29-12-21	Mid-Flood	SR7	Sunny	Rough	17.2	Surface	0.3	15	17.9		8.2		31.0		92.8		7.3	7.1	1.9		0.017	
29-12-21	Mid-Flood	SR7	Sunny	Rough	17.2	Middle	0.2															

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
07-01-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Surface	0.4	210	19.7		8.0		31.3		99.5		7.6		9.5		0.012	
07-01-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Surface	0.4	227	19.7		8.0		31.3		99.5		7.6		9.6		0.011	
07-01-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Middle				19.7	8.0			31.3			7.6		10.1			0.009
07-01-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Middle					8.0						7.6	7.6	10.6			0.008
07-01-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Bottom	0.3	209	19.7		8.0		31.3		99.6		7.6		10.6			0.005
07-01-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Bottom	0.3	213	19.7		8.0		31.3		99.7		7.6		10.6			0.005
07-01-22	Mid-Ebb	CF	Fine	Rough	16.6	Surface	0.3	213	19.5		8.0		31.2		98.5		7.5		7.4		0.016	
07-01-22	Mid-Ebb	CF	Fine	Rough	16.6	Surface	0.4	221	19.5		8.0		31.2		98.5		7.5		7.4		0.015	
07-01-22	Mid-Ebb	CF	Fine	Rough	16.6	Middle	0.4	236	19.5	19.5	8.0		31.3	31.4	97.5	97.5	7.4	7.5	7.6	8.3	0.011	0.010
07-01-22	Mid-Ebb	CF	Fine	Rough	16.6	Middle	0.4	237	19.5		8.0		31.3		97.5		7.4		7.6		0.009	
07-01-22	Mid-Ebb	CF	Fine	Rough	16.6	Bottom	0.4	204	19.5		8.0		31.7		96.6		7.4	7.4	9.9		0.004	
07-01-22	Mid-Ebb	CF	Fine	Rough	16.6	Bottom	0.5	214	19.5		8.0		31.7		96.6		7.4		9.9		0.003	
07-01-22	Mid-Ebb	SR3A	Fine	Calm	6.9	Surface	0.1	234	20.5		8.0		31.1		102.2		7.7		9.5		0.017	
07-01-22	Mid-Ebb	SR3A	Fine	Calm	6.9	Surface	0.1	244	20.5		8.0		31.1		102.2		7.7		9.5		0.018	
07-01-22	Mid-Ebb	SR3A	Fine	Calm	6.9	Middle	0.1	250	20.1	20.2	8.0		31.1	31.1	100.3	101.0	7.6	7.6	11.4	11.1	0.010	0.010
07-01-22	Mid-Ebb	SR3A	Fine	Calm	6.9	Middle	0.1	252	20.1		8.0		31.1		100.3		7.6		11.5		0.008	
07-01-22	Mid-Ebb	SR3A	Fine	Calm	6.9	Bottom	0.1	227	20.1		8.0		31.1		100.3		7.6	7.6	12.5		0.003	
07-01-22	Mid-Ebb	SR3A	Fine	Calm	6.9	Bottom	0.1	246	20.1		8.0		31.1		100.4		7.6	7.6	12.5		0.002	
07-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.8	Surface	0.4	224	19.8		8.0		31.8		99.6		7.5		7.8		0.016	
07-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.8	Surface	0.4	227	19.8		8.0		31.8		99.6		7.5		7.9		0.014	
07-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.8	Middle	0.3	210	19.8	19.8	8.0		31.9	31.9	99.1	99.3	7.5	7.5	8.9	9.1	0.008	0.009
07-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.8	Middle	0.3	230	19.8		8.0		31.9		99.1		7.5		8.9		0.007	
07-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.8	Bottom	0.3	229	19.8		8.0		31.9		99.2		7.5	7.5	10.7		0.004	
07-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.8	Bottom	0.3	230	19.8		8.0		31.9		99.2		7.5		10.7		0.003	
07-01-22	Mid-Ebb	SR7	Fine	Rough	19.8	Surface	0.4	239	19.6		8.0		31.3		98.2		7.5		6.9		0.019	
07-01-22	Mid-Ebb	SR7	Fine	Rough	19.8	Surface	0.4	240	19.6		8.0		31.3		98.2		7.5		6.9		0.018	
07-01-22	Mid-Ebb	SR7	Fine	Rough	19.8	Middle	0.4	233	19.5	19.6	8.0		31.6	31.6	96.9	97.3	7.4	7.4	7.9	9.5	0.013	0.012
07-01-22	Mid-Ebb	SR7	Fine	Rough	19.8	Middle	0.4	251	19.5		8.0		31.6		96.9		7.4		7.9		0.012	
07-01-22	Mid-Ebb	SR7	Fine	Rough	19.8	Bottom	0.5	231	19.6		8.0		32.0		96.6		7.3	7.3	13.9		0.005	
07-01-22	Mid-Ebb	SR7	Fine	Rough	19.8	Bottom	0.5	245	19.6		8.0		32.0		96.7		7.3		13.9		0.003	
07-01-22	Mid-Ebb	SR14A	Fine	Moderate	4.6	Surface	0.3	227	20.0		8.0		31.6		99.9		7.6		7.7		0.014	
07-01-22	Mid-Ebb	SR14A	Fine	Moderate	4.6	Surface	0.4	227	20.0		8.0		31.6		99.8		7.5		7.7		0.011	
07-01-22	Mid-Ebb	SR14A	Fine	Moderate	4.6	Middle				20.0	8.0						7.5		7.7			0.010
07-01-22	Mid-Ebb	SR14A	Fine	Moderate	4.6	Middle					8.0						7.4		6.4		0.008	
07-01-22	Mid-Ebb	SR14A	Fine	Moderate	4.6	Bottom	0.3	268	19.9		8.0		31.9		98.7		7.5	7.4	6.5		0.005	
07-01-22	Mid-Ebb	SR14A	Fine	Moderate	4.6	Bottom	0.3	290	19.9		8.0		31.9		98.7		7.5		6.5		0.005	
07-01-22	Mid-Flood	CEA	Sunny	Moderate	4.2	Surface	0.3	47	19.9		8.0		31.1		102.2		7.8		7.4		0.013	
07-01-22	Mid-Flood	CEA	Sunny	Moderate	4.2	Surface	0.3	51	19.9		8.0		31.1		102.2		7.8		7.4		0.011	
07-01-22	Mid-Flood	CEA	Sunny	Moderate	4.2	Middle				19.8	8.1								7.4			0.009
07-01-22	Mid-Flood	CEA	Sunny	Moderate	4.2	Middle					8.1								7.4			0.009
07-01-22	Mid-Flood	CEA	Sunny	Moderate	4.2	Bottom	0.2	44	19.7		8.1		31.2		100.4		7.6	7.6	10.2		0.006	
07-01-22	Mid-Flood	CEA	Sunny	Moderate	4.2	Bottom	0.3	47	19.7		8.1		31.2		100.4		7.6		10.2		0.004	
07-01-22	Mid-Flood	CF	Sunny	Rough	13.7	Surface	0.2	358	20.0		8.1		31.8		100.3		7.6		6.2		0.017	
07-01-22	Mid-Flood	CF	Sunny	Rough	13.7	Surface	0.3	329	20.0		8.1		31.8		100.3		7.6		6.2		0.016	
07-01-22	Mid-Flood	CF	Sunny	Rough	13.7	Middle	0.3	3	19.8	20.0	8.1	8.1	32.0	32.0	99.3	99.8	7.5	7.5	8.9	8.3	0.010	0.009
07-01-22	Mid-Flood	CF	Sunny	Rough	13.7	Middle	0.3	3	19.9		8.1		32.1		99.3		7.5		8.9		0.008	
07-01-22	Mid-Flood	CF	Sunny	Rough	13.7	Bottom	0.3	351	20.0		8.1		32.3		99.7		7.5	7.5	9.9		0.003	
07-01-22	Mid-Flood	CF	Sunny	Rough	13.7	Bottom	0.4	323	20.0		8.1		32.3		99.7		7.5		9.9		0.002	
07-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.6	Surface	0.0	29	20.3		8.0		31.5		100.8		7.6		6.5		0.015	
07-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.6	Surface	0.0	29	20.3		8.0		31.5		100.8		7.6		6.5		0.014	
07-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.6	Middle	0.0	14	20.8	20.5	8.0	8.0	31.8	31.8	102.1	100.9	7.6	7.6	8.8	8.3	0.010	0.009
07-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.6	Middle	0.0	15	20.8		8.0		31.8		102.1		7.6		8.7		0.008	
07-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.6	Bottom	0.1	42	20.4		8.0		32.0		99.8		7.5	7.5	9.7		0.004	
07-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.6	Bottom	0.1	44	20.4		8.0		32.0		99.9		7.5		9.7		0.002	
07-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.6	Surface	0.1	39	20.3		8.0		32.3		98.1		7.3		10.7		0.019	
07-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.6	Surface	0.1	41	20.3		8.0		32.3		98.1		7.3		10.7		0.018	
07-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.6	Middle	0.1	38	20.2	20.2	8.0	8.0	32.4	32.4	97.6	97.6	7.3	7.3	11.0	10.5	0.010	0.010
07-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.6	Middle	0.1	40	20.2		8.0		32.4		97.6		7.3		11.1		0.008	
07-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.6	Bottom	0.1	29	20.1		8.0		32.5		97.0		7.3	7.3	9.8		0.005	
07-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.6	Bottom	0.1	30	20.2		8.0		32.5		97.1		7.3		9.9		0.002	
07-01-22	Mid-Flood	SR7	Sunny	Rough	18.6	Surface	0.3	25	19.9		8.0		31.4		100.0		7.6		7.4		0.017	
07-01-22	Mid-Flood	SR7																				

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
11-01-22	Mid-Ebb	CEA	Fine	Moderate	3.8	Surface	0.1	181	19.1		8.0		30.5		98.5		7.6		4.4		0.011	
11-01-22	Mid-Ebb	CEA	Fine	Moderate	3.8	Surface	0.1	187	19.1		8.0		30.5		98.5		7.6		4.4		0.010	
11-01-22	Mid-Ebb	CEA	Fine	Moderate	3.8	Middle				19.5	8.0			31.4		96.4		7.6		5.7		0.008
11-01-22	Mid-Ebb	CEA	Fine	Moderate	3.8	Middle					8.0						7.1	7.1	7.1		0.006	
11-01-22	Mid-Ebb	CEA	Fine	Moderate	3.8	Bottom	0.1	182	19.9		8.0		32.2		94.2		7.1		7.1		0.003	
11-01-22	Mid-Ebb	CEA	Fine	Moderate	3.8	Bottom	0.1	184	19.9		8.0		32.2		94.3		7.1		7.1		0.003	
11-01-22	Mid-Ebb	CF	Fine	Rough	14.2	Surface	0.3	154	19.4		8.0		32.7		95.1		7.2		4.3		0.018	
11-01-22	Mid-Ebb	CF	Fine	Rough	14.2	Surface	0.3	159	19.4		8.0		32.7		95.1		7.2		4.3		0.017	
11-01-22	Mid-Ebb	CF	Fine	Rough	14.2	Middle	0.1	142	19.5		8.0		32.8		93.7		7.1	7.1	4.5		0.010	
11-01-22	Mid-Ebb	CF	Fine	Rough	14.2	Middle	0.1	155	19.5		8.0		32.8		93.6		7.1		4.5		0.008	
11-01-22	Mid-Ebb	CF	Fine	Rough	14.2	Bottom	0.1	219	19.8		8.0		33.3		90.3		6.8	6.8	5.3		0.005	
11-01-22	Mid-Ebb	CF	Fine	Rough	14.2	Bottom	0.1	231	19.8		8.0		33.3		90.3		6.8		5.3		0.003	
11-01-22	Mid-Ebb	SR3A	Fine	Rough	7.1	Surface	0.1	204	18.2		7.9		30.3		91.9		7.2		6.0		0.016	
11-01-22	Mid-Ebb	SR3A	Fine	Rough	7.1	Surface	0.1	211	18.2		7.9		30.2		91.9		7.2		6.0		0.015	
11-01-22	Mid-Ebb	SR3A	Fine	Rough	7.1	Middle	0.0	260	19.8		8.0		32.0		93.2		7.0	7.1	7.4		0.009	
11-01-22	Mid-Ebb	SR3A	Fine	Rough	7.1	Middle	0.0	272	19.8		8.0		32.0		93.2		7.0		7.4		0.008	
11-01-22	Mid-Ebb	SR3A	Fine	Rough	7.1	Bottom	0.0	48	20.0		8.0		32.6		92.9		7.0	7.0	8.8		0.004	
11-01-22	Mid-Ebb	SR3A	Fine	Rough	7.1	Bottom	0.0	49	20.0		8.0		32.6		92.9		7.0		8.8		0.002	
11-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.4	Surface	0.0	352	19.0		8.0		32.7		93.7		7.2		6.7		0.017	
11-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.4	Surface	0.0	324	19.0		8.0		32.7		93.7		7.2		6.7		0.016	
11-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.4	Middle	0.0	51	19.2		8.0		32.9		93.7		7.1	7.1	7.7		0.010	
11-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.4	Middle	0.0	54	19.2		8.0		32.9		93.2		7.1		7.7		0.009	
11-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.4	Bottom	0.0	15	19.2		8.0		32.9		93.4		7.1	7.1	8.4		0.004	
11-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.4	Bottom	0.0	15	19.2		8.0		32.9		93.5		7.1		8.5		0.003	
11-01-22	Mid-Ebb	SR7	Fine	Rough	17.6	Surface	0.2	152	19.4		8.0		32.7		95.3		7.2		4.0		0.018	
11-01-22	Mid-Ebb	SR7	Fine	Rough	17.6	Surface	0.2	162	19.4		8.0		32.7		95.3		7.2		4.0		0.017	
11-01-22	Mid-Ebb	SR7	Fine	Rough	17.6	Middle	0.0	120	19.7		8.0		32.9		93.1		7.1	7.1	4.2		0.013	
11-01-22	Mid-Ebb	SR7	Fine	Rough	17.6	Middle	0.0	126	19.7		8.0		32.9		93.1		7.0		4.2		0.012	
11-01-22	Mid-Ebb	SR7	Fine	Rough	17.6	Bottom	0.0	256	19.8		8.0		33.2		91.5		6.9	6.9	4.3		0.007	
11-01-22	Mid-Ebb	SR7	Fine	Rough	17.6	Bottom	0.0	256	19.8		8.0		33.2		91.7		6.9		4.3		0.005	
11-01-22	Mid-Ebb	SR14A	Fine	Rough	4.2	Surface	0.1	247	18.5		8.0		29.9		97.8		7.7		5.2		0.015	
11-01-22	Mid-Ebb	SR14A	Fine	Rough	4.2	Surface	0.1	250	18.5		8.0		29.9		97.8		7.7		5.3		0.013	
11-01-22	Mid-Ebb	SR14A	Fine	Rough	4.2	Middle				19.1	8.0			31.3		95.8		7.7		5.0		0.012
11-01-22	Mid-Ebb	SR14A	Fine	Rough	4.2	Middle					8.0						7.1		4.9		0.011	
11-01-22	Mid-Ebb	SR14A	Fine	Rough	4.2	Bottom	0.1	247	19.6		8.0		32.8		93.7		7.1	7.1	4.8		0.008	
11-01-22	Mid-Ebb	SR14A	Fine	Rough	4.2	Bottom	0.1	268	19.6		8.0		32.8		93.8		7.1		4.8		0.008	
11-01-22	Mid-Flood	CEA	Cloudy	Moderate	4.2	Surface	0.1	99	19.0		8.0		30.5		99.7		7.7		5.2		0.010	
11-01-22	Mid-Flood	CEA	Cloudy	Moderate	4.2	Surface	0.1	100	19.0		8.0		30.4		99.6		7.7		5.2		0.008	
11-01-22	Mid-Flood	CEA	Cloudy	Moderate	4.2	Middle				19.4	8.0			31.3		97.3		7.7		6.8		0.006
11-01-22	Mid-Flood	CEA	Cloudy	Moderate	4.2	Middle					8.0						7.2		8.4		0.004	
11-01-22	Mid-Flood	CEA	Cloudy	Moderate	4.2	Bottom	0.1	105	19.8		8.0		32.2		94.9		7.2	7.2	8.4		0.002	
11-01-22	Mid-Flood	CEA	Cloudy	Moderate	4.2	Bottom	0.1	110	19.8		8.0		32.2		94.9		7.2		8.4		0.002	
11-01-22	Mid-Flood	CF	Cloudy	Rough	15.9	Surface	0.2	309	19.5		8.1		32.8		96.6		7.3		3.5		0.016	
11-01-22	Mid-Flood	CF	Cloudy	Rough	15.9	Surface	0.2	324	19.5		8.1		32.8		96.6		7.3		3.5		0.014	
11-01-22	Mid-Flood	CF	Cloudy	Rough	15.9	Middle	0.3	310	19.5		8.1		32.8		95.7		7.2		3.4		0.009	
11-01-22	Mid-Flood	CF	Cloudy	Rough	15.9	Middle	0.3	337	19.5		8.1		32.8		95.6		7.2		3.4		0.008	
11-01-22	Mid-Flood	CF	Cloudy	Rough	15.9	Bottom	0.3	337	19.7		8.0		33.2		92.0		6.9	6.9	5.5		0.003	
11-01-22	Mid-Flood	CF	Cloudy	Rough	15.9	Bottom	0.3	350	19.7		8.0		33.2		92.0		6.9		5.6		0.002	
11-01-22	Mid-Flood	SR3A	Cloudy	Moderate	7.2	Surface	0.1	81	18.7		8.0		29.4		101.7		8.0		6.6		0.018	
11-01-22	Mid-Flood	SR3A	Cloudy	Moderate	7.2	Surface	0.1	87	18.7		8.0		29.4		101.7		8.0		6.6		0.016	
11-01-22	Mid-Flood	SR3A	Cloudy	Moderate	7.2	Middle	0.2	85	19.7		8.0		32.0		93.6		7.1	7.5	6.9		0.011	
11-01-22	Mid-Flood	SR3A	Cloudy	Moderate	7.2	Middle	0.2	92	19.7		8.0		32.0		93.6		7.1		6.9		0.009	
11-01-22	Mid-Flood	SR3A	Cloudy	Moderate	7.2	Bottom	0.1	77	20.0		8.0		32.4		93.9		7.1	7.1	6.7		0.005	
11-01-22	Mid-Flood	SR3A	Cloudy	Moderate	7.2	Bottom	0.1	83	20.0		8.0		32.4		93.9		7.1		6.7		0.003	
11-01-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Surface	0.2	329	19.7		8.0		33.0		93.3		7.0		3.5		0.017	
11-01-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Surface	0.2	359	19.7		8.0		33.0		93.3		7.0		3.5		0.016	
11-01-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Middle	0.2	330	19.7		8.0		33.0		93.5		7.0	7.0	3.9		0.011	
11-01-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Middle	0.2	357	19.7		8.0		33.0		93.5		7.0		3.9		0.009	
11-01-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Bottom	0.2	330	19.7		8.0		33.0		93.9		7.1	7.1	4.1		0.004	
11-01-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Bottom	0.2	356	19.7		8.0		33.0		94.0		7.1		4.1		0.002	
11-01-22	Mid-Flood	SR7	Cloudy	Rough	18.6	Surface	0.3	354	19.6		8.1		32.9		93.8		7.1		3.4		0.018	
11-01-22	Mid-Flood	SR7	Cloudy	Rough	18.6	Surface	0.3	326	19.6		8.1		32.9		93.8		7.1		3.4		0.015	

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
19-01-22	Mid-Ebb	CEA	Fine	Moderate	4.8	Surface	0.3	197	19.2		8.1		33.5		95.7		7.3		6.1		0.015	
19-01-22	Mid-Ebb	CEA	Fine	Moderate	4.8	Surface	0.3	210	19.2		8.1		33.5		95.8		7.3		6.1		0.013	
19-01-22	Mid-Ebb	CEA	Fine	Moderate	4.8	Middle				19.2	8.1			33.5		96.8		7.3		6.4		0.010
19-01-22	Mid-Ebb	CEA	Fine	Moderate	4.8	Middle					8.1						7.4	7.4	6.8		0.008	
19-01-22	Mid-Ebb	CEA	Fine	Moderate	4.8	Bottom	0.3	205	19.2		8.1		33.5		97.6		7.4		6.8		0.005	
19-01-22	Mid-Ebb	CEA	Fine	Moderate	4.8	Bottom	0.3	218	19.2		8.1		33.5		97.9		7.4		6.8		0.005	
19-01-22	Mid-Ebb	CF	Fine	Rough	12.8	Surface	0.4	182	19.3		8.1		33.2		97.5		7.4		4.5		0.019	
19-01-22	Mid-Ebb	CF	Fine	Rough	12.8	Surface	0.4	196	19.3		8.1		33.2		97.4		7.4		4.6		0.018	
19-01-22	Mid-Ebb	CF	Fine	Rough	12.8	Middle	0.4	190	19.3	19.3	8.1		33.4	33.4	95.6	95.5	7.2	7.3	4.4	5.4	0.014	0.012
19-01-22	Mid-Ebb	CF	Fine	Rough	12.8	Middle	0.4	195	19.3		8.1		33.4		95.6		7.2		4.4		0.013	
19-01-22	Mid-Ebb	CF	Fine	Rough	12.8	Bottom	0.4	188	19.2		8.1		33.6		93.4		7.1	7.1	7.2		0.005	
19-01-22	Mid-Ebb	CF	Fine	Rough	12.8	Bottom	0.4	191	19.2		8.1		33.6		93.4		7.1		7.2		0.002	
19-01-22	Mid-Ebb	SR3A	Fine	Rough	7.9	Surface	0.2	255	19.2		8.1		33.5		94.5		7.2		5.6		0.018	
19-01-22	Mid-Ebb	SR3A	Fine	Rough	7.9	Surface	0.2	258	19.2		8.1		33.5		94.5		7.2		5.7		0.016	
19-01-22	Mid-Ebb	SR3A	Fine	Rough	7.9	Middle	0.2	273	19.2	19.2	8.1		33.5	33.5	93.7	94.0	7.1	7.1	8.3	7.8	0.012	0.011
19-01-22	Mid-Ebb	SR3A	Fine	Rough	7.9	Middle	0.2	288	19.2		8.1		33.5		93.7		7.1		8.2		0.011	
19-01-22	Mid-Ebb	SR3A	Fine	Rough	7.9	Bottom	0.3	280	19.2		8.1		33.5		93.7		7.1	7.1	9.5		0.004	
19-01-22	Mid-Ebb	SR3A	Fine	Rough	7.9	Bottom	0.3	295	19.2		8.1		33.5		93.7		7.1		9.5		0.003	
19-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.2	Surface	0.2	176	19.3		8.1		33.1		96.9		7.4		5.9		0.016	
19-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.2	Surface	0.2	178	19.3		8.1		33.1		96.9		7.4		6.0		0.014	
19-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.2	Middle	0.2	168	19.2	19.2	8.1		33.2	33.2	96.7	97.0	7.3	7.3	8.9	9.0	0.010	0.009
19-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.2	Middle	0.2	173	19.2		8.1		33.2		96.7		7.3		8.9		0.009	
19-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.2	Bottom	0.2	155	19.2		8.1		33.2		97.3		7.4	7.4	12.1		0.003	
19-01-22	Mid-Ebb	SR5A	Fine	Moderate	7.2	Bottom	0.2	164	19.2		8.1		33.2		97.3		7.4		12.2		0.002	
19-01-22	Mid-Ebb	SR7	Fine	Rough	17.2	Surface	0.4	168	19.2		8.1		33.4		95.3		7.2		6.3		0.017	
19-01-22	Mid-Ebb	SR7	Fine	Rough	17.2	Surface	0.4	171	19.2		8.1		33.4		95.3		7.2		6.3		0.015	
19-01-22	Mid-Ebb	SR7	Fine	Rough	17.2	Middle	0.4	175	19.2	19.2	8.1		33.4	33.4	95.3	95.4	7.2	7.2	6.6	6.6	0.012	0.011
19-01-22	Mid-Ebb	SR7	Fine	Rough	17.2	Middle	0.4	187	19.2		8.1		33.4		95.3		7.2		6.6		0.011	
19-01-22	Mid-Ebb	SR7	Fine	Rough	17.2	Bottom	0.3	181	19.2		8.1		33.4		95.5		7.2		6.9		0.006	
19-01-22	Mid-Ebb	SR7	Fine	Rough	17.2	Bottom	0.3	183	19.2		8.1		33.4		95.5		7.2		6.9		0.004	
19-01-22	Mid-Ebb	SR14A	Fine	Rough	4.9	Surface	0.3	222	19.2		8.1		33.4		94.2		7.1		6.4		0.015	
19-01-22	Mid-Ebb	SR14A	Fine	Rough	4.9	Surface	0.3	233	19.2		8.1		33.4		94.2		7.1		6.5		0.014	
19-01-22	Mid-Ebb	SR14A	Fine	Rough	4.9	Middle				19.2	8.1						7.1	7.1	6.5	6.5	0.004	0.003
19-01-22	Mid-Ebb	SR14A	Fine	Rough	4.9	Middle					8.1				94.3		7.2		6.6		0.004	
19-01-22	Mid-Ebb	SR14A	Fine	Rough	4.9	Bottom	0.3	241	19.2		8.1		33.5		94.3		7.2	7.2	6.6		0.004	
19-01-22	Mid-Ebb	SR14A	Fine	Rough	4.9	Bottom	0.3	253	19.2		8.1		33.4		94.3		7.2		6.6		0.003	
19-01-22	Mid-Flood	CEA	Sunny	Rough	4.8	Surface	0.3	77	19.2		8.1		33.3		95.7		7.3		5.5		0.014	
19-01-22	Mid-Flood	CEA	Sunny	Rough	4.8	Surface	0.3	79	19.2		8.1		33.3		95.7		7.3		5.6		0.013	
19-01-22	Mid-Flood	CEA	Sunny	Rough	4.8	Middle				19.2	8.1						7.3	7.3	5.6	5.4	0.005	0.004
19-01-22	Mid-Flood	CEA	Sunny	Rough	4.8	Middle					8.1				95.6		7.3		5.3		0.005	
19-01-22	Mid-Flood	CEA	Sunny	Rough	4.8	Bottom	0.4	68	19.2		8.1		33.3		95.6		7.3	7.3	5.3		0.004	
19-01-22	Mid-Flood	CEA	Sunny	Rough	4.8	Bottom	0.4	69	19.2		8.1		33.3		95.6		7.3		5.3		0.004	
19-01-22	Mid-Flood	CF	Sunny	Moderate	12.9	Surface	0.4	359	19.1		7.9		32.4		99.3		7.6		4.5		0.016	
19-01-22	Mid-Flood	CF	Sunny	Moderate	12.9	Surface	0.4	330	19.1		7.9		32.4		99.2		7.6		4.5		0.015	
19-01-22	Mid-Flood	CF	Sunny	Moderate	12.9	Middle	0.4	346	19.2	19.2	7.9	7.9	32.6	32.6	97.8	98.2	7.4	7.5	5.9	6.7	0.009	0.009
19-01-22	Mid-Flood	CF	Sunny	Moderate	12.9	Middle	0.4	356	19.2		7.9		32.6		97.7		7.4		6.0		0.008	
19-01-22	Mid-Flood	CF	Sunny	Moderate	12.9	Bottom	0.5	333	19.3		7.9		32.7		97.7		7.4	7.4	9.8		0.004	
19-01-22	Mid-Flood	CF	Sunny	Moderate	12.9	Bottom	0.6	346	19.3		7.9		32.7		97.7		7.4		9.8		0.002	
19-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.7	Surface	0.2	66	19.2		8.1		33.2		97.4		7.4		4.2		0.015	
19-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.7	Surface	0.2	68	19.2		8.1		33.2		97.4		7.4		4.2		0.014	
19-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.7	Middle	0.2	68	19.2	19.2	8.1	8.1	33.2	33.2	97.3	97.4	7.4	7.4	5.9	5.4	0.007	0.006
19-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.7	Middle	0.2	68	19.2		8.1		33.2		97.4		7.4		5.9		0.006	
19-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.7	Bottom	0.3	60	19.2		8.1		33.3		97.5		7.4	7.4	6.2		0.003	
19-01-22	Mid-Flood	SR3A	Sunny	Moderate	7.7	Bottom	0.3	62	19.2		8.1		33.3		97.6		7.4		6.2		0.002	
19-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.9	Surface	0.3	321	19.2		8.0		32.8		98.7		7.5		7.4		0.017	
19-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.9	Surface	0.3	326	19.2		8.0		32.8		98.7		7.5		7.4		0.016	
19-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.9	Middle	0.3	279	19.2	19.2	8.0	8.0	32.8	32.8	99.2	99.6	7.6	7.5	7.1	7.6	0.011	0.010
19-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.9	Middle	0.3	299	19.2		8.0		32.8		99.3		7.6		7.1		0.010	
19-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.9	Bottom	0.3	288	19.1		8.0		32.8		100.7		7.7	7.7	8.4		0.006	
19-01-22	Mid-Flood	SR5A	Sunny	Moderate	6.9	Bottom	0.3	310	19.1		8.0		32.8		100.7		7.7		8.4		0.005	
19-01-22	Mid-Flood	SR7	Sunny	Moderate	16.0	Surface	0.4	17	19.2		8.0		32.3		99.9		7.6		4.4		0.016	
19-01-22	Mid-F																					

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value
26-01-22	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Surface	0.1	212	19.7		7.8		30.2		98.5		7.5		3.6		0.017		
26-01-22	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Surface	0.1	224	19.7		7.8		30.3		98.6		7.5		3.7		0.015		
26-01-22	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Middle				19.7		7.8		30.3		98.9		7.5		3.6		0.010	
26-01-22	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Middle					7.8		30.4		99.2		7.6		3.6		0.001		
26-01-22	Mid-Ebb	CEA	Cloudy	Moderate	3.7	Bottom	0.1	209	19.7		7.8		30.5		99.3		7.6	7.6	3.6		0.005		
26-01-22	Mid-Ebb	CF	Cloudy	Moderate	16.8	Surface	0.4	161	19.4		8.0		31.7		93.1		7.1		3.4		0.016		
26-01-22	Mid-Ebb	CF	Cloudy	Moderate	16.8	Surface	0.4	171	19.4		8.0		31.7		93.1		7.1		3.4		0.021		
26-01-22	Mid-Ebb	CF	Cloudy	Moderate	16.8	Middle	0.4	158	19.4	19.4	8.0	8.0	31.7	31.7	92.1	92.5	7.1	7.1	7.6	6.7	0.015	0.011	
26-01-22	Mid-Ebb	CF	Cloudy	Moderate	16.8	Middle	0.4	172	19.4		8.0		31.7		92.0		7.1		7.2		0.011		
26-01-22	Mid-Ebb	CF	Cloudy	Moderate	16.8	Bottom	0.5	163	19.3		8.0		31.7		92.2		7.1	7.1	9.3		0.002		
26-01-22	Mid-Ebb	CF	Cloudy	Moderate	16.8	Bottom	0.5	174	19.3		8.0		31.7		92.2		7.1	7.1	9.2		0.003		
26-01-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.8	Surface	0.1	210	19.8		7.9		30.6		94.4		7.2		4.0		0.015		
26-01-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.8	Surface	0.1	225	19.8		7.9		30.6		94.4		7.2		4.0		0.018		
26-01-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.8	Middle	0.1	220	19.8	19.8	7.9	7.9	30.6	30.8	94.9	95.8	7.2	7.2	4.0	3.8	0.010	0.010	
26-01-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.8	Middle	0.1	237	19.8		7.9		30.6		95.0		7.2		4.0		0.013		
26-01-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.8	Bottom	0.1	202	19.9		8.0		31.1		97.9		7.4	7.4	3.4		0.002		
26-01-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.8	Bottom	0.1	218	19.9		8.0		31.1		98.0		7.4	7.4	3.5		0.003		
26-01-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.4	Surface	0.2	130	19.5		8.0		31.8		97.6		7.4		11.8		0.026		
26-01-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.4	Surface	0.2	134	19.5		8.0		31.8		97.6		7.4		11.2		0.021		
26-01-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.4	Middle	0.2	141	19.4	19.4	8.0	8.0	31.9	31.9	98.5	98.7	7.5	7.5	9.8	9.9	0.011	0.013	
26-01-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.4	Middle	0.2	147	19.4		8.0		31.9		98.6		7.5		9.7		0.014		
26-01-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.4	Bottom	0.2	138	19.4		8.1		31.9		99.8		7.6	7.6	8.2		0.002		
26-01-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.4	Bottom	0.2	146	19.3		8.1		32.0		100.0		7.6		8.8		0.005		
26-01-22	Mid-Ebb	SR7	Cloudy	Moderate	17.2	Surface	0.3	168	19.6		8.0		31.3		95.3		7.3		2.0		0.013		
26-01-22	Mid-Ebb	SR7	Cloudy	Moderate	17.2	Surface	0.3	178	19.6		8.0		31.3		95.2		7.3		2.1		0.018		
26-01-22	Mid-Ebb	SR7	Cloudy	Moderate	17.2	Middle	0.3	160	19.3	19.4	8.0	8.0	31.8	31.7	93.4	93.8	7.2	7.2	8.2	8.5	0.011	0.009	
26-01-22	Mid-Ebb	SR7	Cloudy	Moderate	17.2	Middle	0.3	171	19.3		8.0		31.9		93.4		7.2		8.1		0.009		
26-01-22	Mid-Ebb	SR7	Cloudy	Moderate	17.2	Bottom	0.3	164	19.3		8.0		32.0		92.6		7.1	7.1	15.4		0.001		
26-01-22	Mid-Ebb	SR7	Cloudy	Moderate	17.2	Bottom	0.3	174	19.3		8.0		32.0		92.6		7.1	7.1	15.4		0.003		
26-01-22	Mid-Ebb	SR14A	Cloudy	Moderate	4.1	Surface	0.1	220	19.6		8.0		30.8		97.5		7.5		3.2		0.015		
26-01-22	Mid-Ebb	SR14A	Cloudy	Moderate	4.1	Surface	0.1	227	19.6		8.0		30.8		97.5		7.5		3.3		0.013		
26-01-22	Mid-Ebb	SR14A	Cloudy	Moderate	4.1	Middle				19.6		8.0		30.8		97.8		7.5		3.3		0.009	
26-01-22	Mid-Ebb	SR14A	Cloudy	Moderate	4.1	Middle						8.0		30.8		98.1		7.5		3.4		0.003	
26-01-22	Mid-Ebb	SR14A	Cloudy	Moderate	4.1	Bottom	0.1	218	19.6		8.0		30.8		98.1		7.5	7.5	3.4		0.006		
26-01-22	Mid-Ebb	SR14A	Cloudy	Moderate	4.1	Bottom	0.1	233	19.6		8.0		30.8		98.1		7.5	7.5	3.4		0.006		
26-01-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Surface	0.2	46	19.8		8.1		30.5		100.4		7.7		3.1		0.012		
26-01-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Surface	0.2	47	19.8		8.1		30.6		100.3		7.7		3.1		0.013		
26-01-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Middle				19.8		8.1		30.6		100.2		7.7		3.1		0.013	
26-01-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Middle						8.1		30.7		100.0		7.6		3.6		0.002	
26-01-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Bottom	0.2	47	19.7		8.2		30.7		100.0		7.6	7.6	3.6		0.003		
26-01-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Bottom	0.2	50	19.7		8.2		30.7		100.0		7.6	7.6	3.6		0.003		
26-01-22	Mid-Flood	CF	Cloudy	Moderate	16.5	Surface	0.4	340	19.4		8.1		31.8		100.6		7.7		2.4		0.021		
26-01-22	Mid-Flood	CF	Cloudy	Moderate	16.5	Surface	0.4	351	19.4		8.1		31.8		100.6		7.7		2.4		0.029		
26-01-22	Mid-Flood	CF	Cloudy	Moderate	16.5	Middle	0.4	333	19.4	19.4	8.1	8.1	31.8	31.8	99.6	100.0	7.6	7.6	6.0	5.3	0.015	0.015	
26-01-22	Mid-Flood	CF	Cloudy	Moderate	16.5	Middle	0.4	341	19.4		8.1		31.8		99.5		7.6		6.2		0.012		
26-01-22	Mid-Flood	CF	Cloudy	Moderate	16.5	Bottom	0.4	329	19.3		8.1		31.8		99.7		7.6		7.7		0.008		
26-01-22	Mid-Flood	CF	Cloudy	Moderate	16.5	Bottom	0.4	331	19.3		8.1		31.8		99.7		7.6		7.3		0.007		
26-01-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Surface	0.1	55	19.9		8.0		30.9		97.5		7.4		6.5		0.023		
26-01-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Surface	0.1	60	19.9		8.0		30.9		97.5		7.4		6.5		0.021		
26-01-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Middle	0.1	50	19.9	19.9	8.0	8.0	30.9	30.9	97.4	97.9	7.4	7.4	5.8	6.1	0.013	0.014	
26-01-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Middle	0.1	51	19.9		8.0		30.9		97.4		7.4		5.7		0.016		
26-01-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Bottom	0.1	49	19.9		8.1		31.0		98.7		7.5		6.2		0.002		
26-01-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Bottom	0.1	52	19.9		8.1		31.0		98.7		7.5		6.2		0.007		
26-01-22	Mid-Flood	SR5A	Cloudy	Moderate	7.1	Surface	0.1	338	19.8		8.1		31.7		99.5		7.5		5.9		0.018		
26-01-22	Mid-Flood	SR5A	Cloudy	Moderate	7.1	Surface	0.1	349	19.8		8.1		31.7		99.5		7.5		5.9		0.019		
26-01-22	Mid-Flood	SR5A	Cloudy	Moderate	7.1	Middle	0.1	314	19.6	19.6	8.1	8.1	31.8	31.7	97.5	98.4	7.4	7.5	7.4	6.9	0.013	0.012	
26-01-22	Mid-Flood	SR5A	Cloudy	Moderate	7.1	Middle	0.1	328	19.6		8.1		31.8		97.5		7.4		7.4		0.011		
26-01-22	Mid-Flood	SR5A	Cloudy	Moderate	7.1	Bottom	0.1	332	19.5		8.1		31.8		98.1		7.5		7.5		0.002		
26-01-22	Mid-Flood	SR5A	Cloudy	Moderate	7.1	Bottom	0.1	336	19.5		8.1		31.8		98.3		7.5		7.5		0.006		
26-01-22	Mid-Flood	SR7	Cloudy	Moderate	17.5	Surface	0.3	347	19.6		8.1		31.3		102.8		7.8		2.0		0.026		
26-01-22	Mid-Flood	SR7																					

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value
02-02-22	Mid-Ebb	CEA	Misty	Rough	4.2	Surface	0.0	221	16.9		8.1		31.3		94.1		7.6		2.7		0.013		
02-02-22	Mid-Ebb	CEA	Misty	Rough	4.2	Surface	0.1	217	16.9		8.1		31.3		94.1		7.6		2.9		0.018		
02-02-22	Mid-Ebb	CEA	Misty	Rough	4.2	Middle				16.9		8.2		31.3		94.1		7.6		3.0		0.012	
02-02-22	Mid-Ebb	CEA	Misty	Rough	4.2	Middle					8.2		31.4		94.0		7.5		3.2		0.007		
02-02-22	Mid-Ebb	CEA	Misty	Rough	4.2	Bottom	0.0	232	16.8		8.2		31.4		94.0		7.5	7.5	3.2		0.009		
02-02-22	Mid-Ebb	CEA	Misty	Rough	4.2	Bottom	0.0	230	16.8		8.2		31.4		94.0		7.5	7.5	3.2		0.009		
02-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Surface	0.2	186	16.9		8.2		31.2		93.4		7.5		1.7		0.005		
02-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Surface	0.2	186	16.9		8.2		31.2		93.4		7.5		1.6		0.006		
02-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Middle	0.2	161	16.8		8.2		31.3		93.5		7.5	7.5	2.2		0.015		
02-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Middle	0.2	159	16.7		8.2		31.3		93.6		7.5	7.5	2.2		0.016		
02-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Bottom	0.2	197	16.7		8.2		31.4		93.6		7.5	7.5	3.3		0.020		
02-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Bottom	0.2	190	16.7		8.2		31.4		93.6		7.5	7.5	3.0		0.021		
02-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Surface	0.1	240	16.9		8.2		31.2		92.9		7.5		1.0		0.012		
02-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Surface	0.1	236	16.9		8.2		31.2		92.9		7.5	7.5	1.0		0.014		
02-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Middle	0.1	223	16.9		8.2		31.2		93.1		7.5	7.5	2.8		0.015		
02-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Middle	0.1	221	16.9		8.2		31.2		93.1		7.5	7.5	2.8		0.015		
02-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Bottom	0.0	237	16.9		8.2		31.1		93.4		7.5	7.5	3.2		0.008		
02-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Bottom	0.0	238	16.9		8.2		31.1		93.4		7.5	7.5	3.2		0.009		
02-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Surface	0.3	141	16.7		8.2		31.0		97.5		8.0		1.3		0.011		
02-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Surface	0.3	146	16.7		8.2		31.1		97.8		8.0		1.3		0.014		
02-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Middle	0.3	137	16.7		8.2		31.1		98.6		7.9	8.0	2.3		0.012		
02-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Middle	0.2	137	16.7		8.2		31.1		99.2		8.0	8.0	2.4		0.008		
02-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Bottom	0.3	163	16.7		8.2		30.9		99.6		8.0	8.1	3.4		0.009		
02-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Bottom	0.3	161	16.9		8.2		29.2		99.6		8.1	8.1	3.5		0.013		
02-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Surface	0.3	168	16.7		8.2		31.2		94.0		7.5		1.1		0.005		
02-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Surface	0.2	161	16.7		8.2		31.2		94.2		7.6		1.1		0.006		
02-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Middle	0.3	157	16.9		8.2		31.2		94.5		7.6	7.6	2.0		0.007		
02-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Middle	0.3	155	16.9		8.2		31.2		94.7		7.6	7.6	1.9		0.005		
02-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Bottom	0.2	160	16.9		8.1		31.2		95.2		7.7	7.8	3.1		0.008		
02-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Bottom	0.2	162	16.4		8.1		31.1		95.4		7.9	7.9	3.0		0.009		
02-02-22	Mid-Ebb	SR14A	Misty	Rough	4.4	Surface	0.0	233	16.9		8.2		31.0		93.5		7.5		2.8		0.011		
02-02-22	Mid-Ebb	SR14A	Misty	Rough	4.4	Surface	0.1	240	16.9		8.2		31.1		93.5		7.5	7.5	2.8		0.012		
02-02-22	Mid-Ebb	SR14A	Misty	Rough	4.4	Middle				16.9		8.2		31.1		93.5		7.5	7.5	2.8		0.014	
02-02-22	Mid-Ebb	SR14A	Misty	Rough	4.4	Middle					8.2		31.3		93.6		7.5	7.5	3.0		0.015		
02-02-22	Mid-Ebb	SR14A	Misty	Rough	4.4	Bottom	0.1	209	16.9		8.2		31.1		93.6		7.5	7.5	3.1		0.016		
02-02-22	Mid-Ebb	SR14A	Misty	Rough	4.4	Bottom	0.0	205	16.9		8.2		31.1		93.6		7.5	7.5	3.1		0.016		
02-02-22	Mid-Flood	CEA	Misty	Rough	4.4	Surface	0.3	45	16.9		8.2		31.2		93.7		7.5		2.9		0.014		
02-02-22	Mid-Flood	CEA	Misty	Rough	4.4	Surface	0.3	45	16.9		8.2		31.3		93.7		7.5	7.5	3.0		0.015		
02-02-22	Mid-Flood	CEA	Misty	Rough	4.4	Middle				16.9		8.2		31.3		93.7		7.5	7.5	3.0		0.017	
02-02-22	Mid-Flood	CEA	Misty	Rough	4.4	Middle					8.2		31.4		94.0		7.5	7.5	3.6		0.018		
02-02-22	Mid-Flood	CEA	Misty	Rough	4.4	Bottom	0.3	54	16.9		8.2		31.4		94.1		7.6	7.6	3.6		0.019		
02-02-22	Mid-Flood	CF	Misty	Rough	15.2	Surface	0.3	342	16.7		8.2		31.3		92.8		7.5		3.1		0.004		
02-02-22	Mid-Flood	CF	Misty	Rough	15.2	Surface	0.3	344	16.7		8.2		31.3		92.8		7.5	7.5	3.0		0.005		
02-02-22	Mid-Flood	CF	Misty	Rough	15.2	Middle	0.3	341	16.7		8.2		31.5		93.7		7.5	7.5	4.6		0.016		
02-02-22	Mid-Flood	CF	Misty	Rough	15.2	Middle	0.3	342	16.7		8.2		31.5		93.7		7.5	7.5	4.6		0.015		
02-02-22	Mid-Flood	CF	Misty	Rough	15.2	Bottom	0.3	8	16.7		8.2		31.5		94.7		7.6	7.6	5.8		0.013		
02-02-22	Mid-Flood	CF	Misty	Rough	15.2	Bottom	0.4	8	16.7		8.2		31.5		94.9		7.6	7.6	5.8		0.014		
02-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Surface	0.1	42	16.3		8.2		30.3		93.7		7.6		1.0		0.017		
02-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Surface	0.1	46	16.3		8.2		30.4		93.8		7.6	7.6	1.1		0.018		
02-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Middle	0.2	36	16.5		8.2		30.7		94.0		7.6	7.6	1.9		0.011		
02-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Middle	0.1	34	16.5		8.2		30.7		94.2		7.6	7.6	1.9		0.013		
02-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Bottom	0.2	44	16.5		8.2		30.9		95.1		7.7	7.7	2.6		0.014		
02-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Bottom	0.1	42	16.4		8.2		30.9		95.4		7.7	7.7	2.6		0.016		
02-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Surface	0.2	345	16.7		8.2		32.0		91.1		7.3		4.2		0.012		
02-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Surface	0.3	341	16.7		8.2		32.0		91.2		7.3	7.3	4.2		0.014		
02-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Middle	0.3	353	16.7		8.2		32.1		91.6		7.3	7.3	5.2		0.013		
02-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Middle	0.3	357	16.7		8.2		32.1		91.6		7.3	7.3	5.2		0.015		
02-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Bottom	0.3	331	16.7		8.1		32.1		93.8		7.5	7.5	6.7		0.008		
02-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Bottom	0.3	330	16.7		8.1		32.1		93.9		7.5	7.5	6.8		0.009		
02-02-22	Mid-Flood	SR7	Misty	Rough	16.8	Surface	0.3	4	16.7		8.2		31.4		92.1		7.4		1.8		0.017		
02-02-22	Mid-Flood	SR7	Misty	Rough	16.8	Surface	0.2	0	16.7		8.2		31.4		92.0		7.4	7.4	1.9		0.018		
02-02-22	Mid-Flood	SR7	Misty	Rough	16.8	Middle	0.3	348	16.7		8.2	</											

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH Value	pH Depth-averaged	Salinity ppt Value	Salinity ppt Depth-averaged	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC Value	TRC Value
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
09-02-22	Mid-Ebb	CEA	Misty	Rough	4.2	Surface	0.2	217	16.6		8.2		31.2		97.4		7.9		1.0		0.012	
09-02-22	Mid-Ebb	CEA	Misty	Rough	4.2	Surface	0.2	216	16.6		8.2		31.3		97.5		7.9		1.1		0.011	
09-02-22	Mid-Ebb	CEA	Misty	Rough		Middle				16.6	8.2	8.2		31.5		97.5		7.9		1.4		0.013
09-02-22	Mid-Ebb	CEA	Misty	Rough		Middle					8.2											
09-02-22	Mid-Ebb	CEA	Misty	Rough	4.2	Bottom	0.2	241	16.6		8.2		31.8		97.6		7.9		1.8		0.014	
09-02-22	Mid-Ebb	CEA	Misty	Rough	4.2	Bottom	0.2	238	16.6		8.2		31.7		97.6		7.9		1.8		0.015	
09-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Surface	0.5	175	16.3		8.2		28.2		97.1		8.0		1.1		0.018	
09-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Surface	0.5	168	16.3		8.2		28.1		96.9		8.0		1.1		0.016	
09-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Middle	0.5	173	16.3	16.4	8.2	8.2	28.8	29.0	96.5	96.6	8.0	8.0	1.2	1.6	0.003	0.010
09-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Middle	0.5	172	16.4		8.2		28.9		96.5		8.0		1.2		0.004	
09-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Bottom	0.6	160	16.4		8.2		30.4		96.2		7.9		2.4		0.010	
09-02-22	Mid-Ebb	CF	Misty	Rough	15.0	Bottom	0.6	154	16.4		8.2		29.9		96.2		7.8		2.4		0.011	
09-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Surface	0.1	242	16.4		8.2		29.2		97.8		8.0		1.0		0.004	
09-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Surface	0.1	245	16.4		8.2		29.2		97.8		8.0		1.0		0.005	
09-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Middle	0.1	210	16.4	16.4	8.2	8.2	30.1	30.2	98.3	98.2	8.0	8.0	1.4	1.5	0.007	0.008
09-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Middle	0.1	205	16.4		8.2		30.1		98.4		8.0		1.5		0.008	
09-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Bottom	0.1	211	16.4		8.2		31.4		98.5		8.0		2.0		0.010	
09-02-22	Mid-Ebb	SR3A	Misty	Rough	7.0	Bottom	0.1	205	16.3		8.2		31.1		98.4		8.1		1.9		0.011	
09-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Surface	0.2	134	16.6		8.2		28.4		95.8		7.9		1.1		0.017	
09-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Surface	0.2	133	16.6		8.2		28.4		96.0		7.9		1.1		0.018	
09-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Middle	0.2	163	16.5	16.4	8.2	8.2	32.1	30.8	97.2	97.4	7.8	7.9	1.2	1.6	0.012	0.014
09-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Middle	0.2	159	16.4		8.2		32.1		97.6		7.9		1.2		0.013	
09-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Bottom	0.2	143	16.3		8.2		32.1		98.4		8.0		2.6		0.010	
09-02-22	Mid-Ebb	SR5A	Misty	Rough	7.6	Bottom	0.3	140	16.2		8.2		32.1		99.1		8.0		2.5		0.011	
09-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Surface	0.4	185	16.5	16.6	8.2	8.2	28.6	30.8	96.0	96.1	7.9	7.8	1.1	1.5	0.011	0.008
09-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Surface	0.4	188	16.5		8.2		28.6		96.0		7.9		1.1		0.012	
09-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Middle	0.4	171	16.6		8.2		31.6		96.1		7.7		1.2		0.009	
09-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Middle	0.4	171	16.6		8.2		31.9		96.1		7.7		1.2		0.010	
09-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Bottom	0.3	164	16.6		8.2		32.1		96.2		7.7		2.3		0.004	
09-02-22	Mid-Ebb	SR7	Misty	Rough	16.4	Bottom	0.3	164	16.6		8.2		32.0		96.1		7.7		2.3		0.003	
09-02-22	Mid-Ebb	SR14A	Misty	Rough	4.4	Surface	0.2	213	16.1	16.0	8.2	8.1	28.7	29.7	98.4	99.6	8.1	8.2	1.1	1.5	0.008	0.008
09-02-22	Mid-Ebb	SR14A	Misty	Rough	4.4	Surface	0.2	216	16.1		8.2		28.7		98.6		8.2		1.1		0.009	
09-02-22	Mid-Ebb	SR14A	Misty	Rough		Middle					8.1	8.1										
09-02-22	Mid-Ebb	SR14A	Misty	Rough		Middle					8.1	8.1										
09-02-22	Mid-Ebb	SR14A	Misty	Rough	4.4	Bottom	0.2	218	16.0		8.1	8.1	31.3		100.4		8.2	8.3	1.9		0.007	
09-02-22	Mid-Ebb	SR14A	Misty	Rough	4.4	Bottom	0.1	215	15.9		8.1	8.1	30.1		101.0		8.3		1.8		0.008	
09-02-22	Mid-Flood	CEA	Misty	Rough	4.4	Surface	0.2	39	16.7	16.6	8.2	8.2	29.0	30.6	95.0	96.3	7.8	7.8	2.5	2.8	0.008	0.006
09-02-22	Mid-Flood	CEA	Misty	Rough	4.4	Surface	0.2	32	16.7		8.2		29.0		95.3		7.8		2.6		0.009	
09-02-22	Mid-Flood	CEA	Misty	Rough		Middle					8.2	8.2										
09-02-22	Mid-Flood	CEA	Misty	Rough		Middle					8.2	8.2										
09-02-22	Mid-Flood	CEA	Misty	Rough	4.4	Bottom	0.2	24	16.5		8.2	8.2	32.2		97.2		7.8	7.8	3.0		0.002	
09-02-22	Mid-Flood	CEA	Misty	Rough	4.4	Bottom	0.2	22	16.5		8.2	8.2	32.2		97.8		7.9	7.8	3.0		0.003	
09-02-22	Mid-Flood	CF	Misty	Rough	15.2	Surface	0.1	305	16.6	16.7	8.2	8.2	32.0	32.2	93.4	93.2	7.5	7.4	1.0	2.0	0.001	0.006
09-02-22	Mid-Flood	CF	Misty	Rough	15.2	Surface	0.1	310	16.6		8.2	8.2	32.0		93.1		7.5	7.4	1.1		0.002	
09-02-22	Mid-Flood	CF	Misty	Rough	15.2	Middle	0.1	318	16.8		8.2	8.2	32.3		92.5		7.4	7.4	2.1		0.010	
09-02-22	Mid-Flood	CF	Misty	Rough	15.2	Middle	0.0	310	16.8		8.2	8.2	32.3		92.6		7.4	7.4	2.1		0.011	
09-02-22	Mid-Flood	CF	Misty	Rough	15.2	Bottom	0.1	322	16.8		8.2	8.2	32.3		93.7		7.5	7.5	2.9		0.005	
09-02-22	Mid-Flood	CF	Misty	Rough	15.2	Bottom	0.1	321	16.8		8.2	8.2	32.3		93.9		7.5	7.5	2.9		0.006	
09-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Surface	0.1	43	17.0	17.0	8.2	8.2	31.6	31.7	96.0	98.7	7.7	7.8	1.1	1.8	0.010	0.009
09-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Surface	0.1	37	17.0		8.2	8.2	31.6		95.5		7.6	7.8	1.2		0.011	
09-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Middle	0.1	70	17.0	17.0	8.2	8.2	31.7		99.2		7.9	7.8	1.7		0.010	
09-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Middle	0.0	63	17.0		8.2	8.2	31.8		99.5		7.9	7.8	1.7		0.009	
09-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Bottom	0.1	55	17.0		8.2	8.2	31.8		100.6		8.0	8.1	2.5		0.007	
09-02-22	Mid-Flood	SR3A	Misty	Rough	7.0	Bottom	0.1	52	17.0		8.2	8.2	31.8		101.3		8.1	8.1	2.6		0.008	
09-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Surface	0.2	344	16.9	16.9	8.2	8.2	32.2	32.1	94.1	94.2	7.5	7.5	1.0	1.3	0.014	0.010
09-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Surface	0.2	337	16.9		8.2	8.2	32.2		94.1		7.5	7.5	1.1		0.015	
09-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Middle	0.1	343	16.9	16.9	8.2	8.2	32.2		94.1		7.5	7.5	1.4		0.007	
09-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Middle	0.1	349	16.9		8.2	8.2	32.2		94.1		7.5	7.5	1.5		0.007	
09-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Bottom	0.2	326	16.9		8.2	8.2	32.1		94.4		7.5	7.5	1.6		0.008	
09-02-22	Mid-Flood	SR5A	Misty	Rough	7.6	Bottom	0.2	322	16.9		8.2	8.2	32.1		94.5		7.5	7.5	1.6		0.010	
09-02-22	Mid-Flood	SR7	Misty	Rough	14.2	Surface	0.2	327	16.7	16.8	8.2	8.2	32.2	32.2	92.3	93.0	7.4	7.4	1			

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
18-02-22	Mid-Ebb	CEA	Sunny	Moderate	4.7	Surface	0.2	230	18.2		8.3		29.9		97.8		7.7		1.2		0.015	
18-02-22	Mid-Ebb	CEA	Sunny	Moderate	4.7	Surface	0.2	232	18.2		8.3		29.9		97.8		7.7		1.2		0.013	
18-02-22	Mid-Ebb	CEA	Sunny	Moderate	4.7	Middle				18.2	8.3			29.9		97.8		7.7		1.6		0.011
18-02-22	Mid-Ebb	CEA	Sunny	Moderate	4.7	Middle					8.3											
18-02-22	Mid-Ebb	CEA	Sunny	Moderate	4.7	Bottom	0.3	240	18.2		8.3		29.9		97.7		7.7		2.1		0.009	
18-02-22	Mid-Ebb	CEA	Sunny	Moderate	4.7	Bottom	0.2	244	18.2		8.3		29.9		97.7		7.7		2.1		0.008	
18-02-22	Mid-Ebb	CF	Sunny	Rough	18.8	Surface	0.5	163	18.4		8.3		31.3		97.8		7.6		1.1		0.016	
18-02-22	Mid-Ebb	CF	Sunny	Rough	18.8	Surface	0.6	168	18.4		8.3		31.3		97.8		7.6		1.1		0.015	
18-02-22	Mid-Ebb	CF	Sunny	Rough	18.8	Middle	0.5	171	18.2	18.3	8.3		31.3	31.3	96.6	97.0	7.6	7.6	1.7	1.4	0.010	0.009
18-02-22	Mid-Ebb	CF	Sunny	Rough	18.8	Middle	0.5	174	18.2		8.3		31.3		96.6		7.6		1.7		0.008	
18-02-22	Mid-Ebb	CF	Sunny	Rough	18.8	Bottom	0.5	183	18.2		8.3		31.3		96.6		7.6	7.6	1.6		0.003	
18-02-22	Mid-Ebb	CF	Sunny	Rough	18.8	Bottom	0.5	186	18.2		8.3		31.3		96.6		7.6	7.6	1.6		0.002	
18-02-22	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Surface	0.1	209	18.6		8.3		30.0		99.2		7.8		1.1		0.018	
18-02-22	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Surface	0.1	209	18.6		8.3		30.0		99.2		7.8		1.1		0.017	
18-02-22	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Middle	0.0	213	18.3	18.4	8.3		30.2	30.2	97.4	97.9	7.7	7.7	4.0	3.0	0.009	0.010
18-02-22	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Middle	0.0	214	18.3		8.3		30.2		97.4		7.7		4.0		0.008	
18-02-22	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Bottom	0.1	191	18.3		8.3		30.3		97.1		7.6	7.6	3.8		0.004	
18-02-22	Mid-Ebb	SR3A	Sunny	Moderate	8.2	Bottom	0.1	184	18.3		8.3		30.3		97.1		7.6	7.6	3.7		0.002	
18-02-22	Mid-Ebb	SR5A	Sunny	Rough	7.9	Surface	0.2	144	18.4		8.3		30.6		97.8		7.7		1.4		0.013	
18-02-22	Mid-Ebb	SR5A	Sunny	Rough	7.9	Surface	0.1	139	18.4		8.3		30.7		97.8		7.7		1.4		0.011	
18-02-22	Mid-Ebb	SR5A	Sunny	Rough	7.9	Middle	0.2	152	18.3	18.3	8.3		30.6	30.7	97.6	97.7	7.7	7.7	1.7	1.6	0.008	0.007
18-02-22	Mid-Ebb	SR5A	Sunny	Rough	7.9	Middle	0.3	158	18.3		8.3		30.7		97.6		7.7		1.6		0.007	
18-02-22	Mid-Ebb	SR5A	Sunny	Rough	7.9	Bottom	0.2	152	18.3		8.3		30.7		97.7		7.7		1.7		0.003	
18-02-22	Mid-Ebb	SR5A	Sunny	Rough	7.9	Bottom	0.2	153	18.3		8.3		30.7		97.7		7.7	7.7	1.7	1.6	0.002	0.007
18-02-22	Mid-Ebb	SR7	Sunny	Rough	13.6	Surface	0.3	190	18.3		8.3		30.5		98.4		7.7		1.9		0.018	
18-02-22	Mid-Ebb	SR7	Sunny	Rough	13.6	Surface	0.3	190	18.3		8.3		30.5		98.4		7.7		1.9		0.016	
18-02-22	Mid-Ebb	SR7	Sunny	Rough	13.6	Middle	0.3	173	18.3	18.3	8.3		30.9	30.8	97.5	97.7	7.6	7.7	2.9	3.0	0.012	0.011
18-02-22	Mid-Ebb	SR7	Sunny	Rough	13.6	Middle	0.3	178	18.3		8.3		30.9		97.5		7.6		2.9		0.011	
18-02-22	Mid-Ebb	SR7	Sunny	Rough	13.6	Bottom	0.3	179	18.3		8.3		30.9		97.1		7.6	7.6	4.1		0.006	
18-02-22	Mid-Ebb	SR7	Sunny	Rough	13.6	Bottom	0.2	183	18.3		8.3		30.9		97.1		7.6	7.6	4.2		0.005	
18-02-22	Mid-Ebb	SR14A	Sunny	Moderate	4.9	Surface	0.3	214	18.3		8.2		30.0		97.9		7.7		1.3		0.014	
18-02-22	Mid-Ebb	SR14A	Sunny	Moderate	4.9	Surface	0.3	211	18.3		8.2		30.0		97.9		7.7		1.3		0.011	
18-02-22	Mid-Ebb	SR14A	Sunny	Moderate	4.9	Middle				18.3	8.2			30.0		97.8		7.7		1.4		0.008
18-02-22	Mid-Ebb	SR14A	Sunny	Moderate	4.9	Middle					8.2											
18-02-22	Mid-Ebb	SR14A	Sunny	Moderate	4.9	Bottom	0.2	204	18.3		8.2		30.1		97.6		7.7	7.7	1.5		0.004	
18-02-22	Mid-Ebb	SR14A	Sunny	Moderate	4.9	Bottom	0.2	202	18.3		8.2		30.1		97.6		7.7	7.7	1.5		0.002	
18-02-22	Mid-Flood	CEA	Cloudy	Moderate	3.7	Surface	0.3	55	18.4		8.3		29.9		99.2		7.8		2.2		0.011	
18-02-22	Mid-Flood	CEA	Cloudy	Moderate	3.7	Surface	0.3	58	18.4		8.3		29.9		99.2		7.8		2.1		0.009	
18-02-22	Mid-Flood	CEA	Cloudy	Moderate	3.7	Middle				18.4	8.3			29.9		99.2		7.8		2.0		0.006
18-02-22	Mid-Flood	CEA	Cloudy	Moderate	3.7	Middle					8.3											
18-02-22	Mid-Flood	CEA	Cloudy	Moderate	3.7	Bottom	0.3	38	18.4		8.3		29.9		99.2		7.8	7.8	1.9		0.003	
18-02-22	Mid-Flood	CEA	Cloudy	Moderate	3.7	Bottom	0.3	34	18.4		8.3		29.9		99.3		7.8	7.8	1.8		0.002	
18-02-22	Mid-Flood	CF	Cloudy	Rough	13.5	Surface	0.4	6	18.2		8.3		30.5		96.4		7.6		3.2		0.016	
18-02-22	Mid-Flood	CF	Cloudy	Rough	13.5	Surface	0.4	0	18.2		8.3		30.5		96.4		7.6		3.2		0.015	
18-02-22	Mid-Flood	CF	Cloudy	Rough	13.5	Middle	0.3	9	18.2	18.2	8.2		30.5	30.5	96.2	96.3	7.6	7.6	2.8	3.2	0.010	0.009
18-02-22	Mid-Flood	CF	Cloudy	Rough	13.5	Middle	0.3	12	18.2		8.2		30.5		96.3		7.6		2.8		0.008	
18-02-22	Mid-Flood	CF	Cloudy	Rough	13.5	Bottom	0.4	358	18.2		8.2		30.5		96.2		7.6	7.6	3.5		0.004	
18-02-22	Mid-Flood	CF	Cloudy	Rough	13.5	Bottom	0.4	3	18.2		8.2		30.5		96.2		7.6	7.6	3.6		0.003	
18-02-22	Mid-Flood	SR3A	Cloudy	Rough	7.1	Surface	0.2	46	18.8		8.3		29.9		100.4		7.8		1.9		0.018	
18-02-22	Mid-Flood	SR3A	Cloudy	Rough	7.1	Surface	0.1	44	18.8		8.3		29.9		100.5		7.8		1.9		0.017	
18-02-22	Mid-Flood	SR3A	Cloudy	Rough	7.1	Middle	0.1	62	18.8	18.8	8.3		30.0	30.0	100.5	100.5	7.8	7.8	3.0	3.1	0.014	0.012
18-02-22	Mid-Flood	SR3A	Cloudy	Rough	7.1	Middle	0.1	64	18.8		8.3		30.0		100.5		7.8		3.0		0.013	
18-02-22	Mid-Flood	SR3A	Cloudy	Rough	7.1	Bottom	0.1	29	18.8		8.2		30.0		100.6		7.8	7.8	4.5		0.007	
18-02-22	Mid-Flood	SR3A	Cloudy	Rough	7.1	Bottom	0.1	22	18.8		8.2		30.0		100.6		7.8	7.8	4.6		0.005	
18-02-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Surface	0.2	330	18.2		8.2		29.7		97.4		7.7		1.3		0.015	
18-02-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Surface	0.2	334	18.2		8.2		29.7		97.4		7.7		1.3		0.014	
18-02-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Middle	0.2	334	18.2	18.2	8.2		30.1	30.0	96.6	96.9	7.6	7.6	2.7	3.7	0.011	0.010
18-02-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Middle	0.2	336	18.2		8.2		30.1		96.6		7.6		2.7		0.010	
18-02-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Bottom	0.2	351	18.2		8.2		30.2		96.6		7.6	7.6	7.3		0.005	
18-02-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Bottom	0.2	346	18.2		8.2		30.2		96.7		7.6	7.6	7.2		0.004	
18-02-22	Mid-Flood	SR7	Cloudy	Rough	15.7	Surface	0.3	352	18.2		8.3		29.8		97.1		7.7		1.8		0.019	
18-02-22																						

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH	pH	Salinity ppt		DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)		Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged			Value	Depth-averaged			Value	Depth-averaged					Value
23-02-22	Mid-Ebb	CEA	Fine	Moderate	4.6	Surface	0.2	212	15.4		8.2		31.7		92.3		7.7		2.4		0.016		
23-02-22	Mid-Ebb	CEA	Fine	Moderate	4.6	Surface	0.2	205	15.4		8.2		31.7		92.3		7.7		2.4		0.015		
23-02-22	Mid-Ebb	CEA	Fine	Moderate	4.6	Middle				15.4		8.2		31.7		92.2		7.6		3.2		0.010	
23-02-22	Mid-Ebb	CEA	Fine	Moderate	4.6	Middle					8.2		31.7		92.1		7.6		3.9		0.006		
23-02-22	Mid-Ebb	CEA	Fine	Moderate	4.6	Bottom	0.2	234	15.4		8.2		31.7		92.1		7.6		3.9		0.004		
23-02-22	Mid-Ebb	CF	Fine	Moderate	13.9	Surface	0.6	161	15.4		8.2		31.7		92.4		7.6		1.9		0.018		
23-02-22	Mid-Ebb	CF	Fine	Moderate	13.9	Surface	0.7	162	15.4		8.2		31.7		92.4		7.6		2.0		0.017		
23-02-22	Mid-Ebb	CF	Fine	Moderate	13.9	Middle	0.6	173	15.4		8.2		31.7		92.2		7.6		2.0		0.012		
23-02-22	Mid-Ebb	CF	Fine	Moderate	13.9	Middle	0.6	178	15.4		8.2		31.7		92.2		7.6		2.0		0.011		
23-02-22	Mid-Ebb	CF	Fine	Moderate	13.9	Bottom	0.6	166	15.4		8.2		31.7		92.2		7.6		1.9		0.006		
23-02-22	Mid-Ebb	CF	Fine	Moderate	13.9	Bottom	0.6	170	15.4		8.2		31.7		92.2		7.6		1.9		0.005		
23-02-22	Mid-Ebb	SR3A	Fine	Moderate	7.8	Surface	0.1	214	15.4		8.2		31.7		92.7		7.7		4.6		0.016		
23-02-22	Mid-Ebb	SR3A	Fine	Moderate	7.8	Surface	0.1	207	15.4		8.2		31.7		92.7		7.7		4.6		0.015		
23-02-22	Mid-Ebb	SR3A	Fine	Moderate	7.8	Middle	0.1	242	15.4		8.2		31.7		92.5		7.7		8.6		0.008		
23-02-22	Mid-Ebb	SR3A	Fine	Moderate	7.8	Middle	0.1	247	15.4		8.2		31.7		92.5		7.7		8.6		0.007		
23-02-22	Mid-Ebb	SR3A	Fine	Moderate	7.8	Bottom	0.2	223	15.4		8.2		31.7		92.5		7.7		9.9		0.003		
23-02-22	Mid-Ebb	SR3A	Fine	Moderate	7.8	Bottom	0.1	226	15.4		8.2		31.7		92.6		7.7		9.9		0.002		
23-02-22	Mid-Ebb	SR5A	Fine	Moderate	6.8	Surface	0.2	154	15.4		8.2		31.7		92.8		7.7		5.7		0.014		
23-02-22	Mid-Ebb	SR5A	Fine	Moderate	6.8	Surface	0.3	152	15.4		8.2		31.7		92.8		7.7		5.8		0.013		
23-02-22	Mid-Ebb	SR5A	Fine	Moderate	6.8	Middle	0.2	159	15.4		8.2		31.7		92.4		7.6		4.7		0.009		
23-02-22	Mid-Ebb	SR5A	Fine	Moderate	6.8	Middle	0.2	161	15.4		8.2		31.7		92.4		7.6		4.7		0.008		
23-02-22	Mid-Ebb	SR5A	Fine	Moderate	6.8	Bottom	0.2	164	15.4		8.2		31.7		92.3		7.6		6.8		0.003		
23-02-22	Mid-Ebb	SR5A	Fine	Moderate	6.8	Bottom	0.2	157	15.4		8.2		31.7		92.3		7.6		6.9		0.002		
23-02-22	Mid-Ebb	SR7	Fine	Moderate	16.5	Surface	0.3	188	15.4		8.2		31.7		92.7		7.7		2.4		0.018		
23-02-22	Mid-Ebb	SR7	Fine	Moderate	16.5	Surface	0.3	188	15.4		8.2		31.7		92.7		7.7		2.4		0.017		
23-02-22	Mid-Ebb	SR7	Fine	Moderate	16.5	Middle	0.3	169	15.4		8.2		31.7		92.5		7.6		4.3		0.013		
23-02-22	Mid-Ebb	SR7	Fine	Moderate	16.5	Middle	0.3	163	15.4		8.2		31.7		92.5		7.6		4.3		0.011		
23-02-22	Mid-Ebb	SR7	Fine	Moderate	16.5	Bottom	0.4	187	15.4		8.2		31.7		92.4		7.6		5.3		0.005		
23-02-22	Mid-Ebb	SR7	Fine	Moderate	16.5	Bottom	0.3	182	15.4		8.2		31.7		92.4		7.6		5.3		0.004		
23-02-22	Mid-Ebb	SR14A	Fine	Moderate	4.2	Surface	0.3	217	15.4		8.2		31.7		92.5		7.7		2.5		0.009		
23-02-22	Mid-Ebb	SR14A	Fine	Moderate	4.2	Surface	0.3	211	15.4		8.2		31.7		92.5		7.7		2.6		0.008		
23-02-22	Mid-Ebb	SR14A	Fine	Moderate	4.2	Middle				15.4		8.2		31.7		92.5		7.6		4.7		0.002	
23-02-22	Mid-Ebb	SR14A	Fine	Moderate	4.2	Middle					8.2		31.7		92.4		7.6		4.7		0.001		
23-02-22	Mid-Ebb	SR14A	Fine	Moderate	4.2	Bottom	0.3	219	15.4		8.2		31.7		92.4		7.6		4.7		0.002		
23-02-22	Mid-Ebb	SR14A	Fine	Moderate	4.2	Bottom	0.4	218	15.4		8.2		31.7		92.4		7.6		4.7		0.001		
23-02-22	Mid-Flood	CEA	Cloudy	Moderate	5.2	Surface	0.2	47	15.4		8.2		31.7		92.5		7.6		3.7		0.015		
23-02-22	Mid-Flood	CEA	Cloudy	Moderate	5.2	Surface	0.2	50	15.4		8.2		31.7		92.5		7.6		3.8		0.014		
23-02-22	Mid-Flood	CEA	Cloudy	Moderate	5.2	Middle				15.4		8.2		31.7		92.4		7.6		5.3		0.006	
23-02-22	Mid-Flood	CEA	Cloudy	Moderate	5.2	Middle					8.2		31.7		92.2		7.6		5.3		0.005		
23-02-22	Mid-Flood	CEA	Cloudy	Moderate	5.2	Bottom	0.3	68	15.4		8.2		31.7		92.2		7.6		5.3		0.006		
23-02-22	Mid-Flood	CEA	Cloudy	Moderate	5.2	Bottom	0.3	73	15.4		8.2		31.7		92.2		7.6		5.3		0.005		
23-02-22	Mid-Flood	CF	Cloudy	Rough	13.6	Surface	0.3	1	15.5		8.2		31.4		93.4		7.7		1.3		0.019		
23-02-22	Mid-Flood	CF	Cloudy	Rough	13.6	Surface	0.3	3	15.5		8.2		31.4		93.4		7.7		1.4		0.018		
23-02-22	Mid-Flood	CF	Cloudy	Rough	13.6	Middle	0.3	3	15.3		8.3		31.3		93.8		7.8		2.3		0.015		
23-02-22	Mid-Flood	CF	Cloudy	Rough	13.6	Middle	0.2	355	15.3		8.3		31.3		93.8		7.8		2.3		0.014		
23-02-22	Mid-Flood	CF	Cloudy	Rough	13.6	Bottom	0.3	336	15.4		8.1		31.8		92.7		7.6		1.3		0.008		
23-02-22	Mid-Flood	CF	Cloudy	Rough	13.6	Bottom	0.2	336	15.4		8.1		31.8		92.8		7.6		1.4		0.006		
23-02-22	Mid-Flood	SR3A	Cloudy	Moderate	8.4	Surface	0.1	55	15.4		8.2		31.7		92.5		7.6		2.2		0.015		
23-02-22	Mid-Flood	SR3A	Cloudy	Moderate	8.4	Surface	0.2	50	15.4		8.2		31.7		92.5		7.6		2.1		0.014		
23-02-22	Mid-Flood	SR3A	Cloudy	Moderate	8.4	Middle	0.2	75	15.4		8.2		31.7		92.4		7.6		2.9		0.006		
23-02-22	Mid-Flood	SR3A	Cloudy	Moderate	8.4	Middle	0.2	76	15.4		8.2		31.7		92.4		7.6		2.9		0.005		
23-02-22	Mid-Flood	SR3A	Cloudy	Moderate	8.4	Bottom	0.1	45	15.4		8.2		31.7		92.3		7.6		4.6		0.002		
23-02-22	Mid-Flood	SR3A	Cloudy	Moderate	8.4	Bottom	0.2	46	15.4		8.2		31.7		92.3		7.6		4.7		0.001		
23-02-22	Mid-Flood	SR5A	Cloudy	Moderate	7.3	Surface	0.3	331	15.4		8.2		31.7		92.6		7.6		2.3		0.017		
23-02-22	Mid-Flood	SR5A	Cloudy	Moderate	7.3	Surface	0.3	323	15.4		8.2		31.7		92.6		7.6		2.4		0.015		
23-02-22	Mid-Flood	SR5A	Cloudy	Moderate	7.3	Middle	0.2	316	15.4		8.2		31.7		92.5		7.6		3.6		0.010		
23-02-22	Mid-Flood	SR5A	Cloudy	Moderate	7.3	Middle	0.2	318	15.4		8.2		31.7		92.5		7.6		3.6		0.008		
23-02-22	Mid-Flood	SR5A	Cloudy	Moderate	7.3	Bottom	0.3	345	15.4		8.2		31.7		92.4		7.6		6.5		0.004		
23-02-22	Mid-Flood	SR5A	Cloudy	Moderate	7.3	Bottom	0.3	341	15.4		8.2		31.7		92.4		7.6		6.6		0.002		
23-02-22	Mid-Flood	SR7	Cloudy	Rough	17.6	Surface	0.3	351	15.4		8.2		31.7		92.7		7.6		1.2		0.018		
23-02-22	Mid-Flood	SR7	Cloudy	Rough	17.6	Surface	0.2	347	15.4		8.2		31.7		92.7		7.6		1.2		0.016		
23-02-22	Mid-Flood	SR7	Cloudy	Rough	17.6	Middle	0.3	337	15.4		8.2		31.7		92.8		7.6		2.4		0.009		
23-02-22	Mid-Flood	SR7	Cloudy	Rough	17.6	Middle	0.3	341															

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH	pH	Salinity ppt		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)	Turbidity (NTU) Depth-averaged	TRC (mg/L)	TRC (mg/L) Depth-averaged	
									Value	Depth-averaged			Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value		Depth-averaged		Value
02-03-22	Mid-Ebb	CEA	Misty	Rough	4.5	Surface	0.2	219	15.7		8.1		31.8		90.7		7.4		2.2		0.013		
02-03-22	Mid-Ebb	CEA	Misty	Rough	4.5	Surface	0.2	213	16.0		8.2		31.6		91.7		7.5		2.3		0.011		
02-03-22	Mid-Ebb	CEA	Misty	Rough	4.5	Middle						8.1		31.8		90.7		7.5		2.9		0.009	
02-03-22	Mid-Ebb	CEA	Misty	Rough	4.5	Middle							31.7		90.0		7.3		3.6		0.006		
02-03-22	Mid-Ebb	CEA	Misty	Rough	4.5	Bottom	0.2	213	16.0		8.1		31.9		90.4		7.4		3.5		0.004		
02-03-22	Mid-Ebb	CF	Misty	Rough	13.7	Surface	0.4	167	15.8		8.1		31.6		92.5		7.6		2.0		0.017		
02-03-22	Mid-Ebb	CF	Misty	Rough	13.7	Surface	0.5	159	16.1		8.2		31.7		91.2		7.4		1.8		0.016		
02-03-22	Mid-Ebb	CF	Misty	Rough	13.7	Middle	0.5	160	16.0		8.1		31.8		91.4		7.4		2.3		0.010		
02-03-22	Mid-Ebb	CF	Misty	Rough	13.7	Middle	0.5	165	16.1		8.2		31.8		90.4		7.3		2.2		0.008		
02-03-22	Mid-Ebb	CF	Misty	Rough	13.7	Bottom	0.5	173	15.9		8.3		31.6		94.7		7.7		1.2		0.003		
02-03-22	Mid-Ebb	CF	Misty	Rough	13.7	Bottom	0.5	167	15.7		8.3		31.6		89.9		7.4		1.3		0.002		
02-03-22	Mid-Ebb	SR3A	Misty	Rough	7.9	Surface	0.1	224	15.9		8.2		31.8		94.8		7.7		4.0		0.015		
02-03-22	Mid-Ebb	SR3A	Misty	Rough	7.9	Surface	0.1	228	15.9		8.2		31.8		94.8		7.7		4.0		0.014		
02-03-22	Mid-Ebb	SR3A	Misty	Rough	7.9	Middle	0.1	234	16.0		8.1		31.6		95.0		7.7		8.1		0.010		
02-03-22	Mid-Ebb	SR3A	Misty	Rough	7.9	Middle	0.1	228	15.9		8.1		31.6		90.1		7.4		8.2		0.008		
02-03-22	Mid-Ebb	SR3A	Misty	Rough	7.9	Bottom	0.1	214	16.1		8.3		31.7		93.8		7.6		9.4		0.004		
02-03-22	Mid-Ebb	SR3A	Misty	Rough	7.9	Bottom	0.1	217	15.9		8.2		31.7		93.2		7.6		9.2		0.002		
02-03-22	Mid-Ebb	SR5A	Misty	Rough	6.7	Surface	0.3	158	16.0		8.2		31.7		93.3		7.6		6.5		0.019		
02-03-22	Mid-Ebb	SR5A	Misty	Rough	6.7	Surface	0.2	155	16.0		8.2		31.8		91.2		7.4		6.3		0.018		
02-03-22	Mid-Ebb	SR5A	Misty	Rough	6.7	Middle	0.3	155	16.0		8.2		31.6		94.6		7.7		4.0		0.010		
02-03-22	Mid-Ebb	SR5A	Misty	Rough	6.7	Middle	0.3	152	16.0		8.2		31.6		91.6		7.5		4.4		0.008		
02-03-22	Mid-Ebb	SR5A	Misty	Rough	6.7	Bottom	0.3	169	15.8		8.3		31.7		94.5		7.7		5.6		0.005		
02-03-22	Mid-Ebb	SR5A	Misty	Rough	6.7	Bottom	0.3	162	16.0		8.4		31.9		93.2		7.6		5.9		0.002		
02-03-22	Mid-Ebb	SR7	Misty	Rough	16.1	Surface	0.4	188	15.8		8.3		31.7		91.5		7.5		2.1		0.017		
02-03-22	Mid-Ebb	SR7	Misty	Rough	16.1	Surface	0.4	183	15.6		8.3		31.7		91.7		7.5		2.0		0.014		
02-03-22	Mid-Ebb	SR7	Misty	Rough	16.1	Middle	0.4	186	15.9		8.2		31.8		90.8		7.4		3.5		0.009		
02-03-22	Mid-Ebb	SR7	Misty	Rough	16.1	Middle	0.4	186	15.9		8.2		31.8		91.9		7.5		3.3		0.007		
02-03-22	Mid-Ebb	SR7	Misty	Rough	16.1	Bottom	0.4	193	16.1		8.3		31.7		92.0		7.5		4.7		0.004		
02-03-22	Mid-Ebb	SR7	Misty	Rough	16.1	Bottom	0.4	189	16.1		8.2		31.6		91.7		7.5		4.9		0.003		
02-03-22	Mid-Ebb	SR14A	Misty	Rough	4.2	Surface	0.2	228	15.9		8.3		31.8		91.8		7.5		2.7		0.015		
02-03-22	Mid-Ebb	SR14A	Misty	Rough	4.2	Surface	0.2	223	15.8		8.3		31.6		94.5		7.7		2.5		0.014		
02-03-22	Mid-Ebb	SR14A	Misty	Rough	4.2	Middle						8.3		31.7		92.4		7.6		3.6		0.010	
02-03-22	Mid-Ebb	SR14A	Misty	Rough	4.2	Middle							31.7		91.9		7.5		3.5		0.009		
02-03-22	Mid-Ebb	SR14A	Misty	Rough	4.2	Bottom	0.2	221	15.9		8.3		31.8		91.9		7.5		4.5		0.007		
02-03-22	Mid-Ebb	SR14A	Misty	Rough	4.2	Bottom	0.2	224	15.9		8.2		31.7		91.4		7.5		4.6		0.005		
02-03-22	Mid-Flood	CEA	Misty	Rough	5.2	Surface	0.3	35	15.7		8.3		31.7		90.3		7.4		2.8		0.012		
02-03-22	Mid-Flood	CEA	Misty	Rough	5.2	Surface	0.3	39	16.0		8.3		31.7		90.0		7.3		2.8		0.011		
02-03-22	Mid-Flood	CEA	Misty	Rough	5.2	Middle						8.2		31.8		91.5		7.4		4.0		0.009	
02-03-22	Mid-Flood	CEA	Misty	Rough	5.2	Middle							31.8		93.5		7.6		5.6		0.008		
02-03-22	Mid-Flood	CEA	Misty	Rough	5.2	Bottom	0.3	48	16.0		8.1		31.8		92.1		7.5		4.8		0.005		
02-03-22	Mid-Flood	CF	Misty	Rough	13.7	Surface	0.2	164	16.0		8.4		31.5		95.8		7.8		1.0		0.016		
02-03-22	Mid-Flood	CF	Misty	Rough	13.7	Surface	0.1	164	16.0		8.3		31.5		90.9		7.7		1.0		0.015		
02-03-22	Mid-Flood	CF	Misty	Rough	13.7	Middle	0.2	197	15.9		8.3		31.2		96.2		7.9		1.7		0.011		
02-03-22	Mid-Flood	CF	Misty	Rough	13.7	Middle	0.2	199	15.7		8.2		31.4		95.0		7.8		1.9		0.009		
02-03-22	Mid-Flood	CF	Misty	Rough	13.7	Bottom	0.2	187	15.8		8.0		31.9		93.5		7.7		1.8		0.004		
02-03-22	Mid-Flood	CF	Misty	Rough	13.7	Bottom	0.2	182	16.1		8.1		31.9		93.4		7.6		1.7		0.003		
02-03-22	Mid-Flood	SR3A	Misty	Rough	8.4	Surface	0.2	46	16.0		8.3		31.8		94.9		7.4		1.1		0.017		
02-03-22	Mid-Flood	SR3A	Misty	Rough	8.4	Surface	0.1	40	15.9		8.2		31.6		90.0		7.3		1.1		0.018		
02-03-22	Mid-Flood	SR3A	Misty	Rough	8.4	Middle	0.2	50	15.8		8.2		31.8		89.9		7.3		2.9		0.010		
02-03-22	Mid-Flood	SR3A	Misty	Rough	8.4	Middle	0.2	51	16.0		8.1		31.7		92.4		7.5		2.6		0.008		
02-03-22	Mid-Flood	SR3A	Misty	Rough	8.4	Bottom	0.2	49	15.9		8.0		31.6		92.4		7.5		4.9		0.003		
02-03-22	Mid-Flood	SR3A	Misty	Rough	8.4	Bottom	0.1	54	15.7		8.2		31.6		93.2		7.6		4.5		0.002		
02-03-22	Mid-Flood	SR5A	Misty	Rough	7.4	Surface	0.2	350	16.1		8.2		31.8		91.2		7.4		2.4		0.016		
02-03-22	Mid-Flood	SR5A	Misty	Rough	7.4	Surface	0.2	347	16.0		8.0		31.6		92.0		7.5		2.5		0.014		
02-03-22	Mid-Flood	SR5A	Misty	Rough	7.4	Middle	0.3	341	15.7		8.2		31.9		94.4		7.7		2.7		0.008		
02-03-22	Mid-Flood	SR5A	Misty	Rough	7.4	Middle	0.3	341	15.9		8.3		31.7		92.4		7.5		2.7		0.007		
02-03-22	Mid-Flood	SR5A	Misty	Rough	7.4	Bottom	0.3	348	15.8		8.3		31.8		90.8		7.4		6.5		0.004		
02-03-22	Mid-Flood	SR5A	Misty	Rough	7.4	Bottom	0.3	350	15.9		8.2		31.7		93.6		7.6		6.7		0.003		
02-03-22	Mid-Flood	SR7	Misty	Rough	17.5	Surface	0.2	333	16.1		8.2		31.9		91.8		7.4		1.1		0.019		
02-03-22	Mid-Flood	SR7	Misty	Rough	17.5	Surface	0.2	330	15.6		8.3		31.8		93.9		7.7		1.3		0.018		
02-03-22	Mid-Flood	SR7	Misty	Rough	17.5	Middle	0.1	335	15.7		8.0		31.7		90.7		7.4		3.0		0.013		
02-03-22	Mid-Flood	SR7	Misty	Rough	17.5	Middle	0.1	336	16.0		8.0		31.9		92.2		7.5		3.3		0.012		
02-03-22	Mid-Flood	SR7	Misty	Rough	17.5	Bottom	0.1	352	15.9		8.2		31.8		91.8		7.5		2.5		0.005		

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea	Water	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
			Condition	Condition	Depth (m)				Value	Depth-averaged					Value	Depth-averaged		Value	Depth-averaged	Value	Depth-averaged	Value
09-03-22	Mid-Ebb	CEA	Fine	Calm	4.2	Surface	0.2	210	18.8		8.1		26.7		125.1		9.9		2.2		0.012	
09-03-22	Mid-Ebb	CEA	Fine	Calm	4.2	Surface	0.2	214	18.8		8.1		26.8		125.1		9.9		2.2		0.011	
09-03-22	Mid-Ebb	CEA	Fine	Calm	4.2	Middle				18.8		8.1		26.8		124.8		9.9		2.6		0.013
09-03-22	Mid-Ebb	CEA	Fine	Calm	4.2	Middle																
09-03-22	Mid-Ebb	CEA	Fine	Calm	4.2	Bottom	0.1	204	18.7		8.1		26.9		124.6		9.9		3.1		0.014	
09-03-22	Mid-Ebb	CEA	Fine	Calm	4.2	Bottom	0.1	203	18.7		8.1		26.9		124.4		9.9		3.0		0.015	
09-03-22	Mid-Ebb	CF	Fine	Calm	15.0	Surface	0.5	183	18.9		8.1		26.4		129.0		10.3		1.0		0.018	
09-03-22	Mid-Ebb	CF	Fine	Calm	15.0	Surface	0.5	188	18.9		8.1		26.6		129.3		10.3		1.1		0.016	
09-03-22	Mid-Ebb	CF	Fine	Calm	15.0	Middle	0.4	170	19.0	18.9		8.1		26.9		127.2		10.2		2.2		0.003
09-03-22	Mid-Ebb	CF	Fine	Calm	15.0	Middle	0.4	166	19.0		8.1		26.9		127.1		10.1		2.1		0.004	
09-03-22	Mid-Ebb	CF	Fine	Calm	15.0	Bottom	0.4	165	18.9		8.1		27.0		125.6		10.0		3.4		0.010	
09-03-22	Mid-Ebb	CF	Fine	Calm	15.0	Bottom	0.4	168	18.9		8.1		27.0		125.3		9.9		3.4		0.011	
09-03-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Surface	0.1	219	18.6		8.1		26.6		130.1		10.4		1.1		0.004	
09-03-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Surface	0.1	220	18.6		8.1		26.6		130.1		10.4		1.1		0.005	
09-03-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Middle	0.1	242	18.6	18.6		8.1		27.0		128.7		10.3		1.8		0.007
09-03-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Middle	0.1	245	18.6		8.1		27.0		128.2		10.2		1.7		0.008	
09-03-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Bottom	0.1	231	18.6		8.1		27.0		126.1		10.0		3.0		0.010	
09-03-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Bottom	0.2	233	18.6		8.1		27.0		126.1		10.0		3.0		0.011	
09-03-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Surface	0.3	148	18.8		8.1		24.6		126.0		10.1		1.1		0.017	
09-03-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Surface	0.4	155	18.8		8.1		24.7		126.7		10.2		1.1		0.018	
09-03-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Middle	0.4	143	18.8	18.8		8.1		25.1		124.5		10.0		1.8		0.012
09-03-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Middle	0.4	142	18.8		8.1		25.1		124.3		10.0		1.7		0.013	
09-03-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Bottom	0.4	139	18.8		8.1		25.1		122.4		9.8		2.8		0.010	
09-03-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Bottom	0.3	142	18.8		8.1		24.4		122.2		9.8		2.7		0.011	
09-03-22	Mid-Ebb	SR7	Fine	Calm	16.4	Surface	0.4	180	18.9		8.1		25.1		120.1		9.6		1.2		0.011	
09-03-22	Mid-Ebb	SR7	Fine	Calm	16.4	Surface	0.4	174	18.9		8.1		24.5		120.3		9.6		1.3		0.012	
09-03-22	Mid-Ebb	SR7	Fine	Calm	16.4	Middle	0.4	175	18.9	18.9		8.1		24.9		118.9		9.5		1.7		0.009
09-03-22	Mid-Ebb	SR7	Fine	Calm	16.4	Middle	0.4	180	19.0		8.1		24.9		118.8		9.5		1.7		0.010	
09-03-22	Mid-Ebb	SR7	Fine	Calm	16.4	Bottom	0.4	202	19.0		8.1		25.0		112.4		9.0		2.1		0.004	
09-03-22	Mid-Ebb	SR7	Fine	Calm	16.4	Bottom	0.4	198	18.9		8.1		24.9		112.3		9.0		2.1		0.003	
09-03-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Surface	0.2	203	18.8		8.1		26.5		121.3		9.7		1.1		0.008	
09-03-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Surface	0.2	202	18.8		8.1		26.7		121.4		9.7		1.1		0.009	
09-03-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Middle				18.8		8.1		26.8		120.9		9.7		1.9		0.008
09-03-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Middle																
09-03-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Bottom	0.1	221	18.7		8.1		27.0		120.6		9.7		2.6		0.007	
09-03-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Bottom	0.1	214	18.7		8.1		27.0		120.4		9.6		2.6		0.008	
09-03-22	Mid-Flood	CEA	Fine	Calm	4.4	Surface	0.2	53	18.8		8.1		26.4		122.4		9.7		1.8		0.008	
09-03-22	Mid-Flood	CEA	Fine	Calm	4.4	Surface	0.2	54	18.8		8.1		26.5		122.3		9.7		1.9		0.009	
09-03-22	Mid-Flood	CEA	Fine	Calm	4.4	Middle				18.9		8.0		26.5		121.7		9.7		2.3		0.006
09-03-22	Mid-Flood	CEA	Fine	Calm	4.4	Middle																
09-03-22	Mid-Flood	CEA	Fine	Calm	4.4	Bottom	0.3	30	19.0		8.0		26.6		121.5		9.6		2.8		0.002	
09-03-22	Mid-Flood	CEA	Fine	Calm	4.4	Bottom	0.2	31	18.9		8.0		26.6		120.6		9.6		2.7		0.003	
09-03-22	Mid-Flood	CF	Fine	Calm	15.2	Surface	0.1	343	18.2		8.1		24.1		129.0		10.5		1.0		0.001	
09-03-22	Mid-Flood	CF	Fine	Calm	15.2	Surface	0.1	346	18.2		8.1		24.1		128.8		10.5		1.0		0.002	
09-03-22	Mid-Flood	CF	Fine	Calm	15.2	Middle	0.1	314	18.0	18.1		8.1		23.7		120.7		9.9		1.9		0.010
09-03-22	Mid-Flood	CF	Fine	Calm	15.2	Middle	0.1	309	18.0		8.1		23.5		120.6		9.9		1.8		0.011	
09-03-22	Mid-Flood	CF	Fine	Calm	15.2	Bottom	0.1	323	18.2		8.1		22.9		120.4		9.9		2.0		0.005	
09-03-22	Mid-Flood	CF	Fine	Calm	15.2	Bottom	0.1	321	18.2		8.1		22.8		120.4		9.9		2.0		0.006	
09-03-22	Mid-Flood	SR3A	Fine	Calm	7.0	Surface	0.1	52	19.3		8.1		24.6		128.0		10.2		1.0		0.010	
09-03-22	Mid-Flood	SR3A	Fine	Calm	7.0	Surface	0.1	59	19.2		8.1		24.6		127.8		10.2		1.0		0.011	
09-03-22	Mid-Flood	SR3A	Fine	Calm	7.0	Middle	0.1	50	19.0	19.1		8.1		24.7		125.2		10.0		1.6		0.010
09-03-22	Mid-Flood	SR3A	Fine	Calm	7.0	Middle	0.0	53	19.0		8.1		24.6		124.6		10.0		1.7		0.009	
09-03-22	Mid-Flood	SR3A	Fine	Calm	7.0	Bottom	0.1	53	18.9		8.1		24.2		120.1		9.7		2.6		0.007	
09-03-22	Mid-Flood	SR3A	Fine	Calm	7.0	Bottom	0.2	53	19.0		8.1		24.0		120.4		9.7		2.7		0.008	
09-03-22	Mid-Flood	SR5A	Fine	Calm	7.6	Surface	0.3	319	18.7		8.1		24.8		131.3		10.6		1.6		0.014	
09-03-22	Mid-Flood	SR5A	Fine	Calm	7.6	Surface	0.3	314	18.7		8.1		24.7		131.0		10.6		1.6		0.015	
09-03-22	Mid-Flood	SR5A	Fine	Calm	7.6	Middle	0.2	349	18.7	18.8		8.1		24.6		125.9		10.2		2.2		0.007
09-03-22	Mid-Flood	SR5A	Fine	Calm	7.6	Middle	0.3	341	18.7		8.1		24.5		125.5		10.1		2.1		0.007	
09-03-22	Mid-Flood	SR5A	Fine	Calm	7.6	Bottom	0.3	346	18.8		8.1		24.3		124.4		10.0		3.0		0.008	
09-03-22	Mid-Flood	SR5A	Fine	Calm	7.6	Bottom	0.3	340	18.9		8.1		24.2		124.1		10.0		3.0		0.010	
09-03-22	Mid-Flood	SR7	Fine	Calm	14.2	Surface	0.2	349	18.2		8.1		24.9		127.4		10.4		1.0		0.002	
09-03-22	Mid-Flood	SR7	Fine	Calm	14.2	Surface	0.2	344	18.2		8.1		25.0		127.2		10.3		1.1		0.003	
09-03-22	Mid-Flood	SR7	Fine	Calm	14.2	Middle	0.2	344	17.8	18.1												

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
17-03-22	Mid-Ebb	CEA	Sunny	Moderate	5.7	Surface	0.1	212	21.3		8.3		23.1		135.3		10.5		4.4		0.011	
17-03-22	Mid-Ebb	CEA	Sunny	Moderate	5.7	Surface	0.1	208	21.3		8.3		23.1		135.2		10.5		4.4		0.010	
17-03-22	Mid-Ebb	CEA	Sunny	Moderate	5.7	Middle	0.1	236		21.3	8.2											
17-03-22	Mid-Ebb	CEA	Sunny	Moderate	5.7	Middle	0.1	232														
17-03-22	Mid-Ebb	CEA	Sunny	Moderate	5.7	Bottom	0.1	218	21.2		8.2		24.7		133.0		10.2	10.2	5.3		0.004	
17-03-22	Mid-Ebb	CEA	Sunny	Moderate	5.7	Bottom	0.2	217	21.2		8.2		24.7		133.0		10.2	10.2	5.3		0.002	
17-03-22	Mid-Ebb	CF	Sunny	Moderate	17.3	Surface	0.4	182	20.4		8.3		25.6		138.9		10.8	11.1	2.9		0.017	
17-03-22	Mid-Ebb	CF	Sunny	Moderate	17.3	Surface	0.4	182	20.4		8.3		25.6		138.9		10.8	11.1	2.9		0.016	
17-03-22	Mid-Ebb	CF	Sunny	Moderate	17.3	Middle	0.4	177	21.0	20.8	8.3		22.7	24.1	145.7	141.0	11.4	10.7	3.7	4.3	0.011	0.010
17-03-22	Mid-Ebb	CF	Sunny	Moderate	17.3	Middle	0.4	181	21.0		8.3		22.7		145.7		11.4	10.7	3.7		0.009	
17-03-22	Mid-Ebb	CF	Sunny	Moderate	17.3	Bottom	0.4	187	21.0		8.2		24.0		138.4		10.7	10.7	6.2		0.003	
17-03-22	Mid-Ebb	CF	Sunny	Moderate	17.3	Bottom	0.4	184	21.0		8.2		24.0		138.5		10.7	10.7	6.2		0.002	
17-03-22	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Surface	0.1	228	21.2		8.3		21.7		142.9		11.2	10.8	2.0		0.015	
17-03-22	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Surface	0.1	226	21.2		8.3		21.7		142.9		11.2	10.8	2.0		0.014	
17-03-22	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Middle	0.1	217	20.5	20.6	8.2		24.8	24.5	132.5	133.3	10.3	10.8	3.0	3.2	0.009	0.009
17-03-22	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Middle	0.2	214	20.5		8.2		24.8		132.4		10.3	10.8	3.1		0.008	
17-03-22	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Bottom	0.1	213	20.0		8.2		27.1		124.4		9.6	9.6	4.6		0.005	
17-03-22	Mid-Ebb	SR3A	Sunny	Moderate	7.6	Bottom	0.1	216	20.0		8.2		27.1		124.4		9.6	9.6	4.6		0.003	
17-03-22	Mid-Ebb	SR5A	Sunny	Moderate	6.9	Surface	0.3	139	21.2		8.3		21.7		146.5		11.5	11.5	3.0		0.016	
17-03-22	Mid-Ebb	SR5A	Sunny	Moderate	6.9	Surface	0.3	143	21.1		8.3		21.7		146.5		11.5	11.5	3.1		0.015	
17-03-22	Mid-Ebb	SR5A	Sunny	Moderate	6.9	Middle	0.3	147	21.0	20.7	8.3		22.6	23.8	146.9	140.1	11.5	11.5	4.8	4.5	0.007	0.008
17-03-22	Mid-Ebb	SR5A	Sunny	Moderate	6.9	Middle	0.3	152	21.0		8.3		22.6		147.0		11.5	11.5	4.9		0.006	
17-03-22	Mid-Ebb	SR5A	Sunny	Moderate	6.9	Bottom	0.3	121	20.0		8.2		27.1		126.9		9.8	9.8	5.6		0.002	
17-03-22	Mid-Ebb	SR5A	Sunny	Moderate	6.9	Bottom	0.2	123	20.0		8.2		27.1		126.9		9.8	9.8	5.6		0.001	
17-03-22	Mid-Ebb	SR7	Sunny	Moderate	19.4	Surface	0.3	187	21.0		8.3		22.9		144.8		11.3	10.9	2.7		0.018	
17-03-22	Mid-Ebb	SR7	Sunny	Moderate	19.4	Surface	0.3	187	21.0		8.3		22.9		144.8		11.3	10.9	2.7		0.017	
17-03-22	Mid-Ebb	SR7	Sunny	Moderate	19.4	Middle	0.3	190	21.1	20.7	8.3		24.0	24.6	136.4	134.8	10.6	10.9	3.5	4.9	0.013	0.013
17-03-22	Mid-Ebb	SR7	Sunny	Moderate	19.4	Middle	0.3	196	21.1		8.3		24.0		136.3		10.6	10.9	3.5		0.012	
17-03-22	Mid-Ebb	SR7	Sunny	Moderate	19.4	Bottom	0.3	171	20.1		8.1		26.9		123.2		9.6	9.6	8.5		0.009	
17-03-22	Mid-Ebb	SR7	Sunny	Moderate	19.4	Bottom	0.3	173	20.1		8.1		26.9		123.2		9.6	9.6	8.5		0.008	
17-03-22	Mid-Ebb	SR14A	Sunny	Moderate	4.8	Surface	0.1	223	21.5		8.4		21.3		151.2		11.8	11.8	3.8		0.012	
17-03-22	Mid-Ebb	SR14A	Sunny	Moderate	4.8	Surface	0.1	227	21.5		8.4		21.3		151.0		11.8	11.8	3.8		0.011	
17-03-22	Mid-Ebb	SR14A	Sunny	Moderate	4.8	Middle	0.1	236		21.4	8.3											
17-03-22	Mid-Ebb	SR14A	Sunny	Moderate	4.8	Middle	0.2	232														
17-03-22	Mid-Ebb	SR14A	Sunny	Moderate	4.8	Bottom	0.1	227	21.3		8.3		23.2		136.5		10.6	10.6	4.2		0.004	
17-03-22	Mid-Ebb	SR14A	Sunny	Moderate	4.8	Bottom	0.1	223	21.3		8.3		23.2		136.5		10.6	10.6	4.2		0.003	
17-03-22	Mid-Flood	CEA	Fine	Moderate	3.9	Surface	0.3	36	20.8	20.8	8.3		23.8		138.0		10.7	10.7	2.9		0.011	
17-03-22	Mid-Flood	CEA	Fine	Moderate	3.9	Surface	0.3	39	20.8		8.3		23.8		138.0		10.7	10.7	2.9		0.010	
17-03-22	Mid-Flood	CEA	Fine	Moderate	3.9	Middle	0.3	25			8.3											
17-03-22	Mid-Flood	CEA	Fine	Moderate	3.9	Middle	0.3	27			8.3											
17-03-22	Mid-Flood	CEA	Fine	Moderate	3.9	Bottom	0.3	64	20.7		8.3		24.2		136.4		10.6	10.6	4.3		0.005	
17-03-22	Mid-Flood	CEA	Fine	Moderate	3.9	Bottom	0.3	66	20.7		8.3		24.2		136.4		10.6	10.6	4.3		0.004	
17-03-22	Mid-Flood	CF	Fine	Rough	14.6	Surface	0.1	184	20.7	19.8	8.3		23.2		141.3		11.1	10.3	2.8	2.9	0.016	
17-03-22	Mid-Flood	CF	Fine	Rough	14.6	Surface	0.1	187	20.7		8.3		23.2		141.3		11.1	10.3	2.8		0.014	
17-03-22	Mid-Flood	CF	Fine	Rough	14.6	Middle	0.1	156	19.4		8.1		28.3	27.0	123.0	128.0	9.6	9.3	3.6	2.9	0.010	0.010
17-03-22	Mid-Flood	CF	Fine	Rough	14.6	Middle	0.1	161	19.4		8.1		28.3		123.0		9.6	9.3	3.6		0.009	
17-03-22	Mid-Flood	CF	Fine	Rough	14.6	Bottom	0.1	197	19.2		8.1		29.3		119.8		9.3	9.3	2.4		0.005	
17-03-22	Mid-Flood	CF	Fine	Rough	14.6	Bottom	0.1	189	19.2		8.1		29.4		119.6		9.3	9.3	2.5		0.003	
17-03-22	Mid-Flood	SR3A	Fine	Calm	7.7	Surface	0.1	22	20.7	20.1	8.3		22.9		144.6		11.3	10.9	2.5	3.7	0.016	0.008
17-03-22	Mid-Flood	SR3A	Fine	Calm	7.7	Surface	0.1	27	20.7		8.3		22.9		144.6		11.3	10.9	2.5		0.014	
17-03-22	Mid-Flood	SR3A	Fine	Calm	7.7	Middle	0.2	15	20.0		8.2		25.4	25.4	133.2	136.0	10.4	10.9	3.2	3.7	0.008	0.007
17-03-22	Mid-Flood	SR3A	Fine	Calm	7.7	Middle	0.2	8	20.0		8.2		25.4		133.2		10.4	10.9	3.2		0.007	
17-03-22	Mid-Flood	SR3A	Fine	Calm	7.7	Bottom	0.1	10	19.7		8.2		27.8		130.2		10.1	10.1	5.5		0.003	
17-03-22	Mid-Flood	SR3A	Fine	Calm	7.7	Bottom	0.1	8	19.7		8.2		27.8		130.3		10.1	10.1	5.5		0.002	
17-03-22	Mid-Flood	SR5A	Fine	Moderate	6.3	Surface	0.2	329	20.6	19.9	8.3		23.0		142.6		11.2	10.7	2.4	3.4	0.018	0.011
17-03-22	Mid-Flood	SR5A	Fine	Moderate	6.3	Surface	0.3	331	20.6		8.3		23.0		142.5		11.2	10.7	2.4		0.017	
17-03-22	Mid-Flood	SR5A	Fine	Moderate	6.3	Middle	0.3	317	19.8		8.2		26.6	26.3	129.9	131.6	10.1	10.7	3.7	3.4	0.013	0.011
17-03-22	Mid-Flood	SR5A	Fine	Moderate	6.3	Middle	0.3	312	19.8		8.2		26.6		129.9		10.1	10.7	3.7		0.011	
17-03-22	Mid-Flood	SR5A	Fine	Moderate	6.3	Bottom	0.3	347	19.2		8.1		29.2		122.2		9.5	9.5	4.1		0.005	
17-03-22	Mid-Flood	SR5A	Fine	Moderate	6.3	Bottom	0.3	347	19.2		8.1		29.2		122.2		9.5	9.5	4.1			

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
23-03-22	Mid-Ebb	CEA	Rainy	Rough	4.7	Surface	0.2	213	22.1		8.0		23.8		96.5		7.3		7.3		0.018	
23-03-22	Mid-Ebb	CEA	Rainy	Rough	4.7	Surface	0.2	207	22.1		8.0		23.9		96.6		7.3		7.3		0.017	
23-03-22	Mid-Ebb	CEA	Rainy	Rough	4.7	Middle	0.3	216		22.1		7.9								7.8		0.012
23-03-22	Mid-Ebb	CEA	Rainy	Rough	4.7	Middle	0.3	216														
23-03-22	Mid-Ebb	CEA	Rainy	Rough	4.7	Bottom	0.3	227	22.1		7.9		24.4		97.2		7.4	7.4	8.3		0.006	
23-03-22	Mid-Ebb	CEA	Rainy	Rough	4.7	Bottom	0.2	234	22.1		7.9		24.4		97.3		7.4	7.4	8.4		0.005	
23-03-22	Mid-Ebb	CF	Rainy	Rough	12.8	Surface	0.6	180	20.7		8.0		25.6		98.6		7.6		3.6		0.019	
23-03-22	Mid-Ebb	CF	Rainy	Rough	12.8	Surface	0.6	176	20.6		8.0		25.8		98.5		7.6		3.6		0.018	
23-03-22	Mid-Ebb	CF	Rainy	Rough	12.8	Middle	0.5	180	20.3	20.4	8.0	8.0	27.4	26.8	97.7	97.3	7.5	7.5	8.6	7.3	0.015	0.014
23-03-22	Mid-Ebb	CF	Rainy	Rough	12.8	Middle	0.5	173	20.3		8.0		27.4		96.7		7.4		8.6		0.014	
23-03-22	Mid-Ebb	CF	Rainy	Rough	12.8	Bottom	0.6	181	20.3		8.0		27.4		96.7		7.5	7.5	9.7		0.010	
23-03-22	Mid-Ebb	CF	Rainy	Rough	12.8	Bottom	0.6	188	20.3		8.0		27.4		96.8		7.5	7.5	9.6		0.008	
23-03-22	Mid-Ebb	SR3A	Rainy	Rough	6.1	Surface	0.1	219	21.5		8.0		24.2		97.5		7.5		3.0		0.015	
23-03-22	Mid-Ebb	SR3A	Rainy	Rough	6.1	Surface	0.1	217	21.5	21.4	8.0	7.9	24.2	23.8	97.5	97.2	7.5	7.5	3.0	3.8	0.014	0.009
23-03-22	Mid-Ebb	SR3A	Rainy	Rough	6.1	Middle	0.2	243	21.2		8.0		23.1		97.5		7.6		1.8		0.010	
23-03-22	Mid-Ebb	SR3A	Rainy	Rough	6.1	Middle	0.1	247	21.2		8.0		23.1		97.5		7.6		1.8		0.008	
23-03-22	Mid-Ebb	SR3A	Rainy	Rough	6.1	Bottom	0.2	225	21.5		7.9		24.2		96.6		7.4	7.4	6.7		0.004	
23-03-22	Mid-Ebb	SR3A	Rainy	Rough	6.1	Bottom	0.1	217	21.5		7.9		24.2		96.6		7.4	7.4	6.8		0.002	
23-03-22	Mid-Ebb	SR5A	Rainy	Moderate	6.8	Surface	0.4	134	21.2		8.0		23.1		97.5		7.6		1.7		0.016	
23-03-22	Mid-Ebb	SR5A	Rainy	Moderate	6.8	Surface	0.4	133	21.2		8.0		23.1		97.5		7.6		1.7		0.015	
23-03-22	Mid-Ebb	SR5A	Rainy	Moderate	6.8	Middle	0.4	122	21.3	21.4	8.0	8.0	23.2	23.5	96.8	96.2	7.5	7.5	1.9	2.3	0.011	0.010
23-03-22	Mid-Ebb	SR5A	Rainy	Moderate	6.8	Middle	0.4	119	21.3		8.0		23.2		96.8		7.5		1.8		0.010	
23-03-22	Mid-Ebb	SR5A	Rainy	Moderate	6.8	Bottom	0.4	143	21.6		8.0		24.2		94.1		7.2	7.2	3.3		0.003	
23-03-22	Mid-Ebb	SR5A	Rainy	Moderate	6.8	Bottom	0.4	142	21.6		8.0		24.2		94.3		7.2	7.2	3.3		0.002	
23-03-22	Mid-Ebb	SR7	Rainy	Rough	14.9	Surface	0.4	165	21.2		8.0		23.1		96.5		7.5		1.7		0.018	
23-03-22	Mid-Ebb	SR7	Rainy	Rough	14.9	Surface	0.5	161	21.2	21.4	8.0	8.0	23.1	23.8	96.5	94.1	7.5	7.3	1.8	2.3	0.017	0.011
23-03-22	Mid-Ebb	SR7	Rainy	Rough	14.9	Middle	0.4	163	21.5		8.0		24.1		93.1		7.1		2.6		0.013	
23-03-22	Mid-Ebb	SR7	Rainy	Rough	14.9	Middle	0.4	166	21.5		8.0		24.1		93.1		7.1		2.7		0.012	
23-03-22	Mid-Ebb	SR7	Rainy	Rough	14.9	Bottom	0.4	174	21.5		8.0		24.2		92.7		7.1	7.1	2.6		0.004	
23-03-22	Mid-Ebb	SR7	Rainy	Rough	14.9	Bottom	0.4	179	21.5		8.0		24.2		92.7		7.1	7.1	2.6		0.003	
23-03-22	Mid-Ebb	SR14A	Rainy	Rough	4.9	Surface	0.3	228	22.1		8.0		23.8		96.3		7.3		5.8		0.010	
23-03-22	Mid-Ebb	SR14A	Rainy	Rough	4.9	Surface	0.3	224	22.1	22.2	8.0	8.0	23.8	24.0	96.4	96.7	7.3	7.3	5.8	7.6	0.008	0.007
23-03-22	Mid-Ebb	SR14A	Rainy	Rough	4.9	Middle	0.2	202														
23-03-22	Mid-Ebb	SR14A	Rainy	Rough	4.9	Middle	0.3	200														
23-03-22	Mid-Ebb	SR14A	Rainy	Rough	4.9	Bottom	0.3	233	22.2		8.0		24.2		97.1		7.4	7.4	9.4		0.005	
23-03-22	Mid-Ebb	SR14A	Rainy	Rough	4.9	Bottom	0.3	236	22.2		8.0		24.2		97.1		7.4	7.4	9.4		0.003	
23-03-22	Mid-Flood	CEA	Rainy	Moderate	5.6	Surface	0.3	35	21.2	21.4	8.0	8.0	23.1	23.6	97.2	95.5	7.5	7.5	1.8	2.4	0.015	0.010
23-03-22	Mid-Flood	CEA	Rainy	Moderate	5.6	Surface	0.3	31	21.2		8.0		23.1		97.2		7.5		1.8		0.014	
23-03-22	Mid-Flood	CEA	Rainy	Moderate	5.6	Middle	0.3	54														
23-03-22	Mid-Flood	CEA	Rainy	Moderate	5.6	Middle	0.3	59														
23-03-22	Mid-Flood	CEA	Rainy	Moderate	5.6	Bottom	0.3	22	21.5		7.9		24.1		93.8		7.2	7.2	3.0		0.006	
23-03-22	Mid-Flood	CEA	Rainy	Moderate	5.6	Bottom	0.3	28	21.5		7.9		24.1		93.9		7.2	7.2	2.9		0.005	
23-03-22	Mid-Flood	CF	Rainy	Rough	14.6	Surface	0.1	222	21.0		8.0		24.6		100.8		7.8		2.0		0.018	
23-03-22	Mid-Flood	CF	Rainy	Rough	14.6	Surface	0.0	223	21.0		8.0		24.6		100.8		7.8		2.0		0.016	
23-03-22	Mid-Flood	CF	Rainy	Rough	14.6	Middle	0.1	213	21.0	21.0	8.0	8.0	24.9	25.0	100.4	100.3	7.7	7.8	2.2	2.5	0.011	0.010
23-03-22	Mid-Flood	CF	Rainy	Rough	14.6	Middle	0.1	219	21.0		8.0		24.8		100.3		7.7		2.2		0.009	
23-03-22	Mid-Flood	CF	Rainy	Rough	14.6	Bottom	0.1	223	21.0		8.0		25.5		99.6		7.7	7.7	3.1		0.005	
23-03-22	Mid-Flood	CF	Rainy	Rough	14.6	Bottom	0.1	221	21.0		8.0		25.5		99.7		7.7	7.7	3.2		0.003	
23-03-22	Mid-Flood	SR3A	Rainy	Moderate	7.7	Surface	0.1	43	21.0	20.9	8.0	8.0	24.5	25.1	99.9	99.5	7.7	7.7	3.2	3.4	0.015	0.014
23-03-22	Mid-Flood	SR3A	Rainy	Moderate	7.7	Surface	0.1	36	21.0		8.0		24.5		99.9		7.7		3.4		0.014	
23-03-22	Mid-Flood	SR3A	Rainy	Moderate	7.7	Middle	0.2	56	20.9		8.0	8.0	25.1		99.2		7.7	7.7	4.2	3.4	0.008	0.007
23-03-22	Mid-Flood	SR3A	Rainy	Moderate	7.7	Middle	0.2	56	20.9		8.0		25.2		99.1		7.6		4.2		0.007	
23-03-22	Mid-Flood	SR3A	Rainy	Moderate	7.7	Bottom	0.1	47	20.9		8.0		25.7		99.3		7.6	7.6	2.8		0.003	
23-03-22	Mid-Flood	SR3A	Rainy	Moderate	7.7	Bottom	0.2	45	20.9		8.0		25.7		99.4		7.6	7.6	2.8		0.002	
23-03-22	Mid-Flood	SR5A	Rainy	Moderate	7.9	Surface	0.4	345	20.9	20.6	8.0	8.0	24.9	26.3	99.1	97.9	7.7	7.6	3.7	7.3	0.016	0.009
23-03-22	Mid-Flood	SR5A	Rainy	Moderate	7.9	Surface	0.4	340	20.9		8.0		24.9		99.0		7.6	7.6	3.7		0.015	
23-03-22	Mid-Flood	SR5A	Rainy	Moderate	7.9	Middle	0.4	319	20.6		8.0	8.0	26.4		98.1		7.5		5.9		0.009	
23-03-22	Mid-Flood	SR5A	Rainy	Moderate	7.9	Middle	0.4	318	20.6		8.0		26.6		97.9		7.5		5.9		0.008	
23-03-22	Mid-Flood	SR5A	Rainy	Moderate	7.9	Bottom	0.3	344	20.2		8.0		27.6		96.7		7.5	7.5	12.4		0.004	
23-03-22	Mid-Flood	SR5A	Rainy	Moderate	7.9	Bottom	0.3	341	20.2		8.0		27.6		96.8		7.5	7.5	12.4		0.003	
23-03-22	Mid-Flood	SR7	Rainy	Rough	16.7	Surface	0.2	327	20.9</													

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
30-03-22	Mid-Ebb	CEA	Cloudy	Moderate	5.4	Surface	0.2	213	19.4		8.0		27.2		86.0		6.7		4.3		0.016	
30-03-22	Mid-Ebb	CEA	Cloudy	Moderate	5.4	Surface	0.2	208	19.4		8.0		27.2		86.0		6.7		4.3		0.015	
30-03-22	Mid-Ebb	CEA	Cloudy	Moderate	5.4	Middle				19.6		7.9		27.7		84.3		6.7		4.9		0.010
30-03-22	Mid-Ebb	CEA	Cloudy	Moderate	5.4	Middle					7.9				82.6		6.4		5.5		0.007	
30-03-22	Mid-Ebb	CEA	Cloudy	Moderate	5.4	Bottom	0.2	205	19.7		7.9		28.2		82.7		6.4		5.5		0.003	
30-03-22	Mid-Ebb	CF	Cloudy	Moderate	14.8	Surface	0.2	169	19.2		8.0		28.7		89.6		7.0		4.6		0.017	
30-03-22	Mid-Ebb	CF	Cloudy	Moderate	14.8	Surface	0.2	173	19.2		8.0		28.7		89.6		7.0		4.6		0.016	
30-03-22	Mid-Ebb	CF	Cloudy	Moderate	14.8	Middle	0.1	160	19.2	19.2		8.0		29.0		89.1		7.0		4.7		0.013
30-03-22	Mid-Ebb	CF	Cloudy	Moderate	14.8	Middle	0.1	163	19.2		8.0		28.9		89.1		7.0		4.7		0.012	
30-03-22	Mid-Ebb	CF	Cloudy	Moderate	14.8	Bottom	0.2	192	19.2		8.0		29.6		88.4		6.9		5.7		0.008	
30-03-22	Mid-Ebb	CF	Cloudy	Moderate	14.8	Bottom	0.2	194	19.2		8.0		29.6		88.5		6.9		5.7		0.006	
30-03-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Surface	0.1	216	19.2		8.0		28.6		88.7		6.9		5.7		0.013	
30-03-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Surface	0.1	217	19.2		8.0		28.6		88.7		6.9		6.0		0.012	
30-03-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Middle	0.1	230	19.1	19.1		8.0		29.2		88.0		6.9		6.7		0.008
30-03-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Middle	0.1	227	19.1		8.0		29.3		87.9		6.9		6.8		0.006	
30-03-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Bottom	0.1	237	19.1		8.0		29.8		88.1		6.8		5.3		0.002	
30-03-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.8	Bottom	0.1	233	19.1		8.0		29.8		88.2		6.9		5.3		0.003	
30-03-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.4	Surface	0.4	145	19.1		8.0		29.0		87.9		6.9		6.3		0.014	
30-03-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.4	Surface	0.3	148	19.1		8.0		29.0		87.8		6.9		6.3		0.013	
30-03-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.4	Middle	0.4	132	18.8	18.8		8.0		30.5		86.9		6.8		8.4		0.009
30-03-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.4	Middle	0.3	135	18.8		8.0		30.7		86.7		6.7		8.4		0.008	
30-03-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.4	Bottom	0.3	151	18.4		8.0		31.7		85.5		6.7		10.9		0.001	
30-03-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.4	Bottom	0.3	150	18.4		8.0		31.7		85.6		6.7		11.0		0.005	
30-03-22	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Surface	0.2	153	18.9		8.0		28.4		88.0		6.9		8.3		0.016	
30-03-22	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Surface	0.3	156	18.9		8.0		28.4		88.0		6.9		8.3		0.015	
30-03-22	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Middle	0.2	181	19.0	18.9		8.0		28.5		87.9		6.9		10.1		0.011
30-03-22	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Middle	0.2	186	19.0		8.0		28.5		87.9		6.9		10.1		0.010	
30-03-22	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Bottom	0.2	175	18.9		8.0		28.8		87.4		6.9		9.5		0.002	
30-03-22	Mid-Ebb	SR7	Cloudy	Moderate	17.1	Bottom	0.2	176	18.9		8.0		28.8		87.4		6.9		9.5		0.001	
30-03-22	Mid-Ebb	SR14A	Cloudy	Moderate	5.7	Surface	0.2	217	19.0		8.0		29.9		87.2		6.8		10.1		0.008	
30-03-22	Mid-Ebb	SR14A	Cloudy	Moderate	5.7	Surface	0.2	213	19.0		8.0		29.9		87.2		6.8		10.2		0.006	
30-03-22	Mid-Ebb	SR14A	Cloudy	Moderate	5.7	Middle				19.0		8.0		29.9		86.6		6.8		10.6		0.005
30-03-22	Mid-Ebb	SR14A	Cloudy	Moderate	5.7	Middle						8.0		29.9		86.1		6.7		11.0		0.003
30-03-22	Mid-Ebb	SR14A	Cloudy	Moderate	5.7	Bottom	0.2	210	19.0		8.0		29.9		86.0		6.7		11.0		0.004	
30-03-22	Mid-Ebb	SR14A	Cloudy	Moderate	5.7	Bottom	0.2	215	19.0		8.0		29.9		86.0		6.7		11.0		0.004	
30-03-22	Mid-Flood	CEA	Cloudy	Moderate	4.8	Surface	0.1	32	20.9		8.0		28.7		88.3		6.7		9.8		0.018	
30-03-22	Mid-Flood	CEA	Cloudy	Moderate	4.8	Surface	0.1	30	20.9		8.0		28.7		88.4		6.7		9.8		0.017	
30-03-22	Mid-Flood	CEA	Cloudy	Moderate	4.8	Middle				20.9		8.0		29.0		88.7		6.7		10.3		0.013
30-03-22	Mid-Flood	CEA	Cloudy	Moderate	4.8	Middle						8.0		29.3		89.0		6.7		10.9		0.009
30-03-22	Mid-Flood	CEA	Cloudy	Moderate	4.8	Bottom	0.1	37	20.9		8.0		29.3		89.1		6.7		10.9		0.008	
30-03-22	Mid-Flood	CF	Cloudy	Moderate	12.7	Surface	0.2	322	19.5		8.1		30.5		90.4		6.9		6.1		0.021	
30-03-22	Mid-Flood	CF	Cloudy	Moderate	12.7	Surface	0.2	329	19.4		8.1		30.7		90.3		6.9		6.1		0.019	
30-03-22	Mid-Flood	CF	Cloudy	Moderate	12.7	Middle	0.2	335	19.1	19.2		8.1		31.7		88.5		6.9		11.1		0.014
30-03-22	Mid-Flood	CF	Cloudy	Moderate	12.7	Middle	0.2	336	19.1		8.1		32.3		88.5		6.8		11.1		0.012	
30-03-22	Mid-Flood	CF	Cloudy	Moderate	12.7	Bottom	0.3	319	19.1		8.1		32.3		88.5		6.8		12.2		0.008	
30-03-22	Mid-Flood	CF	Cloudy	Moderate	12.7	Bottom	0.3	322	19.1		8.1		32.3		88.6		6.8		12.2		0.006	
30-03-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Surface	0.2	50	20.3		8.0		29.1		89.3		6.8		5.5		0.018	
30-03-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Surface	0.2	52	20.3		8.0		29.1		89.3		6.8		5.5		0.017	
30-03-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Middle	0.2	65	20.0	20.2		8.0		28.0		89.3		6.9		4.3		0.011
30-03-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Middle	0.1	61	20.0		8.0		28.0		89.3		6.9		4.3		0.010	
30-03-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Bottom	0.2	39	20.3		8.0		29.0		88.4		6.7		9.3		0.006	
30-03-22	Mid-Flood	SR3A	Cloudy	Moderate	6.8	Bottom	0.1	34	20.3		8.0		29.0		88.4		6.7		9.3		0.005	
30-03-22	Mid-Flood	SR5A	Cloudy	Moderate	7.2	Surface	0.3	340	20.0		8.0		28.0		89.3		6.9		4.3		0.019	
30-03-22	Mid-Flood	SR5A	Cloudy	Moderate	7.2	Surface	0.2	341	20.0		8.0		28.0		89.3		6.9		4.3		0.018	
30-03-22	Mid-Flood	SR5A	Cloudy	Moderate	7.2	Middle	0.2	334	20.1	20.2		8.0		28.1		88.6		6.8		4.4		0.012
30-03-22	Mid-Flood	SR5A	Cloudy	Moderate	7.2	Middle	0.2	334	20.1		8.0		28.1		88.6		6.8		4.4		0.011	
30-03-22	Mid-Flood	SR5A	Cloudy	Moderate	7.2	Bottom	0.2	349	20.4		8.0		29.1		85.9		6.5		5.8		0.007	
30-03-22	Mid-Flood	SR5A	Cloudy	Moderate	7.2	Bottom	0.2	341	20.4		8.0		29.1		86.1		6.6		5.8		0.006	
30-03-22	Mid-Flood	SR7	Cloudy	Moderate	16.6	Surface	0.3	356	20.0		8.0		28.0		88.3		6.8		4.3		0.021	
30-03-22	Mid-Flood	SR7	Cloudy	Moderate	16.6	Surface	0.3	355	20.0		8.0		28.0		88.3		6.8		4.3		0.019	
30-03-22	Mid-Flood	SR7	Cloudy	Moderate	16.6	Middle	0.3	340	20.3	20.2		8.0		29.0		84.9		6.5		5.2		0.013
30-03-22	Mid-Flood	SR7	Cloudy	Moderate	16.6	Middle	0.3	341	20.3	</												

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH Value	pH Depth-averaged	Salinity ppt Value	Salinity ppt Depth-averaged	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value
06-04-22	Mid-Ebb	CEA	Sunny	Calm	4.2	Surface	0.4	213	20.4		8.0		28.2		95.7		7.3		4.2		0.012		
06-04-22	Mid-Ebb	CEA	Sunny	Calm	4.2	Surface	0.4	209	20.4		8.0		28.1		95.7		7.3		4.1		0.018		
06-04-22	Mid-Ebb	CEA	Sunny	Calm	4.2	Middle				20.2	8.0	8.0		28.7		95.1		7.3		5.4		0.010	
06-04-22	Mid-Ebb	CEA	Sunny	Calm	4.2	Middle					8.0												
06-04-22	Mid-Ebb	CEA	Sunny	Calm	4.2	Bottom	0.3	214	20.0		8.0		29.2		94.4		7.2		6.5		0.002		
06-04-22	Mid-Ebb	CEA	Sunny	Calm	4.2	Bottom	0.3	212	20.0		8.0		29.2		94.5		7.2		6.6		0.006		
06-04-22	Mid-Ebb	CF	Sunny	Calm	15.8	Surface	0.9	170	21.4		7.9		26.8		95.0		7.2		2.2		0.022		
06-04-22	Mid-Ebb	CF	Sunny	Calm	15.8	Surface	0.9	165	21.3		8.0		26.9		93.6		7.1		2.4		0.024		
06-04-22	Mid-Ebb	CF	Sunny	Calm	15.8	Middle	0.9	160	19.9		8.0		29.8		85.3		6.5		3.5		0.016		
06-04-22	Mid-Ebb	CF	Sunny	Calm	15.8	Middle	0.9	167	19.9		8.0		29.9		85.3		6.5		3.6		0.010		
06-04-22	Mid-Ebb	CF	Sunny	Calm	15.8	Bottom	0.9	182	19.9		8.0		30.1		85.9		6.6		3.4		0.002		
06-04-22	Mid-Ebb	CF	Sunny	Calm	15.8	Bottom	0.9	177	19.9		8.0		30.1		86.2		6.6		3.5		0.003		
06-04-22	Mid-Ebb	SR3A	Sunny	Calm	7.2	Surface	0.2	217	20.8		7.9		25.8		92.3		7.1		3.2		0.021		
06-04-22	Mid-Ebb	SR3A	Sunny	Calm	7.2	Surface	0.2	220	20.8		7.9		25.8		92.3		7.1		3.2		0.017		
06-04-22	Mid-Ebb	SR3A	Sunny	Calm	7.2	Middle	0.1	226	20.4		8.0		27.0		89.7		6.9		5.1		0.010		
06-04-22	Mid-Ebb	SR3A	Sunny	Calm	7.2	Middle	0.1	221	20.4		8.0		27.0		89.8		6.9		5.2		0.008		
06-04-22	Mid-Ebb	SR3A	Sunny	Calm	7.2	Bottom	0.1	201	20.3		8.0		27.6		91.0		7.0		8.1		0.005		
06-04-22	Mid-Ebb	SR3A	Sunny	Calm	7.2	Bottom	0.1	204	20.3		8.0		27.6		90.7		7.0		8.0		0.002		
06-04-22	Mid-Ebb	SR5A	Sunny	Calm	7.8	Surface	0.3	139	20.6		7.9		26.3		90.4		7.0		3.7		0.019		
06-04-22	Mid-Ebb	SR5A	Sunny	Calm	7.8	Surface	0.3	139	20.5		7.9		26.5		89.9		6.9		4.1		0.017		
06-04-22	Mid-Ebb	SR5A	Sunny	Calm	7.8	Middle	0.3	137	20.3		8.0		27.2		89.3		6.9		6.2		0.011		
06-04-22	Mid-Ebb	SR5A	Sunny	Calm	7.8	Middle	0.3	136	20.3		8.0		27.2		89.5		6.9		6.3		0.007		
06-04-22	Mid-Ebb	SR5A	Sunny	Calm	7.8	Bottom	0.3	129	20.4		8.0		27.6		92.1		7.1		10.1		0.002		
06-04-22	Mid-Ebb	SR5A	Sunny	Calm	7.8	Bottom	0.3	132	20.4		8.0		27.6		91.9		7.1		9.7		0.003		
06-04-22	Mid-Ebb	SR7	Sunny	Calm	16.1	Surface	0.4	177	21.5		8.0		26.8		95.9		7.3		2.2		0.015		
06-04-22	Mid-Ebb	SR7	Sunny	Calm	16.1	Surface	0.4	179	21.5		8.0		26.8		95.7		7.2		2.1		0.011		
06-04-22	Mid-Ebb	SR7	Sunny	Calm	16.1	Middle	0.4	194	19.9		8.0		29.9		85.2		6.5		4.0		0.007		
06-04-22	Mid-Ebb	SR7	Sunny	Calm	16.1	Middle	0.4	192	19.9		8.0		29.9		85.2		6.5		4.0		0.006		
06-04-22	Mid-Ebb	SR7	Sunny	Calm	16.1	Bottom	0.4	156	19.9		8.0		30.0		85.6		6.5		3.5		0.002		
06-04-22	Mid-Ebb	SR7	Sunny	Calm	16.1	Bottom	0.4	153	19.9		8.0		30.0		85.8		6.6		3.5		0.001		
06-04-22	Mid-Ebb	SR14A	Sunny	Calm	4.1	Surface	0.4	229	20.2		8.0		28.7		95.0		7.3		5.4		0.007		
06-04-22	Mid-Ebb	SR14A	Sunny	Calm	4.1	Surface	0.4	222	20.1		8.0		28.8		94.8		7.3		5.6		0.009		
06-04-22	Mid-Ebb	SR14A	Sunny	Calm	4.1	Middle				20.1	8.0	8.0		29.0		94.6		7.3		6.0		0.005	
06-04-22	Mid-Ebb	SR14A	Sunny	Calm	4.1	Middle					8.0												
06-04-22	Mid-Ebb	SR14A	Sunny	Calm	4.1	Bottom	0.4	220	20.0		8.0		29.2		94.3		7.2		6.4		0.003		
06-04-22	Mid-Ebb	SR14A	Sunny	Calm	4.1	Bottom	0.4	225	20.0		8.0		29.2		94.2		7.2		6.4		0.002		
06-04-22	Mid-Flood	CEA	Sunny	Calm	4.4	Surface	0.2	50	20.6		8.0		25.5		95.0		7.4		4.3		0.010		
06-04-22	Mid-Flood	CEA	Sunny	Calm	4.4	Surface	0.2	42	20.5		8.0		25.6		94.6		7.3		5.1		0.009		
06-04-22	Mid-Flood	CEA	Sunny	Calm	4.4	Middle				20.4	8.0	8.0		26.7		94.3		7.3		6.3		0.007	
06-04-22	Mid-Flood	CEA	Sunny	Calm	4.4	Middle					8.0												
06-04-22	Mid-Flood	CEA	Sunny	Calm	4.4	Bottom	0.2	37	20.3		8.0		27.9		93.8		7.2		8.1		0.005		
06-04-22	Mid-Flood	CEA	Sunny	Calm	4.4	Bottom	0.2	33	20.3		8.0		27.9		93.8		7.2		7.8		0.002		
06-04-22	Mid-Flood	CF	Sunny	Calm	14.5	Surface	0.1	250	20.5		7.9		24.9		88.3		6.9		2.8		0.020		
06-04-22	Mid-Flood	CF	Sunny	Calm	14.5	Surface	0.1	256	20.5		7.9		24.5		88.4		6.9		2.9		0.018		
06-04-22	Mid-Flood	CF	Sunny	Calm	14.5	Middle	0.0	224	20.2		7.9		27.6		86.8		6.7		4.7		0.015		
06-04-22	Mid-Flood	CF	Sunny	Calm	14.5	Middle	0.1	221	20.2		7.9		27.6		86.6		6.7		4.8		0.011		
06-04-22	Mid-Flood	CF	Sunny	Calm	14.5	Bottom	0.1	230	20.0		7.9		28.9		85.0		6.5		9.4		0.003		
06-04-22	Mid-Flood	CF	Sunny	Calm	14.5	Bottom	0.1	230	20.0		7.9		28.9		85.0		6.5		9.2		0.006		
06-04-22	Mid-Flood	SR3A	Sunny	Calm	7.4	Surface	0.2	59	20.7		8.0		25.0		95.4		7.4		3.1		0.014		
06-04-22	Mid-Flood	SR3A	Sunny	Calm	7.4	Surface	0.2	53	20.6		8.0		25.3		95.3		7.4		3.7		0.011		
06-04-22	Mid-Flood	SR3A	Sunny	Calm	7.4	Middle	0.2	71	20.4		8.0		26.8		94.1		7.3		7.7		0.008		
06-04-22	Mid-Flood	SR3A	Sunny	Calm	7.4	Middle	0.2	73	20.4		8.0		26.8		93.8		7.2		8.0		0.008		
06-04-22	Mid-Flood	SR3A	Sunny	Calm	7.4	Bottom	0.2	43	20.4		8.0		27.0		93.5		7.2		10.3		0.002		
06-04-22	Mid-Flood	SR3A	Sunny	Calm	7.4	Bottom	0.2	38	20.4		8.0		27.0		93.5		7.2		9.9		0.004		
06-04-22	Mid-Flood	SR5A	Sunny	Calm	7.0	Surface	0.3	341	20.4		7.9		24.3		88.6		6.9		3.2		0.016		
06-04-22	Mid-Flood	SR5A	Sunny	Calm	7.0	Surface	0.4	339	20.4		7.9		24.6		88.3		6.9		3.2		0.018		
06-04-22	Mid-Flood	SR5A	Sunny	Calm	7.0	Middle	0.3	332	20.4		7.9		26.0		88.3		6.8		3.2		0.006		
06-04-22	Mid-Flood	SR5A	Sunny	Calm	7.0	Middle	0.3	336	20.4		7.9		25.8		88.5		6.9		3.1		0.004		
06-04-22	Mid-Flood	SR5A	Sunny	Calm	7.0	Bottom	0.3	348	20.3		7.9		26.8		88.4		6.8		4.3		0.002		
06-04-22	Mid-Flood	SR5A	Sunny	Calm	7.0	Bottom	0.3	352	20.3		7.9		26.8		88.4		6.8		4.3		0.003		
06-04-22	Mid-Flood	SR7	Sunny	Calm	13.6	Surface	0.2	328	20.6		7.9		23.7		89.2		7.0		3.0		0.012		
06-04-22	Mid-Flood	SR7	Sunny	Calm	13.6	Surface	0.1	322	20.4		7.9		24.1		88.1		6.9		3.2		0.015		
06-04-22	Mid-Flood	SR7	Sunny	Calm	13.6	Middle	0.2	320	20.2		7.9												

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea	Water	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
			Condition	Condition	Depth (m)				Value	Depth-averaged					Value	Depth-averaged		Value	Depth-averaged	Value	Depth-averaged	Value
14-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Surface	0.3	212	23.2		8.2		23.1		118.8		8.9		2.1		0.012	
14-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Surface	0.3	205	23.2		8.2		23.1		117.6		8.8		2.2		0.011	
14-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Middle				23.4	8.2	8.2		24.2		114.8		8.8		3.1		0.013
14-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Middle					8.2						8.2	8.2	4.0		0.014	
14-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Bottom	0.3	236	23.5		8.2		25.5		111.3		8.2		4.1		0.015	
14-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Bottom	0.3	233	23.6		8.2		25.3		111.6		8.2		4.1		0.011	
14-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Surface	0.1	159	23.6		8.2		23.0		118.6		8.8		1.0		0.018	
14-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Surface	0.1	156	23.5		8.2		23.0		118.5		8.8		1.1		0.016	
14-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Middle	0.1	148	22.4	22.7	8.2	8.2	27.3	26.5	107.3	109.1	8.0	8.4	1.7	1.8	0.003	0.010
14-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Middle	0.1	145	22.4		8.2		27.2		107.3		8.0		1.6		0.004	
14-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Bottom	0.1	124	22.0		8.1		29.3		101.4		7.5	7.5	2.6		0.010	
14-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Bottom	0.1	117	22.1		8.1		29.3		101.5		7.5		2.9		0.011	
14-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Surface	0.1	203	23.4		8.2		23.0		120.3		9.0		1.4		0.004	
14-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Surface	0.1	206	23.4		8.2		23.0		120.2		9.0		1.5		0.005	
14-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Middle	0.1	224	23.2	23.3	8.2	8.2	23.1	23.5	118.7	117.5	8.9	8.9	2.5	2.6	0.007	0.008
14-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Middle	0.1	217	23.2		8.2		23.1		117.9		8.8		2.5		0.008	
14-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Bottom	0.1	211	23.3		8.2		24.5		114.0		8.4	8.4	4.0		0.010	
14-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Bottom	0.1	215	23.4		8.2		24.4		114.1		8.4		3.9		0.011	
14-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Surface	0.3	136	22.8		8.2		23.4		117.9		8.9		1.0		0.017	
14-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Surface	0.3	132	22.8		8.2		23.4		117.6		8.9		1.0		0.018	
14-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Middle	0.3	142	22.4	22.4	8.2	8.1	26.2	26.0	109.0	112.3	8.1	8.5	1.9	1.7	0.012	0.014
14-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Middle	0.3	135	22.3		8.1		26.2		109.9		8.1		1.8		0.013	
14-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Bottom	0.3	158	22.1		8.1		28.5		109.9		8.1		2.2		0.010	
14-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Bottom	0.3	160	22.1		8.1		28.3		110.6		8.2	8.2	2.3		0.011	
14-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Surface	0.1	138	23.0		8.2		23.2		117.6		8.8		1.0		0.011	
14-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Surface	0.2	132	22.9		8.2		23.3		117.2		8.8		1.1		0.012	
14-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Middle	0.1	158	22.5	22.5	8.1	8.1	26.7	26.3	107.3	110.8	8.0	8.4	2.1	2.1	0.009	0.008
14-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Middle	0.1	163	22.5		8.1		26.8		107.2		8.0		2.2		0.010	
14-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Bottom	0.1	147	22.0		8.1		29.0		107.6		7.9	8.0	3.0		0.004	
14-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Bottom	0.1	140	22.1		8.1		28.9		108.0		8.0		3.1		0.003	
14-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Surface	0.3	215	23.3		8.2		23.1		119.2		8.9		3.1		0.008	
14-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Surface	0.3	208	23.3		8.2		23.1		118.3		8.8		3.1		0.009	
14-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Middle				23.5	8.2	8.2		24.0		116.1		8.9		3.1		0.008
14-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Middle					8.2						8.3		4.3		0.007	
14-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Bottom	0.4	217	23.6		8.2		25.0		113.3		8.3	8.3	4.6		0.008	
14-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Bottom	0.4	223	23.7		8.2		24.8		113.5		8.4		4.6		0.008	
14-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Surface	0.1	30	23.6		8.2		23.6		118.6		8.8		2.4		0.008	
14-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Surface	0.2	26	23.6		8.2		23.7		118.1		8.7		2.3		0.009	
14-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Middle				23.8	8.2	8.2		23.7		115.9		8.8		2.9		0.006
14-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Middle					8.2						8.3		3.5		0.002	
14-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Bottom	0.2	52	23.9		8.2		23.9		113.4		8.4	8.4	3.6		0.003	
14-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Bottom	0.1	45	24.0		8.2		23.4		113.4		8.4		3.6		0.003	
14-04-22	Mid-Flood	CF	Fine	Calm	15.0	Surface	0.2	340	23.6		8.2		22.9		116.7		8.7		1.0		0.001	
14-04-22	Mid-Flood	CF	Fine	Calm	15.0	Surface	0.2	342	23.6		8.2		22.9		116.5		8.7		1.0		0.002	
14-04-22	Mid-Flood	CF	Fine	Calm	15.0	Middle	0.2	339	22.2	22.6	8.2	8.1	26.3	26.2	107.4	108.0	8.0	8.3	1.1	1.4	0.010	0.006
14-04-22	Mid-Flood	CF	Fine	Calm	15.0	Middle	0.2	339	22.1		8.2		26.4		106.6		8.0		1.1		0.011	
14-04-22	Mid-Flood	CF	Fine	Calm	15.0	Bottom	0.2	350	21.9		8.0		29.2		99.9		7.4	7.4	2.1		0.005	
14-04-22	Mid-Flood	CF	Fine	Calm	15.0	Bottom	0.2	351	21.9		8.0		29.2		100.8		7.5		2.1		0.006	
14-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Surface	0.1	39	22.6		8.1		25.9		110.9		8.3		1.5		0.010	
14-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Surface	0.1	35	22.6		8.1		25.9		110.9		8.3		1.5		0.011	
14-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Middle	0.1	36	22.3	22.4	8.1	8.1	26.4	26.4	109.6	107.8	8.2	8.2	2.0	2.3	0.010	0.009
14-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Middle	0.1	33	22.3		8.1		26.4		109.0		8.1		2.1		0.009	
14-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Bottom	0.2	74	22.2		8.1		26.9		103.6		7.7	7.7	3.3		0.007	
14-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Bottom	0.2	72	22.1		8.1		27.0		102.7		7.7		3.3		0.008	
14-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Surface	0.2	327	23.4		8.2		23.7		120.0		8.9		1.6		0.014	
14-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Surface	0.2	322	23.3		8.2		23.9		119.7		8.9		1.7		0.015	
14-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Middle	0.3	336	23.3	23.4	8.2	8.2	24.2	24.3	114.7	116.0	8.5	8.7	2.1	2.0	0.007	0.010
14-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Middle	0.3	343	23.3		8.2		24.3		114.3		8.5		2.1		0.007	
14-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Bottom	0.3	358	23.4		8.2		25.0		113.7		8.4	8.4	2.4		0.008	
14-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Bottom	0.3	351	23.4		8.2		24.9		113.8		8.4		2.3		0.010	
14-04-22	Mid-Flood	SR7	Fine	Calm	16.4	Surface	0.3	354	23.0		8.2		23.4		118.2		8.9		1.8		0.002	

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged					Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
20-04-22	Mid-Ebb	CEA	Cloudy	Calm	4.3	Surface	0.3	204	22.5		8.1		28.5		100.5		7.4		9.9		0.009	
20-04-22	Mid-Ebb	CEA	Cloudy	Calm	4.3	Surface	0.3	206	22.5		8.1		28.4		100.5		7.4		12.3		0.015	
20-04-22	Mid-Ebb	CEA	Cloudy	Calm	4.3	Middle				22.3	8.1			29.0	99.9					10.2		0.008
20-04-22	Mid-Ebb	CEA	Cloudy	Calm	4.3	Middle					8.1						99.2		9.3		0.005	
20-04-22	Mid-Ebb	CEA	Cloudy	Calm	4.3	Bottom	0.3	225	22.1		8.1		29.6		99.3		7.3	7.3	9.4		0.003	
20-04-22	Mid-Ebb	CF	Cloudy	Moderate	15.1	Surface	0.7	176	22.4		8.1		27.2		97.4		7.2		8.2		0.019	
20-04-22	Mid-Ebb	CF	Cloudy	Moderate	15.1	Surface	0.6	171	22.4		8.1		27.3		97.4		7.2		9.3		0.023	
20-04-22	Mid-Ebb	CF	Cloudy	Moderate	15.1	Middle	0.7	172	22.1	22.2	8.1		30.2	29.3	91.2		6.4	6.8	9.4	8.9	0.013	0.011
20-04-22	Mid-Ebb	CF	Cloudy	Moderate	15.1	Middle	0.8	172	22.1		8.1		30.2		87.7		6.4		9.2		0.007	
20-04-22	Mid-Ebb	CF	Cloudy	Moderate	15.1	Bottom	0.7	181	22.0		8.1		30.5		88.3		6.5	6.5	9.2		0.002	
20-04-22	Mid-Ebb	CF	Cloudy	Moderate	15.1	Bottom	0.7	188	22.0		8.1		30.4		88.6		6.5	6.5	8.0		0.003	
20-04-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.1	Surface	0.2	227	22.9		8.1		26.2		97.1		7.2		9.6		0.018	
20-04-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.1	Surface	0.2	227	22.9		8.1		26.2		97.1		7.2		9.6		0.014	
20-04-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.1	Middle	0.2	249	22.5	22.6	8.1		27.3	27.1	95.8		7.0	7.1	10.9	10.6	0.007	0.008
20-04-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.1	Middle	0.2	252	22.5		8.1		27.3		94.6		7.0		10.8		0.005	
20-04-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.1	Bottom	0.2	248	22.4		8.1		27.9		95.8		7.1	7.1	11.8		0.002	
20-04-22	Mid-Ebb	SR3A	Cloudy	Moderate	7.1	Bottom	0.2	248	22.4		8.1		27.9		95.5		7.1	7.1	11.2		0.003	
20-04-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Surface	0.4	149	22.7		8.1		26.6		92.8		6.9		9.8		0.016	
20-04-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Surface	0.5	147	22.6		8.1		26.9		92.3		6.8		12.0		0.014	
20-04-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Middle	0.4	132	22.4	22.5	8.1		27.6	27.4	92.9		6.8	6.8	12.0	10.9	0.008	0.008
20-04-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Middle	0.4	133	22.4		8.1		27.6		91.9		6.8		11.9		0.004	
20-04-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Bottom	0.4	145	22.5		8.1		28.0		94.5		7.0	7.0	10.5		0.002	
20-04-22	Mid-Ebb	SR5A	Cloudy	Moderate	7.2	Bottom	0.4	148	22.5		8.1		28.0		94.3		7.0	7.0	9.0		0.003	
20-04-22	Mid-Ebb	SR7	Cloudy	Moderate	15.3	Surface	0.4	156	22.6		8.1		27.2		98.3		7.3		7.8		0.012	
20-04-22	Mid-Ebb	SR7	Cloudy	Moderate	15.3	Surface	0.4	161	22.6		8.1		27.2		98.1		7.3		9.8		0.006	
20-04-22	Mid-Ebb	SR7	Cloudy	Moderate	15.3	Middle	0.4	188	22.0	22.2	8.1		30.2	29.3	91.3		6.8	6.8	9.7	9.2	0.004	0.005
20-04-22	Mid-Ebb	SR7	Cloudy	Moderate	15.3	Middle	0.5	186	22.0		8.1		30.2		87.6		6.4		9.2		0.003	
20-04-22	Mid-Ebb	SR7	Cloudy	Moderate	15.3	Bottom	0.5	183	22.0		8.1		30.4		88.0		6.5	6.5	9.3		0.001	
20-04-22	Mid-Ebb	SR7	Cloudy	Moderate	15.3	Bottom	0.5	178	22.0		8.1		30.4		88.2		6.5	6.5	9.5		0.002	
20-04-22	Mid-Ebb	SR14A	Cloudy	Calm	4.5	Surface	0.3	229	22.3		8.1		29.0		99.8		7.4		11.4		0.007	
20-04-22	Mid-Ebb	SR14A	Cloudy	Calm	4.5	Surface	0.2	224	22.2		8.1		29.2		99.6		7.3		12.1		0.006	
20-04-22	Mid-Ebb	SR14A	Cloudy	Calm	4.5	Middle				22.2	8.1			29.3	99.4		7.3	7.3		11.4		0.005
20-04-22	Mid-Ebb	SR14A	Cloudy	Calm	4.5	Middle					8.1						7.3		12.2		0.003	
20-04-22	Mid-Ebb	SR14A	Cloudy	Calm	4.5	Bottom	0.3	200	22.1		8.1		29.5		99.1		7.3	7.3	10.0		0.005	
20-04-22	Mid-Ebb	SR14A	Cloudy	Calm	4.5	Bottom	0.3	199	22.1		8.1		29.5		99.0		7.3	7.3	10.0		0.005	
20-04-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Surface	0.4	55	22.8		8.1		26.7		99.8		7.4		7.2		0.012	
20-04-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Surface	0.3	48	22.7		8.1		26.8		99.4		7.4		8.0		0.011	
20-04-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Middle				22.6	8.1			27.9	99.1		7.4	7.4		9.2		0.009
20-04-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Middle					8.1						7.2		10.9		0.007	
20-04-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Bottom	0.3	30	22.5		8.1		29.1		98.6		7.2	7.2	10.7		0.004	
20-04-22	Mid-Flood	CEA	Cloudy	Calm	4.3	Bottom	0.3	33	22.5		8.1		29.1		98.6		7.2	7.2	10.7		0.004	
20-04-22	Mid-Flood	CF	Cloudy	Rough	14.2	Surface	0.0	291	22.7		8.0		26.1		90.7		6.7		5.7		0.018	
20-04-22	Mid-Flood	CF	Cloudy	Rough	14.2	Surface	0.1	287	22.7		8.0		25.7		90.8		6.8		5.8		0.016	
20-04-22	Mid-Flood	CF	Cloudy	Rough	14.2	Middle	0.1	280	22.4	22.4	8.0		28.8	28.0	89.1		6.6	6.7	7.6	8.5	0.011	0.012
20-04-22	Mid-Flood	CF	Cloudy	Rough	14.2	Middle	0.1	284	22.4		8.0		28.8		89.0		6.6		7.7		0.013	
20-04-22	Mid-Flood	CF	Cloudy	Rough	14.2	Bottom	0.0	268	22.1		8.0		29.2		87.4		6.5	6.5	12.3		0.005	
20-04-22	Mid-Flood	CF	Cloudy	Rough	14.2	Bottom	0.0	264	22.1		8.0		29.2		87.4		6.5	6.5	12.0		0.008	
20-04-22	Mid-Flood	SR3A	Cloudy	Moderate	7.1	Surface	0.2	41	22.9		8.1		26.2		100.2		7.4		5.9		0.016	
20-04-22	Mid-Flood	SR3A	Cloudy	Moderate	7.1	Surface	0.2	37	22.8		8.1		26.5		100.1		7.4		6.6		0.013	
20-04-22	Mid-Flood	SR3A	Cloudy	Moderate	7.1	Middle	0.2	41	22.6	22.7	8.1		28.0	27.5	99.1		7.3	7.3	10.6	10.0	0.010	0.010
20-04-22	Mid-Flood	SR3A	Cloudy	Moderate	7.1	Middle	0.2	46	22.6		8.1		28.0		98.6		7.3		10.9		0.010	
20-04-22	Mid-Flood	SR3A	Cloudy	Moderate	7.1	Bottom	0.2	48	22.6		8.1		28.2		98.3		7.2	7.2	13.2		0.004	
20-04-22	Mid-Flood	SR3A	Cloudy	Moderate	7.1	Bottom	0.2	46	22.6		8.1		28.2		98.3		7.2	7.2	12.8		0.006	
20-04-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Surface	0.4	323	22.6		8.0		25.5		93.4		7.0		6.1		0.017	
20-04-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Surface	0.3	315	22.6		8.0		25.8		93.1		7.0		6.1		0.013	
20-04-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Middle	0.4	333	22.6	22.6	8.0		27.2	26.9	93.2		6.9	6.9	6.1	6.4	0.008	0.009
20-04-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Middle	0.4	336	22.6		8.0		27.0		93.3		6.9		6.0		0.006	
20-04-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Bottom	0.4	330	22.5		8.0		28.0		93.2		6.9	6.9	7.2		0.004	
20-04-22	Mid-Flood	SR5A	Cloudy	Moderate	6.8	Bottom	0.4	329	22.5		8.0		28.0		93.2		6.9	6.9	7.2		0.005	
20-04-22	Mid-Flood	SR7	Cloudy	Rough	13.2	Surface	0.2	341	22.8		8.0		24.9		91.6		6.9		5.9		0.014	
20-04-22	Mid-Flood	SR7	Cloudy	Rough	13.2	Surface	0.3	334	22.6		8.0		25.3		90.5							

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea	Water	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
			Condition	Condition	Depth (m)				Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
27-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Surface	0.2	238	25.4		8.0		26.8		103.9		7.3		2.2		0.012	
27-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Surface	0.2	236	25.4		8.0		26.8		103.9		7.3		2.3		0.011	
27-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Middle				25.4	8.0			26.9	103.9	103.9	7.3	7.3	3.2		0.013	
27-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Middle					8.0						7.3	7.3	4.2		0.014	
27-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Bottom	0.2	217	25.4		8.0		26.9		103.9		7.3		4.2		0.015	
27-04-22	Mid-Ebb	CEA	Fine	Calm	4.4	Bottom	0.2	217	25.4		8.0		26.9		103.9		7.3		4.2		0.015	
27-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Surface	0.4	181	25.3		8.0		26.6		102.8		7.3		1.1		0.018	
27-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Surface	0.5	188	25.3		8.0		26.6		102.2		7.2		1.2		0.016	
27-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Middle	0.4	172	23.8	24.3	8.0		30.1		97.1	99.1	6.9	7.1	1.8	1.9	0.003	0.010
27-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Middle	0.4	175	23.8		8.0		30.1		97.1		6.9		1.7		0.004	
27-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Bottom	0.5	154	23.8		8.0		30.3		97.6		6.9	6.9	2.8		0.010	
27-04-22	Mid-Ebb	CF	Fine	Calm	15.2	Bottom	0.4	157	23.8		8.0		30.2		97.8		7.0	7.0	3.0		0.011	
27-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Surface	0.0	235	25.0		8.0		26.5		101.8		7.2		1.5		0.004	
27-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Surface	0.0	232	25.1		8.0		26.5		98.0		7.0		1.6		0.005	
27-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Middle	0.0	210	25.1	25.1	8.0		26.4		96.8	98.1	6.9	7.0	2.6	2.8	0.007	0.008
27-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Middle	0.1	209	25.1		8.0		26.4		95.6		6.8		2.7		0.008	
27-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Bottom	0.1	238	25.2		8.0		26.3		97.0		6.9	7.0	4.1		0.010	
27-04-22	Mid-Ebb	SR3A	Fine	Calm	7.0	Bottom	0.1	242	25.2		8.0		26.3		99.2		7.0		4.1		0.011	
27-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Surface	0.3	139	24.6		8.0		27.9		99.9		7.1		1.2		0.017	
27-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Surface	0.3	135	24.6		8.0		27.9		99.7		7.1		1.2		0.018	
27-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Middle	0.2	156	24.6	24.6	8.0		27.8		98.8	99.6	7.0	7.1	2.0	1.8	0.012	0.014
27-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Middle	0.3	163	24.6		8.0		27.8		96.7		7.0		2.0		0.010	
27-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Bottom	0.3	161	24.7		8.0		27.7		100.2		7.1	7.1	2.3		0.010	
27-04-22	Mid-Ebb	SR5A	Fine	Calm	7.6	Bottom	0.2	153	24.7		8.0		27.7		100.3		7.1		2.4		0.011	
27-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Surface	0.4	188	26.2		8.1		22.1		113.8		8.1		1.2		0.011	
27-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Surface	0.4	189	26.2		8.1		22.1		113.8		8.1		1.2		0.012	
27-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Middle	0.3	172	25.1	25.5	8.1		25.3		106.4	109.3	7.6	7.9	2.2	2.2	0.009	0.008
27-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Middle	0.4	170	25.2		8.1		25.3		106.5		7.6		2.3		0.010	
27-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Bottom	0.4	155	25.2		8.1		25.3		107.5		7.7	7.7	3.1		0.004	
27-04-22	Mid-Ebb	SR7	Fine	Calm	14.2	Bottom	0.4	147	25.2		8.1		25.2		107.9		7.7		3.2		0.003	
27-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Surface	0.2	233	25.7		8.0		27.3		106.9		7.5		3.2		0.008	
27-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Surface	0.2	234	25.7		8.0		27.4		107.1		7.5		3.2		0.009	
27-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Middle				25.7	8.0			27.4	107.2	107.2	7.5	7.5	3.8		0.008	
27-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Middle					8.0						7.5		4.5		0.007	
27-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Bottom	0.1	207	25.7		8.0		27.4		107.3		7.5	7.5	4.4		0.008	
27-04-22	Mid-Ebb	SR14A	Fine	Calm	4.4	Bottom	0.2	207	25.7		8.0		27.4		107.5		7.5		4.4		0.008	
27-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Surface	0.0	22	25.5		8.1		27.1		106.9		7.5		2.5		0.008	
27-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Surface	0.0	24	25.5		8.1		27.1		106.8		7.5		2.4		0.009	
27-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Middle				25.6	8.1			27.0	107.0	107.0	7.5	7.5	3.1		0.006	
27-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Middle					8.1						7.5		2.4		0.009	
27-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Bottom	0.1	44	25.6		8.1		27.0		107.1		7.5	7.5	3.7		0.002	
27-04-22	Mid-Flood	CEA	Fine	Calm	4.2	Bottom	0.1	39	25.7		8.1		26.9		107.3		7.5		3.7		0.003	
27-04-22	Mid-Flood	CF	Fine	Calm	15.0	Surface	0.1	326	25.4		8.0		27.0		108.0		7.6		1.2		0.001	
27-04-22	Mid-Flood	CF	Fine	Calm	15.0	Surface	0.2	331	25.4		8.0		27.0		108.0		7.6		1.2		0.002	
27-04-22	Mid-Flood	CF	Fine	Calm	15.0	Middle	0.2	350	25.4	25.5	8.0		27.0		107.7	106.6	7.6	7.6	1.3	1.6	0.010	0.006
27-04-22	Mid-Flood	CF	Fine	Calm	15.0	Middle	0.2	344	25.4		8.0		27.1		107.3		7.6		1.3		0.011	
27-04-22	Mid-Flood	CF	Fine	Calm	15.0	Bottom	0.2	318	25.5		8.0		28.8		104.2		7.3	7.3	2.3		0.005	
27-04-22	Mid-Flood	CF	Fine	Calm	15.0	Bottom	0.2	313	25.6		8.0		28.3		104.1		7.3		2.2		0.006	
27-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Surface	0.2	53	25.7		8.0		26.9		107.8		7.6		1.6		0.010	
27-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Surface	0.2	55	25.7		8.0		26.9		107.8		7.6		1.6		0.011	
27-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Middle	0.1	67	24.1	24.7	8.1		30.3		104.6	105.8	7.4	7.5	2.1	2.4	0.010	0.009
27-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Middle	0.1	62	24.1		8.1		30.3		104.7		7.4		2.2		0.009	
27-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Bottom	0.1	37	24.2		8.1		30.2		105.0		7.4	7.4	3.4		0.007	
27-04-22	Mid-Flood	SR3A	Fine	Calm	7.0	Bottom	0.1	34	24.2		8.1		30.2		105.1		7.4		3.5		0.008	
27-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Surface	0.1	350	25.2		8.0		27.8		107.6		7.6		1.8		0.014	
27-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Surface	0.2	344	25.2		8.0		27.9		107.4		7.6		1.8		0.015	
27-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Middle	0.1	343	24.9	24.8	8.0		28.5		106.8	106.4	7.5	7.5	2.2	2.2	0.007	0.010
27-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Middle	0.1	347	24.7		8.1		28.8		106.4		7.5		2.3		0.007	
27-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Bottom	0.2	330	24.3		8.1		29.8		105.8		7.5	7.4	2.5		0.008	
27-04-22	Mid-Flood	SR5A	Fine	Calm	7.6	Bottom	0.2	336	24.5		8.0		29.6		104.1		7.2		2.5		0.010	
27-04-22	Mid-Flood	SR7	Fine	Calm	16.4	Surface	0.2	342	25.6		8.0		27.0		107.4		7.5		1.9		0.002	
27-04-22	Mid-Flood	SR7	Fine	Calm	16.4</																	

Date (yyyy-mm-dd)	Tide	Station	Weather	Sea	Water	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
			Condition	Condition	Depth (m)				Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
04-05-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Surface	0.3	219	23.7		8.1		29.7		119.4		8.5		3.0		0.014	
04-05-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Surface	0.3	213	23.7		8.1		29.7		119.3		8.5		3.0		0.013	
04-05-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Middle				23.8	8.1											
04-05-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Middle					8.1											
04-05-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Bottom	0.4	205	23.8		8.1		29.5		119.6		8.5	8.5	4.2		0.006	
04-05-22	Mid-Ebb	CEA	Fine	Moderate	4.1	Bottom	0.3	211	23.9		8.1		29.4		119.8		8.5	8.5	4.2		0.007	
04-05-22	Mid-Ebb	CF	Fine	Moderate	14.8	Surface	0.8	163	23.6		8.0		29.6		120.5		8.6	8.6	2.2		0.015	
04-05-22	Mid-Ebb	CF	Fine	Moderate	14.8	Surface	0.8	169	23.6		8.0		29.6		120.5		8.6	8.6	2.2		0.018	
04-05-22	Mid-Ebb	CF	Fine	Moderate	14.8	Middle	0.8	178	23.6	23.7	8.0		29.6	30.1	120.2	119.1	8.6	8.6	2.3	2.6	0.005	0.008
04-05-22	Mid-Ebb	CF	Fine	Moderate	14.8	Middle	0.9	181	23.6		8.0		29.6		119.8		8.5	8.5	2.3		0.006	
04-05-22	Mid-Ebb	CF	Fine	Moderate	14.8	Bottom	0.8	160	23.7		8.0		31.3		116.7		8.2	8.2	3.3		0.002	
04-05-22	Mid-Ebb	CF	Fine	Moderate	14.8	Bottom	0.9	157	23.8		8.0		30.9		116.6		8.2	8.2	3.3		0.003	
04-05-22	Mid-Ebb	SR3A	Fine	Moderate	7.2	Surface	0.1	223	23.9		8.1		29.4		120.3		8.5	8.5	2.2		0.006	
04-05-22	Mid-Ebb	SR3A	Fine	Moderate	7.2	Surface	0.1	229	23.9		8.1		29.4		120.3		8.5	8.5	2.2		0.007	
04-05-22	Mid-Ebb	SR3A	Fine	Moderate	7.2	Middle	0.1	230	22.3	22.9	8.1		32.8	31.6	117.1	118.3	8.4	8.4	2.7	2.9	0.009	0.008
04-05-22	Mid-Ebb	SR3A	Fine	Moderate	7.2	Middle	0.1	225	22.3		8.1		32.8		117.2		8.4	8.4	2.7		0.010	
04-05-22	Mid-Ebb	SR3A	Fine	Moderate	7.2	Bottom	0.2	234	22.4		8.1		32.7		117.5		8.4	8.4	4.0		0.009	
04-05-22	Mid-Ebb	SR3A	Fine	Moderate	7.2	Bottom	0.2	235	22.4		8.1		32.7		117.6		8.4	8.4	4.0		0.005	
04-05-22	Mid-Ebb	SR5A	Fine	Moderate	7.5	Surface	0.3	143	23.4		8.1		30.4		120.1		8.5	8.5	2.8		0.014	
04-05-22	Mid-Ebb	SR5A	Fine	Moderate	7.5	Surface	0.4	144	23.4		8.1		30.5		119.9		8.5	8.5	2.8		0.016	
04-05-22	Mid-Ebb	SR5A	Fine	Moderate	7.5	Middle	0.3	143	23.1	23.0	8.1		31.0	31.3	119.3	118.9	8.5	8.5	3.3	3.2	0.008	0.010
04-05-22	Mid-Ebb	SR5A	Fine	Moderate	7.5	Middle	0.3	140	22.9		8.1		31.4		118.9		8.5	8.5	3.3		0.009	
04-05-22	Mid-Ebb	SR5A	Fine	Moderate	7.5	Bottom	0.3	135	22.5		8.1		32.4		118.3		8.5	8.5	3.5		0.005	
04-05-22	Mid-Ebb	SR5A	Fine	Moderate	7.5	Bottom	0.3	134	22.7		8.1		32.1		116.6		8.3	8.3	3.5		0.006	
04-05-22	Mid-Ebb	SR7	Fine	Moderate	16.1	Surface	0.8	189	23.8		8.1		29.6		119.9		8.5	8.5	3.0		0.013	
04-05-22	Mid-Ebb	SR7	Fine	Moderate	16.1	Surface	0.7	191	23.7		8.1		29.6		119.7		8.5	8.5	3.0		0.014	
04-05-22	Mid-Ebb	SR7	Fine	Moderate	16.1	Middle	0.7	182	22.4	22.8	8.1	8.1	32.6	31.7	117.0	118.1	8.4	8.4	3.3	3.5	0.011	0.010
04-05-22	Mid-Ebb	SR7	Fine	Moderate	16.1	Middle	0.7	176	22.3		8.1		32.8		117.0		8.4	8.4	3.3		0.012	
04-05-22	Mid-Ebb	SR7	Fine	Moderate	16.1	Bottom	0.8	182	22.3		8.1		33.0		117.4		8.4	8.4	4.2		0.006	
04-05-22	Mid-Ebb	SR7	Fine	Moderate	16.1	Bottom	0.9	174	22.3		8.1		33.0		117.4		8.4	8.4	4.2		0.005	
04-05-22	Mid-Ebb	SR14A	Fine	Moderate	4.3	Surface	0.4	201	23.7		8.1		29.8		120.0		8.5	8.5	4.7		0.007	
04-05-22	Mid-Ebb	SR14A	Fine	Moderate	4.3	Surface	0.5	194	23.7		8.1		29.9		119.9		8.5	8.5	4.7		0.008	
04-05-22	Mid-Ebb	SR14A	Fine	Moderate	4.3	Middle				23.8	8.1											
04-05-22	Mid-Ebb	SR14A	Fine	Moderate	4.3	Middle					8.1											
04-05-22	Mid-Ebb	SR14A	Fine	Moderate	4.3	Bottom	0.4	194	23.8		8.1		30.3		120.0		8.5	8.5	6.0		0.009	
04-05-22	Mid-Ebb	SR14A	Fine	Moderate	4.3	Bottom	0.5	187	23.8		8.1		30.1		120.2		8.5	8.5	5.9		0.005	
04-05-22	Mid-Flood	CEA	Fine	Moderate	4.5	Surface	0.3	29	23.8		8.0		29.4		104.4		7.4	7.4	2.8		0.011	
04-05-22	Mid-Flood	CEA	Fine	Moderate	4.5	Surface	0.3	31	23.8		8.0		29.4		104.4		7.4	7.4	2.8		0.009	
04-05-22	Mid-Flood	CEA	Fine	Moderate	4.5	Middle				23.8	8.0											
04-05-22	Mid-Flood	CEA	Fine	Moderate	4.5	Middle					8.0											
04-05-22	Mid-Flood	CEA	Fine	Moderate	4.5	Bottom	0.3	52	23.8		8.0		29.4		104.4		7.4	7.4	4.7		0.005	
04-05-22	Mid-Flood	CEA	Fine	Moderate	4.5	Bottom	0.3	53	23.8		8.0		29.4		104.4		7.4	7.4	4.7		0.002	
04-05-22	Mid-Flood	CF	Fine	Moderate	15.5	Surface	0.1	333	24.5		8.0		29.2		103.3		7.3	7.3	1.7		0.008	
04-05-22	Mid-Flood	CF	Fine	Moderate	15.5	Surface	0.2	340	24.5		8.0		29.2		102.7		7.2	7.2	1.7		0.005	
04-05-22	Mid-Flood	CF	Fine	Moderate	15.5	Middle	0.2	319	23.0	23.5	8.0	8.0	32.6	31.5	97.6	99.6	6.9	7.1	2.3	2.5	0.004	0.005
04-05-22	Mid-Flood	CF	Fine	Moderate	15.5	Middle	0.1	320	23.0		8.0		32.6		97.6		6.9	6.9	2.3		0.006	
04-05-22	Mid-Flood	CF	Fine	Moderate	15.5	Bottom	0.1	304	23.0		8.0		32.8		98.1		6.9	6.9	3.3		0.001	
04-05-22	Mid-Flood	CF	Fine	Moderate	15.5	Bottom	0.2	297	23.0		8.0		32.8		98.3		7.0	7.0	3.6		0.003	
04-05-22	Mid-Flood	SR3A	Fine	Moderate	6.8	Surface	0.0	55	23.4		8.0		29.0		102.3		7.3	7.3	2.1		0.015	
04-05-22	Mid-Flood	SR3A	Fine	Moderate	6.8	Surface	0.0	59	23.5		8.0		29.0		98.5		7.1	7.1	2.1		0.016	
04-05-22	Mid-Flood	SR3A	Fine	Moderate	6.8	Middle	0.1	63	23.5	23.5	8.0	8.0	29.0	28.9	97.3	98.6	7.0	7.1	3.2	3.3	0.010	0.011
04-05-22	Mid-Flood	SR3A	Fine	Moderate	6.8	Middle	0.1	66	23.5		8.0		29.0		96.1		6.9	6.9	3.2		0.012	
04-05-22	Mid-Flood	SR3A	Fine	Moderate	6.8	Bottom	0.1	77	23.6		8.0		28.8		97.5		7.0	7.1	4.6		0.005	
04-05-22	Mid-Flood	SR3A	Fine	Moderate	6.8	Bottom	0.2	83	23.6		8.0		28.8		99.7		7.1	7.1	4.6		0.005	
04-05-22	Mid-Flood	SR5A	Fine	Moderate	7.4	Surface	0.2	323	23.8		8.0		30.4		100.4		7.1	7.1	1.7		0.016	
04-05-22	Mid-Flood	SR5A	Fine	Moderate	7.4	Surface	0.2	322	23.8		8.0		30.4		100.2		7.1	7.1	1.7		0.011	
04-05-22	Mid-Flood	SR5A	Fine	Moderate	7.4	Middle	0.2	352	23.8	23.8	8.0	8.0	30.4	30.3	99.3	100.1	7.0	7.1	2.5	2.4	0.004	0.007
04-05-22	Mid-Flood	SR5A	Fine	Moderate	7.4	Middle	0.2	346	23.8		8.0		30.4		99.2		7.0	7.0	2.5		0.007	
04-05-22	Mid-Flood	SR5A	Fine	Moderate	7.4	Bottom	0.1	332	23.9		8.0		30.3		100.7		7.1	7.1	2.8		0.003	
04-05-22	Mid-Flood	SR5A	Fine	Moderate	7.4	Bottom	0.1	329	23.9		8.0		30.2		100.8		7.1	7.1	3.0		0.002	
04-05-22	Mid-Flood	SR7	Fine	Moderate	14.3	Surface	0.3	5	25.4		8.1		24.6		114.3							

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
12-05-22	Mid-Ebb	CEA	Rainy	Moderate	4.1	Surface	0.3	226	25.3		8.0		14.9		87.8		6.6		0.8		0.005	
12-05-22	Mid-Ebb	CEA	Rainy	Moderate	4.1	Surface	0.3	231	25.3		8.0		14.8		87.6		6.6		0.8		0.009	
12-05-22	Mid-Ebb	CEA	Rainy	Moderate	4.1	Middle				25.5	8.0											
12-05-22	Mid-Ebb	CEA	Rainy	Moderate	4.1	Middle																
12-05-22	Mid-Ebb	CEA	Rainy	Moderate	4.1	Bottom	0.4	200	25.7		7.9		20.0		77.8		5.7		3.2		0.002	
12-05-22	Mid-Ebb	CEA	Rainy	Moderate	4.1	Bottom	0.3	194	25.7		7.9		20.0		78.0		5.7		3.3		0.003	
12-05-22	Mid-Ebb	CF	Rainy	Moderate	16.4	Surface	0.3	179	25.1		8.1		16.5		89.6		6.7		1.1		0.011	
12-05-22	Mid-Ebb	CF	Rainy	Moderate	16.4	Surface	0.3	178	25.1		8.1		16.6		89.5		6.7		1.1		0.008	
12-05-22	Mid-Ebb	CF	Rainy	Moderate	16.4	Middle	0.3	157	25.1		8.0		26.3		83.4		5.9		0.9		0.006	
12-05-22	Mid-Ebb	CF	Rainy	Moderate	16.4	Middle	0.3	163	25.1		8.0		26.2		83.4		5.9		0.9		0.007	
12-05-22	Mid-Ebb	CF	Rainy	Moderate	16.4	Bottom	0.3	191	24.8		8.0		29.4		75.7		5.3		12.2		0.002	
12-05-22	Mid-Ebb	CF	Rainy	Moderate	16.4	Bottom	0.3	194	24.8		8.0		29.4		75.8		5.3		13.2		0.002	
12-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.7	Surface	0.1	214	25.4		7.9		14.1		84.6		6.4		4.3		0.015	
12-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.7	Surface	0.1	218	25.4		7.8		14.1		84.6		6.4		4.4		0.013	
12-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.7	Middle	0.1	224	25.5		7.8		17.5		79.1		5.9		3.8		0.008	
12-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.7	Middle	0.1	231	25.5		7.8		17.6		79.0		5.9		4.4		0.006	
12-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.7	Bottom	0.1	252	25.3		7.8		23.2		74.8		5.4		7.9		0.005	
12-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.7	Bottom	0.1	248	25.3		7.8		23.2		75.1		5.4		8.3		0.001	
12-05-22	Mid-Ebb	SR5A	Rainy	Moderate	7.0	Surface	0.3	155	25.2		8.0		16.2		87.2		6.6		1.8		0.012	
12-05-22	Mid-Ebb	SR5A	Rainy	Moderate	7.0	Surface	0.3	152	25.2		8.0		16.2		87.2		6.5		1.8		0.010	
12-05-22	Mid-Ebb	SR5A	Rainy	Moderate	7.0	Middle	0.3	135	25.3		8.0		17.3		84.8		6.3		3.7		0.008	
12-05-22	Mid-Ebb	SR5A	Rainy	Moderate	7.0	Middle	0.3	134	25.3		8.0		17.3		84.4		6.3		3.7		0.009	
12-05-22	Mid-Ebb	SR5A	Rainy	Moderate	7.0	Bottom	0.3	134	25.3		8.0		20.0		82.8		6.1		4.3		0.001	
12-05-22	Mid-Ebb	SR5A	Rainy	Moderate	7.0	Bottom	0.3	136	25.3		8.0		20.1		83.0		6.1		4.5		0.006	
12-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.1	Surface	0.3	163	25.0		8.2		14.9		92.4		7.0		1.7		0.014	
12-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.1	Surface	0.2	156	25.0		8.2		14.9		92.4		7.0		1.7		0.013	
12-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.1	Middle	0.3	152	25.3		8.1		23.4		83.5		6.5		1.2		0.007	
12-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.1	Middle	0.3	157	25.3		8.1		23.4		83.6		6.0		1.3		0.006	
12-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.1	Bottom	0.3	193	25.1		8.1		26.2		84.0		6.0		1.8		0.002	
12-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.1	Bottom	0.3	198	25.1		8.1		26.2		84.0		6.0		1.9		0.003	
12-05-22	Mid-Ebb	SR14A	Rainy	Moderate	4.0	Surface	0.3	221	25.0		7.9		12.4		90.2		6.9		3.0		0.007	
12-05-22	Mid-Ebb	SR14A	Rainy	Moderate	4.0	Surface	0.4	227	25.0		7.9		12.4		89.7		6.9		3.3		0.005	
12-05-22	Mid-Ebb	SR14A	Rainy	Moderate	4.0	Middle				25.3	7.8											
12-05-22	Mid-Ebb	SR14A	Rainy	Moderate	4.0	Middle																
12-05-22	Mid-Ebb	SR14A	Rainy	Moderate	4.0	Bottom	0.4	239	25.6		7.8		20.7		75.5		5.5		4.1		0.002	
12-05-22	Mid-Ebb	SR14A	Rainy	Moderate	4.0	Bottom	0.4	234	25.6		7.8		20.7		76.0		5.5		4.1		0.003	
12-05-22	Mid-Flood	CEA	Rainy	Moderate	4.2	Surface	0.1	43	25.4		8.1		15.8		88.4		6.6		0.5		0.008	
12-05-22	Mid-Flood	CEA	Rainy	Moderate	4.2	Surface	0.1	37	25.4		8.1		15.8		88.4		6.6		0.5		0.010	
12-05-22	Mid-Flood	CEA	Rainy	Moderate	4.2	Middle				25.6	8.0											
12-05-22	Mid-Flood	CEA	Rainy	Moderate	4.2	Middle																
12-05-22	Mid-Flood	CEA	Rainy	Moderate	4.2	Bottom	0.1	17	25.7		8.0		20.0		78.3		5.7		2.8		0.003	
12-05-22	Mid-Flood	CEA	Rainy	Moderate	4.2	Bottom	0.1	22	25.7		8.0		20.0		78.6		5.7		2.9		0.004	
12-05-22	Mid-Flood	CF	Rainy	Moderate	17.0	Surface	0.3	355	25.0		8.2		15.7		89.7		6.8		1.3		0.011	
12-05-22	Mid-Flood	CF	Rainy	Moderate	17.0	Surface	0.3	355	25.1		8.2		15.7		89.6		6.8		1.2		0.009	
12-05-22	Mid-Flood	CF	Rainy	Moderate	17.0	Middle	0.3	335	25.2		8.1		23.8		82.4		5.9		1.8		0.006	
12-05-22	Mid-Flood	CF	Rainy	Moderate	17.0	Middle	0.3	334	25.2		8.1		23.8		82.3		5.9		1.9		0.008	
12-05-22	Mid-Flood	CF	Rainy	Moderate	17.0	Bottom	0.3	7	24.9		8.1		28.7		78.2		5.5		9.3		0.001	
12-05-22	Mid-Flood	CF	Rainy	Moderate	17.0	Bottom	0.3	6	25.0		8.1		28.7		78.4		5.5		9.9		0.003	
12-05-22	Mid-Flood	SR3A	Rainy	Moderate	6.4	Surface	0.1	40	25.3		7.9		14.0		85.0		6.5		5.0		0.012	
12-05-22	Mid-Flood	SR3A	Rainy	Moderate	6.4	Surface	0.1	37	25.3		7.9		14.0		85.0		6.5		5.0		0.014	
12-05-22	Mid-Flood	SR3A	Rainy	Moderate	6.4	Middle	0.1	69	25.4		7.9		15.9		78.6		5.9		6.0		0.008	
12-05-22	Mid-Flood	SR3A	Rainy	Moderate	6.4	Middle	0.2	66	25.4		7.9		15.9		78.5		5.9		6.2		0.007	
12-05-22	Mid-Flood	SR3A	Rainy	Moderate	6.4	Bottom	0.1	68	25.4		7.9		22.2		72.4		5.2		7.9		0.006	
12-05-22	Mid-Flood	SR3A	Rainy	Moderate	6.4	Bottom	0.1	73	25.4		7.8		22.2		72.3		5.2		8.3		0.003	
12-05-22	Mid-Flood	SR5A	Rainy	Moderate	6.4	Surface	0.1	325	25.2		8.0		15.3		88.7		6.7		2.3		0.013	
12-05-22	Mid-Flood	SR5A	Rainy	Moderate	6.4	Surface	0.1	327	25.2		8.0		15.4		88.4		6.7		2.3		0.010	
12-05-22	Mid-Flood	SR5A	Rainy	Moderate	6.4	Middle	0.1	344	25.2		8.0		16.4		86.8		6.5		3.3		0.009	
12-05-22	Mid-Flood	SR5A	Rainy	Moderate	6.4	Middle	0.1	350	25.3		8.0		16.4		86.7		6.5		3.3		0.008	
12-05-22	Mid-Flood	SR5A	Rainy	Moderate	6.4	Bottom	0.1	314	25.3		7.9		20.4		81.5		6.0		3.5		0.002	
12-05-22	Mid-Flood	SR5A	Rainy	Moderate	6.4	Bottom	0.2	319	25.3		7.9		20.3		81.9		6.0		3.7		0.007	
12-05-22	Mid-Flood	SR7	Rainy	Moderate	17.4	Surface	0.2	348	25.0		8.2		15.4		90.9		6.9		1.3		0.015	
12-05-22	Mid-Flood	SR7	Rainy	Moderate	17.4	Surface	0.1	341	25.0		8.2		15.4		90.8		6.9		1.4		0.014	
12-05-22	Mid-Flood	SR7	Rainy	Moderate	17.4	Middle	0.2	322	25.3		8.1		21.1</									

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged
25-05-22	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Surface	0.2	219	25.5		8.0		21.8		98.1		7.1		4.3		0.013	
25-05-22	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Surface	0.2	225	25.5		8.0		21.9		97.0		7.0		4.3		0.012	
25-05-22	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Middle				25.4	8.0			23.9		88.8		7.1		4.6		0.009
25-05-22	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Middle																
25-05-22	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Bottom	0.1	243	25.3		7.9		26.0		80.1		5.7	5.7	5.0		0.005	
25-05-22	Mid-Ebb	CEA	Cloudy	Moderate	3.6	Bottom	0.1	239	25.3		7.9		26.0		80.1		5.7	5.7	5.0		0.006	
25-05-22	Mid-Ebb	CF	Cloudy	Moderate	13.6	Surface	0.4	175	25.2		8.0		22.2		94.4		6.9		5.1		0.015	
25-05-22	Mid-Ebb	CF	Cloudy	Moderate	13.6	Surface	0.4	169	25.2		8.0		22.2		94.2		6.8	6.5	5.1		0.013	
25-05-22	Mid-Ebb	CF	Cloudy	Moderate	13.6	Middle	0.4	166	24.9		8.0		28.9		86.4		6.1		5.1		0.011	
25-05-22	Mid-Ebb	CF	Cloudy	Moderate	13.6	Middle	0.4	170	24.9		8.0		29.1		86.2		6.1		5.2		0.013	
25-05-22	Mid-Ebb	CF	Cloudy	Moderate	13.6	Bottom	0.4	179	24.8		7.9		30.1		80.2		5.6	5.6	6.0		0.003	
25-05-22	Mid-Ebb	CF	Cloudy	Moderate	13.6	Bottom	0.4	184	24.8		7.9		30.1		79.8		5.6	5.9	5.9		0.002	
25-05-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.3	Surface	0.0	248	25.7		8.0		19.8		94.5		6.9		5.4		0.011	
25-05-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.3	Surface	0.1	254	25.7		8.0		19.9		92.3		6.7	6.5	5.4		0.010	
25-05-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.3	Middle	0.1	242	25.4		8.0		22.3		86.0		6.2		7.2		0.008	
25-05-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.3	Middle	0.1	236	25.4		8.0		22.2		85.8		6.2		7.1		0.009	
25-05-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.3	Bottom	0.1	254	25.3		8.0		26.1		80.5		5.7	5.7	7.8		0.004	
25-05-22	Mid-Ebb	SR3A	Cloudy	Moderate	6.3	Bottom	0.0	259	25.3		8.0		26.0		80.3		5.7	5.7	7.8		0.006	
25-05-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Surface	0.1	254	25.4		8.0		24.8		100.0		7.1		4.4		0.015	
25-05-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Surface	0.1	246	25.4		8.0		24.8		100.0		7.1		4.5		0.013	
25-05-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Middle	0.1	262	25.3		8.0		25.8		94.0		6.7	6.9	8.5		0.010	
25-05-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Middle	0.1	254	25.2		8.0		25.8		93.8		6.7		8.6		0.012	
25-05-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Bottom	0.0	255	25.2		8.0		27.6		95.5		6.7		9.1		0.005	
25-05-22	Mid-Ebb	SR5A	Cloudy	Moderate	6.8	Bottom	0.1	255	25.2		8.0		27.5		95.9		6.8	6.7	9.0		0.007	
25-05-22	Mid-Ebb	SR7	Cloudy	Moderate	16.8	Surface	0.6	167	25.3		8.0		18.3		102.7		7.6		4.6		0.016	
25-05-22	Mid-Ebb	SR7	Cloudy	Moderate	16.8	Surface	0.7	193	25.3		8.0		18.3		101.9		7.6		4.5		0.015	
25-05-22	Mid-Ebb	SR7	Cloudy	Moderate	16.8	Middle	0.7	177	25.1		8.0		25.9		88.9		6.3	7.0	6.1		0.011	
25-05-22	Mid-Ebb	SR7	Cloudy	Moderate	16.8	Middle	0.6	176	25.1		8.0		26.0		88.8		6.3		6.1		0.009	
25-05-22	Mid-Ebb	SR7	Cloudy	Moderate	16.8	Bottom	0.7	173	25.0		8.0		28.5		88.3		6.2		7.9		0.004	
25-05-22	Mid-Ebb	SR7	Cloudy	Moderate	16.8	Bottom	0.7	171	25.0		8.0		28.5		88.0		6.2		8.1		0.006	
25-05-22	Mid-Ebb	SR14A	Cloudy	Moderate	3.8	Surface	0.2	235	25.4		8.0		21.5		97.4		7.1		3.1		0.009	
25-05-22	Mid-Ebb	SR14A	Cloudy	Moderate	3.8	Surface	0.2	237	25.4		8.0		21.6		94.5		6.9	7.0	3.1		0.008	
25-05-22	Mid-Ebb	SR14A	Cloudy	Moderate	3.8	Middle				25.4	8.0			23.6		92.5		7.0		3.1		0.006
25-05-22	Mid-Ebb	SR14A	Cloudy	Moderate	3.8	Middle																
25-05-22	Mid-Ebb	SR14A	Cloudy	Moderate	3.8	Bottom	0.2	223	25.4		8.0		25.6		87.0		6.2		3.1		0.003	
25-05-22	Mid-Ebb	SR14A	Cloudy	Moderate	3.8	Bottom	0.2	225	25.4		8.0		25.5		90.9		6.5		3.1		0.004	
25-05-22	Mid-Flood	CEA	Cloudy	Moderate	3.5	Surface	0.2	19	25.5		8.1		20.9		102.1		7.4		4.0		0.009	
25-05-22	Mid-Flood	CEA	Cloudy	Moderate	3.5	Surface	0.2	22	25.4		8.1		21.0		100.2		7.3		4.1		0.008	
25-05-22	Mid-Flood	CEA	Cloudy	Moderate	3.5	Middle				25.4	8.0			23.1		91.3		7.4		4.1		0.006
25-05-22	Mid-Flood	CEA	Cloudy	Moderate	3.5	Middle																
25-05-22	Mid-Flood	CEA	Cloudy	Moderate	3.5	Bottom	0.2	46	25.3		7.9		25.2		81.4		5.8	5.8	4.1		0.003	
25-05-22	Mid-Flood	CEA	Cloudy	Moderate	3.5	Bottom	0.2	52	25.3		7.9		25.3		81.4		5.8	5.8	4.2		0.002	
25-05-22	Mid-Flood	CF	Cloudy	Moderate	13.6	Surface	0.3	333	25.5		8.2		15.6		113.2		8.5		3.9		0.014	
25-05-22	Mid-Flood	CF	Cloudy	Moderate	13.6	Surface	0.2	339	25.4		8.1		15.4		112.8		8.5	7.4	4.0		0.015	
25-05-22	Mid-Flood	CF	Cloudy	Moderate	13.6	Middle	0.2	334	25.0		8.0		27.9		89.8		6.3		6.0		0.012	
25-05-22	Mid-Flood	CF	Cloudy	Moderate	13.6	Middle	0.2	332	25.0		8.0		28.0		89.7		6.3		6.0		0.010	
25-05-22	Mid-Flood	CF	Cloudy	Moderate	13.6	Bottom	0.2	323	25.0		8.0		28.2		90.2		6.4		9.4		0.004	
25-05-22	Mid-Flood	CF	Cloudy	Moderate	13.6	Bottom	0.3	327	25.0		8.0		28.1		90.3		6.4		9.3		0.003	
25-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.2	Surface	0.1	50	25.8		8.2		15.4		121.2		9.1		3.3		0.012	
25-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.2	Surface	0.1	46	25.8		8.2		15.4		121.2		9.1		3.3		0.014	
25-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.2	Middle	0.1	55	25.7		8.2		19.6		122.3		8.9	9.0	3.6		0.011	
25-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.2	Middle	0.1	49	25.7		8.2		19.4		118.4		8.7		3.6		0.013	
25-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.2	Bottom	0.1	47	25.5		8.2		16.8		115.9		8.6	8.6	4.0		0.006	
25-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.2	Bottom	0.1	47	25.5		8.2		16.9		113.9		8.5		4.0		0.004	
25-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.5	Surface	0.3	330	25.7		8.2		22.1		119.3		8.6		4.7		0.015	
25-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.5	Surface	0.3	325	25.6		8.2		22.2		117.3		8.5	7.8	4.7		0.013	
25-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.5	Middle	0.3	338	25.3		8.0		25.1		100.6		7.2		4.8		0.006	
25-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.5	Middle	0.3	343	25.3		8.0		25.1		99.0		7.1		4.8		0.005	
25-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.5	Bottom	0.2	352	25.2		8.0		27.4		95.1		6.7		5.0		0.003	
25-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.5	Bottom	0.2	350	25.2		8.0		27.4		95.2		6.7	6.7	5.0		0.004	
25-05-22	Mid-Flood	SR7	Cloudy	Moderate	16.6	Surface	0.2	341	25.5		8.1		18.2		108.4		8.0		4.2		0.016	
25-05-22	Mid-Flood	SR7	Cloudy	Moderate	16.6	Surface	0.2	346	25.5		8.1		17.9		108.5	</						

Date (yyyy-mm-dd)	Tide	Station	Weather Condition	Sea Condition	Water Depth (m)	Level	Current Speed (m/s)	Current Direction	Water Temperature (°C)	Water Temperature (°C)	pH	pH	Salinity ppt	Salinity ppt	DO Saturation (%)	DO %	Dissolved Oxygen (mg/L)	DO mg/L	Turbidity (NTU)	Turbidity (NTU)	TRC (mg/L)	TRC (mg/L)	
									Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value	Depth-averaged	Value
31-05-22	Mid-Ebb	CEA	Rainy	Moderate	3.5	Surface	0.4	207	26.7		8.1		15.6		102.1		7.5		4.5		0.012		
31-05-22	Mid-Ebb	CEA	Rainy	Moderate	3.5	Surface	0.4	206	26.6		8.1		15.6		100.2		7.4		4.5		0.015		
31-05-22	Mid-Ebb	CEA	Rainy	Moderate	3.5	Middle				26.6		8.1		18.8		91.3		7.4		4.5		0.011	
31-05-22	Mid-Ebb	CEA	Rainy	Moderate	3.5	Middle					8.0		21.8		81.4		5.8		4.5		0.008		
31-05-22	Mid-Ebb	CEA	Rainy	Moderate	3.5	Bottom	0.4	228	26.5		8.0		21.9		81.4		5.8	5.8	4.6		0.007		
31-05-22	Mid-Ebb	CF	Rainy	Moderate	16.9	Surface	0.7	164	26.7		8.2		12.2		113.2		8.4		4.4		0.019		
31-05-22	Mid-Ebb	CF	Rainy	Moderate	16.9	Surface	0.8	161	26.6		8.2		12.1		112.8		8.4		4.4		0.017		
31-05-22	Mid-Ebb	CF	Rainy	Moderate	16.9	Middle	0.8	168	26.2		8.1		24.5		89.8		6.3	7.4	6.5		0.005		
31-05-22	Mid-Ebb	CF	Rainy	Moderate	16.9	Middle	0.8	167	26.2		8.1		24.6		89.7		6.3		6.5		0.006		
31-05-22	Mid-Ebb	CF	Rainy	Moderate	16.9	Bottom	0.8	165	26.2		8.1		26.9		90.2		6.2	6.2	9.8		0.002		
31-05-22	Mid-Ebb	CF	Rainy	Moderate	16.9	Bottom	0.8	165	26.2		8.1		26.9		90.3		6.3		9.8		0.002		
31-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.6	Surface	0.1	225	27.0		8.1		13.1		121.2		9.0		3.7		0.015		
31-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.6	Surface	0.1	228	27.0		8.1		13.1		121.2		9.0		3.7		0.018		
31-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.6	Middle	0.2	235	26.9		8.1		16.3		122.3		8.9	8.9	4.0		0.005		
31-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.6	Middle	0.2	238	26.9		8.1		16.0		118.4		8.6		4.0		0.007		
31-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.6	Bottom	0.2	225	26.7		8.1		23.2		115.9		8.1	8.1	4.4		0.003		
31-05-22	Mid-Ebb	SR3A	Rainy	Moderate	6.6	Bottom	0.2	221	26.7		8.1		23.5		113.9		8.0		4.4		0.003		
31-05-22	Mid-Ebb	SR5A	Rainy	Moderate	6.9	Surface	0.3	148	26.9		8.1		18.8		119.3		8.5		5.1		0.019		
31-05-22	Mid-Ebb	SR5A	Rainy	Moderate	6.9	Surface	0.3	148	26.8		8.1		18.9		117.3		8.4		5.1		0.017		
31-05-22	Mid-Ebb	SR5A	Rainy	Moderate	6.9	Middle	0.3	138	26.5		8.1		21.8		100.6		7.1	7.8	5.2		0.016		
31-05-22	Mid-Ebb	SR5A	Rainy	Moderate	6.9	Middle	0.3	136	26.5		8.1		21.7		99.0		7.0		5.2		0.011		
31-05-22	Mid-Ebb	SR5A	Rainy	Moderate	6.9	Bottom	0.2	124	26.4		8.1		26.2		95.1		6.6		5.4		0.001		
31-05-22	Mid-Ebb	SR5A	Rainy	Moderate	6.9	Bottom	0.3	119	26.4		8.1		26.0		95.2		6.6	6.6	5.4		0.006		
31-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.8	Surface	0.8	194	26.7		8.1		14.9		106.4		8.0		4.7		0.012		
31-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.8	Surface	0.8	190	26.7		8.1		14.6		105.5		8.0		4.8		0.016		
31-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.8	Middle	0.8	197	26.2		8.1		25.2		87.5		6.1	7.0	7.6		0.009		
31-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.8	Middle	0.8	192	26.1		8.1		25.5		87.4		6.1		7.6		0.005		
31-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.8	Bottom	0.8	165	26.2		8.1		27.6		87.8		6.1	6.1	8.3		0.002		
31-05-22	Mid-Ebb	SR7	Rainy	Moderate	16.8	Bottom	0.8	169	26.2		8.1		27.1		88.4		6.1		8.3		0.004		
31-05-22	Mid-Ebb	SR14A	Rainy	Moderate	3.8	Surface	0.4	201	26.5		8.1		16.6		96.9		7.1		6.3		0.016		
31-05-22	Mid-Ebb	SR14A	Rainy	Moderate	3.8	Surface	0.4	202	26.5		8.1		16.6		96.8		7.1		6.3		0.012		
31-05-22	Mid-Ebb	SR14A	Rainy	Moderate	3.8	Middle				26.5		8.0		20.1		90.3		7.1		6.3		0.009	
31-05-22	Mid-Ebb	SR14A	Rainy	Moderate	3.8	Middle					8.0		23.7		83.4		5.9		6.5		0.003		
31-05-22	Mid-Ebb	SR14A	Rainy	Moderate	3.8	Bottom	0.4	206	26.4		8.0		23.7		84.2		5.9	5.9	6.5		0.006		
31-05-22	Mid-Flood	CEA	Cloudy	Moderate	4.1	Surface	0.4	44	26.3		8.1		15.4		91.2		6.7		4.8		0.014		
31-05-22	Mid-Flood	CEA	Cloudy	Moderate	4.1	Surface	0.4	49	26.3		8.1		15.6		91.2		6.7		4.8		0.017		
31-05-22	Mid-Flood	CEA	Cloudy	Moderate	4.1	Middle				26.2		8.0		19.1		85.0		6.7		4.8		0.010	
31-05-22	Mid-Flood	CEA	Cloudy	Moderate	4.1	Middle					8.0		22.7		78.8		5.6		5.4		0.005		
31-05-22	Mid-Flood	CEA	Cloudy	Moderate	4.1	Bottom	0.3	23	26.1		8.0		22.6		78.8		5.6	5.6	5.4		0.002		
31-05-22	Mid-Flood	CF	Cloudy	Moderate	16.6	Surface	0.2	177	26.0		8.1		18.9		89.2		6.5		5.5		0.015		
31-05-22	Mid-Flood	CF	Cloudy	Moderate	16.6	Surface	0.2	169	26.0		8.1		18.9		89.0		6.5		5.5		0.019		
31-05-22	Mid-Flood	CF	Cloudy	Moderate	16.6	Middle	0.2	204	25.7		8.0		25.6		81.2		5.7	6.1	5.6		0.007		
31-05-22	Mid-Flood	CF	Cloudy	Moderate	16.6	Middle	0.2	211	25.7		8.0		25.8		81.0		5.7		5.6		0.008		
31-05-22	Mid-Flood	CF	Cloudy	Moderate	16.6	Bottom	0.2	182	25.6		8.0		26.7		75.0		5.3		6.4		0.001		
31-05-22	Mid-Flood	CF	Cloudy	Moderate	16.6	Bottom	0.2	177	25.6		8.0		26.7		74.6		5.2	5.3	6.4		0.004		
31-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Surface	0.1	60	26.5		8.0		16.5		85.9		6.3		5.8		0.017		
31-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Surface	0.1	65	26.5		8.0		16.6		85.9		6.3		5.9		0.015		
31-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Middle	0.2	65	26.2		8.0		19.0		81.4		5.9	6.1	7.6		0.007		
31-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Middle	0.1	70	26.2		8.0		18.9		81.4		5.9		7.6		0.009		
31-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Bottom	0.1	29	26.1		8.0		22.8		76.5		5.5	5.5	8.2		0.005		
31-05-22	Mid-Flood	SR3A	Cloudy	Moderate	6.5	Bottom	0.1	35	26.1		8.0		22.7		76.5		5.5		8.3		0.004		
31-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Surface	0.1	328	26.2		8.1		19.5		89.6		6.5		4.9		0.021		
31-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Surface	0.1	326	26.2		8.1		19.5		89.6		6.5		4.9		0.018		
31-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Middle	0.1	344	26.1		8.1		22.4		83.6		6.0	6.2	9.0		0.015		
31-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Middle	0.1	336	26.0		8.1		22.4		83.4		6.0		9.0		0.013		
31-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Bottom	0.1	351	26.0		8.1		24.2		85.1		6.0	6.0	9.5		0.003		
31-05-22	Mid-Flood	SR5A	Cloudy	Moderate	6.9	Bottom	0.1	347	26.0		8.1		24.2		85.5		6.0		9.5		0.008		
31-05-22	Mid-Flood	SR7	Cloudy	Moderate	17.4	Surface	0.2	355	26.1		8.1		14.9		92.3		6.9		5.0		0.014		
31-05-22	Mid-Flood	SR7	Cloudy	Moderate	17.4	Surface	0.2	352	26.1		8.1		15.0		91.5		6.8		4.9		0.018		
31-05-22	Mid-Flood	SR7	Cloudy	Moderate	17.4	Middle	0.1	353	25.9		8.1		22.6		83.7		6.0	6.4	6.5		0.011		
31-05-22	Mid-Flood	SR7	Cloudy	Moderate	17.4	Middle	0.2	346	25.9		8.1		22.6		83.6		6.0		6.5		0.007		
31-05-22	Mid-Flood	SR7	Cloudy	Moderate	1																		

APPENDIX D

GRAPHICAL PRESENTATION OF MONITORING RESULTS



Figure 1: Depth-Averaged Water Temperature (°C) at monitoring stations during ebb tide between June 2021 and May 2022

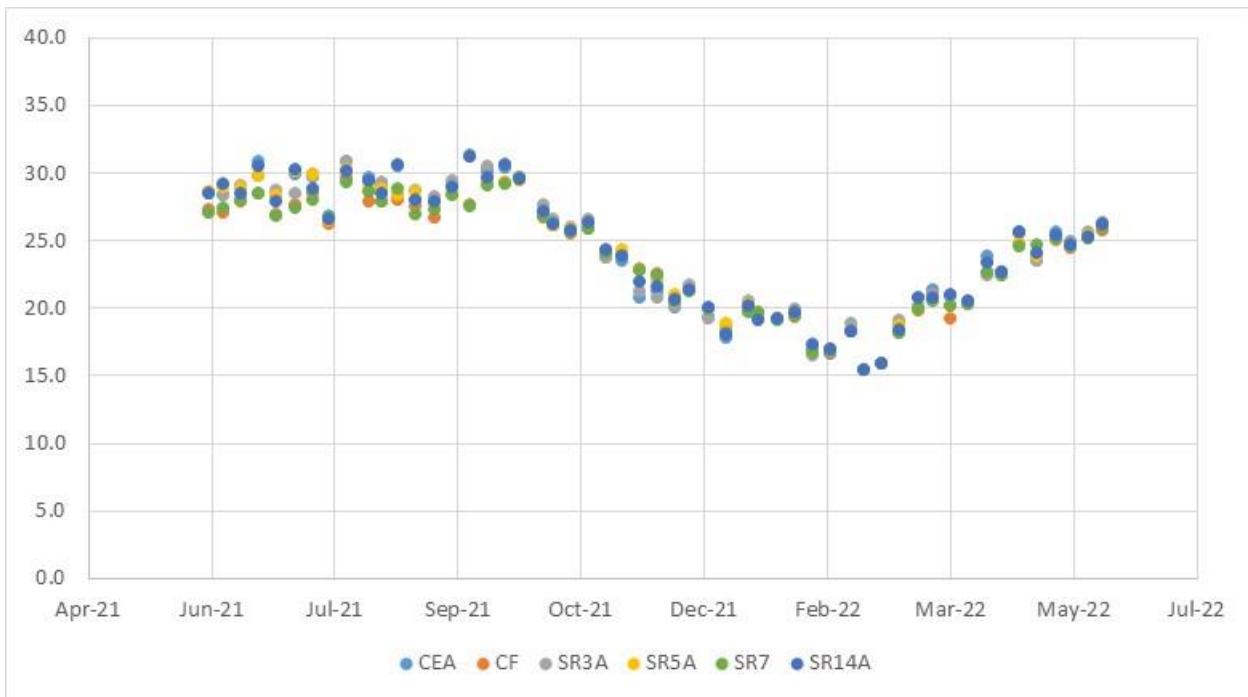


Figure 2: Depth-Averaged Water Temperature (°C) at monitoring stations during flood tide between June 2021 and May 2022

Source: P:\Projects\0368878 CLP CCGT Unit 1 EM&A\07 Submission\16 Water Quality Monitoring Report for the First Year of Additional CCGT Commissioning

Date: June 2022

**Environmental
Resources
Management**



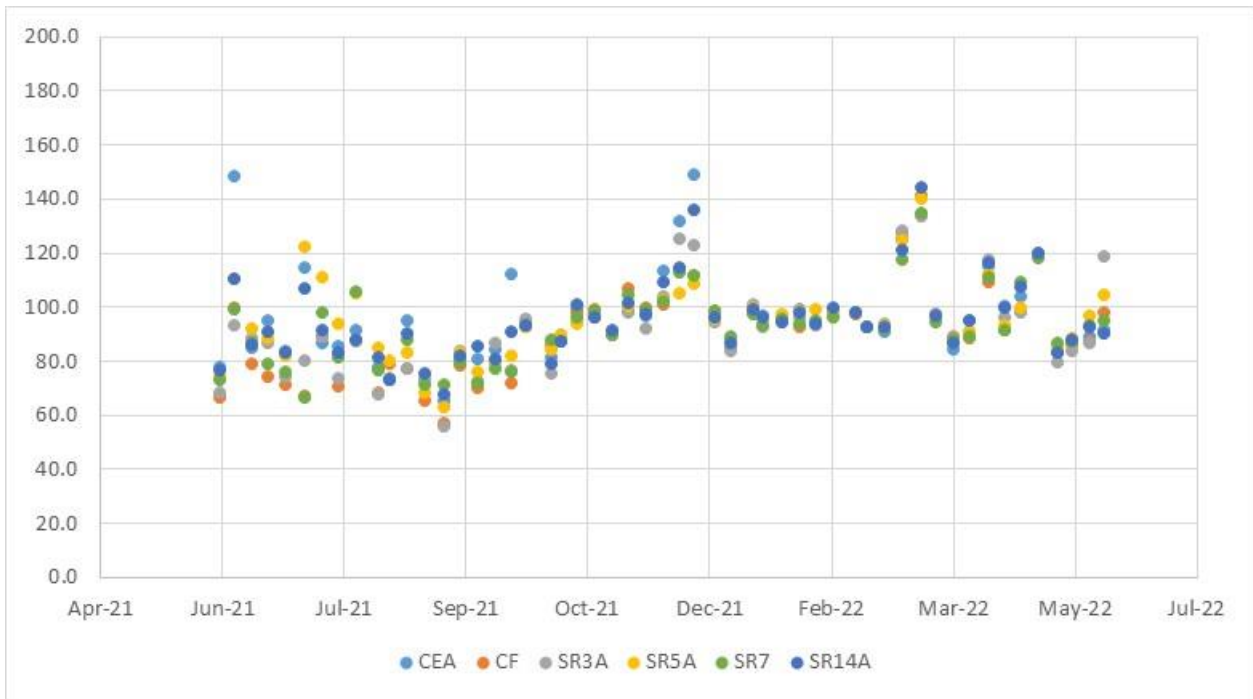


Figure 3: Depth-Averaged Dissolved Oxygen Saturation (%) at monitoring stations during ebb tide between June 2021 and May 2022

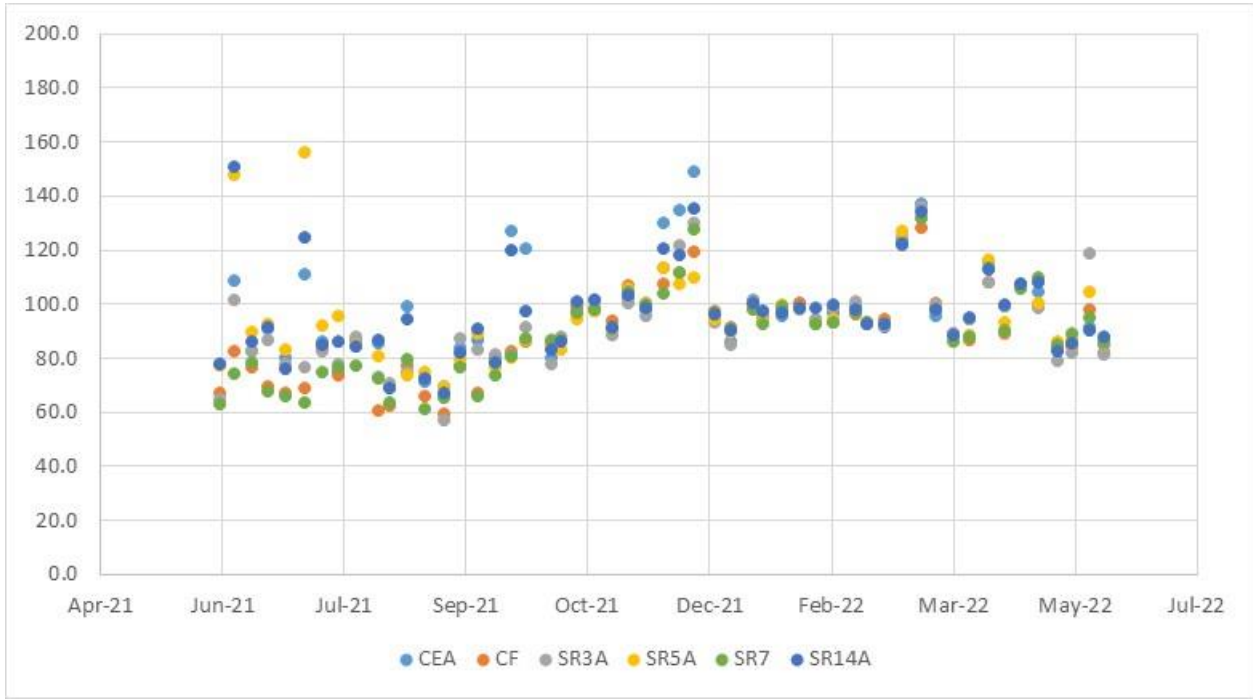


Figure 4: Depth-Averaged Dissolved Oxygen Saturation (%) at monitoring stations during flood tide between June 2021 and May 2022

Source: P:\Projects\0368878 CLP CCGT Unit 1 EM&A\07 Submission\16 Water Quality Monitoring Report for the First Year of Additional CCGT Commissioning

Date: June 2022

**Environmental
Resources
Management**



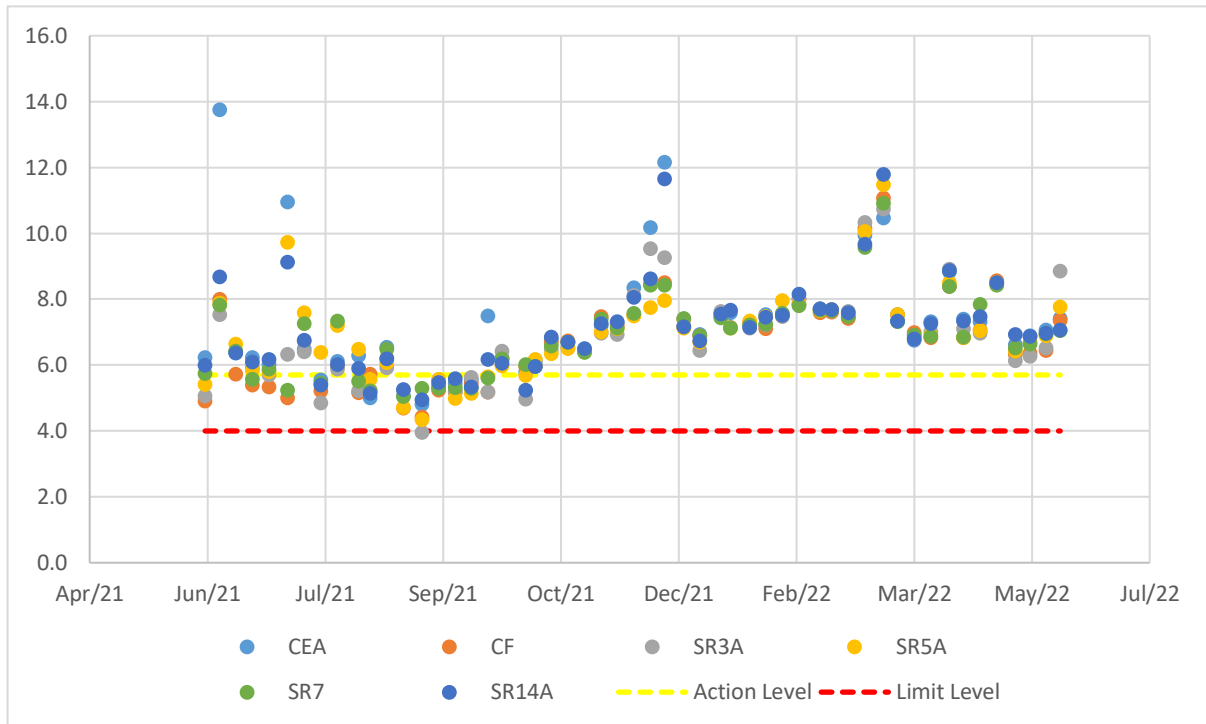


Figure 5: Average of Dissolved Oxygen at Surface and Mid-depth Level (mg/L) at monitoring stations during ebb tide between June 2021 and May 2022

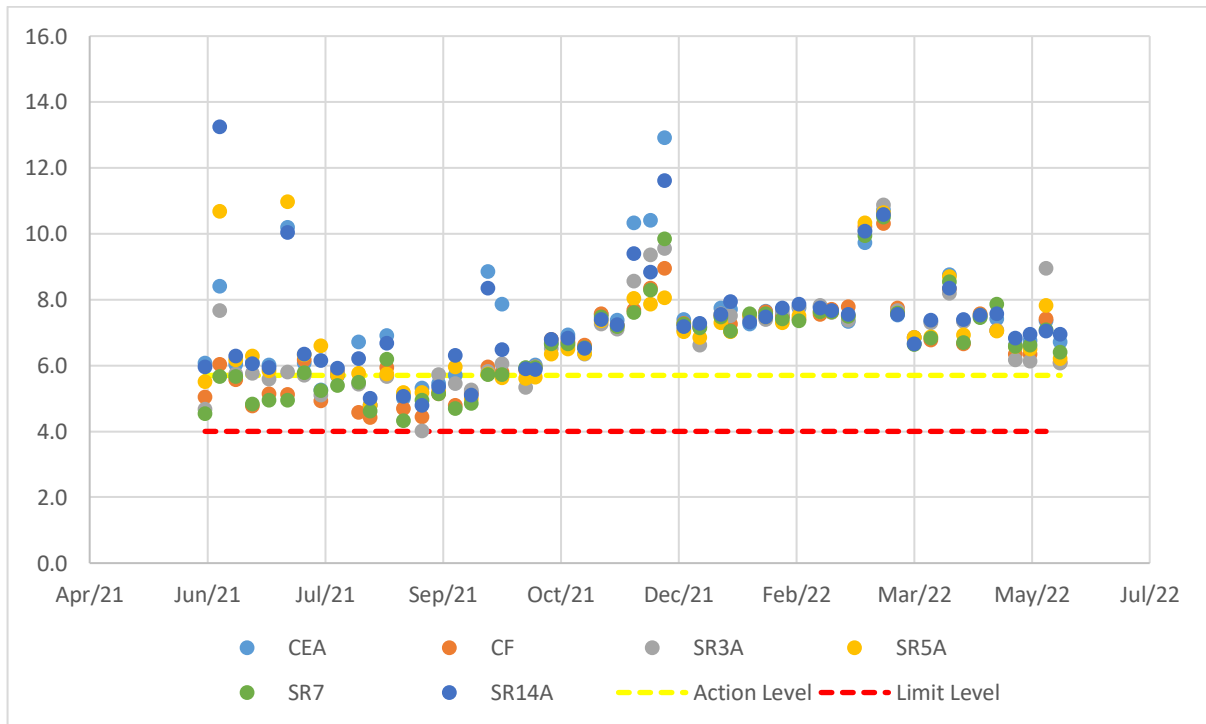


Figure 6: Average of Dissolved Oxygen at Surface and Mid-depth Level (mg/L) at monitoring stations during flood tide between June 2021 and May 2022

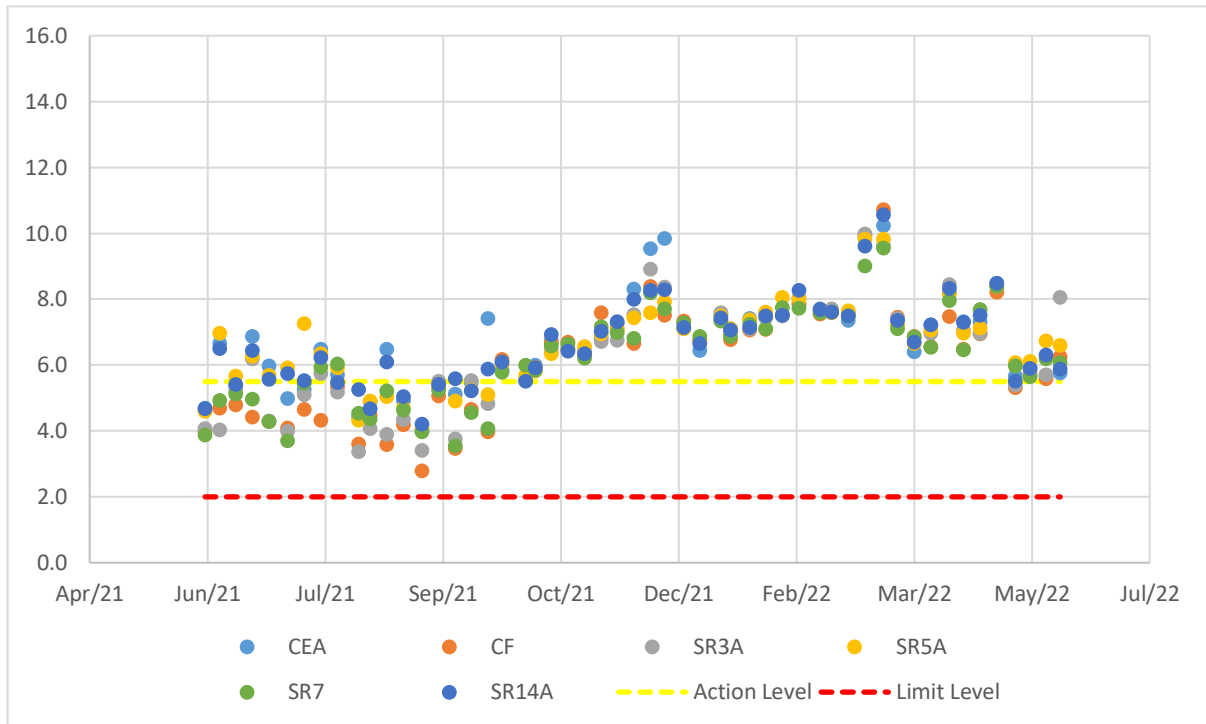


Figure 7: Average of Dissolved Oxygen at Bottom Level (mg/L) at monitoring stations during ebb tide between June 2021 and May 2022

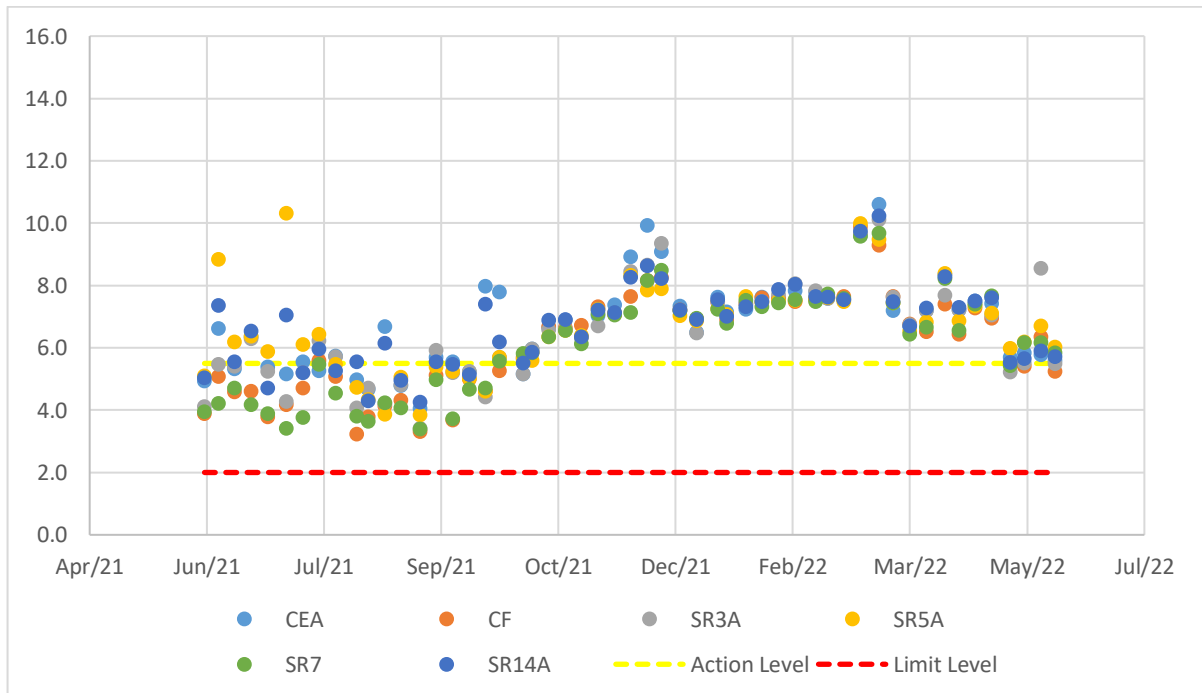


Figure 8: Average of Dissolved Oxygen at Bottom Level (mg/L) at monitoring stations during flood tide between June 2021 and May 2022

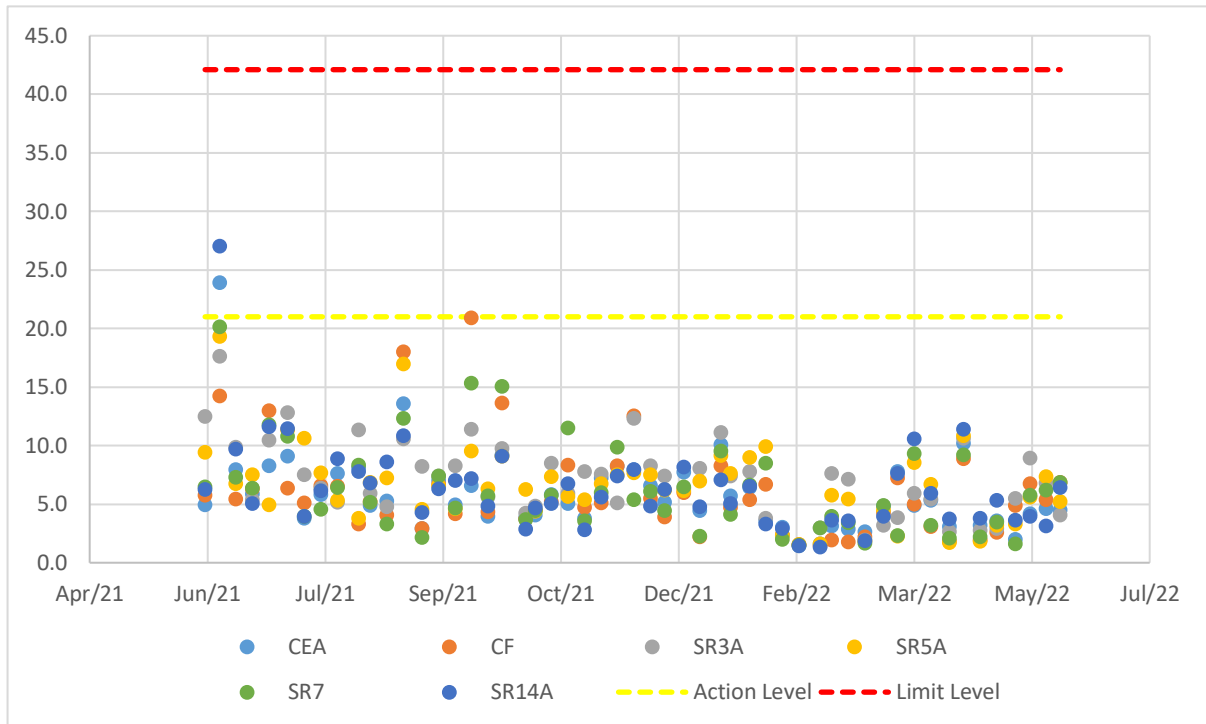


Figure 9: Depth-averaged Turbidity (NTU) at monitoring stations during ebb tide between June 2021 and May 2022

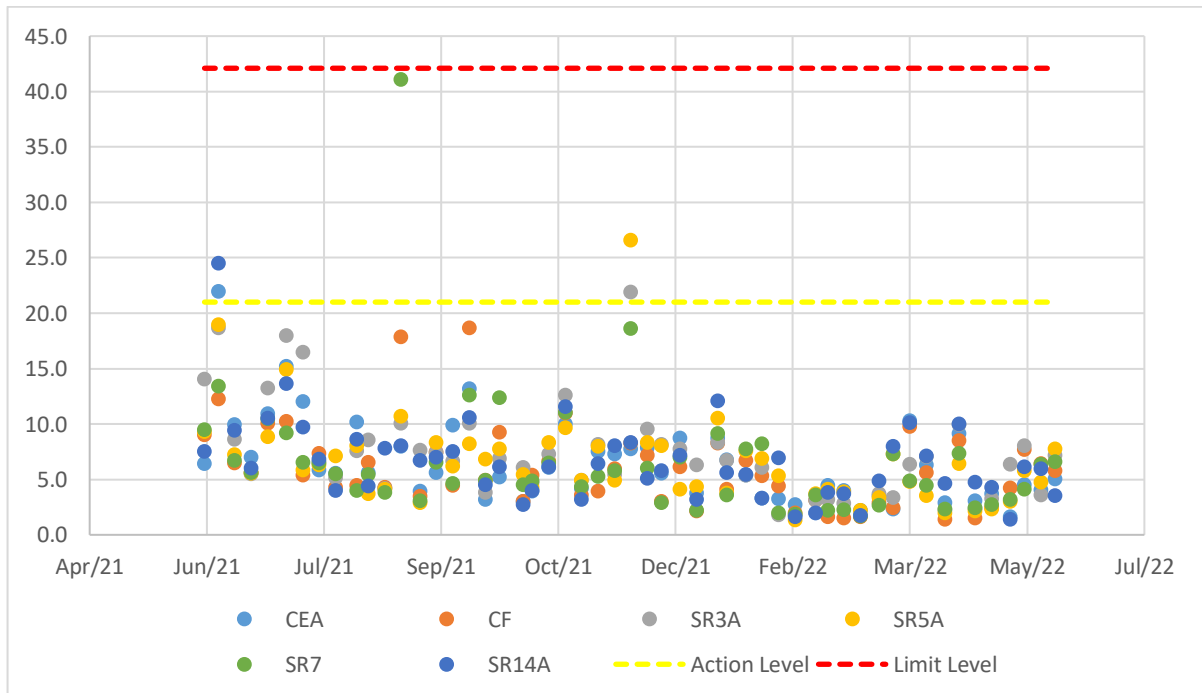


Figure 10: Depth-averaged Turbidity (NTU) at monitoring stations during flood tide between June 2021 and May 2022

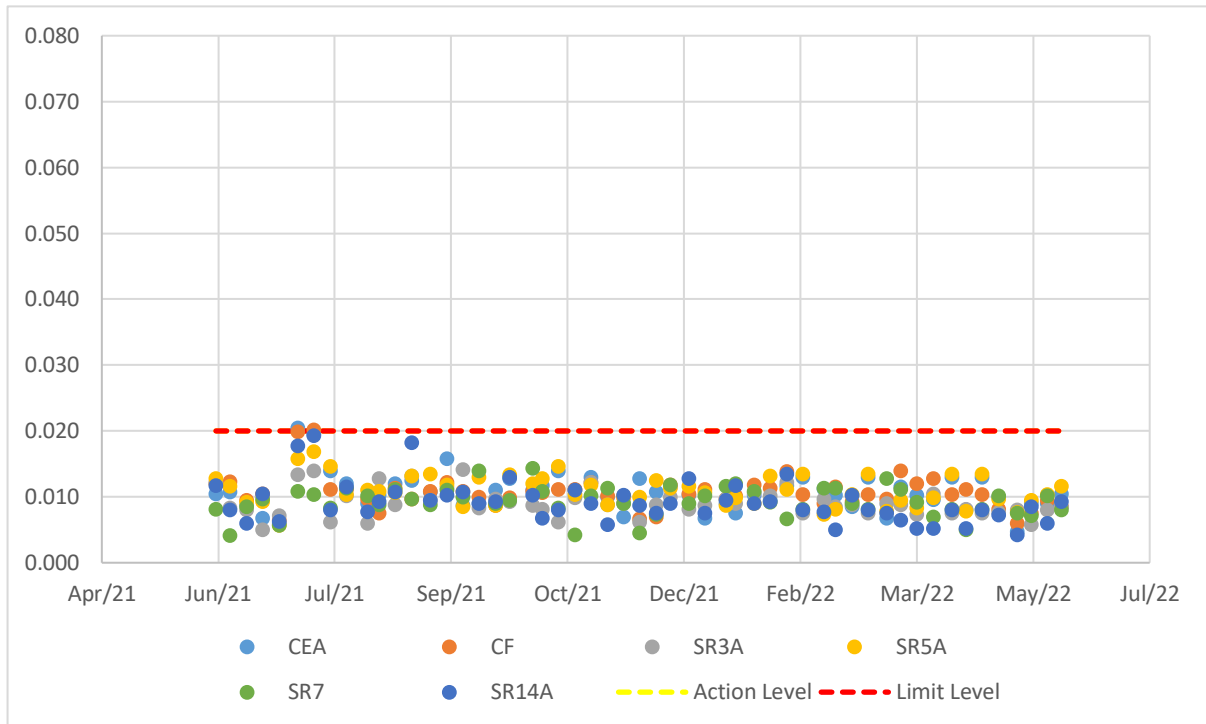


Figure 11: Depth-averaged Total Residual Chlorine (mg/L) at monitoring stations during ebb tide between June 2021 and May 2022

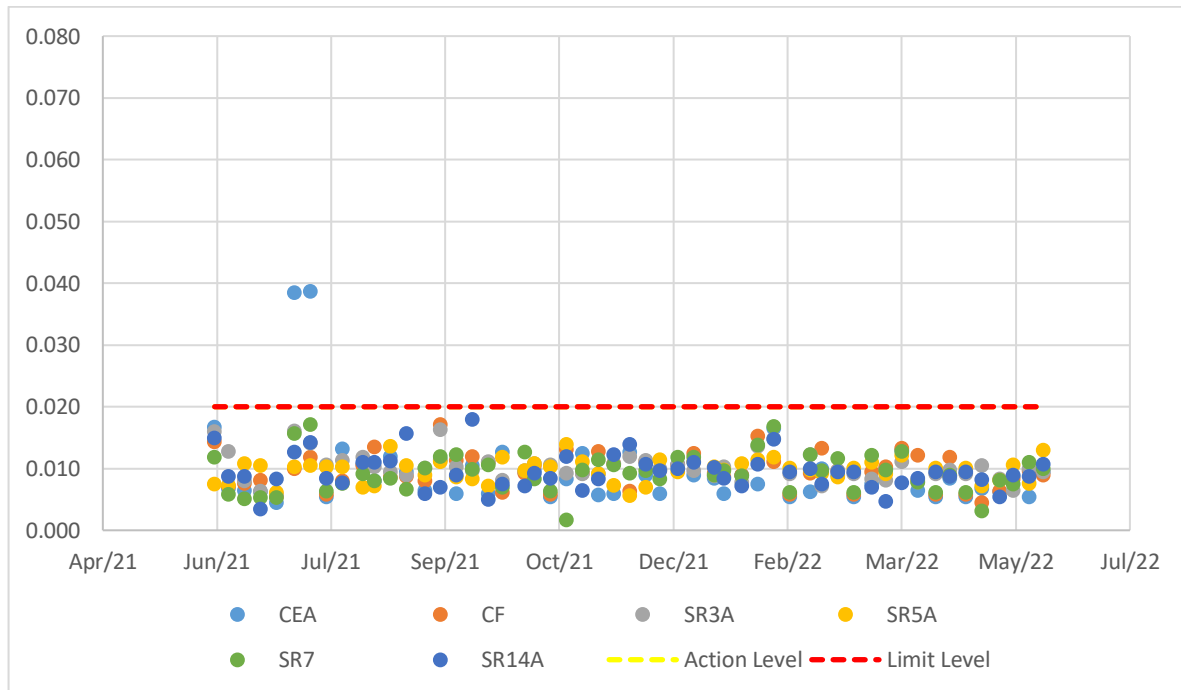


Figure 12: Depth-averaged Total Residual Chlorine (mg/L) at monitoring stations during flood tide between June 2021 and May 2022

APPENDIX E DAILY COOLING WATER EFFLUENT RECORD

(C) Effluent No.13 - Unit D1 Cooling Water Effluent

Item	Flow Rate (m³/day)	pH	Cooling Water Outfall Temperature (Deg. C)	Total Residual Chlorine (mg/l)
Date/Limit (Max)	950,400	6 - 9	40	0.5
01-Jun-21	950,400	7.9	35	0.20
02-Jun-21	950,400	7.9	33	0.20
03-Jun-21	950,400	8.0	34	0.20
04-Jun-21	950,400	8.0	34	0.20
05-Jun-21	950,400	8.0	33	0.20
06-Jun-21	950,400	7.9	33	0.20
07-Jun-21	950,400	8.0	31	0.20
08-Jun-21	950,400	7.9	32	0.20
09-Jun-21	950,400	7.9	33	0.20
10-Jun-21	950,400	7.9	33	0.20
11-Jun-21	950,400	7.9	32	0.20
12-Jun-21	950,400	7.9	32	0.20
13-Jun-21	950,400	7.9	32	0.20
14-Jun-21	950,400	8.0	32	0.20
15-Jun-21	950,400	7.9	32	0.20
16-Jun-21	950,400	8.0	32	0.20
17-Jun-21	950,400	7.9	34	0.20
18-Jun-21	950,400	7.9	34	0.20
19-Jun-21	950,400	7.9	34	0.20
20-Jun-21	950,400	7.9	34	0.20
21-Jun-21	950,400	7.8	38	0.15
22-Jun-21	950,400	7.9	36	0.20
23-Jun-21	950,400	7.8	26	0.20
24-Jun-21	950,400	7.8	33	0.20
25-Jun-21	950,400	7.8	33	0.20
26-Jun-21	950,400	7.6	36	0.20
27-Jun-21	871,200	7.9	35	0.20
28-Jun-21	950,400	7.8	32	0.20
29-Jun-21	950,400	7.8	33	0.20
30-Jun-21	930,600	7.9	35	0.20
01-Jul-21	950,400	7.7	36	0.20
02-Jul-21	693,000	7.8	35	0.20
03-Jul-21	475,200	7.7	38	0.20
04-Jul-21	792,000	7.8	36	0.20
05-Jul-21	950,400	7.7	35	0.20
06-Jul-21	950,400	7.7	32	0.20
07-Jul-21	950,400	7.7	35	0.15
08-Jul-21	950,400	7.9	35	0.20
09-Jul-21	950,400	7.8	38	0.15
10-Jul-21	950,400	7.8	34	0.20
11-Jul-21	950,400	7.7	35	0.20
12-Jul-21	950,400	7.8	32	0.20
13-Jul-21	871,200	7.8	31	0.20

14-Jul-21	950,400	7.8	32	0.00
15-Jul-21	950,400	7.8	32	0.00
16-Jul-21	831,600	7.8	33	0.20
17-Jul-21	950,400	7.7	34	0.20
18-Jul-21	950,400	7.7	36	0.20
19-Jul-21	950,400	7.8	33	0.00
20-Jul-21	950,400	7.8	34	0.00
21-Jul-21	950,400	7.7	29	0.00
22-Jul-21	950,400	7.7	31	0.00
23-Jul-21	891,000	7.8	32	0.20
24-Jul-21	950,400	7.7	34	0.20
25-Jul-21	831,600	7.7	30	0.20
26-Jul-21	891,000	7.9	34	0.20
27-Jul-21	950,400	7.9	34	0.00
28-Jul-21	950,400	7.8	35	0.00
29-Jul-21	950,400	7.8	35	0.00
30-Jul-21	950,400	7.9	35	0.20
31-Jul-21	950,400	7.9	35	0.20
01-Aug-21	950,400	7.8	35	0.20
02-Aug-21	950,400	7.9	34	0.20
03-Aug-21	950,400	8.1	34	0.20
04-Aug-21	950,400	8.0	34	0.20
05-Aug-21	950,400	8.1	34	0.15
06-Aug-21	950,400	7.8	35	0.20
07-Aug-21	950,400	7.8	34	0.20
08-Aug-21	891,000	7.8	33	0.20
09-Aug-21	950,400	7.8	34	0.20
10-Aug-21	950,400	7.8	34	0.20
11-Aug-21	950,400	7.8	33	0.20
12-Aug-21	950,400	7.8	34	0.20
13-Aug-21	475,200	7.8	35	0.20
14-Aug-21	475,200	7.8	35	0.20
15-Aug-21	475,200	7.7	38	0.20
16-Aug-21	475,200	7.8	36	0.20
17-Aug-21	554,400	7.8	36	0.20
18-Aug-21	950,400	7.9	36	0.20
19-Aug-21	950,400	7.9	34	0.20
20-Aug-21	950,400	7.8	35	0.20
21-Aug-21	950,400	7.9	33	0.20
22-Aug-21	950,400	7.9	34	0.20
23-Aug-21	950,400	7.8	33	0.20
24-Aug-21	950,400	7.9	34	0.00
25-Aug-21	950,400	7.9	35	0.00
26-Aug-21	950,400	7.8	35	0.00
27-Aug-21	950,400	7.9	34	0.15
28-Aug-21	950,400	7.8	34	0.15
29-Aug-21	950,400	7.9	34	0.15
30-Aug-21	950,400	7.8	33	0.00
31-Aug-21	950,400	7.8	33	0.00
01-Sep-21	950,400	7.8	33	0.00

02-Sep-21	950,400	7.8	33	0.00
03-Sep-21	950,400	7.8	33	0.15
04-Sep-21	950,400	8.0	36	0.20
05-Sep-21	950,400	7.8	33	0.20
06-Sep-21	950,400	7.8	33	0.15
07-Sep-21	950,400	7.9	32	0.00
08-Sep-21	950,400	7.9	33	0.00
09-Sep-21	950,400	7.9	33	0.00
10-Sep-21	930,600	7.9	33	0.15
11-Sep-21	950,400	7.7	36	0.15
12-Sep-21	950,400	7.9	37	0.20
13-Sep-21	950,400	7.9	34	0.15
14-Sep-21	950,400	7.9	32	0.20
15-Sep-21	950,400	7.9	35	0.20
16-Sep-21	950,400	7.9	35	0.20
17-Sep-21	950,400	7.9	34	0.20
18-Sep-21	950,400	7.8	36	0.20
19-Sep-21	950,400	7.8	37	0.20
20-Sep-21	950,400	7.9	36	0.20
21-Sep-21	950,400	7.8	35	0.20
22-Sep-21	950,400	7.5	36	0.20
23-Sep-21	950,400	7.8	33	0.20
24-Sep-21	950,400	7.8	33	0.20
25-Sep-21	950,400	7.8	33	0.20
26-Sep-21	950,400	7.7	33	0.20
27-Sep-21	950,400	7.7	33	0.20
28-Sep-21	950,400	7.7	35	0.10
29-Sep-21	950,400	7.6	35	0.10
30-Sep-21	950,400	7.7	35	0.10
01-Oct-21	950,400	8.0	37	0.20
02-Oct-21	950,400	7.8	37	0.20
03-Oct-21	950,400	7.7	36	0.20
04-Oct-21	950,400	7.5	35	0.00
05-Oct-21	950,400	7.8	36	0.00
06-Oct-21	950,400	7.7	33	0.15
07-Oct-21	950,400	7.8	33	0.15
08-Oct-21	950,400	7.8	35	0.00
09-Oct-21	930,600	7.8	34	0.20
10-Oct-21	950,400	7.8	34	0.20
11-Oct-21	950,400	7.5	33	0.15
12-Oct-21	950,400	7.8	31	0.15
13-Oct-21	950,400	7.6	33	0.15
14-Oct-21	950,400	7.9	34	0.15
15-Oct-21	950,400	7.7	32	0.10
16-Oct-21	950,400	7.8	32	0.15
17-Oct-21	950,400	7.8	31	0.00
18-Oct-21	950,400	7.8	31	0.00
19-Oct-21	950,400	7.9	31	0.00
20-Oct-21	712,800	7.8	26	0.00
21-Oct-21	158,400	7.8	26	0.00

22-Oct-21	79,200	7.8	26	0.00
23-Oct-21	950,400	7.8	27	0.15
24-Oct-21	950,400	7.9	29	0.15
25-Oct-21	950,400	7.7	29	0.20
26-Oct-21	950,400	7.7	29	0.20
27-Oct-21	950,400	7.7	30	0.20
28-Oct-21	950,400	7.8	31	0.15
29-Oct-21	950,400	7.8	30	0.20
30-Oct-21	950,400	7.9	32	0.20
31-Oct-21	950,400	7.8	31	0.20
01-Nov-21	950,400	8.0	31	0.15
02-Nov-21	950,400	7.8	30	0.20
03-Nov-21	950,400	7.8	30	0.20
04-Nov-21	950,400	7.8	30	0.20
05-Nov-21	950,400	7.7	29	0.20
06-Nov-21	950,400	7.9	32	0.20
07-Nov-21	950,400	7.8	33	0.20
08-Nov-21	950,400	7.9	30	0.20
09-Nov-21	950,400	8.0	30	0.15
10-Nov-21	950,400	7.7	28	0.20
11-Nov-21	950,400	7.9	29	0.20
12-Nov-21	950,400	7.7	29	0.20
13-Nov-21	950,400	7.8	28	0.20
14-Nov-21	950,400	7.9	31	0.20
15-Nov-21	950,400	7.8	27	0.20
16-Nov-21	950,400	7.8	28	0.20
17-Nov-21	950,400	7.8	30	0.20
18-Nov-21	950,400	7.8	27	0.15
19-Nov-21	950,400	7.9	29	0.20
20-Nov-21	950,400	7.9	32	0.20
21-Nov-21	950,400	7.9	31	0.20
22-Nov-21	950,400	7.8	28	0.20
23-Nov-21	950,400	7.9	25	0.20
24-Nov-21	950,400	7.7	25	0.20
25-Nov-21	950,400	7.8	26	0.20
26-Nov-21	950,400	7.7	27	0.20
27-Nov-21	950,400	7.6	27	0.20
28-Nov-21	950,400	7.8	28	0.20
29-Nov-21	752,400	7.9	27	0.20
30-Nov-21	950,400	7.8	27	0.20
01-Dec-21	950,400	7.7	25	0.20
02-Dec-21	950,400	7.9	25	0.20
03-Dec-21	950,400	7.2	26	0.20
04-Dec-21	950,400	7.7	28	0.20
05-Dec-21	950,400	7.8	27	0.20
06-Dec-21	950,400	8.1	24	0.20
07-Dec-21	950,400	8.2	24	0.20
08-Dec-21	950,400	8.2	26	0.20
09-Dec-21	950,400	8.1	26	0.20
10-Dec-21	950,400	8.1	26	0.20

11-Dec-21	950,400	7.8	26	0.20
12-Dec-21	950,400	7.8	27	0.20
13-Dec-21	950,400	8.2	24	0.20
14-Dec-21	950,400	8.1	25	0.20
15-Dec-21	950,400	8.1	26	0.15
16-Dec-21	950,400	8.1	26	0.15
17-Dec-21	950,400	8.1	26	0.20
18-Dec-21	950,400	7.9	24	0.20
19-Dec-21	950,400	8.0	27	0.15
20-Dec-21	950,400	8.1	24	0.00
21-Dec-21	950,400	8.0	24	0.15
22-Dec-21	950,400	7.9	23	0.15
23-Dec-21	950,400	7.9	25	0.00
24-Dec-21	950,400	7.9	24	0.20
25-Dec-21	950,400	7.9	26	0.20
26-Dec-21	950,400	7.8	24	0.20
27-Dec-21	950,400	7.8	23	0.20
28-Dec-21	950,400	7.8	23	0.20
29-Dec-21	950,400	7.9	22	0.00
30-Dec-21	950,400	7.8	22	0.00
31-Dec-21	950,400	7.8	24	0.00
01-Jan-22	950,400	7.8	24	0.20
02-Jan-22	950,400	8.0	27	0.20
03-Jan-22	950,400	7.9	20	0.15
04-Jan-22	950,400	7.8	24	0.20
05-Jan-22	950,400	7.8	25	0.20
06-Jan-22	950,400	7.7	26	0.20
07-Jan-22	950,400	7.8	25	0.20
08-Jan-22	950,400	7.8	27	0.20
09-Jan-22	950,400	7.9	27	0.20
10-Jan-22	950,400	7.7	25	0.15
11-Jan-22	950,400	7.8	24	0.15
12-Jan-22	950,400	7.8	24	0.15
13-Jan-22	950,400	7.8	24	0.15
14-Jan-22	950,400	7.8	23	0.15
15-Jan-22	950,400	7.8	23	0.15
16-Jan-22	950,400	7.8	24	0.16
17-Jan-22	950,400	7.8	19	0.20
18-Jan-22	950,400	7.8	19	0.20
19-Jan-22	950,400	7.8	18	0.20
20-Jan-22	950,400	7.8	19	0.15
21-Jan-22	950,400	7.8	24	0.15
22-Jan-22	950,400	7.8	25	0.15
23-Jan-22	950,400	7.8	30	0.20
24-Jan-22	950,400	7.8	26	0.20
25-Jan-22	950,400	7.7	25	0.20
26-Jan-22	950,400	7.7	25	0.20
27-Jan-22	950,400	7.6	25	0.15
28-Jan-22	950,400	7.8	25	0.20
29-Jan-22	950,400	7.8	25	0.15

30-Jan-22	950,400	7.8	25	0.15
31-Jan-22	950,400	7.7	22	0.20
01-Feb-22	950,400	7.8	13	0.20
02-Feb-22	950,400	7.8	24	0.20
03-Feb-22	950,400	7.7	25	0.20
04-Feb-22	950,400	7.6	21	0.00
05-Feb-22	950,400	7.7	21	0.00
06-Feb-22	950,400	7.7	22	0.00
07-Feb-22	950,400	7.7	23	0.00
08-Feb-22	950,400	7.8	23	0.20
09-Feb-22	950,400	7.8	22	0.20
10-Feb-22	950,400	7.8	22	0.20
11-Feb-22	950,400	7.5	22	0.20
12-Feb-22	950,400	7.7	24	0.20
13-Feb-22	950,400	7.8	25	0.20
14-Feb-22	752,400	8.0	17	0.20
15-Feb-22	891,000	7.9	18	0.20
16-Feb-22	950,400	8.0	18	0.20
17-Feb-22	950,400	7.9	18	0.15
18-Feb-22	356,400	7.9	18	0.20
19-Feb-22	0	No discharge		
20-Feb-22	0			
21-Feb-22	0			
22-Feb-22	0			
23-Feb-22	0			
24-Feb-22	594,000	7.7	18	0.15
25-Feb-22	930,600	7.7	18	0.15
26-Feb-22	950,400	8.0	16	0.20
27-Feb-22	950,400	8.0	16	0.20
28-Feb-22	950,400	7.6	21	0.20
01-Mar-22	950,400	7.5	22	0.00
02-Mar-22	950,400	7.7	22	0.00
03-Mar-22	950,400	7.7	23	0.00
04-Mar-22	950,400	7.7	22	0.20
05-Mar-22	950,400	7.7	22	0.20
06-Mar-22	950,400	8.0	23	0.20
07-Mar-22	950,400	7.7	23	0.20
08-Mar-22	950,400	7.7	21	0.00
09-Mar-22	950,400	7.7	23	0.00
10-Mar-22	950,400	7.7	22	0.00
11-Mar-22	950,400	7.7	22	0.20
12-Mar-22	950,400	7.8	29	0.20
13-Mar-22	950,400	7.8	25	0.20
14-Mar-22	950,400	7.7	24	0.15
15-Mar-22	950,400	7.7	23	0.00
16-Mar-22	950,400	7.8	25	0.00
17-Mar-22	950,400	8.0	26	0.00
18-Mar-22	950,400	8.0	26	0.20
19-Mar-22	950,400	7.9	26	0.20
20-Mar-22	950,400	7.8	24	0.20

21-Mar-22	950,400	7.7	26	0.15
22-Mar-22	950,400	7.7	26	0.00
23-Mar-22	950,400	7.7	25	0.00
24-Mar-22	950,400	7.5	25	0.00
25-Mar-22	950,400	7.7	25	0.15
26-Mar-22	950,400	7.9	27	0.15
27-Mar-22	950,400	7.9	27	0.15
28-Mar-22	950,400	7.7	25	0.20
29-Mar-22	950,400	7.7	25	0.20
30-Mar-22	950,400	7.7	27	0.20
31-Mar-22	950,400	7.8	28	0.20
01-Apr-22	950,400	7.8	25	0.20
02-Apr-22	950,400	7.7	21	0.20
03-Apr-22	950,400	7.8	22	0.20
04-Apr-22	950,400	7.7	24	0.20
05-Apr-22	950,400	7.7	25	0.20
06-Apr-22	950,400	7.7	26	0.00
07-Apr-22	950,400	7.7	26	0.20
08-Apr-22	950,400	7.8	26	0.00
09-Apr-22	950,400	7.8	25	0.20
10-Apr-22	950,400	7.8	26	0.20
11-Apr-22	950,400	7.7	26	0.20
12-Apr-22	950,400	7.8	27	0.15
13-Apr-22	950,400	7.7	28	0.20
14-Apr-22	950,400	7.8	27	0.15
15-Apr-22	950,400	7.8	31	0.20
16-Apr-22	950,400	8.1	29	0.20
17-Apr-22	950,400	7.7	28	0.20
18-Apr-22	950,400	7.7	29	0.10
19-Apr-22	950,400	7.7	26	0.20
20-Apr-22	950,400	7.8	26	0.15
21-Apr-22	950,400	7.7	26	0.20
22-Apr-22	950,400	7.8	28	0.20
23-Apr-22	950,400	8.0	30	0.20
24-Apr-22	950,400	8.0	31	0.20
25-Apr-22	950,400	7.8	29	0.15
26-Apr-22	950,400	7.8	30	0.15
27-Apr-22	950,400	7.8	30	0.15
28-Apr-22	950,400	7.8	30	0.15
29-Apr-22	950,400	7.8	30	0.20
30-Apr-22	950,400	7.8	29	0.20
01-May-22	950,400	7.8	26	0.20
02-May-22	950,400	7.9	24	0.20
03-May-22	950,400	7.8	22	0.10
04-May-22	336,600	7.8	23	0.15
05-May-22	0	No discharge		
06-May-22	0			
07-May-22	0			
08-May-22	0			
09-May-22	0			

10-May-22	0	No discharge		
11-May-22	0			
12-May-22	0			
13-May-22	0			
14-May-22	0			
15-May-22	0			
16-May-22	0			
17-May-22	0			
18-May-22	0			
19-May-22	0			
20-May-22	0			
21-May-22	0			
22-May-22	396,000	7.9	29	0.20
23-May-22	950,400	7.9	29	0.15
24-May-22	792,000	7.9	29	0.15
25-May-22	831,600	7.9	30	0.15
26-May-22	950,400	8.0	29	0.15
27-May-22	950,400	7.9	29	0.15
28-May-22	950,400	7.8	30	0.15
29-May-22	950,400	7.9	30	0.15
30-May-22	772,200	7.9	29	0.10
31-May-22	653,400	7.9	30	0.10