





# Contract No. 13/WSD/17

# Design, Build and Operate First Stage of Tseung Kwan O **Desalination Plant**

# Monthly EM&A Report No.30 (Period from 1 August to 31 August 2022)

## Document No.

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Date:	19 September 2022	19 September 2022



Water Supplies Department New Works Branch Consultants Management Division 6/F Sha Tin Government Offices 1 Sheung Wo Che Road Sha Tin **New Territories** 

Your reference:

Our reference: HKWSD202/50/108244

Date: 20 September 2022

Attention: Mr Sam Hui/ Mr H L Lai

**BY EMAIL & POST** (email: wl hui@wsd.gov.hk/ jack hl lai@wsd.gov.hk)

**Dear Sirs** 

Agreement No. CE 5/2019 (EP) Independent Environmental Checker for First Stage of Tseung Kwan O Desalination Plant – Investigation Verification of Monthly EM&A Report No.30 (August 2022)

We refer to emails of 13, 15 and 19 September 2022 attaching Monthly EM&A Report No. 30 (August 2022) for the captioned project prepared by the ET.

We have no further comment and hereby verify the captioned report in accordance with Clause 3.5 of EP-503/2015/A Environmental Permit and Further Environmental the no. Permit no. FEP-01/503/2015/A.

Should you have any queries regarding the above, please do not hesitate to contact the undersigned on 2618 2831.

Yours faithfully ANEWR CONSULTING LIMITED

Louis Kwan

Independent Environmental Checker

KSYL/lsmt



Email: info@anewr.com Web: www.anewr.com

Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Monthly EM&A Report No.30





# **REVISION HISTORY**

REV.	DESCRIPTION OF MODIFICATION	DATE
A	First Issue for Comments	12/09/2022
В	Revised according to SOR's and IEC's comment	19/09/2022

Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Monthly EM&A Report No.30





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#### **EXECUTIVE SUMMARY**

#### **INTRODUCTION**

- A1. The Project, Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant (TKODP), is a Designated Project under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO) and is currently governed by a Further Environmental Permit (EP No. FEP 01/503/2015/A) for the construction and operation of the Contract.
- A2. In accordance with the Environmental Monitoring and Audit (EM&A) Manual for the Contract, EM&A works for marine water quality, noise, waste management and ecology should be carried out by Environmental Team (ET), Acuity Sustainability Consulting Limited (ASCL), during the construction phase of the Contract.
- A3. This is the 30<sup>th</sup> Monthly EM&A Report, prepared by ASCL, for the Contract summarizing the monitoring results and audit findings of the EM&A programme at and around Tseung Kwan O Area 137 (TKO 137) during the reporting period from 1 August 2022 to 31 August 2022.
- A4. The EM&A programme for this contract has covered environmental monitoring on construction noise level at selected NSRs and Contractor's environmental performance auditing in the aspects of construction dust, construction noise, water quality, waste management, Landscape and Visual and Ecology.

# SUMMARY OF MAIN WORKS UNDERTAKEN & KEY MITIGATION MEASURES IMPLEMENTED

- A5. Key activities carried out in this reporting period for the Contract included the followings:
  - 132 kV Underground utility (UU) and temporary emergency vehicular access (eva) construction work at Zone C
  - UU Construction Work at ActiDAFF, Reverse Osmosis (RO) Building, Chemical Building and Product Water Storage Tank (PWST)
  - Carbon steel pipe installation Work at PWST
  - Staircases and internal finishing work at RO Building
  - Construction of Sludge thickener, Post Treatment Building (PTB)
  - Internal finishing work for On-Site Chlorine Generation Building (OSCG Bldg) and CO<sub>2</sub> Tank Area
  - Manhole construction and Glass Reinforced Plastics (GRP) pipe installation
  - Design for Manufacturing and Assembly (DfMA) installation at PWST South side and RO Building North side
  - Installation of louvre, metal doors and timber doors in Main Electrical & Central Chiller Plant Building (MECCP)
  - Construction of parapet and internal finishes at G/F, 1/F and 2/F at Administration Building





- Installation of hoarding on 2/F at Administration Building
- Construction of stair tower and Steel fixing works for segment 6 and segment 4 at Inspection corridor
- Water proofing work on roof of Cartridge Filter Plant Room and Construction of kiosk and installation of louvre at ActiDAFF
- Water proofing work on roof at Chemical Building
- Install marine outfall structure, concreting, GRP Pipe installation, Dredging for diffuser at Outfall Shaft
- Leveling of formation level & install marine intake structure at Intake Shaft
- Permanent structure construction from +4.9mPD to +15.3mPD at Combined Shaft
- Permanent structure Wall construction from +6.8 to 14.3mPD at Pump room
- Excavation at slope toe and access erection, mini piles construction
- Trench excavation and structure installation, Grouting and Backfill at Open Channel
- E&M works ActiDAFF (cell 1, 3, 5, 6, 7) Scaffolding, installation of mechanical equipment and piping
- E&M works RO building Installation of building services, electrical switchboard, Installation of mechanical equipment, steel pipe, GRP pipe, Lifting of electrical switchboard
- E&M works MECCP Installation of chillers, building services, electrical switchboard
- E&M works PWST Installation of building services, Installation of mechanical equipment, steel pipe
- E&M works PTB Installation of building services, Lifting of lime silo, filter press
- E&M works Administration Building Installation of building services
- E&M works Chemical Building Installation of building services, Lifting of steel tanks

#### A6. The major environmental impacts brought by the above construction works include:

- Construction dust and noise generation from construction works, excavation works, rock cutting works and pipe piling driving works
- Waste generation from the construction activities; and
- Impact on water quality from marine construction works and inland construction works.





- A7. The key environmental mitigation measures implemented for the Contract in this reporting period associated with the above construction works include:
  - Dust suppression by regular wetting and water spraying for construction works;
  - Reduction of noise from equipment and machinery on-site and regular inspection to machinery and plants/vehicles on-site to ensure proper functioning;
  - Sorting and storage of general refuse and construction waste; and
  - Deployment of temporary silt curtain in the area where marine construction works were conducted and deployment of water sedimentation tanks for treatment of wastewater at inland and marine areas before discharge.

#### **SUMMARY OF EXCEEDANCE & INVESTIGATION & FOLLOW-UP**

- A8. No noise monitoring was conducted during the reporting period since there are no Contract -related construction activities undertaken within a radius of 300m from the monitoring locations. No exceedance of the Action Level was recorded during the reporting period.
- A9. The EM&A works for water quality were conducted during the reporting period in accordance with the EM&A Manual.
- A10. Twenty-one (21) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Eleven (11) of the general water quality monitoring results of SS obtained during the reporting period had exceeded the Limit Level.
- A11. Investigation on the reason of exceedance has been carried out, where the exceedances of SS on 2, 4, 6, 9, 11, 15 and 30 August 2022 were concluded to be unrelated to the Contract as detailed in the Incident Reports on Action Level or Limit Level Noncompliance along with supporting materials in **Appendix 0**.
- A12. In this reporting period, 54 times of landfill gas monitoring was conducted at Wan Po Road (Ch1+513 Ch1+625). No action and limit level exceedance was recorded in the reporting period.
- A13. Joint site inspections of the construction work by ET and IEC were carried out on 2, 9, 16, 23 and 31 August 2022 to audit the mitigation measures implementation status. Recommendations were recorded in the site inspection checklists and provided to the contractors together with the appropriate follow-up actions where necessary.

## **COMPLAINT HANDLING AND PROSECUTION**

A14. No environmental complaint, notification of summons and prosecution was received in the reporting period.





#### **REPORTING CHANGE**

A15. There was no change to be reported that may affect the on-going EM&A programme.

#### **SUMMARY OF UPCOMING KEY ISSUES AND KEY MITIGATION MEASURES**

- A16. Key activities anticipated in the next reporting period for the Contract will include the followings:
  - 132 kV Underground utility (UU) and temporary emergency vehicular access (eva) construction work at Zone C
  - UU Construction Work at ActiDAFF, Reverse Osmosis (RO) Building, Chemical Building and Product Water Storage Tank (PWST)
  - Carbon steel pipe installation Work at PWST
  - Staircases and internal finishing work at RO Building
  - Construction of Sludge thickener, Post Treatment Building (PTB)
  - Internal finishing work for On-Site Chlorine Generation Building (OSCG Bldg) and CO<sub>2</sub> Tank Area
  - Manhole construction and Glass Reinforced Plastics (GRP) pipe installation
  - Design for Manufacturing and Assembly (DfMA) installation at PWST South side and RO Building North side
  - Installation of louvre, metal doors and timber doors in Main Electrical & Central Chiller Plant Building (MECCP)
  - Construction of parapet and internal finishes at G/F, 1/F, and 2/F at Administration Building
  - Installation of hoarding on 2/F at Administration Building
  - Construction of stair tower and Steel fixing works for segment 6 and segment 4 at Inspection corridor
  - Water proofing work on roof of Cartridge Filter Plant Room and Construction of kiosk and installation of louvre at ActiDAFF
  - Water proofing work on roof at Chemical Building
  - Install marine outfall structure, concreting, GRP Pipe installation, Dredging for diffuser at Outfall Shaft
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  - Permanent structure construction from +4.9mPD to +15.3mPD at Combined Shaft
  - Permanent structure Wall construction from +6.8 to 14.3mPD at Pump room
  - Excavation at slope toe and access erection, mini piles construction
  - Trench excavation and structure installation, Grouting and Backfill at Open Channel
  - E&M works ActiDAFF (cell 1, 3, 5, 6, 7) Scaffolding, installation of mechanical equipment and piping





- E&M works RO building Installation of building services, electrical switchboard, Installation of mechanical equipment, steel pipe, GRP pipe, Lifting of electrical switchboard
- E&M works MECCP Installation of chillers, building services, electrical switchboard
- E&M works PWST Installation of building services, Installation of mechanical equipment, steel pipe
- E&M works PTB Installation of building services, Lifting of lime silo, filter press
- E&M works Administration Building Installation of building services
- E&M works Chemical Building Installation of building services, Lifting of steel tanks
- A17. The major environmental impacts brought by the above construction works will include:
  - Construction dust and noise generation from excavation and construction works;
  - Waste generation from construction activities; and
  - Impact on water quality from marine construction works and inland construction works.
- A18. The key environmental mitigation measures for the Contract in the coming reporting period associated with the above construction works will include:
  - Reduction of noise from equipment and machinery on-site;
  - Dust suppression by regular wetting and water spraying for construction works and at main haul road;
  - Sorting and storage of general refuse and construction waste; and
  - Deployment of temporary silt curtain in the area where marine construction works were conducted and deployment of water sedimentation tanks for treatment of wastewater at inland and marine areas before discharge.





#### 1. Basic Contract Information

#### **BACKGROUND**

- 1.1. The Acciona Agua, S.A. Trading, Jardine Engineering Corporation, Limited and China State Construction Engineering (Hong Kong) Limited as AJC Joint Venture (AJCJV) is contracted to carry out the Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant (DPTKO) under Contract No. 13/WSD/17 (the Contract).
- 1.2. Acuity Sustainability Consulting Limited (ASCL) is commissioned by AJCJV to undertake the Environmental Team (ET) services as required and/or implied, both explicitly and implicitly, in the Environmental Permit (EP), Environmental Impact Assessment Report (EIA Report) (Register No. AEIAR-192/2015) and Environmental Monitoring and Audit Manual (EM&A Manual) for the Contract; and to carry out the Environmental Monitoring and Audit (EM&A) programme in fulfillment of the EIA Report's EM&A requirements and Contract No. 13/WSD/17 Specification requirements.
- 1.3. Pursuant to the Environmental Impact Assessment Ordinance (EIAO), the Director of Environmental Protection granted the Environmental Permit (No. EP-01/503/2015) and Variation of Environmental Permit (No. EP-01/503/2015/A) to Water Supplies Department (WSD); and granted the Further Environmental Permit (No. FEP-01/503/2015/A) to AJCJV for the Contract.

#### THE REPORTING SCOPE

1.4. This is the 30<sup>th</sup> Monthly EM&A Report for the Contract which summarizes the key findings of the EM&A programme during the reporting period from 1 August to 31 August 2022.

#### **CONTRACT ORGANIZATION**

1.5. The Contract Organization structure for Construction Phase is presented in **Figure 1.1**.

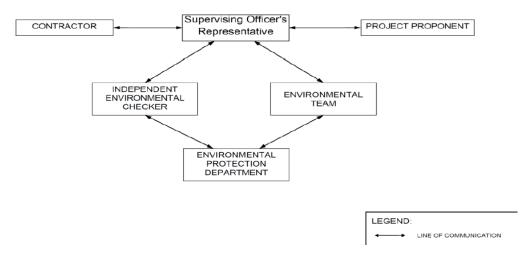


Figure 1.1 Contract Organization Chart

1.6. Contact details of the key personnel are presented in **Table 1.1** below:





**Table 1.1** Contact Details of Key Personnel

Party	Position	Name	Telephone no.
Contract Proponent (Water Supplies Department)	SE/CM2	Benny Lam	2634-3573
Supervising Officer	Project Manager	Christina Ko	2608-7302
(Binnies Hong Kong Limited)	Chief Resident Engineer	Roger Wu	6343-1002
The Jardine Engineering Corporation, Limited, China	Project Manager	Stephen Yeung	2807-4665
State Construction Engineering (Hong Kong) Limited and Acciona Agua, S.A. Trading	Environmental Monitoring Manager	Brian Kam	9456-9541
Acuity Sustainability Consulting Limited	Environmental Team Leader	Jacky Leung	2698-6833
ANewR Consulting Limited	Independent Environmental Checker (IEC)	Louis Kwan	2618-2831

#### **SUMMARY OF CONSTRUCTION WORKS**

- 1.7. Details of the major construction activities undertaken in this reporting period are shown as below. The construction programme is presented in **Appendix A**.
- 1.8. Key activities carried out in this reporting period for the Contract included the followings:
  - 132 kV Underground utility (UU) and temporary emergency vehicular access (eva) construction work at Zone C
  - UU Construction Work at ActiDAFF, Reverse Osmosis (RO) Building, Chemical Building and Product Water Storage Tank (PWST)
  - Carbon steel pipe installation Work at PWST
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- E&M works Administration Building Installation of building services
- E&M works Chemical Building Installation of building services, Lifting of steel tanks
- 1.9. A summary of the valid permits, licences, and/or notifications on environmental protection for this Contract is presented in **Table 1.2**.

Table 1.2 Summary of the Status of Valid Environmental Licence, Notification, Permit and Documentations

Dormit / Licongo	Valid Period		Status	Remark				
Permit/ Licences	From To		Status					
<b>Environmental Permit</b>	Environmental Permit							
FEP - 01/503/2015/A	Throughout	the Contract	Valid	-				
Notification of Constru	Notification of Construction Works under the Air Pollution Control (Construction							
Dust) Regulation (Form NA)								
451539	Throughout the Contract		Valid	-				
Billing Account for Disposal of Construction Waste								
7036276	Throughout	the Contract	Valid	-				





Donnit / Liconges	Valid	Period	Ctatus	Remark			
Permit/ Licences	From To		Status	Kelliark			
Chemical Waste Producer Registration							
5213-839-A2987-01	Throughout the Contract		Valid	-			
Wastewater Discharge	e Licence (Lan	d and Marine v	works)				
WT00035775-2020	23/08/2021 31/07/2025		Valid	-			
Construction Noise Permit							
GW-RE0627-22	29/06/2022	21/12/2022	Valid	-			

1.10. The status for all environmental aspects is presented in **Table 1.3**.

Table 1.3 Summary of Status for Key Environmental Aspects under the EM&A Manual

Parameters	Status
Water Quality	
Baseline Monitoring under EM&A Manual	The baseline water quality monitoring was conducted between 12 May 2020 to 6 Jun 2020
Impact Monitoring	On-going
Noise	
Baseline Monitoring	The baseline noise monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under EP Condition 3.4
Impact Monitoring	On-going
Waste Management	
Mitigation Measures in Waste Management Plan	On-going
Landfill Gas	
Regular Monitoring when Construction Works are within the 250m Consultation Zone	In this reporting period, 54 times of landfill gas monitoring was conducted at Wan Po Road (Ch1+513 – Ch1+625).
Environmental Audit	
Site Inspection covering Measures of Air Quality, Noise Impact, Water Quality, Waste, Ecological Quality, Fisheries, Landscape and Visual	On-going

- 1.11. Other than the EM&A work by ET, environmental briefings, trainings, and regular environmental management meetings were conducted, in order to enhance environmental awareness and closely monitor the environmental performance of the contractors.
- 1.12. The EM&A programme has been implemented in accordance with the recommendations presented in the approved EIA Report and the EM&A Manual. A summary of implementation status of the environmental mitigation measures for the construction phase of the Contract during the reporting period is provided in **Appendix C**.





## 2. Noise

#### MONITORING REQUIREMENTS

- 2.1. To ensure no adverse noise impact, noise monitoring is recommended to be carried out within 300m radius from the nearby noise sensitive receivers (NSRs), during construction phase. The NSRs selected as monitoring station are (i) NSR4 Creative Secondary School, (ii) NSR24 PLK Laws Foundation College, and (iii) NSR31 School of Continuing and Professional Studies CUHK respectively.
- 2.2. In accordance with the EM&A Manual, baseline noise level at the noise monitoring stations were established as presented in the Baseline Monitoring Report. Impact noise monitoring will be conducted once per week in the form of 30-minutes measurements  $L_{\rm eq}$ ,  $L_{10}$  and  $L_{90}$  levels recorded at each monitoring station between 0700 and 1900 on normal weekdays.
- 2.3. Referring to EM&A manual Section 4.1.2, the impact noise monitoring should be carried out at all the designated monitoring stations when there are contract-related construction activities undertaken within a radius of 300m from the monitoring stations.
- 2.4. No impact monitoring for noise impact was conducted in the reporting month due to the overly distant monitoring station from the works location, where they were farther than 1 km from the closest monitoring station NSR4 to the works location.
- 2.5. Impact noise monitoring will be conducted weekly in the reporting period between 0700-1900 on normal weekdays. Construction works would follow stipulations of the valid Construction Noise Permits if works had to be conducted during restricted hours or public holidays.
- 2.6. Construction noise level were measured in terms of the A-weighted equivalent continuous sound pressure level (LAeq). Leq 30min was used as the monitoring parameter for the time period between 0700 and 1900 on normal weekdays. Table 2.1 summarizes the monitoring parameters, frequency, and duration of the impact noise monitoring.

**Table 2.1** Noise Monitoring Parameters, Time, Frequency and Duration

Time	Duration	Interval	Parameters
Daytime: 0700-1900	Day time: 0700-1900 (during normal weekdays)	Continuously in $L_{eq~5min}/L_{eq~30min}$ (average of 6 consecutive $L_{eq~5min}$ )	$\begin{array}{c} L_{eq~30min} \\ L_{10~30min}~\&~L_{90~30min} \end{array}$





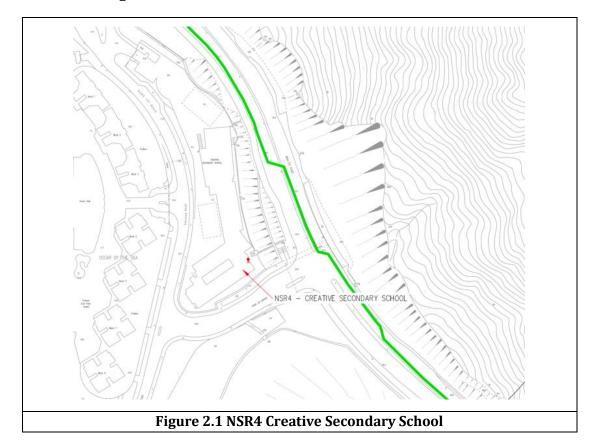
#### **MONITORING LOCATIONS**

- 2.7. The monitoring locations were normally made at a point 1m from the exterior of the NSRs building façade and be at a position 1.2m above the ground. A correction of +3dB(A) should be made to the free-field measurements.
- 2.8. According to the environmental findings detailed in the EIA report and Baseline Monitoring Report, the designated locations for the construction noise monitoring are listed in **Table 2.2** below.

**Table 2.2 Noise Sensitive Receivers** 

NSR ID	Noise Sensitive Receivers	Monitoring Location	Position
NSR 4	Creative Secondary School	Roof Floor	1 m from facade
NSR 24	PLK Laws Foundation College	Pedestrian Road on Ground Floor	Free-field
NSR 31	School of Continuing and Professional Studies - CUHK	Roof Floor	1 m from facade

2.9. Three noise monitoring locations for impact monitoring at the nearby sensitive receivers are shown in **Figure 2.1-2.3**.







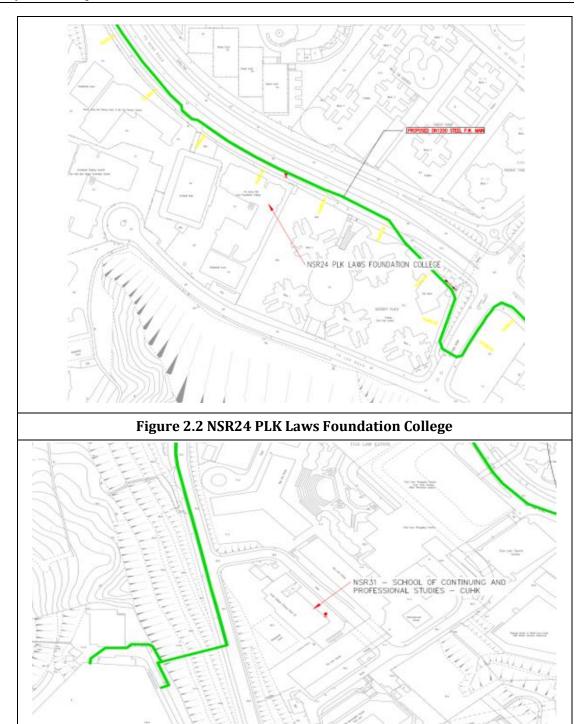


Figure 2.3 NSR31 School of Continuing and Professional Studies - CUHK





#### **IMPACT MONITORING METHODOLOGY**

- 2.10. Integrated sound level meter was used for the noise monitoring. The meter was in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications. Immediately prior to and following each noise measurement the accuracy of the sound level meter was checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements was accepted as valid only if the calibration levels before and after the noise measurements agree to within 1.0 dB(A). Calibration certificates of the instruments used to be shown at **Appendix F** are intentionally left blank since no impact monitoring equipment was used in the reporting month.
- 2.11. Noise measurements were not made in the presence of fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.

#### **ACTION AND LIMIT LEVELS**

2.12. The Action/Limit Levels are in line with the criteria of Practice Note for Professional Persons (ProPECC PN 2/93) "Noise from Construction Activities – Non-statutory Controls" and Technical Memorandum on Environmental Impact Assessment Process issued by HKSAR Environmental Protection Department ["EPD"] under the Environmental Impact Assessment Ordinance, Cap 499, S.16 are presented in **Table 2.3**.

Table 2.3 Action and Limit Levels for Noise per EM&A Manual

Time Period	Action	Limit (dB(A))
		• 70 dB(A) for school
0700-1900 on normal	complaint is received from any	and
weekdays	one of the noise sensitive receivers	65 dB(A) during examination period

Note: Limits specified in the GW-TM and IND-TM for construction and operation noise, respectively.

2.13. If exceedances were found during noise monitoring, the actions in accordance with the Event and Action Plan shall be carried out according to **Appendix E**.





#### MONITORING RESULTS AND OBSERVATIONS

2.14. Referring to EM&A Manual Section 4.1.2, the impact noise monitoring should be carried out when there are Contract-related construction activities undertaken within a radius of 300m from the monitoring stations. No monitoring station was located within a radius of 300m of the Contract site as shown in **Figure 2.4**, no impact monitoring for noise impact was conducted in the reporting period.

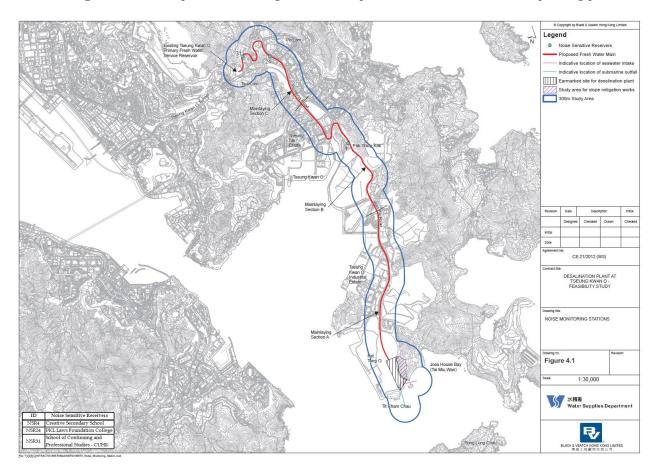


Figure 2.4 Site Layout Plan with Noise Sensitive Receivers and Desalination Plant





# 3. WATER QUALITY

- 3.1. In accordance with the recommendations of the EIA, water quality monitoring is required during dredging for the submarine pipelines and, during operation phase. In addition, baseline water quality monitoring will be required prior to the commencement of marine construction activities. The following Section provides details of the water quality monitoring to be undertaken by the Environmental Team (ET) to verify the distance of sediment and brine plume dispersion and to identify whether the potential exists for any indirect impacts to occur to ecological sensitive receivers. The water quality monitoring programme will be carried out to allow any deteriorating water quality to be readily detected and timely action taken to rectify the situation. The status and locations of water quality sensitive receivers and the marine works location may change after issuing this Document. If required, the ET in consultation with IEC will propose updated monitoring locations and seek approval from EPD.
- 3.2. Water quality monitoring for the Contract can be divided into the following stages:
  - Dredging activities during construction phase;
  - · Discharge of effluent from main disinfection during construction phase;
  - · Operation phase first year upon commissioning; and,
  - · Continuous monitoring of effluent quality.

#### WATER QUALITY PARAMETERS

3.3. The parameters that have been selected for measurement in situ and in the laboratory are those that were either determined in the EIA to be those with the most potential to be affected by the construction works or are a standard check on water quality conditions. Parameters to be measured in the impact monitoring are listed in **Table 3.1**.

Table 3.1 Parameters measured in the Impact Marine Water Quality Monitoring

Parameters	Unit	Abbreviation
In-situ measurements		
Dissolved oxygen	mg/L	DO
Temperature	оС	-
рН	-	-
Turbidity	NTU	-
Salinity	0/00	-
Total Residual Chlorine NOTE1	mg/L	TRC
Laboratory measurements		
Suspended Solids	mg/L	SS
Iron-Soluble	mg/L	Fe
Anti-scalant as Reactive Phosphorus	mg/L	PO4 as P-

NOTE 1: Monitoring of Total Residual Chlorine will be conducted when cleaning and sterilization of the new freshwater main is carried out.





3.4. In addition to the water quality parameters, other relevant data were also being measured and recorded in Water Quality Monitoring Logs, including the location of the sampling stations, water depth, time, weather conditions, sea conditions, tidal stage, current direction and velocity, special phenomena and work activities undertaken around the monitoring and works area that may influence the monitoring results.

#### MONITORING EQUIPMENT

3.5. For water quality monitoring, the following equipment were used:

**Dissolved Oxygen and Temperature Measuring Equipment** - The instrument was a portable, weatherproof dissolved oxygen measuring instrument complete with cable, sensor, comprehensive operation manuals, and was operable from a DC power source. It was capable of measuring: dissolved oxygen levels in the range of 0 - 20 mg/L and 0 - 200% saturation; and a temperature of 0 - 45 degrees Celsius. It has a membrane electrode with automatic temperature compensation complete with a cable of not less than 35 m in length. Sufficient stocks of spare electrodes and cables were available for replacement where necessary (e.g. YSI model 59 DO meter, YSI 5739 probe, YSI 5795A submersible stirrer with reel and cable or an approved similar instrument).

**Turbidity Measurement Equipment** - The instrument was a portable, weatherproof turbidity-measuring unit complete with cable, sensor and comprehensive operation manuals. The equipment was operated from a DC power source, it has a photoelectric sensor capable of measuring turbidity between 0 - 1000 NTU and complete with a cable with at least 35 m in length (for example Hach 2100P or an approved similar instrument).

**Salinity Measurement Instrument** - A portable salinometer capable of measuring salinity in the range of 0 - 40 ppt was provided for measuring salinity of the water at each monitoring location.

**Water Depth Gauge** – A portable, battery-operated echo sounder (for example Seafarer 700 or a similar approved instrument) was used for the determination of water depth at each designated monitoring station. This unit will preferably be affixed to the bottom of the work boat if the same vessel is to be used throughout the monitoring programme. The echo sounder was suitably calibrated.

**Positioning Device** – A Global Positioning System (GPS) was used during monitoring to allow accurate recording of the position of the monitoring vessel before taking measurements. The Differential GPS, or equivalent instrument, was suitably calibrated at appropriate checkpoint (e.g. Quarry Bay Survey Nail) to verify that the monitoring station is at the correct position before the water quality monitoring commence.

**Water Sampling Equipment** - A water sampler, consisting of a PVC or glass cylinder of not less than two litres, which can be effectively sealed with cups at both ends, was used. The water sampler has a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth.

**Total Residual Chlorine for Discharge of Sterilization Water** - Total residual chlorine (TRC) shall be measured in-situ using a handheld colorimeter with its testing toolkits.





#### **SAMPLING / TESTING PROTOCOLS**

- 3.6. All in situ monitoring instruments were checked, calibrated, and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme before use, and subsequently re-calibrated at monthly intervals throughout the stages of the water quality monitoring. Responses of sensors and electrodes were checked with certified standard solutions before each use.
- 3.7. **Table 3.2** summarizes the equipment used in the water quality monitoring program. The copies of the calibration certification of multi-parameter water quality system are shown in the **Appendix N**.

Table 3.2 Water Quality Monitoring Equipment

Model & Make	Serial Number	Calibration Expiry Date	Qty.
Water Sampler			
A 2-Litre transparent PVC cylinder with latex cups at both ends (Kahlsico Water Sampler 13SWB20)	-	-	1
Multi-parameter Water Quality System			
HORIBA U-53	PPHNOMXY	3 Nov 22	2.
YSI ProDSS	22C106561	10 Oct 22	2

3.8. On-site calibration of field equipment was following 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 made available so that monitoring can proceed uninterrupted even when equipment is under maintenance, calibration etc.

#### **LABORATORY MEASUREMENT AND ANALYSIS**

- 3.9. All laboratory works were carried out in a HOKLAS accredited laboratory. Sufficient volume of each water sample was collected at the monitoring stations for carrying out the laboratory analyses. Using chain of custody forms, collected water samples were transferred to a HOKLAS accredited laboratory for immediate processing. The determination work was start within the next working day after collection of the water samples. The laboratory measurements were provided to the client within 5 working days of the sampling event. Analytical methodology and sample preservation of other parameters were based on the latest edition of Standard Methods for the Examination of Waste and Wastewater published by APHA, AWWA and WPCF and methods by USEPA, or suitable method in accordance with requirements of HOKLAS or another internationally accredited scheme. The QA/QC details were in accordance with requirements of HOKLAS or another internationally accredited scheme.
- 3.10. Parameters for laboratory measurements, standard methods and detection limits are presented in **Table 3.3**.





Table 3.3 Laboratory measurements, standard methods, and corresponding detection limits of marine water quality monitoring

mints of marine water quanty monitoring							
Parameters	Standard Methods	Detection Limit	Reporting Limit	Precision			
Dissolved oxygen	Instrumental, CTD	0.1	-	±25%			
Temperature	Instrumental, CTD	0.1	-	±25%			
рН	Instrumental, CTD	0.1	-	±25%			
Turbidity	Instrumental, CTD	0.1	-	±25%			
Salinity	Instrumental, CTD	0.1	-	±25%			
Suspended Solids	APHA 23rd Ed 2540D	1.0	2.5	±17%			
Total Residual Chlorine	APHA 21st Ed 4500 – ClG	0.1	0.2	±10%			
Iron-soluble	USEPA 6010C	0.2	0.2	±25%			
Anti-scalant as Reactive phosphorus	APHA 4500P: B&F	0.01	0.01	±25%			

3.11. If exceedances were found during water monitoring, the actions in accordance with the Event and Action Plan will be carried out according to **Appendix G**.

#### MONITORING LOCATION

3.12. The Impact water quality monitoring locations are in accordance with the EM&A Manual and detailed in **Table 3.4** below. A schedule for water quality monitoring was prepared by the ET and approved by IEC and EPD prior to the commencement of the monitoring.

Table 3.4 Location of Impact Water Quality Monitoring Stations

Station	Easting	Northing	Description	
CE	843550	815243	Upstream control station at ebb tide	
CF	846843	810193	Upstream control station at flood tide	
WSR1	846864	812014	Ecological sensitive receiver at Tung Lung Chau	
WSR2	847645	812993	Fisheries sensitive receiver at Tung Lung Chau	
WSR3	848023	813262	Ecological sensitive receiver at Tung Lung Chau	
WSR4	847886	814154	Ecological sensitive receiver at Tai Miu Wan	
WSR16	845039	815287	Ecological sensitive receiver at Fat Tong Chau	
WSR33	847159	814488	Ecological sensitive receiver at Tai Miu Wan	
WSR36	846878	814081	Ecological sensitive receiver at Kwun Tsai	
WSR37	846655	813810	Ecological sensitive receiver at Tit Cham Chau	





NF1	846542	813614	Edge of mixing zone, ~ 200m west of outfall diffuser
NF2	846942	813614	Edge of mixing zone, ~ 200m east of outfall diffuser
NF3	846742	813414	Edge of mixing zone, $\sim 200$ m south of outfall diffuser

3.13. WSR1 to WSR37 were identified in accordance with Annex 14 of the EIAO-TM as well as Clause 3.4.4.2 of the Environmental Impact Assessment Study Brief for Desalination Plant at Tseung Kwan O (No. ESB-266/2013). WSR1 to WSR3 are sited near the Tung Lung Chau Fish Culture Zone; WSR16 and WSR36 are sited near the coral assemblages along the coastlines of Fat Tong Chau and Kwun Tsai respectively; WSR 4 and WSR33 are sited near the Coastal Protection Area and coral assemblages in waters of Tai Miu Wan; WSR37 is sited near the fisheries resource including spawning and nursery grounds at the coastal water of Tit Cham Chau.





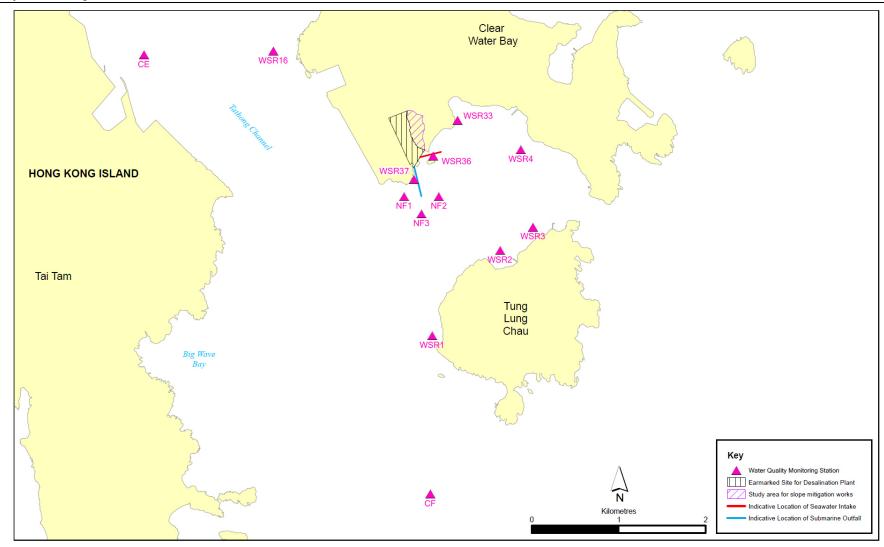


Figure 3.1 Impact water quality monitoring locations under EM&A Manual





#### **SAMPLING FREQUENCY**

- 3.14. During periods when there are dredging works, impact monitoring was undertaken at the monitoring stations as shown in **Figure 3.1** and **Table 3.4** three days per week during the construction phase after the commencement of marine construction works and dredging activities. Monitoring at each station was undertaken at both mid-ebb and mid-flood tides on the same day. The tidal range selected for the impact monitoring was at least 0.5 m for both flood and ebb tides as far as practicable. The interval between two sets of monitoring was not less than 36 hours. The monitoring frequency would be increased in the case of exceedances of Action/Limit Levels if considered necessary by ET. Monitoring frequency would be maintained as far as practicable.
- 3.15. The monitoring location/position, time, water depth, water temperature, salinity, weather conditions, sea conditions, tidal stage, special phenomena and work underway at the marine works site were recorded.

#### **SAMPLING DEPTHS & REPLICATION**

3.16. For Impact monitoring, each station was sampled, and measurements/ water samples was taken at three depths, 1 m below the sea surface, mid-depth, and 1 m above the seabed. For stations that are less than 3 m in depth, only the mid depth sample was taken. For stations that are less than 6 m in depth, only the surface and seabed sample were taken. For in situ measurements, duplicate readings were made at each water depth at each station. Duplicate water samples were collected at each water depth at each station. All water quality monitoring results were summarized in **Appendix L**.

#### **ACTION AND LIMIT LEVELS**

3.17. The Action and Limit Levels have been set based on the derivation criteria specified in the EM&A Manual. The Action/Limit Levels have been derived and are presented in **Table 3.5**.

#### MONITORING PROGRAMME

3.18. The commencement of marine construction and dredging activities for the Contract have been conducted in March and April 2021 respectively.

Table 3.5 Derived Action and Limit Levels for Water Quality

Parameters	Action	Limit				
Construction Phase Impact Monitoring						
DO in mg/L	Surface and Middle	Surface and Middle				
	7.30 mg L <sup>-1</sup>	4 mg L <sup>-1</sup>				
	<u>Bottom</u>	<u>Bottom</u>				
	7.31 mg L <sup>-1</sup>	2 mg L <sup>-1</sup>				
	Tung Lung Chau Fish Culture Zone	Tung Lung Chau Fish Culture Zone				
	5.1 mgL-1 or level at control station	5.0 mgL-1 or level at control station				
	(whichever the lower)	(whichever the lower)				





SS in mg/L	5.00 mg L-1 or 20% exceedance of	6.00 mg L-1 or 30% exceedance of					
(Depth-averaged)	value at any impact station	value at any impact station					
	compared with corresponding data	compared with corresponding data					
	from control station	from control station					
Turbidity in NTU	2.41 NTU or 20% exceedance of	2.84 NTU or 30% exceedance of					
(Depth-averaged)	value at any impact station	value at any impact station					
	compared with corresponding data	compared with corresponding data					
	from control station	from control station					
First-year Operation Phase Monitoring iv							
DO in mg/L	Surface and Middle	Surface and Middle					
	$7.30~{ m mg}~{ m L}^{ m -1}$	4 mg L <sup>-1</sup>					
	<u>Bottom</u>	<u>Bottom</u>					
	7.31 mg L <sup>-1</sup>	2 mg L <sup>-1</sup>					
	Tung Lung Chau Fish Culture Zone	Tung Lung Chau Fish Culture Zone					
	5.1 mgL <sup>-1</sup> or level at control station	5.0 mgL-1 or level at control station					
	(whichever the lower)	(whichever the lower)					
SS in mg/L	5.00 mg L-1 or 20% exceedance of	6.00 mg L-1 or 30% exceedance of					
(Depth-averaged)	valueat any impact station	value at any impact station					
	compared with corresponding data	compared with corresponding data					
	from control station	from control station					
T 1:14 . NITH	2.44 NITH - 2007	2.04 NEW 2007					
Turbidity in NTU	2.41 NTU or 20% exceedance of						
(Depth-averaged)	value at any impact station	value at any impact station					
	compared with corresponding data	compared with corresponding data					
	from control station	from control station					
Salinity in PSU	34.28 PSU or 9% exceedance of	34.60 PSU or 10% exceedance of					
(Depth-averaged)	value at any impact station	value at any impact station					
	compared with corresponding data	compared with corresponding data					
	from control station	from control station					
Iron in mg/L	0.3 mgL <sup>-1</sup>	0.3 mgL <sup>-1</sup>					
(Depth-averaged)							

#### Notes:

- i. "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.
- ii. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- iii. For Turbidity, SS, iron and Salinity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- iv. For the Action and Limit Levels adopted during First-year Operation Phase Monitoring, further review would be made according to the EM&A Manual during Operation Phase.

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#### MONITORING RESULTS AND OBSERVATIONS

- 3.19. General water quality monitoring at the ten monitoring stations (CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36 and WSR37) were conducted 2, 4, 6, 9, 11, 13, 15, 17, 21, 23, 27 and 30 August 2022.
- 3.20. Due to adverse weather condition, water quality monitoring was cancelled on 9 August (Mid-Flood Tide) and 25 August 2022. Water quality monitoring schedule are presented in **Appendix D**.
- 3.21. Twenty-one (21) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Eleven (11) of the general water quality monitoring results of SS obtained during the reporting period had exceeded the Limit Level.
- 3.22. Investigation on the reason of exceedance has been carried out, where the exceedances of SS on 2, 4, 6, 9, 11, 15 and 30 August 2022 were concluded to be unrelated to the Contract as detailed in the Incident Reports on Action Level or Limit Level Non-compliance along with supporting materials in **Appendix 0**.
- 3.23. Monitoring results of 6 key parameters: Salinity, DO, turbidity, SS, pH, and temperature in this reporting, are summarized in **Table 3.6** and **Table 3.7**, and detailed results are presented in **Appendix L**.
- 3.24. Algal Bloom was observed at the marine water between CEDD pier and Outfall Shaft on 1 August 2022 by the Contractor. Also, as reported by the Contractor on 26 August 2022, silty plume was observed originated from the beach adjacent to the Country Park. No evidence shown that the silty plume was caused / related to the Project. It is concluded that the incident was non-Project related. ET will closely monitor the water quality and the implementation of water mitigation measure, to ensure no adverse impact to water quality and ecology.





Table 3.6 Summary of Impact Water Quality Monitoring Results (Mid-Flood)

					Paramete	rs		
Locations		Salinity		d Oxygen g/L)	- рН	Turbidity	Suspended	Temp.(°C)
		(ppt)	Surface & Middle	Bottom	P	(NTU)	Solids (mg/L)	Temp.( e)
	Avg.	30.6	8.9	8.9	8.2	3.4	3.8	28.4
CE	Min.	28.4	8.5	8.4	8.0	2.8	2.5	21.5
	Max.	32.9	9.7	9.6	8.4	4.4	19.0	30.6
	Avg.	30.3	8.8	8.8	8.2	3.8	3.8	29.2
CF	Min.	28.1	8.2	8.4	8.0	3.0	2.5	28.6
	Max.	31.7	9.7	9.6	8.3	4.8	9.0	30.1
	Avg.	30.5	9.0	9.0	8.2	2.6	3.8	29.3
WSR1	Min.	28.7	8.1	8.1	8.0	2.0	2.5	28.5
	Max.	32.1	9.7	9.8	8.4	3.4	9.0	30.3
	Avg.	30.2	8.9	8.9	8.9 8.2 2.3		4.0	29.1
WSR2	Min.	n. 28.8	8.5	8.5	8.1	1.8	2.5	28.1
	Max.	32.7	9.5	9.3	8.3	3.3	9.0	30.2
	Avg.	30.5	8.9	8.9	8.2	2.7	4.5	29.2
WSR3	Min.	28.2	8.0	8.1	8.1	2.2	2.5	28.4
	Max.	31.8	10.0	9.8	8.3	3.5	9.0	30.1
	Avg.	30.5	8.9	8.9	8.2	2.5	4.3	29.1
WSR4	Min.	29.2	8.2	8.2	8.1	2.0	2.5	28.2
	Max.	32.3	9.5	9.4	8.4	3.5	10.0	30.6
	Avg.	30.4	9.0	9.0	8.2	2.7	3.7	29.2
WSR16	Min.	28.9	8.5	8.6	8.0	2.0	2.5	28.5
	Max.	31.9	9.8	9.9	8.4	3.6	9.0	30.1
	Avg.	30.4	8.8	8.9	8.2	2.7	3.9	29.2
WSR33	Min.	28.9	8.3	8.3	8.0	2.0	2.5	28.5
	Max.	32.3	9.5	9.5	8.3	3.9	8.0	30.0
	Avg.	30.4	8.9	8.9	8.2	2.8	3.6	29.1
WSR36	Min.	28.1	8.3	8.3	8.0	2.0	2.5	28.6
	Max.	32.4	9.6	9.5	8.4	4.1	9.0	30.3
	Avg.	30.5	8.9	8.9	8.2	2.7	3.5	29.3
WSR37	Min.	28.2	8.4	8.4	8.0	2.1	2.5	28.3
	Max.	31.8	9.6	9.7	8.4	3.7	8.0	30.6

# Notes:

i. "Avg", "Min" and "Max" is the average, minimum and maximum respectively of the data from measurements conducted under mid-flood and mid-ebb tides at three water depths, except that of DO where the data for "Surface & Middle" and "Bottom" are calculated separately.

ii. Measurement data of Suspending Solids would be rounding to 2.5mg/L if the value was less than 2.5mg/L to facilitate data analysing.





Table 3.7 Summary of Impact Water Quality Monitoring Results (Mid-Ebb)

					Paramete	rs		
Locations		Salinity (ppt)	(mg	d Oxygen g/L)	pН	Turbidity (NTU)	Suspended	Temp.(°C)
		(ррг)	Surface & Middle	Bottom		(NTO)	Solids (mg/L)	
	Avg.	30.8	8.9	8.9	8.2	3.8	5.4	29.2
CE	Min.	29.0	8.3	8.3	8.0	3.2	2.5	28.3
M	Max.	32.8	9.8	9.7	8.4	5.0	14.0	30.4
	Avg.	30.6	8.7	8.7	8.2	3.3	5.3	29.2
CF	Min.	28.0	8.1	8.1	8.0	2.6	2.5	28.2
	Max.	31.8	9.5	9.4	8.4	4.4	14.0	30.2
	Avg.	30.6	8.8	8.9	8.2	2.6	5.1	29.2
WSR1	Min.	28.2	8.1	8.1	8.0	2.0	2.5	28.2
	Max.	32.1	9.7	9.7	8.4	3.6	16.0	30.1
	Avg.	30.6	8.8	8.8	8.2	2.3	5.4	29.2
WSR2	Min.	29.2	8.1	8.0	8.0	1.8	2.5	28.3
	Max.	32.2	9.5	9.4	8.4	3.9	18.0	30.3
	Avg.	30.5	8.7	8.7	8.2	2.6	5.3	29.2
WSR3	Min.	29.2	8.1	8.1	7.9	2.0	2.5	28.2
	Max.	31.7	9.1	9.1	8.4	3.7	15.0	30.3
	Avg.	30.6	8.9	8.9	8.2	2.6	5.6	29.2
WSR4	Min.	29.2	8.3	8.3	8.0	2.0	2.5	28.3
	Max.	32.0	9.7	9.8	8.4	3.8	19.0	30.7
	Avg.	30.6	9.0	9.0	8.2	2.7	4.7	29.1
WSR16	Min.	29.0	8.3	8.4	8.0	2.0	2.5	28.3
	Max.	32.5	9.7	9.6	8.3	4.0	14.0	30.7
	Avg.	30.5	8.7	8.7	8.2	2.7	4.2	29.3
WSR33	Min.	28.9	8.1	8.1	7.9	2.0	2.5	28.2
	Max.	32.4	9.6	9.5	8.4	3.6	13.0	30.6
	Avg.	30.6	8.8	8.7	8.2	2.6	4.2	29.0
WSR36	Min.	28.9	8.2	8.2	8.1	2.0	2.5	28.2
	Max.	31.8	9.7	9.7	8.4	4.0	12.0	30.2
	Avg.	30.5	8.6	8.6	8.2	2.6	4.8	29.3
WSR37	Min.	28.1	8.2	8.2	8.0	1.9	2.5	28.0
	Max.	32.2	9.6	9.6	8.4	3.5	14.0	30.6

#### Notes:

i. "Avg", "Min" and "Max" is the average, minimum and maximum respectively of the data from measurements conducted under mid-flood and mid-ebb tides at three water depths, except that of DO where the data for "Surface & Middle" and "Bottom" are calculated separately.

ii. Measurement data of Suspending Solids would be rounding to 2.5mg/L if the value was less than 2.5mg/L to facilitate data analysing.





# 4. WASTE

4.1. The waste generated from this Contract includes inert construction and demolition (C&D) materials, and non-inert C&D materials. Non-inert C&D materials are made up of general refuse, vegetative wastes and recyclable wastes such as plastics and paper/cardboard packaging waste. Steel materials generated from the Contract are also grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials. With reference to relevant handling records and trip tickets of this Contract, the quantities of different types of waste generated in the reporting month are summarized in **Table 4.1**. Details of cumulative waste management data are presented as a waste flow table in **Appendix H**.

Table 4.1 Quantities of Waste Generated from the Contract during August 2022

	Actu	al Quantities	of Inert C&D	Materials G	enerated Moi	Actual Quantities of C&D Wastes Generated Monthly				Ionthly	
Reporting Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / cardboard packaging	Plastics <sup>(1)</sup>	Chemical Waste	Others, e.g. general refuse
	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)
August 2022	10435.650	0.000	0.000	0.000	10435.650	0.000	0.000	0.170	0.090	0.000	195.100

Notes: (1) Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging material





## 5. LANDFILL GAS MONITORING

#### MONITORING REQUIREMENT

5.1. In accordance with Section 11 of the EM&A Manual, monitoring of landfill gas is required for construction works within the 250m Consultation Zone. Part of the desalination plant and the indicative area of natural slope mitigation works fall within the SENT Landfill Extension Consultation Zone; and part of the 1,200 mm diameter fresh water mains along Wan Po Road falls within the SENT Landfill and SENT Landfill Extension Consultation Zones, TKO Stage II/III Restored Landfill and TKO Stage I Restored Landfill Consultation Zones.

#### MONITORING LOCATION

- 5.2. Monitoring of oxygen, methane, carbon dioxide and barometric pressure would be performed for excavations at 1m depth or more within the consultation Zone.
- 5.3. During construction of works within the consultation zones, excavations of 1m depth or more was monitored:
  - At the ground surface before excavation commences;
  - Immediately before any worker enters the excavation;
  - At the beginning of each working day for the entire period the excavation remains open;
     and
  - Periodically through the working day whilst workers are in the excavation.
- 5.4. For excavations between 300mm and 1m deep, measurements were carried out:
  - Directly after the excavation has been completed; and
  - Periodically whilst the excavation remains open.

#### MONITORING PROGRAMME

5.5. Since part of the desalination plant (Wan Po Road and MIC compound/Basketball Court) and the indicative area of natural slope mitigation works fall within the SENT Landfill Extension Consultation Zone in this contract (Figure 5.1), landfill gas monitoring would be required for Wan Po Road and MIC compound/Basketball Court (Figure 5.2) if excavations were conducted at more than 300mm deep. Although SENT Landfill Extension has commenced operation since November 2021, no excavation works were conducted at MIC compound/Basketball Court. Hence no landfill gas monitoring would be scheduled for MIC compound/Basketball Court at the current stage.

#### MONITORING LOCATION

5.6. The area required to be monitored for landfill gas in the reporting period is shown in **Figure 5.2**.





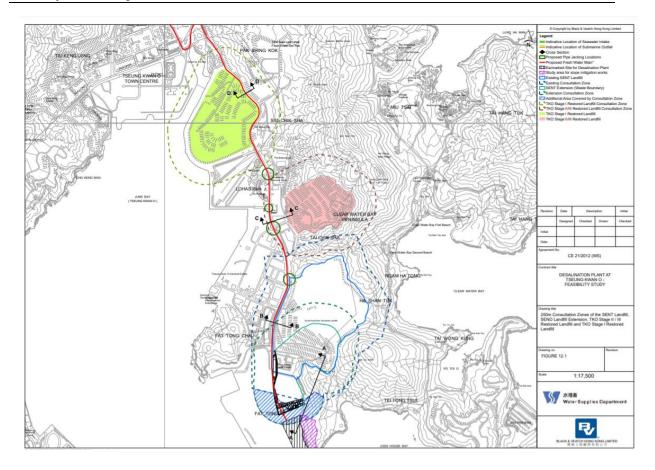


Figure 5.1 Overview of the SENT Extension Consultation Zone and the Contract Site Area

#### **MONITORING PARAMETERS**

- 5.7. LFG monitoring was carried out to identify any migration between the landfill and the Contract and to ensure the safety of the construction, operation and maintenance personnel working on-site, visitors and any other person within the Contract area.
- 5.8. The following parameters were monitored:
  - Methane
  - Oxygen
  - Carbon Dioxide
  - Barometric Pressure
- 5.9. Action and Limit Level are provided in **Table 5.1**.

Table 5.1 Action and Limit Level for Landfill Gas Monitoring Equipment

Parameters	Action Level	Limit Level
Oxygen $(O_2)$	<19% 02	<19% 02
Methane (CH <sub>4</sub> )	>10% LEL	>20% LEL
Carbon Dioxide (CO <sub>2</sub> )	>0.5% CO <sub>2</sub>	>1.5% CO <sub>2</sub>





# MONITORING EQUIPMENT

- 5.10. Landfill Gas monitoring was carried out using intrinsically-safe, portable multi-gas monitoring instruments. The gas monitoring equipment is:
  - Complying with the Landfill Gas Hazard Assessment Guidance Note as intrinsically safe;
  - Capable of continuous barometric pressure and gas pressure measurements;
  - Normally operated in diffusion mode unless required for spot sampling, when it should be capable of operating by means of an aspirator or pump;
  - Having low battery, fault and over range indication incorporated;
  - Capable of storing monitoring data, and shall be capable of being downloaded directly;
  - Measure in the following ranges:

methane	0-100% Lower Explosion Limit (LEL) and 0-100% v/v;
oxygen	0-25% v/v;
carbon dioxide	0-5% v/v; and
barometric pressure	mBar (absolute)

• alarm (both audibly and visually) in the event that the concentrations of the following are exceeded:

methane	>10% LEL;
oxygen	<19%
carbon dioxide	>0.5% by volume
barometric pressure	mBar (absolute)

5.11. Monitoring Equipment used in the reporting period are summarized in **Table 5.2**. The Landfill Gas monitoring equipment calibration certificate is presented in **Appendix N**.

Table 5.2 Landfill Gas Monitoring Equipment

Equipment	Brand and Model	Calibration Expiry Date
Portable Gas Detector	PS500 – 254928	28 September 2022







Figure 5.2 Location Map for Landfill Gas Monitoring at Wan Po Road

#### MONITORING RESULTS AND OBSERVATIONS

5.12. In this reporting period, 54 times of landfill gas monitoring was conducted during excavations at 1m depth or more within the consultation zone and whenever workers entered the excavation on the day at Wan Po Road (Ch1+513– Ch1+625). No exceedance of action and limit levels for methane, oxygen and carbon dioxide was recorded. Detail of landfill gas monitoring results are presented in **Appendix L**.





# 6. Summary of Exceedance, Complaints, Notification of Summons and Prosecutions

6.1. The Environmental Complaint Handling Procedure is shown in below **Figure 6.1**:

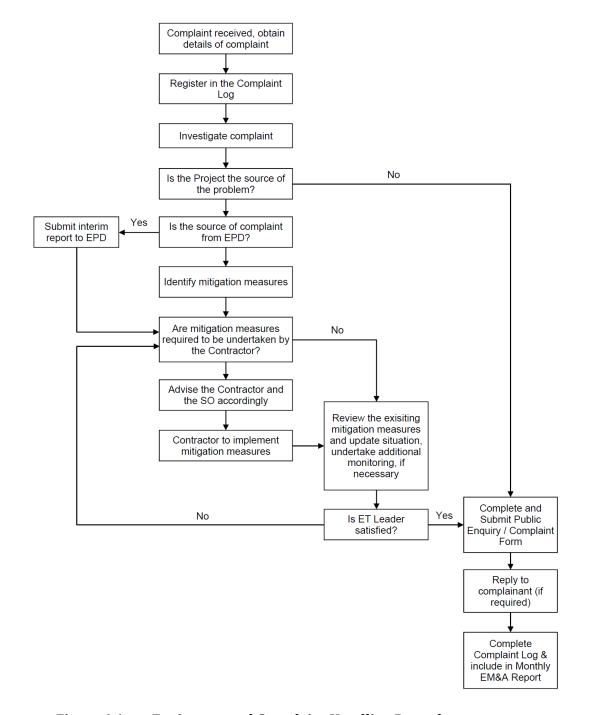


Figure 6.1 Environmental Complaint Handling Procedures





- 6.2. No noise monitoring was conducted during the reporting period since there are no Contract-related construction activities undertaken within a radius of 300m from the monitoring locations.
- 6.3. No action Level exceedance was recorded in the reporting month.
- 6.4. General water quality monitoring at the ten monitoring stations (CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36 and WSR37) were conducted on 2, 4, 6, 9, 11, 13, 15, 17, 21, 23, 27 and 30 August 2022.
- 6.5. Twenty-one (21) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Eleven (11) of the general water quality monitoring results of SS obtained during the reporting period had exceeded the Limit Level.
- 6.6. Investigation on the reason of exceedance has been carried out, where the exceedances of SS on 2, 4, 6, 9, 11, 15 and 30 August 2022 were concluded to be unrelated to the Contract as detailed in the Incident Reports on Action Level or Limit Level Noncompliance along with supporting materials in **Appendix 0**.
- 6.7. In this reporting period, 54 times of landfill gas monitoring was conducted in the reporting month. No action and limit level exceedance was recorded in the reporting period.
- 6.8. Algal Bloom was observed at the marine water between CEDD pier and Outfall Shaft on 1 August 2022 by the Contractor. Also, as reported by the Contractor on 26 August 2022, silty plume was observed originated from the beach adjacent to the Country Park. No evidence shown that the silty plume was caused / related to the Project. It is concluded that the incident was non-Project related. ET will closely monitor the water quality and the implementation of water mitigation measure, to ensure no adverse impact to water quality and ecology.
- 6.9. No environmental complaint, notification of summons and prosecution was received in the reporting month. Statistics on complaint and notification of summons and prosecution are summarized in **Appendix J**.





#### 7. EM&A SITE INSPECTION

7.1. Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting period, site inspections were carried out on 2, 9, 16, 23 and 31 August 2022 at the site portions listed in **Table 7.1** below.

Table 7.1 Summaries of Site Inspection Record

Date	Inspected Site Portion	Time
2 August 2022	TKO 137	14:30 - 16:00
9 August 2022	TKO 137	14:30 - 16:30
16 August 2022	TKO 137	14:00 - 16:30
23 August 2022	TKO 137	14:30 - 15:30
31 August 2022	TKO 137	09:30 - 10:30

- 7.2. Joint site inspections with IEC were carried out on 2, 9, 16, 23 and 31 August 2022.
- 7.3. Environmental deficiencies were observed during weekly site inspection. Key observations during the site inspections and during the reporting period are summarized in **Table 7.2**.

Table 7.2 Site Observations

Date	Environmental Observations	Follow-up Status
2 August 2022	1. There are two oil tanks found near the Administration Building without proper storage or drip tray. The Contractor is reminded to provide a proper storage asap.	1. Proper storage was provided.
9 August 2022	No major observations were recorded on the reporting day.	Nil
16 August 2022	1. Chemical containers found near the chemical Building shall be placed / stored on a drip tray to avid oil leakage or spillage.	1. Drip tray was provided for chemical storage.
23 August 2022  1. General refuse (lunch box) should disposed of properly at a proper was storage point (Product Water Storage Tank)		1. Waste was cleaned.
31 August 2022	No major observations were recorded on the reporting day.	Nil

7.4. According to the EIA Study Report, Environmental Permit, contract documents and EM&A Manual, the mitigation measures detailed in the documents should be implemented as much as practical during the reporting period. An updated Implementation Status of Environmental Mitigation Measures (EMIS) is provided in **Appendix C**. Site inspection proforma of the reporting period is provided in **Appendix I**.





#### 8. FUTURE KEY ISSUES

#### 8.1. Works to be undertaken in the next reporting month are:

- 132 kV Underground utility (UU) and temporary emergency vehicular access (eva) construction work at Zone C
- UU Construction Work at ActiDAFF, Reverse Osmosis (RO) Building, Chemical Building and Product Water Storage Tank (PWST)
- Carbon steel pipe installation Work at PWST
- Staircases and internal finishing work at RO Building
- Construction of Sludge thickener, Post Treatment Building (PTB)
- Internal finishing work for On-Site Chlorine Generation Building (OSCG Bldg) and CO<sub>2</sub> Tank Area
- Manhole construction and Glass Reinforced Plastics (GRP) pipe installation
- Design for Manufacturing and Assembly (DfMA) installation at PWST South side and RO Building North side
- Installation of louvre, metal doors and timber doors in Main Electrical & Central Chiller Plant Building (MECCP)
- Construction of parapet and internal finishes at G/F, 1/F and 2/F at Administration Building
- Installation of hoarding on 2/F at Administration Building
- Construction of stair tower and Steel fixing works for segment 6 and segment 4 at Inspection corridor
- Water proofing work on roof of Cartridge Filter Plant Room and Construction of kiosk and installation of louvre at ActiDAFF
- Water proofing work on roof at Chemical Building
- Install marine outfall structure, concreting, GRP Pipe installation, Dredging for diffuser at Outfall Shaft
- Leveling of formation level & install marine intake structure at Intake Shaft
- Permanent structure construction from +4.9mPD to +15.3mPD at Combined Shaft
- Permanent structure Wall construction from +6.8 to 14.3mPD at Pump room
- Excavation at slope toe and access erection, mini piles construction
- Trench excavation and structure installation, Grouting and Backfill at Open Channel
- E&M works ActiDAFF (cell 1, 3, 5, 6, 7) Scaffolding, installation of mechanical equipment and piping
- E&M works RO building Installation of building services, electrical switchboard, Installation of mechanical equipment, steel pipe, GRP pipe, Lifting of electrical switchboard
- E&M works MECCP Installation of chillers, building services, electrical switchboard

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- E&M works PWST Installation of building services, Installation of mechanical equipment, steel pipe
- E&M works PTB Installation of building services, Lifting of lime silo, filter press
- E&M works Administration Building Installation of building services
- E&M works Chemical Building Installation of building services, Lifting of steel tanks
- 8.2. The major environmental impacts brought by the above construction works will include:
  - Construction dust and noise generation from excavation and construction works;
  - Waste generation from construction activities; and
  - Impact on water quality from marine construction works and inland construction works.
- 8.3. The key environmental mitigation measures for the Project in the coming reporting period associated with the above construction works will include:
  - Dust suppression by regular wetting and water spraying for construction works
  - Reduction of noise from equipment and machinery on-site by regular checking of on-site plant/vehicle to ensure proper functioning
  - Sorting and storage of general refuse and construction waste
  - Deployment of temporary silt curtain in the area where marine construction works were conducted and deployment of water sedimentation tanks for treatment of wastewater at inland and marine areas before discharge





#### 9. CONCLUSIONS AND RECOMMENDATIONS

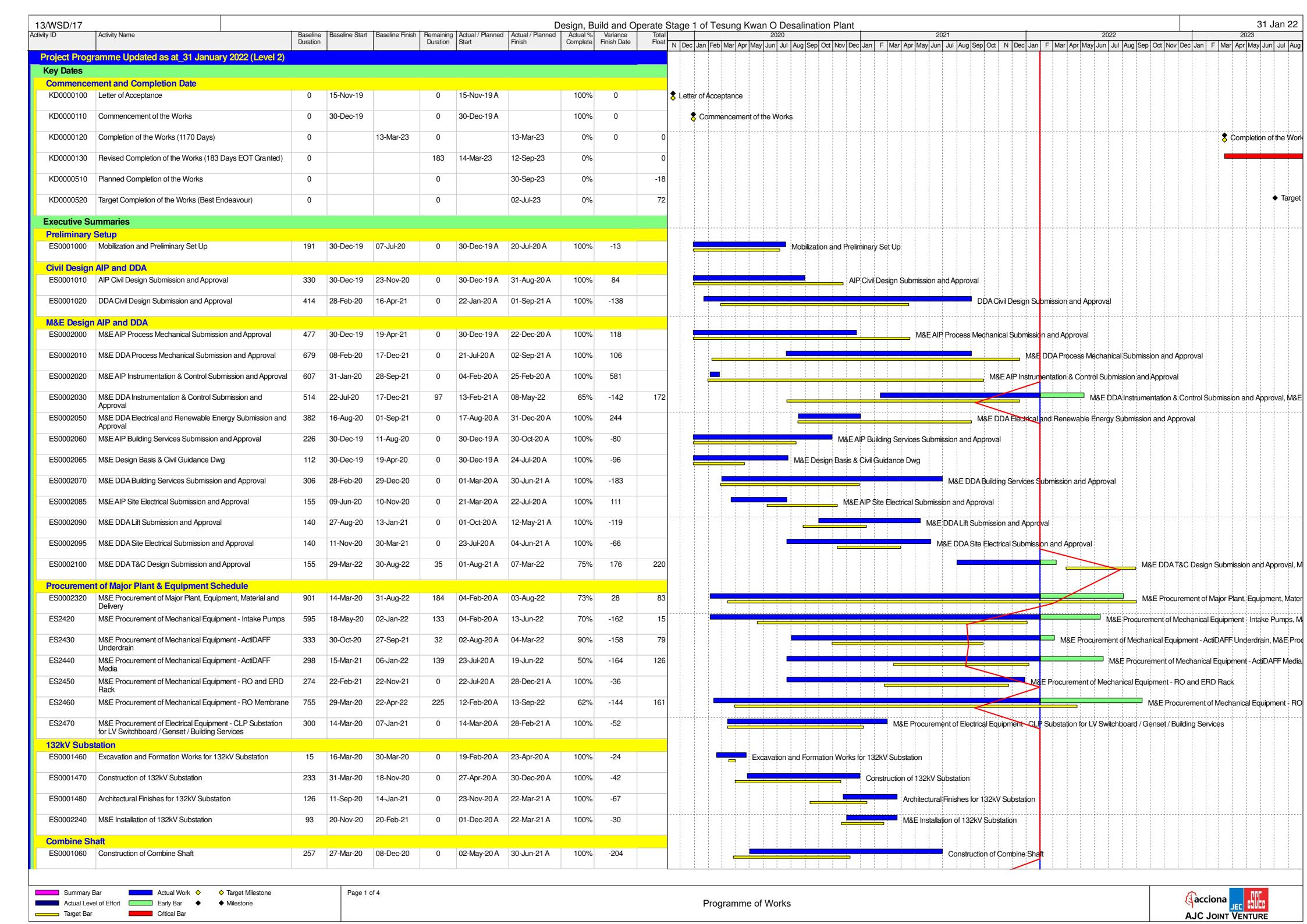
- 9.1. This is the 30<sup>th</sup> Monthly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 August to 31 August 2022, in accordance with the EM&A Manual and the requirement under FEP-01/503/2015/A.
- 9.2. No noise monitoring was conducted in the reporting period due to the over distant monitoring station from the works location, in which construction activities were not undertaken within a radius of 300m from the monitoring locations.
- 9.3. The EM&A works for water quality were conducted during the reporting period in accordance with the EM&A Manual.
- 9.4. Twenty-one (21) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Eleven (11) of the general water quality monitoring results of SS obtained during the reporting period had exceeded the Limit Level.
- 9.5. Investigation on the reason of exceedance has been carried out, where the exceedances of SS on 2, 4, 6, 9, 11, 15 and 30 August 2022 were concluded to be unrelated to the Contract as detailed in the Incident Reports on Action Level or Limit Level Non-compliance along with supporting materials in **Appendix 0**.
- 9.6. It was concluded that all exceedances recorded in the reporting month were unrelated to the project.
- 9.7. In this reporting period, 54 times of landfill gas monitoring was conducted in the reporting month. No action and limit level exceedance was recorded in the reporting period.
- 9.8. Weekly environmental site inspection was conducted during the reporting period. No major deficiency was observed during site inspection. The environmental performance of the project was therefore considered satisfactory.
- 9.9. According to the environmental site inspections performed in the reporting month, the Contractor is reminded to pay attention on maintaining proper materials storage, site hygiene and dust suppression mitigation measures.
- 9.10. No environmental complaint, notification of summons and prosecution was received in the reporting period.
- 9.11. The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

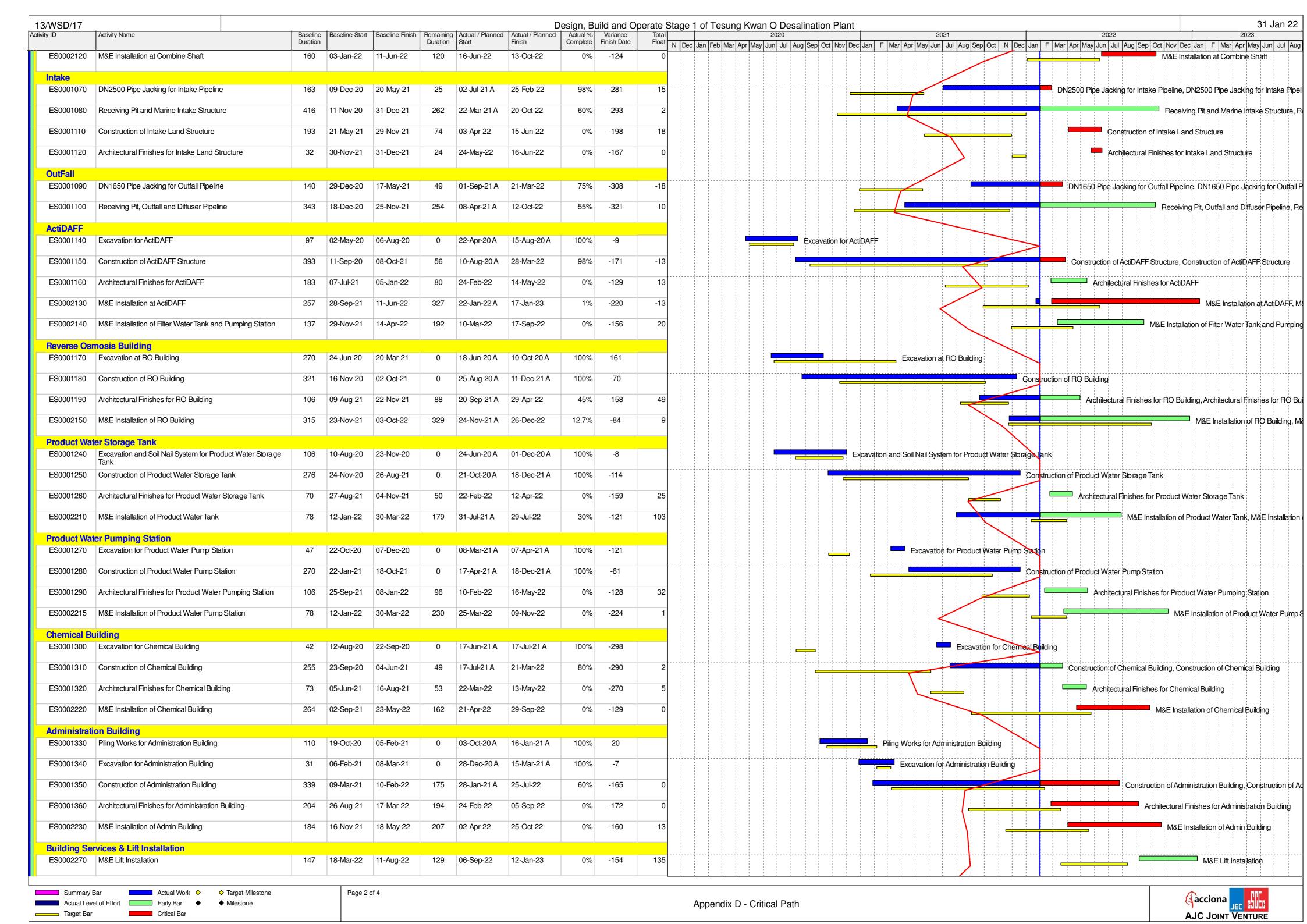


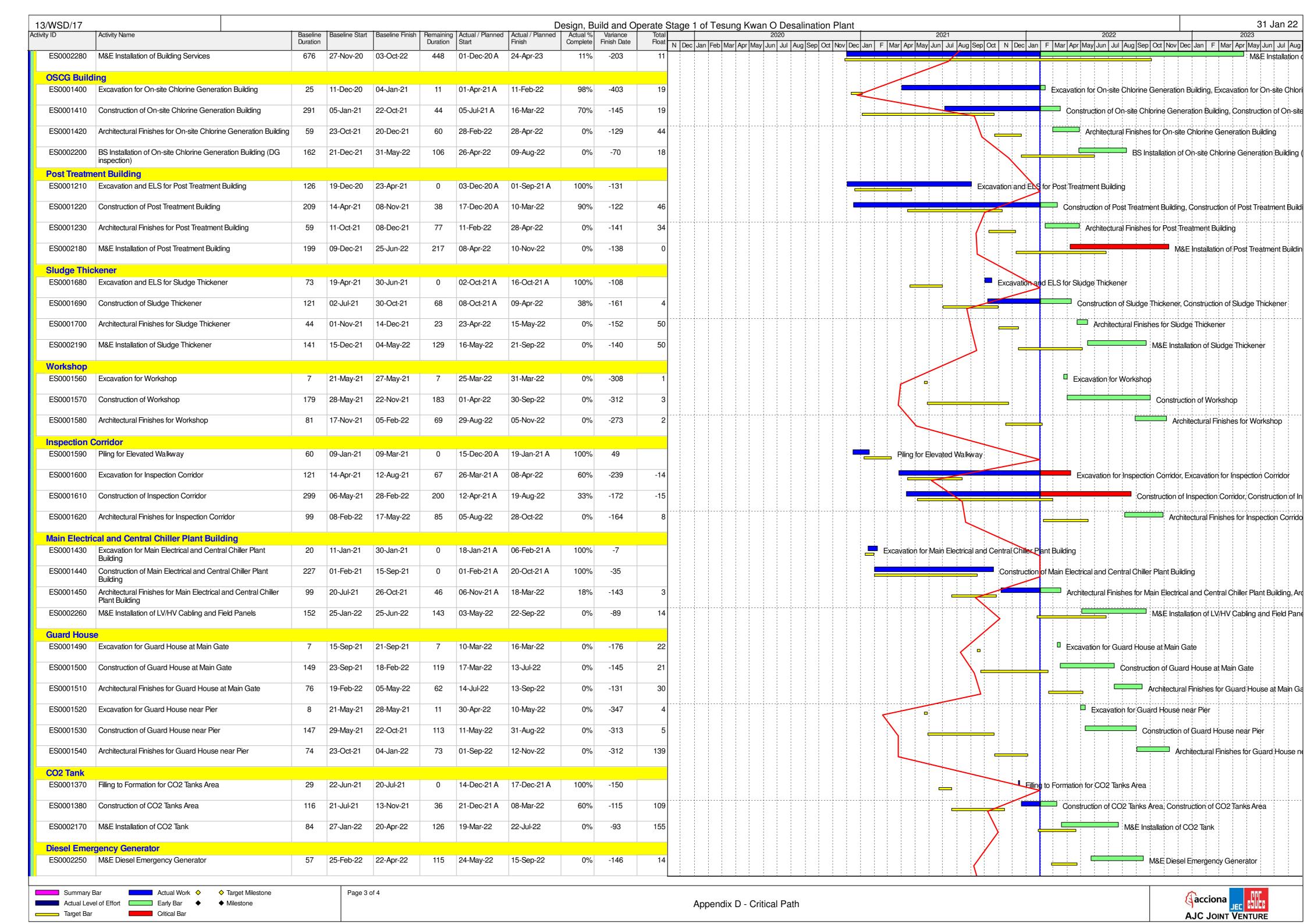


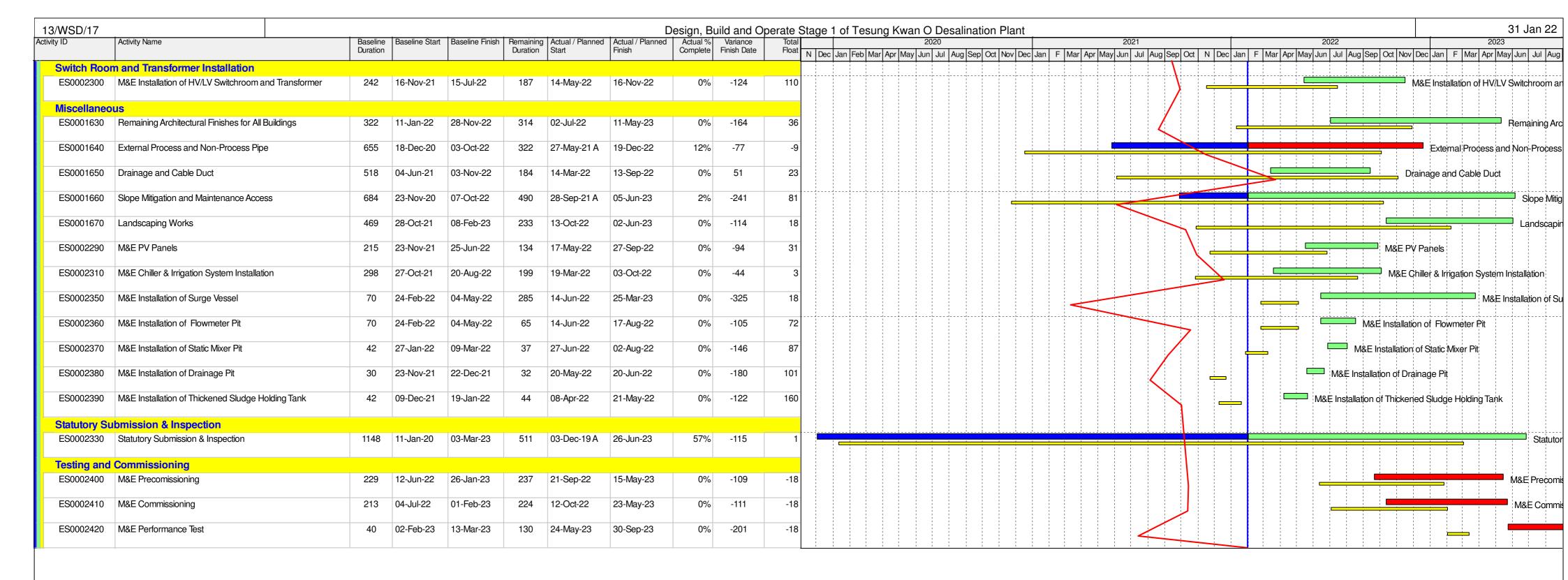
# Appendix A

# **Construction Programme**









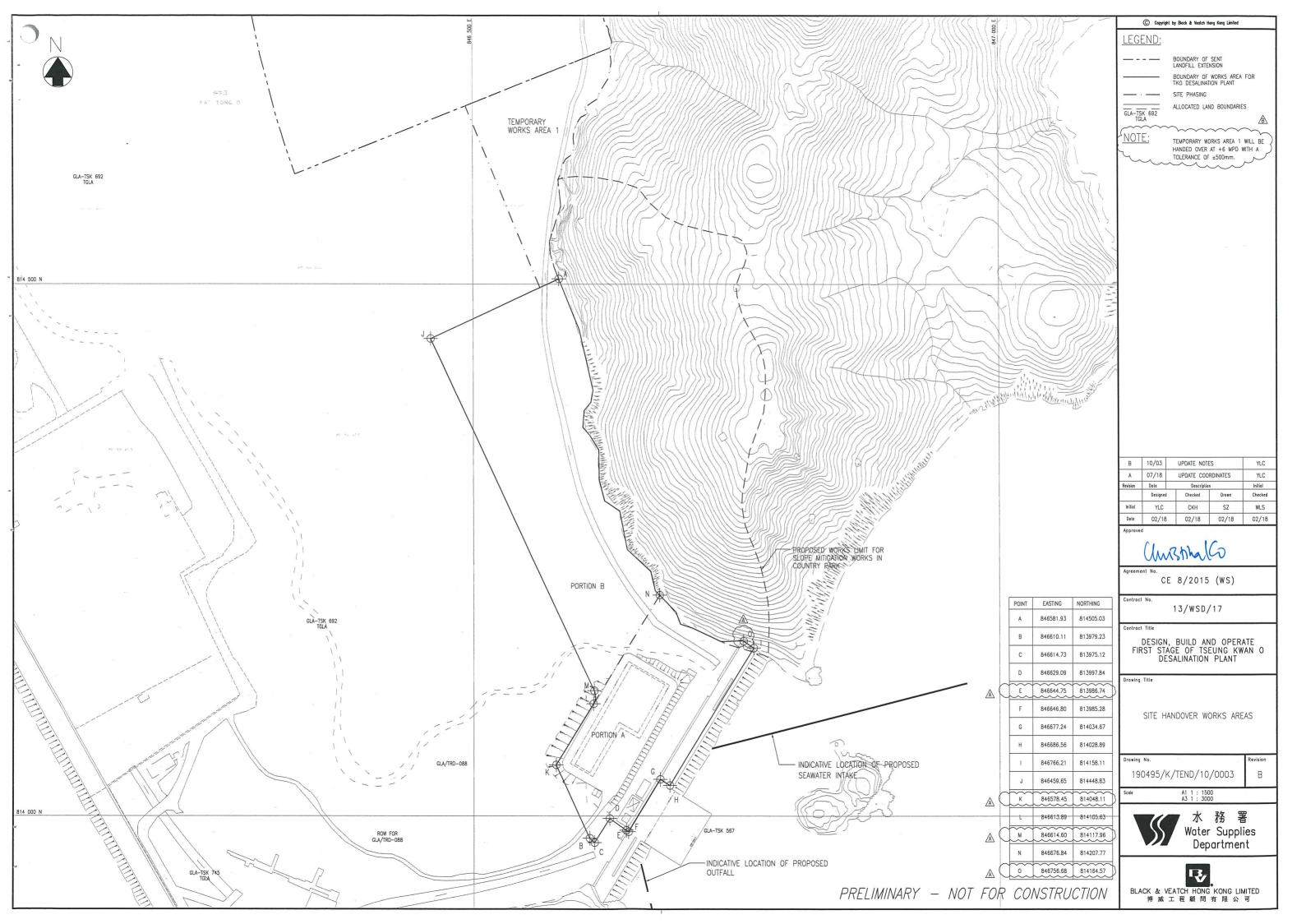






## Appendix B

Overview of Desalination Plant in Tseung Kwan O



### BUILDINGS IN FIRST STAGE

DOILDI	NOO IN TINOT OTNOL		
CODE	NAME OF BUILDING	TOTAL G.F.A. (m²)	SITE COVERAGE (m²)
В	COMBINE SHAFT	759.876	759,876
С	ACTIDAFF	10027_547	5455_346
G	REVERSE OSMOSIS BUILDING AND ELECTRICAL BUILDING	4511,455	5367,935
н	CO2 TANKS AREA	-	-
J	PRODUCT WATER STORAGE TANK, PUMP STATION AND ELECTRICAL BUILDING	1974.610	2933,980
К	SLUDGE TREATMENT BUILDING, TANK AND PUMP ROOM	2531.044	1228,361
М	ADMINISTRATION BUILDING & ELECTRICAL BUILDING C	2459,713	1114,062
N	MAIN ELECTRICAL AND CENTRAL CHILLER PLANT BUILDING	-	459,893
R1	ELECTROCHLORINATION BUILDING & ELECTRICAL BUILDING A	657.992	825.776
S	132 kV SUBSTATION	-	943.560
Т	IRRIGATION WATER TANK AND PUMP ROOM	-	156.148
R2	CHEMICAL BUILDING	813.056	813,056
V	VISITOR GALLERY	1330-410	1330.410
X1	GUARD HOUSE AND FS CONTROL ROOM	39.585	39.585
X2	GUARD HOUSE	22.035	22.035
Υ	R+D OUTDOOR	-	-
Z	WASTE WATER TREATMENT PLANT	48.000	48,000
	TOTAL =	25175,323	21498,023

#### LEGEND / ABBREVIATION

H/L WINDOW HIGH LEVEL WINDOW METAL LOUVRES CAT LADDER

ACCESSIBLE UNISEX TOILET

PROPOSED FINISH FLOOR LEVEL IN METER ABOVE P.D. STRUCTURAL FLOOR LEVEL IN METER ABOVE P.D. MECHANNICAL VENTILATION & ARTIFICIAL LIGHTING

4.5kg CO2 FIRE EXTINGUISHER

HOSE REEL

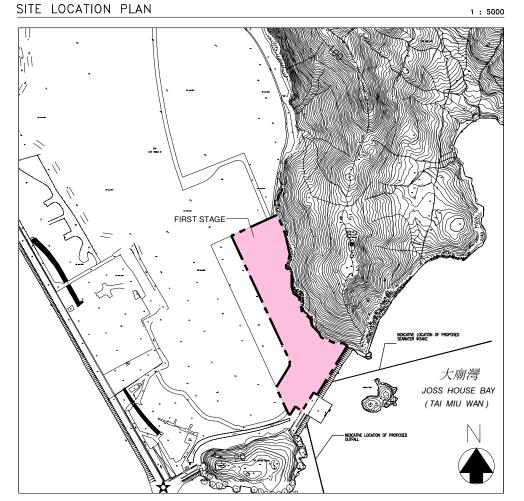
FIREMAN'S LIFT LIFT FOR THE BARRIER FREE ACCESS

PIPE DUCT

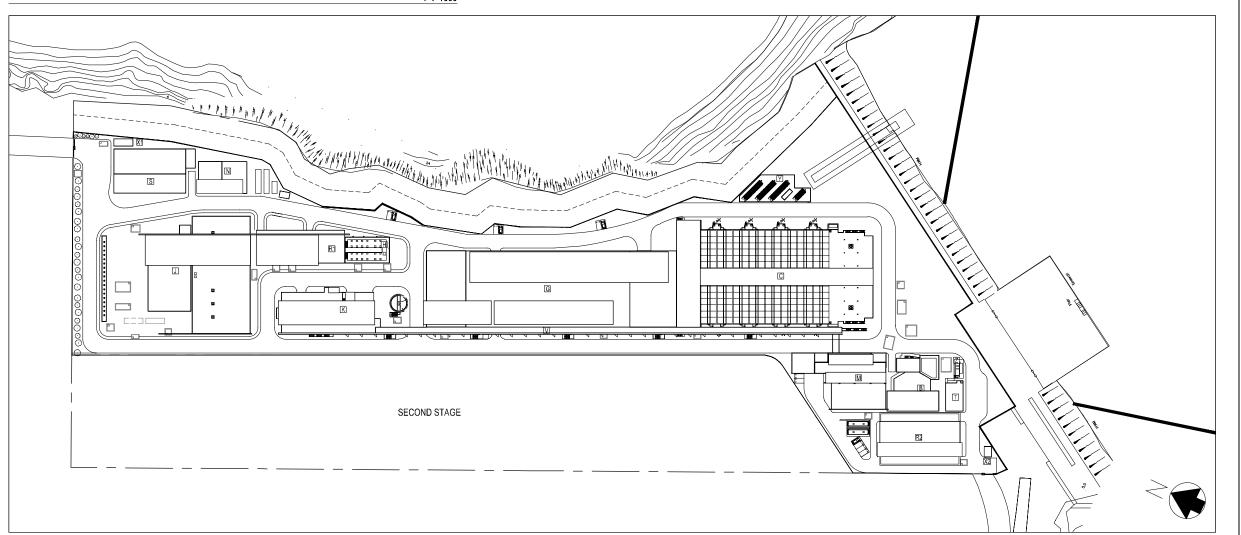
#### PLOT RATIO & SITE COVERAGE CALCULATION:

TOTAL G.F.A. TOTAL SITE COVERAGE

SITE COVERAGE



### FIRST STAGE OF TSEUNG KWAN O DESALINATION PLANT





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### Appendix C

Summary of Implementation Status of Environmental Mitigation





		Objectives of the recommended measures & main concerns to address		Impl		tation		
EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures		Implementation Agent	D	Stage	0	Implementation status	Relevant Legislation & Guidelines
Air Quality		l			1			
S4.8.1	Impervious dust screen or sheeting will be provided to enclose scaffolding from the ground floor level of building for construction of superstructure of the new buildings.	Land site/ During Construction	Contractor(s)		<b>✓</b>		Implemented	Air Pollution Control (Construction Dust)
S4.8.1	Impervious sheet will be provided for skip hoist for material transport.	Land site/ During Construction, particularly dry season	Contractor(s)		<b>√</b>		NA	-
S4.8.1	The area where dusty work takes place should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after dusty activities as far as practicable.	Land site/ During Construction	Contractor(s)		1		Implemented	-
S4.8.1	All dusty materials should be sprayed with water or a dust suppression chemical immediately prior to any loading, unloading or transfer operation.	Land site/ During Construction	Contractor(s)		<b>√</b>		Implemented	-
S4.8.1	Dropping heights for excavated materials should be controlled to a practical height to minimize the fugitive dust arising from unloading.	Land site/ During Construction	Contractor(s)		<b>√</b>		Implemented	-
S4.8.1	During transportation by truck, materials should not be loaded to a level higher than the side and tail boards, and should be dampened or covered before transport.	Land site/ During Construction	Contractor(s)		✓		Implemented	-
S4.8.1	Wheel washing device should be provided at the exits of the work sites. Immediately before leaving a construction site, every vehicle shall be washed to remove any dusty material from its body and wheels as far as practicable.	Land site/ During Construction	Contractor(s)		<b>✓</b>		Implemented	-
S4.8.1	Road sections between vehicle-wash areas and vehicular entrance will be paved.	Land site/ During Construction	Contractor(s)		<b>✓</b>		Implemented	-
S4.8.1	Hoarding of not less than 2.4m high from ground level will be provided along the length of the Project Site boundary.	Land site/ During construction	Contractor(s)	<b>V</b>	~		N/A	-
S4.8.1	Haul roads will be kept clear of dusty materials and will be sprayed with water so as to maintain the entire road surface wet at all times.	Land site/ During construction	Contractor(s)		<b>✓</b>		Implemented	-





EIA	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & I	Implementation Agent	Implementation Stage			Implementation	Relevant Legislation &
Reference		main concerns to address		D	С	0	status	Guidelines
S4.8.1	Temporary stockpiles of dusty materials will be either covered entirely by impervious sheets or sprayed with water to maintain the entire surface wet all the time.	Land site/ During construction	Contractor(s)		<b>√</b>		Implemented	-
S4.8.1	Stockpiles of more than 20 bags of cement, dry pulverised fuel ash and dusty construction materials will be covered entirely by impervious sheeting sheltered on top and 3-sides.	Land site/ During construction	Contractor(s)		<b>√</b>		N/A	-
S4.8.1	All exposed areas will be kept wet always to minimise dust emission.	Land site/ During construction	Contractor(s)		<b>1</b>		Implemented	-
S4.8.1	Ultra-low-sulphur diesel (ULSD) will be used for all construction plant on-site, as defined as diesel fuel containing not more than 0.005% sulphur by weight) as stipulated in Environment, Transport and Works Bureau Technical Circular (ETWB-TC(W)) No 19/2005 on Environmental Management on Construction Sites.	Land site/ During construction/ During Operation	Contractor(s)		•	1	Implemented	Environment, Transport and Works Bureau Technical Circular (ETWB- TC(W)) No 19/2005 on Environmental Management on Construction Sites
S4.8.1	The engine of the construction equipment during idling will be switched off.	Land site/ During construction	Contractor(s)		✓		Implemented	-
S4.8.1	Concrete batching plant will be required on site. control measures recommended in the Guidance Note on a Best Practicable Means for Cement Works (Concrete Batching Plant) (BPM 3/2 (93)) will be implemented. The control measures recommended in the Guidance Note on a Best Practicable Means for Cement Works (Concrete Batching Plant) (BPM 3/2 (93)) will be implemented.	Land site/ During construction	Contractor(s)		•		N/A	-
S4.8.1	Regular maintenance of construction equipment deployed on-site will be conducted to prevent black smoke emission.	Land site/ During construction	Contractor(s)		✓		Implemented	-
S4.10	To ensure proper implementation of the recommended dust mitigation measures and good construction site practices during the construction phase, environmental site audits on weekly basis is recommended throughout the construction period.	Land site/ During construction	Contractor(s)/ Environmental Team (ET) & Independent Environmental Checker (IEC)		<b>✓</b>		Implemented	-





EIA Reference	Recommended Environmental Protection Measures/	Objectives of the	Implementation	-	ementati	<del>-</del>	Relevant Legislation & Guidelines
Reference	Mitigation Measures	recommended measures & main concerns to address	Agent	D	Stage C	o status	Guidennes
Noise							
S5.7	Only well-maintained plant will be operated on-site and plant will be serviced regularly during the construction phase.	All area/ During construction	Contractor(s)		<b>/</b>	Implemented	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	Silencers or mufflers on construction equipment will be utilised and will be properly maintained during the construction phase.	Noise control/ During construction	Contractor(s)		<b>*</b>	N/A	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	Mobile plant, if any, will be sited as far away from NSRs as possible.	Noise control/ During construction	Contractor(s)		<b>*</b>	N/A	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	Machines and plant (such as trucks) that may be in intermittent use will be shut down between work periods or will be throttled down to a minimum.	Noise control/ During construction	Contractor(s)		<b>*</b>	Implemented	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	Plants known to emit noise strongly in one direction will, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.	Noise control/ During construction	Contractor(s)		<b>V</b>	N/A	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	Material stockpiles and other structures will be effectively utilised, wherever practicable, in screening noise from on-site construction activities.	Noise control/ During construction	Contractor(s)		<b>V</b>	N/A	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	Use of Quite Powered Mechanical Equipment (QPME).	Noise control/ During construction	Contractor(s)		<b>V</b>	Implemented	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	Movable noise barriers of 3m in height with skid footing should be used and located within a few metres of stationary plant and mobile plant such that the line of sight to the NSR is blocked by the barriers. The length of the barrier should be at least five times greater than its height. The noise barrier material should have a superficial surface density of at least 7 kg m-2 and have no o or gappeningss.	Noise control/ During construction	Contractor(s)		•	N/A	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	The noise insulating sheet should be deployed such that there would be no opening or gaps on the joints.	Noise control/ During construction	Contractor(s)		<b>/</b>	N/A	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	Construction activities (e.g. excavation/shoring, reinstatement (asphalt), and pipe jacking) will be planned and carried out in sequence, such that items of PME proposed for these activities will not be operated simultaneously.	Noise control/ During construction	Contractor(s)	<b>√</b>	<b>√</b>	Implemented	A Practical Guide for the Reduction of Noise from Construction Works





EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation Agent		ementa Stage	ation	Implementation status	Relevant Legislation & Guidelines
		main concerns to address		D	C	0		
S5.7	PMEs will not be used at the works areas near educational institutions with residual impact (ie the "influence area" within a radius of 40m) during school hours in order to reduce impact to the educational institutions.	Noise control / During construction	Contractor(s)		<b>✓</b>		N/A	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	Noise enclosures or acoustic sheds would be used to cover stationary PME such as generators.  Portable/Movable noise enclosure made of material with superficial surface density of at least 7 kg m-2 may be used for screening the noise from operation of the saw/groover, concrete.	Noise control/ Pre- construction/ During construction	Contractor(s)	<b>✓</b>	<b>*</b>		N/A	-
S5.9	Sawcutting pavement, breaking up of pavement, excavation /shoring, pipe laying, backfilling, reinstatement (concrete) and pipe jacking shall be scheduled outside the examination period.	Noise control/ Pre- construction/ During construction	Contractor(s)	<b>*</b>	<b>*</b>		N/A	-
S5.9	In view the duration of noise exceedance at Creative Secondary School, PLK Laws Foundation College, TKO Kei Tak Primary School and School of Continuing and Professional Studies-CUHK is limited to 8 weeks, the construction work in the influence areas near the four schools shall be scheduled during long school holidays (eg summer holiday, Easter holiday or Christmas holiday, etc) as far as practicable. Scheduling the construction work for the four schools.	Noise control/ Pre- construction/ During construction	Contractor(s)	<b>V</b>	<b>✓</b>		N/A	-
S5.10	A noise monitoring programme shall be implemented for the construction phase.	Designated monitoring stations as defined in EM&A Manual/During construction phase	Environmental Team		<b>✓</b>		N/A	-
S5.10	The effectiveness of on-site control measures could also be evaluated through the regular site audits.	All facilities/ During construction	Contractor(s)/ ET & Independent Environmental Checker (IEC)		<b>√</b>		Implemented	-





EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation Agent	_	emen Stage	tation	Implementation status	Relevant Legislation & Guidelines
Reference	Midgadon Measures	main concerns to address		D	C	0	status	& duidennes
Water Qua	lity				"			
S6.9	Dredged marine sediment will be disposed of in a gazetted marine disposal area in accordance with marine dumping permit conditions of the Dumping at Sea Ordinance (DASO).	Marine Dredging/ During construction	Contractor(s)		<b>✓</b>		Implemented	Dumping at Sea Ordinance (DASO)
S6.9	Disposal vessels will be fitted with tight bottom seals in order to prevent leakage of material during transport.	Marine Dredging/ During construction	Contractor(s)		✓		Implemented	-
S6.9	Barges will be filled to a level, which ensures that material does not spill over during transport to the disposal site and that adequate freeboard is maintained to ensure that the decks are not washed by wave action.	Marine Dredging/ During construction	Contractor(s)		<b>✓</b>		Implemented	-
S6.9	After dredging, any excess materials will be cleaned from decks and exposed fittings before the vessel is moved from the dredging area.	Marine Dredging/ During construction	Contractor(s)		✓		Implemented	-
S6.9	All vessels should be well maintained and inspected before use to limit any potential discharges to the marine environment.	Marine Dredging/ During construction	Contractor(s)		✓		Implemented	-
S6.9	All vessels must have a clean ballast system.	Marine Dredging/ During construction	Contractor(s)		✓		Implemented	-
S6.9	No discharge of sewage/grey wastewater should be allowed. Waste water from potentially contaminated area on working vessels should be minimized and collected. These kinds of wastewater should be brought back to port and discharged at appropriate collection and treatment system.	Marine Dredging/ During construction	Contractor(s)		<b>✓</b>		Implemented	-
S6.9	No soil waste is allowed to be disposed overboard.	Marine Dredging/ During construction	Contractor(s)		<b>√</b>		N/A	-
S6.9	Silt removal facilities such as silt traps or sedimentation facilities will be provided to remove silt particles from runoff to meet the requirements of the TM standard under the WPCO. The design of silt removal facilities will be based on the guidelines provided in ProPECC PN 1/94. All drainage facilities and erosion and sediment control structures will be inspected on a regular basis and maintained to confirm proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit will be removed regularly.	Land site & drainage/ During construction	Contractor(s)		<b>✓</b>		Implemented	ProPECC PN 1/94 TM Standard under the WPCO





		01 6.1	T	1				D.1 .7 .1
EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation Agent	ımpı	emer Stag	ntation	Implementation status	Relevant Legislation & Guidelines
Keierence	Mitigation Measures	main concerns to address		D	C	0	Status	& duluennes
S6.9	Earthworks to form the final surfaces will be followed up with surface protection and drainage works to prevent erosion caused by rainstorms.	Land site & drainage/ During construction	Contractor(s)		₹	J	Implemented	-
S6.9	Appropriate surface drainage will be designed and provided where necessary.	Land site & drainage/ During construction	Contractor(s)		<b>√</b>		Implemented	-
S6.9	The precautions to be taken at any time of year when rainstorms are likely together with the actions to be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94.	Land site & drainage/ During construction	Contractor(s)	<b>V</b>	1		Implemented	ProPECC PN 1/94
S6.9	Oil interceptors will be provided in the drainage system where necessary and regularly emptied to prevent the release of oil and grease into the storm water drainage system after accidental spillages.	Land site & drainage/ During construction	Contractor(s)		<b>√</b>		N/A	-
S6.9	Temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge, if any, will be adequately designed for the controlled release of storm flows.	Land site & drainage/ During construction	Contractor(s)		<b>√</b>		Implemented	-
S6.9	The temporary diverted drainage, if any, will be reinstated to the original condition when the construction work has finished or when the temporary diversion is no longer required.	Land site & drainage/ During construction	Contractor(s)		✓		N/A	-
S6.9	Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the construction workers over the construction site to prevent direct disposal of sewage into the water environment.	Land site & drainage/ During construction	Contractor(s)		•		Implemented	-
S6.9 and S6.12	The sterilization water should be dechlorinated with total residual chlorine (TRC) level below 1 mg/L before discharge to public sewer. In situ testing of TRC should also be conducted for the discharge of chlorinated water for pipeline disinfection to ensure sufficient dechlorination before discharge to public sewer.	Sterilization of water mains prior to commissioning	Contractor(s)		<b>✓</b>	<b>✓</b>	N/A	Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems Inland and Coastal Waters





EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation Agent	Impl	Implementation Stage		Implementation status	Relevant Legislation & Guidelines
		main concerns to address		D	С	0		
S6.9	The cleaning and flushing water should also be treated and desilted to the relevant discharge requirement stipulated in TM-DSS before discharging.	Sterilization of water mains prior to commissioning	Contractor(s)		<b>✓</b>	<b>→</b>	N/A	Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems Inland and Coastal Waters
S6.9	Site drainage should be well maintained and good construction practices should be observed to ensure that oil, fuels, solvents and other chemicals are managed, stored and handled properly and do not enter the nearby water streams.	Land site & drainage/ During construction/ During operation	Contractor(s)		<b>√</b>	✓	Implemented, reminder issued	-
S6.12	Regular site inspections will be carried out in order to confirm that regulatory requirements are being met and that contractors are implementing the standard site practice and mitigation measures as proposed to reduce potential impacts to water quality.	During construction	Contractor(s)/ET & IEC		✓		Implemented, reminder issued	-





EIA	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Agent	Impl	emer Stag	ntation	implementation	Relevant Legislation &
Reference	Mitigation Measures	main concerns to address	implementation Agent	D	C	0	Status	Guidelines
Waste Mar	nagement							
S8.5	Nomination of approved personnel to be responsible for standard site practices, arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site.	Contract mobilization/ During construction	Contractor(s)		✓		Implemented	-
S8.5	Training of site personnel in proper waste management and chemical handling procedures. Training will be provided to workers on the concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling at the beginning of the construction works.	Contract mobilization/ During construction	Contractor(s)		✓		Implemented	-
S8.5	Provision of sufficient waste disposal points and regular collection for disposal.	All area/ During construction/ During operation	Contractor(s)		✓	<b>✓</b>	Implemented	DEVB TC(W) No. 8/2010, Enhanced Specification for Site Cleanliness and Tidiness.
S8.5	Appropriate measures to reduce windblown litter and dust transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	All area/ During construction	Contractor(s)		✓		Implemented	DEVB TC(W) No. 8/2010, Enhanced Specification for Site Cleanliness and Tidiness.
S8.5	A waste management plan (WMP) as stated in the "ETWB TC(W) No. 19/2005, Environmental Management on Construction Sites" for the amount of waste generated, recycled and disposed of (including the disposal sites) will be established and implemented during the construction phase as part of the Environmental Management Plan (EMP). The Contractor will be required to prepare the EMP and submits it to the Architect/ Engineer under the Contract for approval prior to implementation.	All area/ During construction	Contractor(s)		✓		Implemented	ETWB TC(W) No. 19/2005, Environmental Management on Construction Sites
S8.5	Separation of chemical wastes for special handling and appropriate treatment at the Chemical Waste Treatment Centre at Tsing Yi.	All area/ During construction	Contractor(s)		<b>√</b>		Implemented	Chapters 2 & 3 Code of Practice on the Packaging, Labelling & Storage of Chemical Wastes published under the Waste Disposal Ordinance (Cap 354), Section 35





EIA	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Agent	-	emer Stag	tation	Implementation	Relevant Legislation &
Reference	Mitigation Measures	main concerns to address	implementation Agent	D	C	0	Status	Guidelines
S8.5	Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors.	Land site/ During construction	Contractor(s)		✓	-	Implemented	Waste Disposal Ordinance (Cap 354)
S8.5	A recording system for the amount of wastes generated/ recycled and disposal sites. The trip- ticket system will be included as one of the contractual requirements and implemented by the contractor(s).	Land site/ During construction	Contractor(s)		✓		Implemented	DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction & Demolition Materials
S8.5	Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of material and their proper disposal.	Land site/ During construction/ During operation	Contractor(s)		✓		Implemented	WBTC 32/92, The Use of Tropical Hard Wood on Construction Site
S8.5	Encourage collection of aluminium cans and waste paper by individual collectors during construction with separate labelled bins provided to segregate these wastes from other general refuse by the workforce.	Land site/ During construction	Contractor(s)		✓		Implemented	ETWB TCW No. 33/2002, Management of Construction and Demolition Material Including Rock
S8.5	Any unused chemicals and those with remaining functional capacity will be recycled as far as possible.	Land site/ During construction	Contractor(s)		✓		N/A	-
\$8.5	Use of reusable non-timber formwork to reduce the amount of C&D materials.	All areas/ During construction	Contractor(s)		✓		Implemented	WBTC 32/92, The Use of Tropical Hard Wood on Construction Site
S8.5	Prior to disposal of construction waste, wood, steel and other metals will be separated to the extent practical, for re-use and/or recycling to reduce the quantity of waste to be disposed of to landfill.	All areas/ During construction	Contractor(s)		<b>√</b>		Implemented	DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction & Demolition Materials
S8.5	Proper storage and site practices to reduce the potential for damage or contamination of construction materials.	All areas/ During construction	Contractor(s)		✓		Implemented	-
S8.5	Plan and stock construction materials carefully to reduce amount of waste generated and avoid unnecessary generation of waste.	All areas/ During construction	Contractor(s)		✓		Implemented	-





EIA	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Acous	Impl	emer Stag	ntation	Implementation	Relevant Legislation &
Reference	Mitigation Measures	main concerns to address	Implementation Agent	D	C	0	Status	Guidelines
S8.5	A Sediment Quality Report (SQR) for sampling and chemical testing of the sediment will be prepared and submitted to the EPD for approval. The approved detailed sampling and chemical testing will be carried out prior to the commencement of the dredging activities to confirm the sediment disposal method.	Marine works/ During construction	Contractor(s)		✓		N/A	ETWB TC(W) No. 34/2002 and Dumping at Sea Ordinance (DASO)
S8.5	The management of dredged/ excavated sediment management requirement from ETWB TC(W) No. 34/2002 will be incorporated in the Specification of the Contract Documents.	Marine works/ During construction	WSD/ Contractor(s)		✓		Implemented	ETWB TC(W) No. 34/2002 and Dumping at Sea Ordinance (DASO)
S8.5	The contractor will open a billing account with EPD in accordance with the Waste Disposal (Charges for Disposal of Construction Waste) Regulation for the payment of disposal charges.	Contract mobilization/ During construction	Contractor(s)		✓		Implemented	Cap 354N Waste Disposal (Charges for Disposal of Construction Waste) Regulation
S8.5	A trip-ticket system will be established in accordance with DEVB TC(W) No. 6/2010 to monitor the reuse of surplus excavated materials off-site and disposal of construction waste and general refuse at transfer facilities/ landfills, and to control fly-tipping.	Contract mobilization/ During construction	Contractor(s)		✓		Implemented	DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction & Demolition Materials
S8.5	The project proponent will also conduct regular inspection of the waste management measures implemented on site as described in the Waste Management Plan.	All area/ During construction	Contractor(s)/ Environmental Team (ET) & Independent Environmental Checker (IEC)		<b>√</b>		Implemented	ETWB TC(W) No. 19/2005, Environmental Management on Construction Sites
S8.5	A recording system (similar to summary table as shown in Annex 5 and Annex 6 of Appendix G of ETWB TC(W) No. 19/2005) for the amount of waste generated, recycled and disposed of (including the disposal sites) will be established during the construction phase.	All area/ During construction	Contractor(s)		<b>√</b>		Implemented	Annex 5 and Annex 6 of Appendix G of ETWB TC(W) No. 19/2005
S8.5	Inert C&D materials (public fill) will be reused within the Project as far as practicable.	All area/ During construction	Contractor(s)		✓		Implemented	-
S8.5	Public fill and construction waste shall be segregated and stored in different containers or skips to facilitate reuse or recycling of materials and their proper disposal.	All area/ During construction	Contractor(s)		✓		Implemented	-
S8.5	Specific areas of the work site will be designated for such segregation and storage if immediate use is not practicable.	All area/ During construction	Contractor(s)		✓		Implemented	-





EIA	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Agent	Impl	emei Stag	ntation	Implementation	Relevant Legislation &
Reference	Mitigation Measures	main concerns to address	implementation Agent	D	C	0	Status	Guidelines
S8.5	To reduce the potential dust and water quality impacts of site formation works, C&D materials will be wetted as quickly as possible to the extent practice after filling.	All area/ During construction	Contractor(s)		✓		Implemented	Air Pollution Control (Construction Dust) Regulation (Cap 311R); WPCO (Cap 358)
S8.5	Open stockpiles of excavated/ fill materials or construction wastes on-site should be covered with tarpaulin or similar fabric.	Land site/ During Construction, particularly dry season	Contractor(s)		<b>√</b>		Implemented	Air Pollution Control (Construction Dust) Regulation (Cap 311R)
S8.5	Chemical waste container shall be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed.	All area/ During construction/ During operation	Contractor(s)/WSD		<b>√</b>	<b>*</b>	Implemented	
S8.5	Chemical waste container shall have a capacity of less than 450 L unless the specifications have been approved by the EPD.	All area/ During construction/ During operation	Contractor(s)/WSD		<b>√</b>	✓	Implemented	
S8.5	A label in English and Chinese shall be displayed on the chemical container in accordance with instructions prescribed in Schedule 2 of the Regulations.	All area/ During construction/ During operation	Contractor(s)/WSD		<b>✓</b>	<b>*</b>	Implemented	
S8.5	Storage areas for chemical waste shall be enclosed on at least 3 sides.	All area/ During construction/ During operation	Contractor(s)/WSD		<b>√</b>	<b>*</b>	Implemented	Waste Disposal
S8.5	Storage areas for chemical waste shall have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest.	All area/ During construction/ During operation	Contractor(s)/WSD		<b>✓</b>	<b>√</b>	Implemented	(Chemical Waste) (General) Regulation; Code of Practice on the Packaging,
S8.5	Storage areas for chemical waste shall have adequate ventilation.	All area/ During construction/ During operation	Contractor(s)/WSD		✓	<b>√</b>	Implemented	Handling and Storage of Chemical Wastes
S8.5	Storage areas for chemical waste shall be covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary).	All area/ During construction/ During operation	Contractor(s)/WSD		<b>*</b>	<b>√</b>	Implemented	
S8.5	Storage areas for chemical waste shall be arranged so that incompatible materials are appropriately separated.	All area/ During construction/ During operation	Contractor(s)/WSD		<b>✓</b>	<b>*</b>	Implemented	
S8.5	General refuse will be stored in enclosed bins or compaction units separately from construction and chemical wastes.	All area/ During construction/ During operation	Contractor(s)/WSD		✓	<b>√</b>	Implemented, reminder and observation issued.	





EIA	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Agent	Impl	emer Stag	ntation e	implementation	Relevant Legislation &
Reference	Mitigation Measures	main concerns to address		D	С	0	Status	Guidelines
S8.5	Adequate number of waste containers will be provided to avoid over-spillage of waste.	All area/ During construction/ During operation	Contractor(s)/WSD		<b>√</b>	<b>✓</b>	Implemented	DEVB TC(W) No. 8/2010 Enhanced Specification for Site Cleanliness and Tidiness.
S8.5	A reputable waste collector will be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimise odour, pest and litter impacts.	All area/ During construction/ During operation	Contractor(s)/WSD		✓	<b>✓</b>	Implemented	-
S8.5	Recycling bins will be provided at strategic locations within the Site to facilitate recovery of recyclable materials (including aluminum can, waste paper, glass bottles and plastic bottles) from the Site. Materials recovered will be sold for recycling.	All area/ During construction/ During operation	Contractor(s)/WSD		✓	<b>√</b>	Implemented	-
S8.5	To avoid any odour and litter impact, accurate number of portable toilets will be provided for workers on-site.	All area/ During construction	Contractor(s)		<b>√</b>		Implemented	-
S8.5	The burning of refuse on construction sites is prohibited by law.	All area/ During construction	Contractor(s)		<b>\</b>		Implemented	Air Pollution Control Ordinance (Cap 311)
S8.7	To facilitate monitoring and control over the contractors' performance on waste management, a waste inspection and audit programme will be implemented throughout the construction phase.	All facilities/ During construction	ET/IEC		<b>√</b>		Implemented	-





EIA	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Aport	Impl	emer Stag	ntation	Implementation	Relevant Legislation &
Reference	Mitigation Measures	main concerns to address	Implementation Agent	D	C	0	Status	Guidelines
Ecology								
S9.7	For slope mitigation works within the Clear Water Bay Country Park, to avoid tree felling and damages to trees, the exact locations of the flexible barrier foundation plates, soil nails and rock dowels can be adjusted during detailed design, and a setback distance from existing trees is recommended to be maintained as far as practical. A detailed specification describing the exact locations of the flexible barrier foundation plates, soil nails and rock dowels will be prepared to illustrate how the setback distance from existing trees would be implemented for tree avoidance.	Slope mitigation works area/ During detailed design/ During construction	Contractor(s)	<b>*</b>	<b>✓</b>		N/A	-
S9.7	Pruning of tree canopies along the alignment of the flexible barriers shall be limited to a minimum.	Slope mitigation works area/ During construction	Contractor(s)		✓		N/A	
S9.7	The alignment of flexible barriers shall be optimized to preserve all species of conservation interest and minimize the impact to the existing vegetation as far as practicable. All individuals of <i>Marsdenia lachnostoma</i> within the slope mitigation areas shall be retained <i>in- situ</i> , by positioning the alignment of flexible barrier at a minimum 1.5m in a radius away from these individuals.	Slope mitigation works area/ During detailed design/ During construction	Contractor(s)	<b>✓</b>	<b>✓</b>		N/A	-
S9.7 and 9.10	At the detailed design stage prior to the commencement of the slope mitigation works, a vegetation survey shall be carried out at the slope mitigation areas within the Clear Water Bay Country Park to assess the condition and identify the location of each individual of <i>Marsdenia lachnostoma</i> and other flora species of conservation interest that may be directly affected by the construction works.	Slope mitigation works area/ During detailed design/ During construction	Contractor(s)	<b>✓</b>			Implemented	-
S9.7	Temporary fencing will be installed to fence off the concerned species either in groups of individually within the works area and in the close proximity to prevent from being damaged and disturbed during construction. A sign identifying the site shall be attached to the fence and flagging tape shall be attached to the individuals to visualize their locations.	Slope mitigation works area/ During construction	Contractor(s)		<b>√</b>		N/A	-
S9.7 and S9.10	A specification for fencing and demarcating individuals of <i>Marsdenai lachnostoma</i> (or other flora species of conservation interest, if found) adjacent to the proposed alignment of the flexible barriers will be prepared to protect the species.	Slope mitigation works area/ During construction	Contractor(s)		✓		N/A	-
S9.7	Induction training shall also be provided to all site personnel in order to brief them on this flora of conservation interest including the locations and their importance.	Slope mitigation works area/ During construction	Contractor(s)		✓		N/A	-





EIA	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Agent	Impl	emei Stag	ntation e	implementation	Relevant Legislation &
Reference	Mitigation Measures	main concerns to address		D	С	0	Status	Guidelines
S9.7	The resident site supervisory staff will closely monitor the conditions of concerned individuals during construction of flexible barriers in the close proximity.	Slope mitigation works area/ During construction	Contractor(s)		✓		N/A	-
S9.7	Erect fences along the boundary of the works area before the commencement of works to prevent vehicle movements and encroachment of personnel onto adjacent areas.	All area/ During construction	Contractor(s)		✓		Implemented	-
S9.7	Regularly check the work site boundaries to ensure that they are not breached and that damage does not occur to surrounding areas.	All area/ During construction	Contractor(s)/ET		✓		Implemented.	-
S9.7	Avoid any damage and disturbance, particularly those caused by filling and illegal dumping, to the surrounding habitats through proper management of waste disposal.	All area/ During construction	Contractor(s)		✓		Implemented	-
S9.7	Reinstate temporarily affected areas, particularly the habitats of plantation and shrubland-grassland immediately after completion of construction works, through on-site tree/shrub planting. The tree/shrub species will be chosen with reference to those in the surrounding area.	All area/ During construction	Contractor(s)		<b>✓</b>		N/A	-
S9.7	Affected habitats within the Clear Water Bay Country Bay shall be reinstated by hydro-seeding and planting of climbers and native shrub seedlings where practical upon completion of the slope mitigation works.	All area/ During construction	Contractor(s)		~		N/A	-





EIA	Recommended Environmental Protection Measures/	Objectives of the				tation	Implementation	Relevant Legislation &
Reference	•	recommended measures & main concerns to address	Implementation Agent	D	Stag C	e 0	Status	Guidelines
Landscap	e & Visual	main concerns to address			C			
S11.10 & 11.11	The construction area and area allowed for temporary structures, such as the contractor's office, will be minimized to a practical minimum. (MM1)	All area/ Detailed design/ During construction/ During operation	WSD/ Contractor(s)	✓	<b>√</b>	✓	Implemented	-
S11.10 & 11.11	At the detailed design stage, the design team will seek to minimize the landscape footprint of the Project and above ground facilities, while satisfying all other requirements. (MM2)	All area/ Detailed design/ During construction/ During operation	WSD/ Contractor(s)	<b>√</b>	<b>*</b>	<b>√</b>	Implemented	-
S11.10 & 11.11	Design principles will be adopted to take into account the surrounding area, particularly Clear Water Bay Country Park behind and the nearby waterfront, with due consideration given to:  - green roofs where practical (i.e. without equipment on the roof);  - roadside planting;  - aesthetic treatment of all structures;  - vertical greening;  - screen planting along application site; and  - landscape enhancement with amenity planting where practical including planting along the edge (site boundary) fence with native shrubs where feasible, to reduce their visual impact and blend them into the surrounding landscape. (MM3)	All area/ Detailed design/ During construction/ During operation	WSD/ Contractor(s)	<b>*</b>	*	<b>✓</b>	Implemented	-
S11.10 & 11.11	All trees within the Project Site or the potential slope mitigation works area will be carefully protected during construction according to DEVB TCW No. 10/2013 – Tree Preservation (MM4)	All area/ Detailed design/ During construction/ During operation	WSD/ Contractor(s)	<b>√</b>	1	✓	Implemented	ETWB TCW No. 3/2006 - Tree Preservation.
S11.10 & 11.11	No tree within the Country Park will be felled. Trees within the Site unavoidably affected by the works will be transplanted where necessary and practical. For trees that need to be felled, compensatory planting will be provided to the satisfaction of relevant Government departments.  A compensatory tree planting proposal including locations of tree compensation will be submitted to seek relevant government department's approval, in accordance with DEVB TC(W) No. 10/2013. (MM5)	All area/ Detailed design/ During construction/ During operation	WSD/ Contractor(s)	*	•	✓	Implemented	DEVB TC(W) No. 10/2013
S11.10 & 11.11	Any slope mitigation works necessary to address natural terrain hazards, will be minimized to minimize any potential environmental impact to the Country Park e.g. soil nailing and rock stabilization will aim to avoid existing trees e.g. should any restoration of vegetation be necessary, the best planting matrix with native species will be established, with the aim of resembling the existing vegetation. (MM6)	All area/ Detailed design/ During construction/ During operation	WSD/ Contractor(s)	✓	•	✓	N/A	





EIA Reference	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Agent	-	emer Stag	itation e	Implementation Status	Relevant Legislation & Guidelines
Reference	Mitigation Measures	main concerns to address		D	C	0	Status	
S11.10 &	Dredging works for the installation of intake structures and	All area/ Detailed design/	WSD/ Contractor(s)	✓	✓	✓	Implemented	
11.11	outfall diffusers should be minimized to avoid or reduce any	During construction/ During						
	potential environmental impacts to as low as reasonably	operation						
	practicable (ALARP). The intake and outfall structures (e.g.							
	intake openings and diffuser heads) will be prefabricated and							
	transferred to site for installation. (MM7)							
S11.10 &	All night-time lighting will be reduced to a practical minimum	All area/ Detailed design/	WSD/ Contractor(s)	✓	✓	✓	Implemented	-
11.11	both in terms of number of level and will be hooded and	During construction/ During						
	directional. (MM8) units and lux level and will be hooded and	operation						
	directional. (MM8)	-						





				Imple	emen	tation		
EIA	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Agent		Stage		Implementation	Relevant Legislation &
Reference	Mitigation Measures	main concerns to address	Implementation Agent	D	С	0	Status	Guidelines
Landfill Ga								
S12.7	During all works, safety procedures should be implemented to minimise the risks of fires and explosions, asphyxiation of workers and toxicity effects resulting from contact with contaminated soil and groundwater.	All area/ Detailed design/ During construction/operation	Contractor(s)	<b>→</b>	<b>✓</b>	✓	Implemented	-
S12.7	During trenching and excavation as well as creation of confined spaces at near to or below ground level, precautions should be clearly laid down and rigidly Gas detection equipment and appropriate breathing apparatus should be available and used when entering confined spaces or trenches deeper than 1 meter.	All area/ Detailed design/ During construction/operation	Contractor(s)	✓	<b>*</b>	<b>✓</b>	Implemented	
S12.7	The Contractor should make the workers are aware of potential hazards of working in confined spaces (any chamber, manhole or culvert which is large enough to permit access to personnel). Such work in confined spaces is controlled by the Factories and Industrial Undertakings (Confined Spaces) Regulations of the Factories and Industrial Undertakings Ordinance.  Following the Safety Guide to Working in Confined Spaces ensures compliance with the above regulations.	All area/ Detailed design/ During construction/operation	Contractor(s)	<b>&gt;</b>	<b>✓</b>	<b>✓</b>	Implemented	
S12.7	Safety officers, specifically trained with regard to landfill gas and leachate related hazards and the appropriate actions to take in adverse circumstances, should be present on the site throughout the works, in particular, when works are undertaken below grade.	All area/ Detailed design/ During construction/operation	Contractor(s)	<b>√</b>	<b>*</b>	✓	Implemented	
S12.7	All personnel who work on site and all visitors to the site should be made aware of the possibility of ignition of gas in the vicinity of the works, the possible presence of contaminated water and the need to avoid physical contact with it.	All area/ Detailed design/ During construction/operation	Contractor(s)	✓	<b>√</b>	✓	Implemented	
S12.7	Monitoring for landfill gas should be undertaken in all excavations, manholes, chambers (particularly during pipe jacking) and any confined spaces through the use of an intrinsically safe portable instrument, appropriately calibrated and capable of measuring the concentrations of methane. carbon dioxide and oxygen.	All area/ Detailed design/ During construction/operation	Contractor(s)	<b>√</b>	<b>~</b>	~	Implemented	
S12.7	Monitoring frequency and areas to be monitored should be specified prior to commencement of groundwork, either by the Safety Officer, or by an appropriately qualified person. All measurements should be recorded and documented.	All area/ Detailed design/ During construction/operation	Contractor(s)	✓	<b>✓</b>	✓	Implemented	
S12.7	Proceed drilling with adequate care and precautions against the potential hazards which may be encountered.	All area/ Detailed design/ During construction/operation	Contractor(s)	<b>&gt;</b>	<b>√</b>	✓	Implemented	





		Objectives of the		_		tation		
EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	recommended measures &	Implementation Agent	D	Stage C	0	Implementation Status	Relevant Legislation & Guidelines
Kelei elice	Mitigation Measures	main concerns to address		ש			Status	duidennes
S12.7	Prior to the commencement of the site works, the drilling contractor should devise a 'method-of- working' statement covering all normal and emergency procedures (including but not limited to number of operatives, experience and special skills of operatives, normal method of operations, emergency procedures, <i>supervisors</i> responsibilities, storage and use of safety equipment, safety procedures and signs, barriers and guarding). The site <i>supervisor</i> and all operatives must be familiar with this statement.	All area/ During construction/operation	Contractor(s)	<b>√</b>	<b>✓</b>	<b>√</b>	Implemented	
S12.7	Where below ground service entries are necessary to the Incoming Switchgear Room, 132 kV Substation and Chlorine Store (I) and (II), the entry point should be sealed to prevent gas entry. In addition, any below grade cable trenches entering the Incoming Switchgear Room and 132 kV Substation can become the pathway for landfill gas and hence grilled metal covers should be used.	All area/ Detailed design/ During construction/operation	Contractor(s)	•	•	•	N/A	
S12.7	It is recommended regular landfill gas monitoring should be carried out at the Incoming Switchgear Room, 132 kV Substation and Chlorine Store (I) and (II). The monitoring frequency will be monthly for the first year of operation. If the monitoring results show no sign of landfill gas migration, reduce the monitoring frequency to once every six months.	All area/ Detailed design/ During construction/operation	Contractor(s)	<b>√</b>	<b>✓</b>	<b>√</b>	N/A	
S12.7	The manholes and utility pits within the Project Site and along the fresh water mains. Each manhole/ utility pit should be monitored with two measurements (at mid depth and base). Each measurement should be monitored for a minimum of 10 minutes. A steady reading and peak reading should be recorded at each manhole/ utility pit and for each measurement. The need for venting the manhole/ utility pit and further monitoring will be reviewed after the initial monitoring.	All area/ Detailed design/ During construction/operation	Contractor(s)	•	<b>✓</b>	<b>✓</b>	Implemented	
S12.7	All construction, operation and maintenance personnel working on-site as well as visitors should be made aware of the hazards of landfill gas and its possible presence on-site. This should be achieved through a combination of posting warning signs in prominent places and also by access to detailed information on landfill gas hazards and the designs and procedural means by which these hazards are being minimized on-site.	All area/ Detailed design/ During construction/operation	Contractor(s)	<b>√</b>	<b>✓</b>	<b>√</b>	Implemented	





## Appendix D

Impact Monitoring Schedule of the Reporting Month

### Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

		Aug-22			
	Mon Tue	Wed	Thu	Fri	Sat
	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR36, WSR37 Tabal Period:  18 Tabal Period: 18 Tabal Period: 18 Tabal 11:43-18-31 Flood Tabe: 05:91-11:43 Monitoring Tabal Monitoring Tabal Monitoring Mid-obb: 13:22-16:52 Mid-floot: 18:20-10:52	WSR33.	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tadal Period: EBs Tide: 13:00-20:00 Flood Tide: 07:00-13:00 Monitoring Time: Mid-sbb: 14-45-18:15 Mid-flood: 08:15-11-45		Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR16, WSR36, WSR37  Tadal Period: Ebb Tide: 640-00-09-32 Flood Tide: 69-32-16-640  Monitoring Time: Md-ebb: 08:00-09-15 Mid-flood: 112-11-451
	8 9	10	11	12	13
	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR4, WSR16, WSR36, WSR37, WSR36, WSR37, Tabla Pietod:  Ebb Tide: 05:43-14-00  Flood Tide: 14:00-21:00  Monitoring Times  Mid-ebb: 08:00-11:30  Mid-flood: 15:45-79:00 (cancelled)	WSR33,	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Periol: Ebb Tide: 07-43-15-22 Flood Tide: 15'2-2-2-32 Monitoring Time; Mid-shb: 09-47-13-17 Mid-flood: 15-31-19-00		Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WS WSR36, WSR37 Tidal Period. Elsb Tide: 10:004-7:00 Flood Tide:03:00-10:00 Monitoring Time: Mid-ebel: 145-15:15 Mid-flood/8050-10:00
	15 16	17	18	19	20
	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR3, WSR3, WSR3, WSR37 Tald Period: Ebb Tale 12:18-18-12 Flood Tale 02:28-12:18 Monitoring Time: Mid-ebb: 12:53-16-23 Mid-flood: 05:001-110	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR4, WSR4, WSR4, WSR3, WSR3, WSR37  Taid Period: Ebb Tale: 13-56-19-00 Flood Tide: 97:13-13-56  Monitoring Time: Nid-ebb: 14-56-17-36 Mid-flood: 08-40-11-24			
	22 23	24	25	26	27
Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR16, WSR33, WSR36, WSR37 Table Prioric Ebb Tale: 0400-10.55 Flood Tide: 105-523-59 Monitoring Time: Mid-sho 0800-10.24 Mid-flood: 16:37-19:00	Impact Water Quality monitoring for	WSR33,	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR1, WSR4, WSR16, WSR33, WSR36, WSR37 Tabla Period: Ebb Tulee 07:200-15:09 Flood Tride: 15:09-22:00 Monitoring Time: Mid-ebbo 09/29/12/29 (cancilled) Mid-flood: 15:29-18:59 (cancelled)		Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR WSR16, WSR2, WSR16, WSR2, WSR16, WSR2, WS
	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR50, WSR50 - WSR50, WSR50				

Note:

- Due to safety concern of vessel transportation earlier than 0700. Water Quality Monitoring would start at 0800.

- Prioritized routing: Mid-Elbo: CE - WSR 16 - WSR 37 - WSR 33 - WSR 33 - WSR 34 - Remaining stations and Mid-Flood: CF - WSR 1 - WSR 2 - WSR 34 - WSR





## Appendix E

Event / Action Plan for Noise Exceedance





Table E1 Event and Action Plan for Construction Noise Monitoring

Event	Action											
	ET		IEC		ER		Co	ntractor				
Action Level	1. 2. 3. 4.	Carry out investigation to identify the source and cause of the complaint/ exceedance(s) Notify IEC, ER, and Contractor and report the results of investigation to the Contractor, ER and the IEC Discuss with the Contractor and IEC for remedial measures required If the complaint is related to the Project, conduct additional monitoring for checking mitigation effectiveness and report the findings and results to the IEC, ER and the Contractor	1. 2. 3.	Review the analyzed results submitted by the ET Review the proposed remedial measures by the Contractor and advise the ER accordingly Supervise the implementation of remedial measures	<ol> <li>2.</li> <li>3.</li> </ol>	Confirm receipt of Notification of Exceedance in writing Require Contractor to propose remedial measures for the analysed noise problem Ensure remedial measures are properly implemented	1.	Submit noise mitigation proposals, if required, to the IEC and ER Implement noise mitigation proposals.				
Limit Level	1. 2. 3. 4. 5.	Carry out investigation to identify the source and cause of the exceedance Notify IEC, ER, Project Proponent, EPD and Contractor Repeat measurements to confirm findings Provide investigation report to IEC, ER, EPD and Contractor he causes of the exceedances If the exceedance is related to the Project, assess effectiveness by additional monitoring. Report the remedial action implemented and the additional monitoring results to IEC, EPD, ER and Contractor		Review the analyzed results submitted by the ET Discuss the potential remedial measures with ER, ET Leader and Contractor Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly Supervise the implementation of remedial measures	2.	Confirm receipt of Notification of Exceedance in writing Require the Contractor to propose remedial measures for the analysed noise problem Ensure remedial measures are properly implemented If exceedance continues, consider what activity of the work is responsible and instruct the Contractor, in agreement with the Project Proponent, to stop that activity of work until the exceedance is abated	1. 2. 3. 4. 5.	Take immediate action to avoid further exceedance Submit proposals for remedial actions to IEC and ER within 3 working days of notification Implement the agreed proposals Resubmit proposals if problem still not under control Stop the relevant activity of works as determined by the Project Proponent until the exceedance is abated				

Notes: ET = Environmental Team, IEC = Independent Environmental Checker; ER = Engineering Representatives





### Appendix F

Noise Monitoring Equipment Calibration Certificate (Blank)





(Blank)





## Appendix G

Event / Action Plan for Water Quality Exceedance





#### Table G1 Event and Action Plan for Water Quality Monitoring

Event	Action			
	ET	IEC	Contractor(s)	ER
Action Level being exceeded by one sampling day	Repeat in situ measurement on the next day of exceedance to confirm findings;     Check monitoring data, plant, equipment and Contractor(s)'s working methods;     Identify source(s) of impact and record in notification of exceedance;     Inform IEC, Contractor(s) and ER.	Check monitoring data submitted by ET and Contractor(s)'s working methods;     Inform EPD.	Confirm receipt of notification of exceedance in writing:     Check plant and equipment and rectify unacceptable practice	<ol> <li>Confirm receipt of notification of exceedance in writing.</li> </ol>
Action Level being exceeded by two or more consecutive sampling days	Repeat in situ measurement on the next day of exceedance to confirm findings;     Check monitoring data, plant, equipment and Contractor(s)'s working methods;     Identify source(s) of impact and record in notification of exceedance;     Inform IEC, Contractor(s) and ER;     Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented	Contractor(s)'s working methods;	Confirm receipt of notification of exceedance in writing;     Check plant and equipment and rectify unacceptable practice;     Consider changes of working methods;     Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days;     Implement the agreed mitigation measures.	Confirm receipt of notification of exceedance in writing;     Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented.     Ensure additional mitigation measures are properly implemented.
Limit Level being exceeded by one sampling day	Repeat in situ measurement on the next day of exceedance to confirm findings;     Check monitoring data, plant, equipment and Contractor(s)'s working methods;     Identify source(s) of impact and record in notification of exceedance;     Inform IEC, Contractor(s) and ER;     Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented	Check monitoring data submitted by ET and Contractor(s)'s working methods;     Inform EPID;     Discuss with ET and Contractor(s) on additional mitigation measures and advise ER accordingly;     Assess the effectiveness of the implemented mitigation measures.	Confirm receipt of notification of exceedance in writing:     Check plant and equipment and rectify unacceptable practice;     Critically review the need to change working methods;     Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days;     Implement the agreed mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented. 3. Ensure additional mitigation measures are properly implemented. 4. Request Contractor(s) to critically review the working methods.
Limit Level being exceeded by two or more consecutive sampling days	Repeat in situ measurement on the next day of exceedance to confirm findings;     Check monitoring data, plant, equipment and Contractor(s)'s working methods;     Identify source(s) of impact and record in notification of exceedance;     Inform IEC, Contractor(s) and ER;     Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented	Check monitoring data submitted by ET and Contractor(s)'s working methods;     Inform EPD;     Discuss with ET and Contractor(s) on additional mitigation measures and advise ER accordingly;     Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of exceedance in writing: 2. Check plant and equipment and rectify unacceptable practice; 3. Critically review the need to change working methods; 4. Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days; 5. Implement the agreed mitigation measures. 6. As directed by ER, slow down or stop all or part of the marine construction works/ production volume of the desalination plant until no exceedance of Limit Level.	mitigation measures and agree on the mitigation measures to be implemented.  3. Ensure additional mitigation measures are properly implemented.  4. Request Contractor(s) to critically review the working methods;  5. Consider and instruct, if necessary, the  Contractor(s) to slow down or to stop all or part of

Notes: ET = Environmental Team, IEC = Independent Environmental Checker; ER = Engineering Representatives. The above actions should be taken within 1 working day after the exceedance is identified during operation phase.





# Appendix H

Waste Flow Table

#### Contract No. 13/WSD/17

#### Environmental Management Plan for Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

Appendix F - Monthly Summary Waste Flow Table

Name of Department: WSD Contract No.: 13/WSD/17

#### Monthly Summary Waste Flow Table for <u>2022</u> (year)

W	Actual Quantities of Inert C&D Materials Generated Monthly				Actual Quantities of C&D Wastes Generated Monthly						
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)
Jan	233.850	0.000	0.000	0.000	233.850	0.000	0.000	0.069	0.005	0.005 0.000	
Feb	175.850	0.000	0.000	0.000	175.850	0.000	0.000	0.000	0.000	0.296	293.130
Mar	68.790	0.000	0.000	0.000	68.790	0.000	0.000	0.000	0.000	0.000	54.140
Apr	29.050	0.000	0.000	0.000	29.050	0.000	0.001	0.165	0.004	0.000	113.780
May	6.300	0.000	0.000	0.000	6.300	0.000	0.000	0.000	0.000	0.000	139.110
Jun	80.960	0.000	0.000	0.000	80.960	0.000	0.000	0.124	0.004	0.000	271.000
Sub-total	594.800	0.000	0.000	0.000	594.800	0.000	0.001	0.357	0.013	0.296	980.180
Jul	2772.650	0.000	0.000	0.000	2772.650	0.000	0.000	0.000	0.000	0.000	252.740
Aug	10435.650	0.000	0.000	0.000	10435.650	0.000	0.000	0.170	0.090	0.000	195.100
Sep											
Oct											
Nov											
Dec											
Total	13803.100	0.000	0.000	0.000	13803.100	0.000	0.001	0.527	0.103	0.296	1428.020

Notes:

- (1) The performance targets are given in Section 1.69 of Specification B
- (2) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- (3) Plastics refer to plastic bottles/containers, plastic sheets/ foam from packaging material

<sup>\*</sup> The data will be reviewed in next month.





# Appendix I

Site Inspection Proforma





#### WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST

Inspection Date:	2/8/2000 Inspected by: ET Jacky Legy	so: Raymod Kok WSD:				
Inspection Time:	14:30 - 16:00 Contractor: Brian Kin	IEC:	is from			
Weather	,					
Condition	Sunny Fine Overcast Drizzle Rain	Storm	Ш	lazy		
Temperature	Humidity High Moderate	Low				
Wind	Calm Light Breeze Strong					
				1000		
Item EIA ref.		N/A	Yes	No	Photo/Remarks	
No.						
0.00	General		$\overline{}$			
0.01	Is the current Environmental Permit displayed conspicuously at all vehicle site		$\checkmark$			
0.02	entrances/exits for public's information at any time?					
0.02	Is ET Leader's log-book kept readily available for inspections?		J			
	Construction Dust					
1.00 S4.8.1	Are dusty materials, such as excavated materials, building debris and construction					
1.01	materials, and exposed earth surface properly covered to prevent dust emission?		Y	ш	-	
1.02 S4.8.1	Are screenings, enclosures, water spraying or vacuum cleaning devices provided to			$\Box$		
	dusty construction works for dust suppression?		$\vee$			
1.03 S4.8.1	Are fumes or smoke emitting plants or construction activities shielded by a screen?	<u> </u>		$\overline{\Box}$		
			Ш		-	
1.04 S4.8.1	Are wheel-washing facilities with high-pressure water jets provided at all site exits?			П		
1.05 S4.8.1			<u>V</u>			
	Is wheel-washing provided to all vehicles leaving the site?					
1.06 S4.8.1				=		
	Are road section near the site exit free from dusty material?					
1.07 \$4.8.1	Are all main haul roads inside the site paved or sprayed with water to minimize				2 / .	
	dust emission during vehicle movement?		$\checkmark$	Ш	Keminder!	
1.08 S4.8.1	Are water spraying provided immediately prior to any loading or transfer of dusty					
	materials?		Ш	Ш		
1.09 S4.8.1	Are covers provided to all dump trucks carrying dusty materials when entering and		[7]			
1.10 S4.8.1	leaving the site?		V		13 <del>-11-11-11-11-11-11-11-11-11-11-11-11-11</del>	
	Are the working areas for uprooting of trees, shrubs, or vegetation or the removal					
	of boulders, poles, pillars sprayed with water to maintain the entire surface wet?					
	Is exposed earth properly treated within six months after the last construction					
.12 S4.8.1	activity on site?					
34.6.1	Does the operation of plants on site free form dark smoke emission?		$\sqrt{}$			
.13 S4.8.1						
	Are vehicles travelling at speed not exceeding 15km/hr within the site?		$\sqrt{}$			
.14 S4.8.1	Are stock of more than 20 bags of cement or day PFA covered or sheltered on top		$\Box$			
	and 3 sides?	$\checkmark$		$\Box$		





Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Photo/Remarks Are de-bagging, batching and mixing processes of bagged cement carried out in 1.15 S4.8.1 sheltered areas? Are hoarding of at least 2.4m high provided along the site boundary adjoining areas 1.16 S4.8.1 accessible by the public? Is open burning prohibited? 1.17 S4.8.1 Construction Noise (Airborne) 2.00 Are quiet plants adopted on site? S5.7 2.01 2.02 S5.7 Are the PMEs operating on site well-maintained to minimize the generation of excessive noise? 2.03 S5.7 Are plants throttled down or turned off when not in use? Are the plants known to emit noise strongly in one direction oriented to face away 2.04 S5.7 2.05 S5.7 Are moveable barriers provided to screen NSRs from plant or noisy operations? 2.06 S5.7 Are silencers, mufflers and enclosures provided to plants? S5.7 Are the hoods, cover panels and inspection hatches of PMEs closed during 2.07 operation? Are purposely-built site hoarding construction with appropriate materials provided 2.08 S5.7 along the site boundary? Are noisy operation properly scheduled to minimize exposure and cumulative S5.7 2.09 impacts to nearby sensitive receivers? Are valid noise emission label(s) affixed to all hand-held breakers operating on 2.10 S5.7 site? Are valid noise emission label(s) affixed to all air compressors operating on site? 2.11 S5.7 2.12 S5.7 Are all construction noise permit(s) applied for percussive piling work? 2.13 S5.7 Are construction noise permit(s) applied for general construction works during restricted hours? Are valid construction noise permit(s) displayed at all vehicular exits? 2.14 S5.7 3.00 Water Quality Is effluent discharge license obtained for wastewater discharge from site? 3.01 \$6.9 Is effluent discharged according to the effluent discharge license? 3.02 S6.9 3.03 S6.9 Is wastewater discharge from site properly treated prior to discharge? Are perimeter channels provided to intercept storm runoff from outside the site? 3.04 \$6.9 3.05 S6.9 Are sand/silt removal facilities such as sand/silt traps and sediment basins provided to remove sand/silt particles from runoff?





Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Item N/A Photo/Remarks No. 3.06 S6.9 Is surface runoff diverted to sedimentation facilities? 3.07 S6.9 Is the drainage system properly maintained? 3.08 S6.9 Are construction works carefully programmed to minimize soil excavation works during rainy seasons? 3.09 S6.9 Are exposed soil surface protected by paving as soon as possible to reduce the potential of soil erosion? 3.10 \$6.9 Are temporary access roads protected by crushed gravel? 3.11 \$6.9 Are exposed slope surface properly protected? 3.12 \$6.9 Is trench excavation avoided in the wet season as far as practicable, or if necessary, backfilled in short sections after excavation? 3.13 S6.9 Are open stockpiles of construction materials on site covered by tarpaulin or similar fabric during construction? 3.14 S6.9 Is runoff from wheel-washing facilities avoided? 3.15 S6.9 Is oil leakage or spillage prevented? 3.16 S6.9 Are there any measures to prevent the release of oil and grease into the storm drainage system? 3.17 \$6.9 Are the oil interceptors/ grease traps properly maintained? 3.18 S6.9 Are debris and rubbish generated on site collected, handled and disposed of properly to avoid them entering the streams? 3.19 S6.9 Are all fuel tanks and storage areas provided with locks and be sited on sealed areas, within bunds of capacity equal to 110% of the storage capacity of the largest 3.20 \$6.9 Are tanks, containers, storage area bunded and the locations locked as far as possible from the sensitive watercourse and stormwater drains? 3.21 \$6.9 Are sufficient chemical toilets provided on site to handle sewage from construction work force? 3.22 S6.9 Are sewage disposal and toilet maintenance of the portable chemical toilets provided by the licensed contractors? 3.23 \$6.9 Is concrete washing water properly collected and treated prior to discharge? 3.24 S6.9 Is suitable type of silt curtains deployed during dredging to reduce the elevation of suspended solids to nearby sensitive receivers? 3.25 S6.9 Is closed grab dredger used to reduce the potential leakage of sediments? 3.26 S6.9 Is closed grab dredger of 3 to 6 m<sup>3</sup> used for dredging at seawater intake? 3.27 \$6.9 Is specific work staff assigned the responsibility for monitoring the number of grab dredged per hour? Is number of cycle limited to 20-21 grab per hour for 3m<sup>3</sup> closed grab, 10-11 grab per hour for 6m3 closed grab?



Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Photo/Remarks Item No. Is the grab operated in slow and controlled manner such that the impact to seabed 3.28 S6.9 by the grab when being lowered could be minimized? Is the operator ensured the grab be properly closed before lifting the grab? Is the maximum allowed dredging rate at the seawater intake limited to 750 m3/day 3.29 S6.9 while the maximum allowed dredging rate at the submarine outfall is 3,500 Is dredged marine sediment disposed of in a gazetted marine disposal area in 3.30 S6.9 accordance with marine dumping permit conditions of the Dumping at Sea Ordinance (DASO)? Are disposal vessels fitted with tight bottom seals in order to prevent leakage of 3.31 S6.9 material during transport? Are barges filled to a level which ensures that material does not spill over during 3.32 S6.9 transport to the disposal site and that adequate freeboard is maintained to ensure that the decks are not washed by wave action? Are excess materials cleaned from decks and exposed fittings before the vessel is 3.33 S6.9 moved from the dredging area after dredging? 3.34 \$6.9 Are the contractor(s) confirmed that the works cause no visible foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the dredging site? When the dredged material has been unloaded at the disposal areas, is any material 3.35 S6.9 accumulated on the deck or other exposed parts of the vessel removed and placed in the hold or a hopper? Is dredger maintained adequate clearance between vessels and the seabed at all 3.36 S6.9 states of the tide and reduce operations speed to ensure that excessive turbidity is not generated by turbulence from vessel movement or propeller wash? Is the contractor shall regularly inspect the silt curtains and check that they are 3.37 S6.9 moored and marked to avoid danger to marine traffic? Is regular inspection on the integrity of the silt curtain carried out by the contractor and any damage to the silt curtain shall be repaired by the contractor promptly? 3.38 S6.9 Are all vessels have a clean ballast system? Are all vessels well maintained and inspected before use to limit any potential 3.39 \$6.9 discharges to the marine environment? Is any discharge of sewage/grey wastewater? Is wastewater from potentially 3.40 S6.9 contaminated area on working vessels should be minimized and collected? 3.41 S6.9 Is any soil waste disposed overboard? 4.00 Waste Management Is a trip-ticket system implemented to monitor the disposal of C&D and solid 4.01 \$8.5 wastes at public filling facilities and landfills? Is a recording system implemented to record the amount of wastes generated, 4.02 S8.5 recycled and disposed of? 4.03 S8.5 Is the Contractor registered as a chemical waste producer?



11.11



Member of the Aurecon Group Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Item N/A Yes Photo/Remarks No 4.04 S8.5 Is chemical waste separated from other waste and collected by a licensed chemical waste collector? 4.05 S8.5 Are trip tickets for chemical waste disposal available for inspection? 4.06 S8.5 Is chemical waste reused and recycled on site as far as practicable? 4.07 S8.5 Are all containers for chemical waste properly labelled? Is chemical waste storage area used solely for storage of chemical waste and 4.08 S8.5 properly labelled? 4.09 S8.5 Are incompatible chemical wastes stored in different areas? 4.10 S8.5 Is the chemical waste storage area enclosed on at least 3 sides and adequately 4.11 S8.5 Is an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or of 20% by volume of the chemical waste stored in that area, whichever is the greatest, provide? 4.12 S8.5 Are a routine cleaning and maintenance programme implemented for drainage systems, sump pits, and oil interceptors? 4.13 S8.5 Are sufficient general refuse disposal/collection points provided on site? 4.14 S8.5 Is general refuse disposed of properly and regularly? 4.15 S8.5 Are appropriate measures adopted to minimize windblown litter and dust during transportation of waste? 4.16 S8.5 Are individual collectors for aluminum cans, plastic bottles and packaging material and office paper provided to encourage waste segregation? 4.17 S8.5 Are C&D wastes sorted on site? 4.18 S8.5 Are C&D waste disposed of properly? 4.19 S8.5 Are unused C&D materials or chemicals recycled or reused to reduce the quantity 4.20 S8.5 Are public fill and C&D waste reuse on site as far as practicable to avoid disposal 4.21 S8.5 Are the construction materials stored properly to minimize the potential for damage or contamination? 4.22 S8.5 Is a dumping license obtained to deliver public fill to public filling areas? 5.00 S11.10 Landscape and Visual 5.01 & 11.11 Are Is site hoarding provided? 5.02 \$11.10 & Are vegetation disturbance minimized or soil protected to reduce potential soil erosion? 11.11 5.03 S11.10 & Is construction light oriented away from the sensitive receivers?



Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Photo/Remarks Item No 5.04 S11.10 Is grass hydroseeding provided to slopes as soon as the completion of works? & 11.11 5.05 S11.10 & Are damages to trees outside site boundary due construction works avoided? 11.11 5.06 \$11.10 & excavation works carried out manually instead of machinery operation within 2.5m 11.11 vicinity of any preserved trees? 5.07 S11.10 & Are the retained and transplanted tree(s) properly protected and in good conditions? 20 minder 11.11 5.08 S11.10 & Are surgery works carried out for damaged trees? 11 11 6.00 S9.7 Ecology 6.01 Is site runoff properly treated to prevent any silly runoff? 6.02 S9.7 Are silt trap installed and well-maintained? 6.03 S9.7 Are stockpiles properly covered to avoid generating silty runoff? 6.04 S9.7 Are construction works restricted to works area which are clearly defined? For slope mitigation works within the Clear Water Bay Country Park, are tree felling and 6.05 \$9.7 damages to trees, the exact locations of the flexible barrier foundation plates, soil nails and rock dowels adjusted during detailed design, and a setback distance from existing trees is recommended to be maintained as far as practical? 6.06 S9.7 Are pruning of tree canopies along the alignment of the flexible barriers limited to a 6.07 S9.7 Is the alignment of flexible barriers optimized to preserve all species of conservation interest and minimize the impact to the existing vegetation as far as practicable? Are the alignment of flexible barriers positioned at minimum 1.5 m in a radius away from these 6.08 S9.7 Is temporary fencing installed to fence off the concerned species either in groups of individually within the works area and in the close proximity to prevent from being damaged and disturbed during construction? Is a sign identifying the site attached to the fence and flagging tape shall be attached to the individuals to visualize their locations? 6.09 S9.7 Is a specification for fencing and demarcating individuals of Marsdenai lachnostoma (or other flora species of conservation interest, if found) adjacent to the proposed alignment of the flexible barriers prepared to protect the species? Is any induction training provided to all site personnel in order to brief them on this flora 6.10 S9.7 of conservation interest including the locations and their importance? 6.11 S9.7 Is the resident site supervisory staff closely monitor the conditions of concerned individuals during construction of flexible barriers in the close proximity? Are fences erected along the boundary of the works area before the commencement of 6.12 S9.7 works to prevent vehicle movements and encroachment of personnel onto adjacent areas? 6.13 S9.7 Is regular check of the work site boundaries performed to ensure that they are not breached and that damage does not occur to surrounding areas? 6.14 S9.7 Is any damage and disturbance avoided, particularly those caused by filling and illegal dumping, to the surrounding habitats through proper management of waste disposal?





	Contra	ict no. 13/WSD/1/ Design, Build and Operate First Stage of	rseung K	wan O	Desalina	ation Plant
Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
6.15	S9.7	Are temporarily affected areas reinstated, particularly the habitats of plantation and shrubland-grassland immediately after completion of construction works, through on-site tree/shrub planting?				-
6.16	S9.7	Are affected habitats within the Clear Water Bay Country Bay reinstated by hydro- seeding and planting of climbers and native shrub seedlings where practical upon completion of the slope mitigation works?		har		
7 <b>.00</b> 7.01	S12.7	Landfill Gas Hazard  Are the safety procedures implemented to minimise the risks of fires and explosions, asphyxiation of works and toxicity effects during all works?				
7.02	S12.7	Are the gas detection equipment and precautions being used during trenching and excavation as well as creation of confined spaces?				
7.03	S12.7	Are the training with regard to the awareness of potential hazards of working in confined spaces provided from the Contractor to the workers?				
	S12.7	Are the safety officers trained with regard to landfill gas and leachate related hazards and presented on the site throughout the works undertaken below grade?		V		-
7.05	S12.7	Are the all personnel working on site and all visitor made aware of the possibility of ignition of gas, the possible presence of contaminated water and the need to avoid physical contact?				
7.06	S12.7	Is the monitoring of landfill gas being undertaken in all excavations, manholes, chambers and any confined spaces?		V		
7.07	S12.7	Are the monitoring frequency and areas being specified by the safety officers or appropriately qualified person? Are the all measurements being recorded and documented?	$\sqrt{}$			
7.08	S12.7	Is the drilling proceeded with adequate care and precautions against the potential hazards?				
7.09	S12.7	Is the method statement covering all normal and emergency procedures provided by the drilling contractor prior to the commencement of the site works?				
7.10	S12.7	Are the below ground services entries being sealed to prevent gas entry? Are the grilled metal covers being used for below grade cable trenches?				
7.11		Is each manhole or utility pit monitored with two measurements (at mid-depth and base) for minimum of 10 minutes? Is the steady reading and peak reading recorded at each manhole or utility pit?				
1.12	S12.7	Are the warning signs of the hazards of landfill gas and its possible presence on site posted in prominent places?				_
3. <b>00</b> 3.01	-	Overall  Is the EM&A properly implemented in general?				





Remark / Follow up of Observ	ation(s) and Non-compliance(s	) of Last Weekly Site Inspecti	on:	
Reminders	7 /		i 22 2 2 2 4	le moter
1.) The cont.	hactors one r	eninded to	1 and	
Spraying	fregainey	along the has	9 109018.	
2.) The cont	ractors one	reminded 1	o protect	the trees
Olycing the	nemoval of	I landstide	debris no	sor the chance
Le Moin Flect	hecland Mil	Ver Plant Bu	loling	
Observations	2		, , , , , , , , , , , , , , , , , , ,	,,
1) 1/200 00	e tur chemic	tonks lo	und Nean 1.	he
Barinis,	Inotion Build	ing without	2 proper	storage
or dip	trey. The con	tractors are	remind ed	to
provide a	e two themselved fredien Build. trey. The corporer sto	rage asap.		
Signatures:				
ET	Contractor's	Supervising Officer's	IEC's	WSD's
Representative	Representative	Representative	Representative	Representative
(Name:	(Name: R	(Name: A)	(Name: )	) (Name:
Lound Munt	Ho Prankan	topail 6	Valan	





# WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST

Con	dition	Sunny Fine Overcast Drizzle Rain	Storm		Hazy	
Tem	perature	C Humidity High Moderate	Low			
Win	d .	Calm Light Breeze Strong				
Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
0.0		General				
0.01		Is the current Environmental Permit displayed conspicuously at all vehicle site		$\sqrt{}$		
0.02	_	entrances/exits for public's information at any time?				
0.02		Is ET Leader's log-book kept readily available for inspections?				
	24.01	Construction Dust		_/		
1.00 1.01		Are dusty materials, such as excavated materials, building debris and construction		$\checkmark$		4
	S4.8.1	materials, and exposed earth surface properly covered to prevent dust emission?				
		Are screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty construction works for dust suppression?				
1.03	\$4.8.1	Are fumes or smoke emitting plants or construction activities shielded by a screen?				
1.04	\$4.8.1	Are wheel-washing facilities with high-pressure water jets provided at all site exits?				
1.05	\$4.8.1	Is wheel-washing provided to all vehicles leaving the site?				
1.06	S4.8.1	Are road section near the site exit free from dusty material?		$\sqrt{}$		
1.07	S4.8.1	Are all main haul roads inside the site paved or sprayed with water to minimize				
		dust emission during vehicle movement?		$\checkmark$		
		Are water spraying provided immediately prior to any loading or transfer of dusty materials?				
1.09		Are covers provided to all dump trucks carrying dusty materials when entering and leaving the site?				
1.10		Are the working areas for uprooting of trees, shrubs, or vegetation or the removal				
	_	of boulders, poles, pillars sprayed with water to maintain the entire surface wet?	$\vee$			
		Is exposed earth properly treated within six months after the last construction activity on site?	/			
1.12	S4.8.1	Does the operation of plants on site free form dark smoke emission?				
1.13	S4.8.1	Are vehicles travelling at speed not exceeding 15km/hr within the site?				
.14		Are stock of more than 20 bags of cement or day PFA covered or sheltered on top and 3 sides?				



Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Photo/Remarks Item Are de-bagging, batching and mixing processes of bagged cement carried out in \$4.8.1 1.15 sheltered areas? Are hoarding of at least 2.4m high provided along the site boundary adjoining areas 1.16 S4.8.1 accessible by the public? Is open burning prohibited? 1.17 S4.8.1 Construction Noise (Airborne) 2.00 Are quiet plants adopted on site? 2.01 \$5.7 Are the PMEs operating on site well-maintained to minimize the generation of 2.02 S5.7 excessive noise? 2.03 S5.7 Are plants throttled down or turned off when not in use? 2.04 S5.7 Are the plants known to emit noise strongly in one direction oriented to face away 2.05 S5.7 Are moveable barriers provided to screen NSRs from plant or noisy operations? 2.06 S5.7 Are silencers, mufflers and enclosures provided to plants? Are the hoods, cover panels and inspection hatches of PMEs closed during 2.07 \$5.7 operation? Are purposely-built site hoarding construction with appropriate materials provided 2.08 S5.7 along the site boundary? Are noisy operation properly scheduled to minimize exposure and cumulative 2.09 \$5.7 impacts to nearby sensitive receivers? Are valid noise emission label(s) affixed to all hand-held breakers operating on 2.10 S5.7 site? Are valid noise emission label(s) affixed to all air compressors operating on site? 2.11 S5.7 Are all construction noise permit(s) applied for percussive piling work? 2.12 S5.7 2.13 S5.7 Are construction noise permit(s) applied for general construction works during Are valid construction noise permit(s) displayed at all vehicular exits? 2.14 S5.7 3.00 Water Quality Is effluent discharge license obtained for wastewater discharge from site? 3.01 \$6.9 Is effluent discharged according to the effluent discharge license? 3.02 \$6.9 3.03 \$6.9 Is wastewater discharge from site properly treated prior to discharge? Are perimeter channels provided to intercept storm runoff from outside the site? 3.04 \$6.9 Are sand/silt removal facilities such as sand/silt traps and sediment basins provided 3.05 S6.9 to remove sand/silt particles from runoff?



grab, 10-11 grab per hour for 6m3 closed grab?

## aurecon

Member of the Aurecon Group Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Item N/A Photo/Remarks No 3.06 S6.9 Is surface runoff diverted to sedimentation facilities? 3.07 \$6.9 Is the drainage system properly maintained? 3.08 S6.9 Are construction works carefully programmed to minimize soil excavation works during rainy seasons? 3.09 \$6.9 Are exposed soil surface protected by paving as soon as possible to reduce the potential of soil erosion? 3.10 S6.9 Are temporary access roads protected by crushed gravel? 3.11 S6.9 Are exposed slope surface properly protected? 3.12 S6.9 Is trench excavation avoided in the wet season as far as practicable, or if necessary, backfilled in short sections after excavation? 3.13 S6.9 Are open stockpiles of construction materials on site covered by tarpaulin or similar fabric during construction? 3.14 \$6.9 Is runoff from wheel-washing facilities avoided? 3.15 S6.9 Is oil leakage or spillage prevented? 3.16 \$6.9 Are there any measures to prevent the release of oil and grease into the storm drainage system? 3.17 \$6.9 Are the oil interceptors/ grease traps properly maintained? 3.18 S6.9 Are debris and rubbish generated on site collected, handled and disposed of properly to avoid them entering the streams? 3.19 S6.9 Are all fuel tanks and storage areas provided with locks and be sited on sealed areas, within bunds of capacity equal to 110% of the storage capacity of the largest tank? 3.20 \$6.9 Are tanks, containers, storage area bunded and the locations locked as far as possible from the sensitive watercourse and stormwater drains? 3.21 S6.9 Are sufficient chemical toilets provided on site to handle sewage from construction work force? 3.22 S6.9 Are sewage disposal and toilet maintenance of the portable chemical toilets provided by the licensed contractors? 3.23 S6.9 Is concrete washing water properly collected and treated prior to discharge? 3.24 \$6.9 Is suitable type of silt curtains deployed during dredging to reduce the elevation of suspended solids to nearby sensitive receivers? 3.25 S6.9 Is closed grab dredger used to reduce the potential leakage of sediments? 3.26 \$6.9 Is closed grab dredger of 3 to 6 m<sup>3</sup> used for dredging at seawater intake? 3.27 \$6.9 Is specific work staff assigned the responsibility for monitoring the number of grab dredged per hour? Is number of cycle limited to 20-21 grab per hour for 3m3 closed



Item	EIA ref.	ti ilo. 15/115D/17 Design, Duna and Operate 1 list Stage of	N/A	Yes	No	Photo/Remarks
No.						
3.28	\$6.9	Is the grab operated in slow and controlled manner such that the impact to seabed				
0.20	30.7	by the grab when being lowered could be minimized? Is the operator ensured the				
			1/			
0.55	26.0	grab be properly closed before lifting the grab?				
3.29	S6.9	Is the maximum allowed dredging rate at the seawater intake limited to 750 m3/day				
		while the maximum allowed dredging rate at the submarine outfall is 3,500	. /			
		m3/day?			<u> </u>	
3.30	\$6.9	Is dredged marine sediment disposed of in a gazetted marine disposal area in				
		accordance with marine dumping permit conditions of the Dumping at Sea				
		Ordinance (DASO)?	V		يا	
3.31	S6.9	Are disposal vessels fitted with tight bottom seals in order to prevent leakage of				
		material during transport?	$\checkmark$			
3.32	S6.9	Are barges filled to a level which ensures that material does not spill over during				
0.02		transport to the disposal site and that adequate freeboard is maintained to ensure				
		that the decks are not washed by wave action?				
0.00	0.60					
3.33	\$6.9	Are excess materials cleaned from decks and exposed fittings before the vessel is	1/			
		moved from the dredging area after dredging?				
3.34	S6.9	Are the contractor(s) confirmed that the works cause no visible foam, oil, grease,			St	
		litter or other objectionable matter to be present in the water within and adjacent		./		
		to the dredging site?				
3.35	S6.9	When the dredged material has been unloaded at the disposal areas, is any material				
		accumulated on the deck or other exposed parts of the vessel removed and placed in				
		the hold or a hopper?	V			
3.36	\$6.9	Is dredger maintained adequate clearance between vessels and the seabed at all				
		states of the tide and reduce operations speed to ensure that excessive turbidity is				
		not generated by turbulence from vessel movement or propeller wash?				
2.07	06.0					
3.37	56.9	Is the contractor shall regularly inspect the silt curtains and check that they are				
		moored and marked to avoid danger to marine traffic? Is regular inspection on the				
		integrity of the silt curtain carried out by the contractor and any damage to the silt				
		curtain shall be repaired by the contractor promptly?				
3.38	S6.9	Are all vessels have a clean ballast system?				
		into all vessels have a clean bandst system:				
3.39	S6.9	Are all vessels well maintained and inspected before use to limit any potential				
		discharges to the marine environment?				
3.40	S6.9	Is any discharge of sewage/grey wastewater? Is wastewater from potentially				
		contaminated area on working vessels should be minimized and collected?				
3 //1	S6.9			-		
3.41	30.9	Is any soil waste disposed overboard?	V			
4.00		Waste Management				
4.01	S8.5	Is a trip-ticket system implemented to monitor the disposal of C&D and solid				
		wastes at public filling facilities and landfills?				
			$\square$	V		
4.02	S8.5	Is a recording system implemented to record the amount of wastes generated,		1/		
		recycled and disposed of?				
4.03	S8.5					
1		Is the Contractor registered as a chemical waste producer?		V		
1						



Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Item Photo/Remarks No 4.04 S8.5 Is chemical waste separated from other waste and collected by a licensed chemical waste collector? 4.05 S8.5 Are trip tickets for chemical waste disposal available for inspection? 4.06 S8.5 Is chemical waste reused and recycled on site as far as practicable? 4.07 S8.5 Are all containers for chemical waste properly labelled? 4.08 S8.5 Is chemical waste storage area used solely for storage of chemical waste and properly labelled? 4.09 S8.5 Are incompatible chemical wastes stored in different areas? 4.10 S8.5 Is the chemical waste storage area enclosed on at least 3 sides and adequately ventilated? 4.11 S8.5 Is an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or of 20% by volume of the chemical waste stored in that area, whichever is the greatest, provide? 4.12 S8.5 Are a routine cleaning and maintenance programme implemented for drainage systems, sump pits, and oil interceptors? 4.13 S8.5 Are sufficient general refuse disposal/collection points provided on site? 4.14 S8.5 Is general refuse disposed of properly and regularly? 4.15 S8.5 Are appropriate measures adopted to minimize windblown litter and dust during transportation of waste? 4.16 S8.5 Are individual collectors for aluminum cans, plastic bottles and packaging material and office paper provided to encourage waste segregation? 4.17 S8.5 Are C&D wastes sorted on site? 4.18 S8.5 Are C&D waste disposed of properly? 4.19 S8.5 Are unused C&D materials or chemicals recycled or reused to reduce the quantity of waste? 4.20 S8.5 Are public fill and C&D waste reuse on site as far as practicable to avoid disposal 4.21 S8.5 Are the construction materials stored properly to minimize the potential for damage or contamination? 4.22 S8.5 Is a dumping license obtained to deliver public fill to public filling areas? 5.00 S11.10 Landscape and Visual 5.01 & 11.11 Are Is site hoarding provided? 5.02 S11.10 & Are vegetation disturbance minimized or soil protected to reduce potential soil erosion? 11.11 5.03 S11.10 & Is construction light oriented away from the sensitive receivers? 11.11



Member of the Aurecon Group Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Photo/Remarks Item No 5.04 \$11.10 Is grass hydroseeding provided to slopes as soon as the completion of works? & 11 11 5.05 S11.10 & Are damages to trees outside site boundary due construction works avoided? 11.11 5.06 \$11.10 & s excavation works carried out manually instead of machinery operation within 2.5m 11 11 vicinity of any preserved trees? 5.07 S11.10 & Are the retained and transplanted tree(s) properly protected and in good conditions? 11.11 5.08 \$11.10 & Are surgery works carried out for damaged trees? 11 11 6.00 S9.7 6.01 Is site runoff properly treated to prevent any silly runoff? 6.02 S9.7 Are silt trap installed and well-maintained? 6.03 S9.7 Are stockpiles properly covered to avoid generating silty runoff? 6.04 S9.7 Are construction works restricted to works area which are clearly defined? For slope mitigation works within the Clear Water Bay Country Park, are tree felling and 6.05 S9.7 damages to trees, the exact locations of the flexible barrier foundation plates, soil nails and rock dowels adjusted during detailed design, and a setback distance from existing trees is recommended to be maintained as far as practical? 6.06 S9.7 Are pruning of tree canopies along the alignment of the flexible barriers limited to a minimum? 6.07 S9.7 Is the alignment of flexible barriers optimized to preserve all species of conservation interest and minimize the impact to the existing vegetation as far as practicable? Are the alignment of flexible barriers positioned at mininmum 1.5 m in a radius away from these 6.08 S9.7 Is temporary fencing installed to fence off the concerned species either in groups of individually within the works area and in the close proximity to prevent from being damaged and disturbed during construction? Is a sign identifying the site attached to the fence and flagging tape shall be attached to the individuals to visualize their locations? Is a specification for fencing and demarcating individuals of Marsdenai lachnostoma (or 6.09 59.7 other flora species of conservation interest, if found) adjacent to the proposed alignment of the flexible barriers prepared to protect the species? 6.10 S9.7 Is any induction training provided to all site personnel in order to brief them on this flora of conservation interest including the locations and their importance? 6.11 S9.7 Is the resident site supervisory staff closely monitor the conditions of concerned individuals during construction of flexible barriers in the close proximity? 6.12 S9.7 Are fences erected along the boundary of the works area before the commencement of works to prevent vehicle movements and encroachment of personnel onto adjacent areas? 6.13 S9.7 Is regular check of the work site boundaries performed to ensure that they are not breached and that damage does not occur to surrounding areas? 6.14 S9.7 Is any damage and disturbance avoided, particularly those caused by filling and illegal

dumping, to the surrounding habitats through proper management of waste disposal?





_	- CALLE	or no. 10, 11 Design, Danie and Operate 1 has stage of	Incume In	Wall O	Coulin	THE THEFT
Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
6.15	\$9.7	Are temporarily affected areas reinstated, particularly the habitats of plantation and shrubland-grassland immediately after completion of construction works, through on-site tree/shrub planting?				-
6.16	S9.7	Are affected habitats within the Clear Water Bay Country Bay reinstated by hydro- seeding and planting of climbers and native shrub seedlings where practical upon completion of the slope mitigation works?				
7 <b>.00</b> 7.01	S12.7	Landfill Gas Hazard  Are the safety procedures implemented to minimise the risks of fires and explosions, asphyxiation of works and toxicity effects during all works?				
7.02	S12.7	Are the gas detection equipment and precautions being used during trenching and excavation as well as creation of confined spaces?				
	S12.7	Are the training with regard to the awareness of potential hazards of working in confined spaces provided from the Contractor to the workers?				
	S12.7	Are the safety officers trained with regard to landfill gas and leachate related hazards and presented on the site throughout the works undertaken below grade?				
7.05	S12.7	Are the all personnel working on site and all visitor made aware of the possibility of ignition of gas, the possible presence of contaminated water and the need to avoid physical contact?				
7.06	S12.7	Is the monitoring of landfill gas being undertaken in all excavations, manholes, chambers and any confined spaces?		V		
7.07	\$12.7	Are the monitoring frequency and areas being specified by the safety officers or appropriately qualified person? Are the all measurements being recorded and documented?		V		
7.08	S12.7	Is the drilling proceeded with adequate care and precautions against the potential hazards?				
7.09	1	Is the method statement covering all normal and emergency procedures provided by the drilling contractor prior to the commencement of the site works?				
	L	Are the below ground services entries being sealed to prevent gas entry? Are the grilled metal covers being used for below grade cable trenches?				
7.11		Is each manhole or utility pit monitored with two measurements (at mid-depth and base) for minimum of 10 minutes? Is the steady reading and peak reading recorded at each manhole or utility pit?				
7.12		Are the warning signs of the hazards of landfill gas and its possible presence on site posted in prominent places?				
8.00 8.01		Overall  Is the EM&A properly implemented in general?				







Remark / Follow up of Observation(s) and Non-compliance(s	of Last Weekly Site Inspection	on:	
Reminders  1.) Oil tanks shall the tray, it is under been prepared,  2.) Chemish which come property with a dy  3.) Apple tapottatet	stored of notood the lifting will in - use so Storm water	dip trysk	stave of the the storage.
Signatures:			
ET Contractor's Representative Representative	Supervising Officer's	IEC's Representative	WSD's Representative
Representative Representative	Representative	Representative	Representative
		AXAL.	
(Name: Washer Tilley Ton)	(Name: Rose mond	(Name: Lows)	(Name:
VCC. C.	75 ,	VINICIAN	





## WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST

		WEEKET EKKINGE				
nspection	n Date:	16/8/2022. Inspected by: ET: Jacky Jeuny Contractor: Tistray 1820	SO: Rayn IEC: Louis	rend Lok Kwan	WSD:	
nspection	n Time:	14:00-16:30				
Weather	r					
Conditio	on	Sunny Fine Overcast Drizzle Rain	Storm	Haz	у	
Tempera	ature	G Humidity High Moderate	Low			
Wind		Calm Light Breeze Strong				
			2011		N.	Photo/Remarks
Item E	EIA ref.		N/A	Yes	No	Filoto/Remarks
No.						
0.00		General				
0.01		Is the current Environmental Permit displayed conspicuously at all vehicle site				
0.01		entrances/exits for public's information at any time?				
		entrances/exits for public's information at any time.				
0.02		Is ET Leader's log-book kept readily available for inspections?				
		Construction Dust				01
1.00	S4.8.1	Are dusty materials, such as excavated materials, building debris and construction		$\nabla$		KI
1.01		materials, and exposed earth surface properly covered to prevent dust emission?				
1.02	\$4.8.1	Are screenings, enclosures, water spraying or vacuum cleaning devices provided to				
1.02	34.0.1	dusty construction works for dust suppression?				
1.03	S4.8.1	Are fumes or smoke emitting plants or construction activities shielded by a screen?				
1.04	S4.8.1	Are wheel-washing facilities with high-pressure water jets provided at all site exits?				
1.05	S4.8.1	Is wheel-washing provided to all vehicles leaving the site?				
1.06	\$4.8.1	Are road section near the site exit free from dusty material?		V		
1.07	\$4.8.1	Are all main haul roads inside the site paved or sprayed with water to minimize			$\Box$	
1.07	54.8.1			V		
		dust emission during vehicle movement?				
1.08	S4.8.1	Are water spraying provided immediately prior to any loading or transfer of dusty				
1		materials?				
1.09	S4.8.1	Are covers provided to all dump trucks carrying dusty materials when entering and				
		leaving the site?			ш	
1.10	S4.8.1	Are the working areas for uprooting of trees, shrubs, or vegetation or the removal				
1.10	34.0.1	of boulders, poles, pillars sprayed with water to maintain the entire surface wet?	V			
1.11	S4.8.1	Is exposed earth properly treated within six months after the last construction				
		activity on site?	<u> </u>			
1.12	S4.8.1	Does the operation of plants on site free form dark smoke emission?				
1.13	\$4.8.1	Are vehicles travelling at speed not exceeding 15km/hr within the site?				
1.14	S4.8.1	Are stock of more than 20 bags of cement or day PFA covered or sheltered on top and 3 sides?				



Member of the Aurecon Group Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant N/A Photo/Remarks No 1.15 S4.8.1 Are de-bagging, batching and mixing processes of bagged cement carried out in sheltered areas? 1.16 S4.8.1 Are hoarding of at least 2.4m high provided along the site boundary adjoining areas accessible by the public? 1.17 S4.8.1 Is open burning prohibited? Construction Noise (Airborne) 2.00 2.01 \$5.7 Are quiet plants adopted on site? 2.02 S5.7 Are the PMEs operating on site well-maintained to minimize the generation of 2.03 S5.7 Are plants throttled down or turned off when not in use? 2.04 S5.7 Are the plants known to emit noise strongly in one direction oriented to face away from NSRs? 2.05 S5.7 Are moveable barriers provided to screen NSRs from plant or noisy operations? 2.06 S5.7 Are silencers, mufflers and enclosures provided to plants? 2.07 S5.7 Are the hoods, cover panels and inspection hatches of PMEs closed during Are purposely-built site hoarding construction with appropriate materials provided 2.08 S5.7 along the site boundary? 2.09 S5.7 Are noisy operation properly scheduled to minimize exposure and cumulative impacts to nearby sensitive receivers? 2.10 S5.7 Are valid noise emission label(s) affixed to all hand-held breakers operating on 2.11 S5.7 Are valid noise emission label(s) affixed to all air compressors operating on site? 2.12 S5.7 Are all construction noise permit(s) applied for percussive piling work? 2.13 S5.7 Are construction noise permit(s) applied for general construction works during restricted hours? 2.14 S5.7 Are valid construction noise permit(s) displayed at all vehicular exits? 3.00 Water Quality 3.01 \$6.9 Is effluent discharge license obtained for wastewater discharge from site? 3.02 S6.9 Is effluent discharged according to the effluent discharge license? 3.03 \$6.9 Is wastewater discharge from site properly treated prior to discharge? 3.04 \$6.9 Are perimeter channels provided to intercept storm runoff from outside the site? Are sand/silt removal facilities such as sand/silt traps and sediment basins provided 3.05 \$6.9 to remove sand/silt particles from runoff?



C	contra	ct no. 13/WSD/17 Design, Build and Operate First Stage of		van O i		
Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
3.06	S6.9	Is surface runoff diverted to sedimentation facilities?				
3.07	S6.9	Is the drainage system properly maintained?				
3.08	S6.9	Are construction works carefully programmed to minimize soil excavation works during rainy seasons?				
3.09	\$6.9	Are exposed soil surface protected by paving as soon as possible to reduce the potential of soil erosion?				
3.10	S6.9	Are temporary access roads protected by crushed gravel?		V		
3.11	S6.9	Are exposed slope surface properly protected?	V			(8)
3.12	S6.9	Is trench excavation avoided in the wet season as far as practicable, or if necessary, backfilled in short sections after excavation?	V			
3.13	\$6.9	Are open stockpiles of construction materials on site covered by tarpaulin or similar fabric during construction?				
3.14	S6.9	Is runoff from wheel-washing facilities avoided?				
3.15	S6.9	Is oil leakage or spillage prevented?		$\sqrt{}$		
3.16	S6.9	Are there any measures to prevent the release of oil and grease into the storm drainage system?		$\checkmark$		
3.17	S6.9	Are the oil interceptors/ grease traps properly maintained?	$\sqrt{}$			
3.18	S6.9	Are debris and rubbish generated on site collected, handled and disposed of properly to avoid them entering the streams?		$\checkmark$		
3.19	S6.9	Are all fuel tanks and storage areas provided with locks and be sited on sealed areas, within bunds of capacity equal to 110% of the storage capacity of the largest tank?		V		
3.20	S6.9	Are tanks, containers, storage area bunded and the locations locked as far as possible from the sensitive watercourse and stormwater drains?		V		
3.21	S6.9	Are sufficient chemical toilets provided on site to handle sewage from construction work force?		V		
3.22	S6.9	Are sewage disposal and toilet maintenance of the portable chemical toilets provided by the licensed contractors?		V		
3.23	S6.9	Is concrete washing water properly collected and treated prior to discharge?				
3.24	\$6.9	Is suitable type of silt curtains deployed during dredging to reduce the elevation of suspended solids to nearby sensitive receivers?				
3.25	\$6.9	Is closed grab dredger used to reduce the potential leakage of sediments?	V			
3.26	\$6.9	Is closed grab dredger of 3 to 6 m <sup>3</sup> used for dredging at seawater intake?	V			
3.27	S6.9	Is specific work staff assigned the responsibility for monitoring the number of grab dredged per hour? Is number of cycle limited to 20-21 grab per hour for 3m <sup>3</sup> closed grab, 10-11 grab per hour for 6m3 closed grab?	V			



Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Item N/A Photo/Remarks No 3.28 \$6.9 Is the grab operated in slow and controlled manner such that the impact to seabed by the grab when being lowered could be minimized? Is the operator ensured the grab be properly closed before lifting the grab? 3.29 S6.9 Is the maximum allowed dredging rate at the seawater intake limited to 750 m3/day while the maximum allowed dredging rate at the submarine outfall is 3,500 m3/day? 3.30 S6.9 Is dredged marine sediment disposed of in a gazetted marine disposal area in accordance with marine dumping permit conditions of the Dumping at Sea Ordinance (DASO)? 3.31 S6.9 Are disposal vessels fitted with tight bottom seals in order to prevent leakage of material during transport? 3.32 S6.9 Are barges filled to a level which ensures that material does not spill over during transport to the disposal site and that adequate freeboard is maintained to ensure that the decks are not washed by wave action? 3.33 S6.9 Are excess materials cleaned from decks and exposed fittings before the vessel is moved from the dredging area after dredging? 3.34 \$6.9 Are the contractor(s) confirmed that the works cause no visible foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the dredging site? 3.35 S6.9 When the dredged material has been unloaded at the disposal areas, is any material accumulated on the deck or other exposed parts of the vessel removed and placed in the hold or a hopper? 3.36 S6.9 Is dredger maintained adequate clearance between vessels and the seabed at all states of the tide and reduce operations speed to ensure that excessive turbidity is not generated by turbulence from vessel movement or propeller wash? 3.37 \$6.9 Is the contractor shall regularly inspect the silt curtains and check that they are moored and marked to avoid danger to marine traffic? Is regular inspection on the integrity of the silt curtain carried out by the contractor and any damage to the silt curtain shall be repaired by the contractor promptly? 3.38 S6.9 Are all vessels have a clean ballast system? 3.39 S6.9 Are all vessels well maintained and inspected before use to limit any potential discharges to the marine environment? 3.40 S6.9 Is any discharge of sewage/grey wastewater? Is wastewater from potentially contaminated area on working vessels should be minimized and collected? 3.41 S6.9 Is any soil waste disposed overboard? 4.00 Waste Management 4.01 \$8.5 Is a trip-ticket system implemented to monitor the disposal of C&D and solid wastes at public filling facilities and landfills? Is a recording system implemented to record the amount of wastes generated, 4.02 S8.5 recycled and disposed of? 4.03 S8.5 Is the Contractor registered as a chemical waste producer?





Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Photo/Remarks N/A Yes Item No Is chemical waste separated from other waste and collected by a licensed chemical 4.04 S8.5 waste collector? 4.05 S8.5 Are trip tickets for chemical waste disposal available for inspection? 4.06 S8.5 Is chemical waste reused and recycled on site as far as practicable? 4.07 S8.5 Are all containers for chemical waste properly labelled? Is chemical waste storage area used solely for storage of chemical waste and 4.08 S8.5 properly labelled? 4.09 S8.5 Are incompatible chemical wastes stored in different areas? Is the chemical waste storage area enclosed on at least 3 sides and adequately 4.10 S8.5 ventilated? Is an impermeable floor and bunding, of capacity to accommodate 110% of the 4.11 S8.5 volume of the largest container or of 20% by volume of the chemical waste stored in that area, whichever is the greatest, provide? Are a routine cleaning and maintenance programme implemented for drainage 4.12 S8.5 systems, sump pits, and oil interceptors? 4.13 S8.5 Are sufficient general refuse disposal/collection points provided on site? Is general refuse disposed of properly and regularly? 4.14 S8.5 Are appropriate measures adopted to minimize windblown litter and dust during 4.15 S8.5 transportation of waste? Are individual collectors for aluminum cans, plastic bottles and packaging material 4.16 S8.5 and office paper provided to encourage waste segregation? 4.17 S8.5 Are C&D wastes sorted on site? 4.18 S8.5 Are C&D waste disposed of properly? Are unused C&D materials or chemicals recycled or reused to reduce the quantity 4.19 S8.5 Are public fill and C&D waste reuse on site as far as practicable to avoid disposal 4.20 S8.5 Are the construction materials stored properly to minimize the potential for damage 4.21 S8.5 or contamination? Is a dumping license obtained to deliver public fill to public filling areas? 4.22 S8.5 5.00 S11.10 Landscape and Visual 5.01 & 11.11 Are Is site hoarding provided? 5.02 S11.10 & Are vegetation disturbance minimized or soil protected to reduce potential soil erosion? 11.11 5.03 S11.10 & Is construction light oriented away from the sensitive receivers? 11.11



Member of the Aurecon Group Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Item Yes Photo/Remarks No. 5.04 S11.10 Is grass hydroseeding provided to slopes as soon as the completion of works? & 11.11 5.05 S11.10 & Are damages to trees outside site boundary due construction works avoided? 11.11 5.06 S11.10 & s excavation works carried out manually instead of machinery operation within 2.5m 11.11 vicinity of any preserved trees? 5.07 S11.10 & Are the retained and transplanted tree(s) properly protected and in good conditions? 11.11 5.08 \$11.10 &Are surgery works carried out for damaged trees? 11.11 6.00 \$9.7 Ecology 6.01 Is site runoff properly treated to prevent any silly runoff? 6.02 S9.7 Are silt trap installed and well-maintained? 6.03 \$9.7 Are stockpiles properly covered to avoid generating silty runoff? 6.04 \$9.7 Are construction works restricted to works area which are clearly defined? 6.05 \$9.7 For slope mitigation works within the Clear Water Bay Country Park, are tree felling and damages to trees, the exact locations of the flexible barrier foundation plates, soil nails and rock dowels adjusted during detailed design, and a setback distance from existing trees is recommended to be maintained as far as practical? 6.06 S9.7 Are pruning of tree canopies along the alignment of the flexible barriers limited to a minimum? 6.07 S9.7 Is the alignment of flexible barriers optimized to preserve all species of conservation interest and minimize the impact to the existing vegetation as far as practicable? Are the alignment of flexible barriers positioned at mininmum 1.5 m in a radius away from these individuals? 6.08 S9.7 Is temporary fencing installed to fence off the concerned species either in groups of individually within the works area and in the close proximity to prevent from being damaged and disturbed during construction? Is a sign identifying the site attached to the fence and flagging tape shall be attached to the individuals to visualize their locations? 6.09 S9.7 Is a specification for fencing and demarcating individuals of Marsdenai lachnostoma (or other flora species of conservation interest, if found) adjacent to the proposed alignment of the flexible barriers prepared to protect the species? 6.10 S9.7 Is any induction training provided to all site personnel in order to brief them on this flora of conservation interest including the locations and their importance? 6.11 S9.7 Is the resident site supervisory staff closely monitor the conditions of concerned individuals during construction of flexible barriers in the close proximity? 6.12 S9.7 Are fences erected along the boundary of the works area before the commencement of works to prevent vehicle movements and encroachment of personnel onto adjacent areas? 6.13 S9.7 Is regular check of the work site boundaries performed to ensure that they are not breached and that damage does not occur to surrounding areas? 6.14 \$9.7 Is any damage and disturbance avoided, particularly those caused by filling and illegal

dumping, to the surrounding habitats through proper management of waste disposal?





	Contra	ct no. 13/WSD/17 Design, Build and Operate First Stage of	Iseung K			
Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
6.15	\$9.7	Are temporarily affected areas reinstated, particularly the habitats of plantation and shrubland-grassland immediately after completion of construction works, through on-site tree/shrub planting?				1
6.16	S9.7	Are affected habitats within the Clear Water Bay Country Bay reinstated by hydro- seeding and planting of climbers and native shrub seedlings where practical upon completion of the slope mitigation works?				
7 <b>.00</b> 7.01	S12.7	Landfill Gas Hazard  Are the safety procedures implemented to minimise the risks of fires and explosions, asphyxiation of works and toxicity effects during all works?				
7.02	S12.7	Are the gas detection equipment and precautions being used during trenching and excavation as well as creation of confined spaces?				
7.03	S12.7	Are the training with regard to the awareness of potential hazards of working in confined spaces provided from the Contractor to the workers?		$\bigvee$		
7.04	S12.7	Are the safety officers trained with regard to landfill gas and leachate related hazards and presented on the site throughout the works undertaken below grade?				
7.05	S12.7	Are the all personnel working on site and all visitor made aware of the possibility of ignition of gas, the possible presence of contaminated water and the need to avoid physical contact?				
7.06	S12.7	Is the monitoring of landfill gas being undertaken in all excavations, manholes, chambers and any confined spaces?				
7.07	S12.7	Are the monitoring frequency and areas being specified by the safety officers or appropriately qualified person? Are the all measurements being recorded and documented?		$\triangle$		
7.08	S12.7	Is the drilling proceeded with adequate care and precautions against the potential hazards?		V		
7.09	S12.7	Is the method statement covering all normal and emergency procedures provided by the drilling contractor prior to the commencement of the site works?				
7.10	S12.7	Are the below ground services entries being sealed to prevent gas entry? Are the grilled metal covers being used for below grade cable trenches?	V			
7.11	S12.7	Is each manhole or utility pit monitored with two measurements (at mid-depth and base) for minimum of 10 minutes? Is the steady reading and peak reading recorded at each manhole or utility pit?				
7.12	\$12.7	Are the warning signs of the hazards of landfill gas and its possible presence on site posted in prominent places?				
<b>8.00</b> 8.01	1	Overall Is the EM&A properly implemented in general?				



Remark / Follow up of Observation(s) and Non-compliance(s) of Last Weekly Sita Inspection:
Remark / Follow up of Observation(s) and Non-compliance(s) of Last Weekly Site Inspection:  Observation.  () Chemical containers found near the Chemical Building Shell be placed Island on a dip tray to avoid oil leskage on spillage.  Recommendations  () Soil Apokpiles skell roanted along the R.O Building
1.) Soil otockpiles skell rosened wlong the R.O Brilding Shall rowered with tenpentin to world wind blow.
2) The contractors are reminded to increase the frequency toggistage of the weste pickup to avoid over loggist of the weste containers.
Signatures:
organical vol.
ET Contractor's Supervising Officer's IEC's WSD's Representative Representative Representative
(Name: Name: Tily Tay) (Name: Raymon) (Name: Jours) (Name: )





#### WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST

Inspection Date: _	23 - 8 - 2022 Inspected by: ET: Jacky Jegana Contractor: Total Total	SO: Raym	and Loll	WSD:_	
Inspection Time:	1420 - 1530	IEC. <u>24</u> 003			
Weather					
Condition	Sunny Fine Overcast Orizzle Rain	Storm	Hazy		
Temperature	34 °C Humidity High Moderate	Low			
Wind	Calm Light Breeze Strong				11-10
			- Hel		
Item EIA ref.		N/A	Yes	No	Photo/Remarks
No.					
0.00	General				
0.01	Is the current Environmental Permit displayed conspicuously at all vehicle site		\/		
	entrances/exits for public's information at any time?				
0.02	Is ET Leader's log-book kept readily available for inspections?		$\bigvee$		
	Construction Dust				
1.00 S4.8.1	Are dusty materials, such as excavated materials, building debris and construction		$\sqrt{}$		
1.01	materials, and exposed earth surface properly covered to prevent dust emission?				
1.02 S4.8.1	Are screenings, enclosures, water spraying, or vacuum cleaning devices provided to			$\overline{}$	
	dusty construction works for dust suppression?				
1.03 S4.8.1	Are fumes or smoke emitting plants or construction activities shielded by a screen?				
	Are funics of smoke emitting plants of construction activities smeaded by a sereen:				
1.04 S4.8.1	Are wheel-washing facilities with high-pressure water jets provided at all site exits?				
105 0101					
1.05 S4.8.1	Is wheel-washing provided to all vehicles leaving the site?				
1.06 S4.8.1					
1.00 54.0.1	Are road section near the site exit free from dusty material?				
1.07 S4.8.1	Are all main haul roads inside the site paved or sprayed with water to minimize				
	dust emission during vehicle movement?		$\bigvee$		
1.08 S4.8.1	Are water spraying provided immediately prior to any loading or transfer of dusty				
	materials?				
1.09 S4.8.1	Are covers provided to all dump trucks carrying dusty materials when entering and				
	leaving the site?				
1.10 S4.8.1	Are the working areas for uprooting of trees, shrubs, or vegetation or the removal				
	of boulders, poles, pillars sprayed with water to maintain the entire surface wet?				
1.11 S4.8.1	Is exposed earth properly treated within six months after the last construction		П		
	activity on site?				
1.12 S4.8.1	Does the operation of plants on site free form dark smoke emission?				2
1.13 S4.8.1					
3,555.53	Are vehicles travelling at speed not exceeding 15km/hr within the site?		$\checkmark$		
1.14 S4.8.1	Are stock of more than 20 bags of cement or day PFA covered or sheltered on top		$\Box$		
	and 3 sides?		Ш		



Item	EIA ref.	, ,	N/A	Yes	No	Photo/Remarks
No.	S4.8.1	And de bessing betching and mining apparent of bessel amount association in				
1.13	54.6.1	Are de-bagging, batching and mixing processes of bagged cement carried out in sheltered areas?	1			
1.16	S4.8.1	Are hoarding of at least 2.4m high provided along the site boundary adjoining areas				
		accessible by the public?	$\checkmark$			
1.17	S4.8.1	Is open burning prohibited?		V		
2.00		Construction Noise (Airborne)		$\overline{}$		
2.01	S5.7	Are quiet plants adopted on site?				
2.02	S5.7	Are the PMEs operating on site well-maintained to minimize the generation of excessive noise?				
2.03	S5.7	Are plants throttled down or turned off when not in use?				
2.04	S5.7	Are the plants known to emit noise strongly in one direction oriented to face away from NSRs?	V			
2.05	S5.7	Are moveable barriers provided to screen NSRs from plant or noisy operations?				
2.06	S5.7	Are silencers, mufflers and enclosures provided to plants?				
2.07	S5.7	Are the hoods, cover panels and inspection hatches of PMEs closed during operation?				
2.08	S5.7	Are purposely-built site hoarding construction with appropriate materials provided				
		along the site boundary?		Ш	ш	
2.09	S5.7	Are noisy operation properly scheduled to minimize exposure and cumulative		$\Box$		
2.10	0.5.5	impacts to nearby sensitive receivers?				
2.10	S5.7	Are valid noise emission label(s) affixed to all hand-held breakers operating on site?	i/			
2.11	S5.7	Are valid noise emission label(s) affixed to all air compressors operating on site?	V			
2.12	S5.7	Are all construction noise permit(s) applied for percussive piling work?	V			
2.13	S5.7	Are construction noise permit(s) applied for general construction works during		1/		
		restricted hours?				
2.14	S5.7	Are valid construction noise permit(s) displayed at all vehicular exits?				
3.00		Water Quality				
3.01	\$6.9	Is effluent discharge license obtained for wastewater discharge from site?			Ш	
3.02	S6.9	Is effluent discharged according to the effluent discharge license?				
3.03	S6.9	Is wastewater discharge from site properly treated prior to discharge?				
3.04	S6.9	Are perimeter channels provided to intercept storm runoff from outside the site?				
3.05	S6.9	Are sand/silt removal facilities such as sand/silt traps and sediment basins provided		/		
		to remove sand/silt particles from runoff?				



Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
3.06	S6.9	Is surface runoff diverted to sedimentation facilities?		$\sqrt{}$		
3.07	S6.9	Is the drainage system properly maintained?		$\sqrt{}$		
3.08	S6.9	Are construction works carefully programmed to minimize soil excavation works				
		during rainy seasons?		$\checkmark$		-
3.09	\$6.9	Are exposed soil surface protected by paving as soon as possible to reduce the			$\overline{\Box}$	
		potential of soil erosion?		$\vee$	Ш	
3.10	S6.9	Are temporary access roads protected by crushed gravel?				
3.11	S6.9	Are exposed slope surface properly protected?				
3.12	S6.9	Is trench excavation avoided in the wet season as far as practicable, or if necessary,				
		backfilled in short sections after excavation?	$\vee$			
3.13	S6.9	Are open stockpiles of construction materials on site covered by tarpaulin or similar				
		fabric during construction?	$\checkmark$			
3.14	S6.9					
		Is runoff from wheel-washing facilities avoided?				
3.15	S6.9	Is oil leakage or spillage prevented?				RI
3.16	S6.9	Are there any measures to prevent the release of oil and grease into the storm				
		drainage system?	Ш			
3.17	S6.9	Are the oil interceptors/ grease traps properly maintained?				
3.18	S6.9	Are debris and rubbish generated on site collected, handled and disposed of				
		properly to avoid them entering the streams?		$\checkmark$		
3.19	S6.9	Are all fuel tanks and storage areas provided with locks and be sited on sealed				
		areas, within bunds of capacity equal to 110% of the storage capacity of the largest				
		tank?			_	
3.20	S6 9	Are tanks, containers, storage area bunded and the locations locked as far as				
		possible from the sensitive watercourse and stormwater drains?		$\checkmark$		
3.21	\$6.0	Are sufficient chemical toilets provided on site to handle sewage from construction				
3.21	30.7	work force?				
3.22	S6.9	Are sewage disposal and toilet maintenance of the portable chemical toilets				
		provided by the licensed contractors?		$\checkmark$		
3.23	S6.9	Is concrete washing water properly collected and treated prior to discharge?				
3.24	S6.9	Is suitable type of silt curtains deployed during dredging to reduce the elevation of				
		suspended solids to nearby sensitive receivers?				
3.25	S6 0				_	
2.23	50.9	Is closed grab dredger used to reduce the potential leakage of sediments?				
3.26	S6.9	Is closed grab dredger of 3 to 6 m <sup>3</sup> used for dredging at seawater intake?				
3.27	S6.9	Is specific work staff assigned the responsibility for monitoring the number of grab				
		dredged per hour? Is number of cycle limited to 20-21 grab per hour for 3m <sup>3</sup> closed				
		grab, 10-11 grab per hour for 6m3 closed grab?	$\checkmark$			
	I	*				-





Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
3.28	S6.9	Is the grab operated in slow and controlled manner such that the impact to seabed				
		by the grab when being lowered could be minimized? Is the operator ensured the				
		grab be properly closed before lifting the grab?	$\vee$		ш	
3.29	S6.9	Is the maximum allowed dredging rate at the seawater intake limited to 750 m3/day				
		while the maximum allowed dredging rate at the submarine outfall is 3,500				
		m3/day?	$\checkmark$			
3.30	S6.9	Is dredged marine sediment disposed of in a gazetted marine disposal area in				
		accordance with marine dumping permit conditions of the Dumping at Sea				
		Ordinance (DASO)?	V			-
3.31	S6.9	Are disposal vessels fitted with tight bottom seals in order to prevent leakage of				
		material during transport?				-
3.32	S6.9	Are barges filled to a level which ensures that material does not spill over during				
		transport to the disposal site and that adequate freeboard is maintained to ensure				
		that the decks are not washed by wave action?				
3.33	S6.9	Are excess materials cleaned from decks and exposed fittings before the vessel is				
		moved from the dredging area after dredging?				
3.34	S6.9	Are the contractor(s) confirmed that the works cause no visible foam, oil, grease,		-	45	
		litter or other objectionable matter to be present in the water within and adjacent		. /		
		to the dredging site?		$\lor$		-
3.35	S6.9	When the dredged material has been unloaded at the disposal areas, is any material				
		accumulated on the deck or other exposed parts of the vessel removed and placed in				
R D		the hold or a hopper?	$\checkmark$			
3.36	S6.9	Is dredger maintained adequate clearance between vessels and the seabed at all				
		states of the tide and reduce operations speed to ensure that excessive turbidity is				
		not generated by turbulence from vessel movement or propeller wash?		Ш	Ш	
3.37	S6.9	Is the contractor shall regularly inspect the silt curtains and check that they are				
		moored and marked to avoid danger to marine traffic? Is regular inspection on the				
		integrity of the silt curtain carried out by the contractor and any damage to the silt				
		curtain shall be repaired by the contractor promptly?				
3.38	S6.9	Are all vessels have a clean ballast system?				
		The air vessels have a clean bandst system.	V			
3.39	S6.9	Are all vessels well maintained and inspected before use to limit any potential				
		discharges to the marine environment?	$\Box$	Ш	Щ_	
3.40	S6.9	Is any discharge of sewage/grey wastewater? Is wastewater from potentially	1/			
		contaminated area on working vessels should be minimized and collected?	V	Ш	Ш	
3.41	S6.9	Is any soil waste disposed overboard?	$\sqrt{}$			
4.00		Waste Management				
4.01	S8.5	Is a trip-ticket system implemented to monitor the disposal of C&D and solid				
		wastes at public filling facilities and landfills?		1	1	
4.02	S8.5	Is a recording system implemented to record the amount of wastes generated,			=	-
		recycled and disposed of?		$\bigvee$		
4.03	S8.5			<del>-/-</del>		
	No.	Is the Contractor registered as a chemical waste producer?		$\vee$		





Item	EIA ref.	be not 10, 11, 52,11, 50,551, 5 and and 5 person 1 into stage of 1	N/A	Yes	No	Photo/Remarks
No.						
4.04	S8.5	Is chemical waste separated from other waste and collected by a licensed chemical	[7]			
		waste collector?				
4.05	S8.5	Are trip tickets for chemical waste disposal available for inspection?				
4.06	\$8.5	Is drip tray provided for chemical storage?				
4.07	S8.5	Are all containers for chemical waste properly labelled?				
4.08	\$8.5	Is chemical waste storage area used solely for storage of chemical waste and				
		properly labelled?		$\vee$		
4.09	S8.5	Are incompatible chemical wastes stored in different areas?				
4.10	\$8.5	Is the chemical waste storage area enclosed on at least 3 sides and adequately			$\Box$	1 1
		ventilated?		$\vee$		_
4.11	S8.5	Is an impermeable floor and bunding, of capacity to accommodate 110% of the				
		volume of the largest container or of 20% by volume of the chemical waste stored		$\vee$	Ш	
		in that area, whichever is the greatest, provide?				
4.12	S8.5	Are a routine cleaning and maintenance programme implemented for drainage		$\Box$		
		systems, sump pits, and oil interceptors?				
4.13	S8.5	Are sufficient general refuse disposal/collection points provided on site?				
4.14	S8.5	Is general refuse disposed of properly and regularly?				obsl
4.15	S8.5	Are appropriate measures adopted to minimize windblown litter and dust during			$\Box$	
		transportation of waste?		$\overline{V}$	Ш	
4.16	S8.5	Are individual collectors for aluminum cans, plastic bottles and packaging material		.7		
		and office paper provided to encourage waste segregation?				
4.17	S8.5	Are C&D wastes sorted on site?				
4.18	S8.5	Are C&D waste disposed of properly?		V		
4.19	\$8.5	Are unused C&D materials or chemicals recycled or reused to reduce the quantity	<u> </u>		$\overline{}$	100
		of waste?				
4.20	S8.5	Are public fill and C&D waste reuse on site as far as practicable to avoid disposal			$\overline{\Box}$	10
		off-site?				
4.21	S8.5	Are the construction materials stored properly to minimize the potential for damage				
		or contamination?			Ш	
4.22	S8.5	Is a dumping license obtained to deliver public fill to public filling areas?				
5.00	S11.10	Landscape and Visual				
		Are Is site hoarding provided?				
5.02	S11.10 & 11.11	Are vegetation disturbance minimized or soil protected to reduce potential soil erosion?				
5.03	S11.10 &	Is construction light oriented away from the sensitive receivers?				





	OHIEL SE	tho. 15/11 Design, Duna and Operate I list Stage of	rocuit II	WASHING I	Couling	thou I must
Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
5.04	S11.10	Is grass hydroseeding provided to slopes as soon as the completion of works?				
	& 11.11	as gives all according provided to stopes as seen as and completion of women				-
5.05	S11.10 &	Are damages to trees outside site boundary due construction works avoided?				
	11.11					-
5.06	S11.10 &	Is excavation works carried out manually instead of machinery operation within 2.5m				1
	11.11	vicinity of any preserved trees?		ш		
5.07	S11.10 &	Are the retained and transplanted tree(s) properly protected and in good conditions?				
	11.11	provide and analysis and analysis and an experience and an experie		1		0
5.08	S11.10 &	Are surgery works carried out for damaged trees?				
	11.11					-
	S9.7	Ecology		, /		
6.01		Is site runoff properly treated to prevent any silly runoff?				
6.02	S9.7	Are silt trap installed and well-maintained?				
6.03	S9.7			<del></del>	<del></del>	-
	.,,	Are stockpiles properly covered to avoid generating silty runoff?				
6.04	S9.7					
		Are construction works restricted to works area which are clearly defined?		$\checkmark$		-
6.05	S9.7	For slope mitigation works within the Clear Water Bay Country Park, are tree felling and				
		damages to trees, the exact locations of the flexible barrier foundation plates, soil nails				
		and rock dowels adjusted during detailed design, and a setback distance from existing	. /			
		trees is recommended to be maintained as far as practical?				
6.06	S9.7	Are pruning of tree canopies along the alignment of the flexible barriers limited to a		П		
		minimum?				
6.07	S9.7	Is the alignment of flexible barriers optimized to preserve all species of conservation				
		interest and minimize the impact to the existing vegetation as far as practicable? Are the	/			
		alignment of flexible barriers positioned at minimum 1.5 m in a radius away from these				
		individuals?				-
6.08	S9.7	Is temporary fencing installed to fence off the concerned species either in groups of				
		individually within the works area and in the close proximity to prevent from being				
		damaged and disturbed during construction? Is a sign identifying the site attached to the		1/		
		fence and flagging tape shall be attached to the individuals to visualize their locations?				•
6.09	S9.7	Is a specification for fencing and demarcating individuals of Marsdenai lachnostoma (or				
		other flora species of conservation interest, if found) adjacent to the proposed alignment				
		of the flexible barriers prepared to protect the species?				
6.10	100000000000000000000000000000000000000	Is any induction training provided to all site personnel in order to brief them on this flora				
		of conservation interest including the locations and their importance?		U		
6.11	S9.7	Is the resident site supervisory staff closely monitor the conditions of concerned				
		individuals during construction of flexible barriers in the close proximity?		$\vee$		re-
6.12	S9.7	Are fences erected along the boundary of the works area before the commencement of				
		works to prevent vehicle movements and encroachment of personnel onto adjacent		1		
		areas?				U
6.13	\$9.7	Is regular check of the work site boundaries performed to ensure that they are not				
		breached and that damage does not occur to surrounding areas?				
6.14	S9.7	Is any damage and disturbance avoided, particularly those caused by filling and illegal				
		dumping, to the surrounding habitats through proper management of waste disposal?		$\vee$		



Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

Item	EIA ref.	let not not the state of the st	N/A	Yes	No	Photo/Remarks
6.15	S9.7	Are temporarily affected areas reinstated, particularly the habitats of plantation and shrubland-grassland immediately after completion of construction works, through on-site tree/shrub planting?				
6.16	S9.7	Are affected habitats within the Clear Water Bay Country Bay reinstated by hydro- seeding and planting of climbers and native shrub seedlings where practical upon completion of the slope mitigation works?				
<b>7.00</b> 7.01	S12.7	Landfill Gas Hazard  Are the safety procedures implemented to minimise the risks of fires and explosions, asphyxiation of works and toxicity effects during all works?				
7.02	S12.7	Are the gas detection equipment and precautions being used during trenching and excavation as well as creation of confined spaces?				-
7.03	S12.7	Are the training with regard to the awareness of potential hazards of working in confined spaces provided from the Contractor to the workers?				
7.04	S12.7	Are the safety officers trained with regard to landfill gas and leachate related hazards and presented on the site throughout the works undertaken below grade?				
7.05	S12.7	Are the all personnel working on site and all visitor made aware of the possibility of ignition of gas, the possible presence of contaminated water and the need to avoid physical contact?				
7.06	S12.7	Is the monitoring of landfill gas being undertaken in all excavations, manholes, chambers and any confined spaces?				
7.07	S12.7	Are the monitoring frequency and areas being specified by the safety officers or appropriately qualified person? Are the all measurements being recorded and documented?				
7.08	S12.7	Is the drilling proceeded with adequate care and precautions against the potential hazards?		Ø		
7.09	S12.7	Is the method statement covering all normal and emergency procedures provided by the drilling contractor prior to the commencement of the site works?		$\sqrt{}$		_
7.10	S12.7	Are the below ground services entries being sealed to prevent gas entry? Are the grilled metal covers being used for below grade cable trenches?	J			
7.11	S12.7	Is each manhole or utility pit monitored with two measurements (at mid-depth and base) for minimum of 10 minutes? Is the steady reading and peak reading recorded at each manhole or utility pit?				
7.12	S12.7	Are the warning signs of the hazards of landfill gas and its possible presence on site posted in prominent places?				
<b>8.00</b> 8.01		Overall  Is the EM& A properly implemented in general?				



### Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

Remark / Follow up of Observation (a) 1 N	L' (A CI ANI II C' I
Remark / Follow up of Observation(s) and Non-con	npliance(s) of Last Weekly Site Inspection:
Observation=	
1. General refuse (lunch &	should be disposed of properly at a stee disposal point. (Product Water Storage Tank)
designated was	te disposal point. (Product Water Storage Tank)
proper wat waste stan	ige point.
Reminder:	
1. Contractor was reminded to prevent oil leakage.	to provide impervious sheet under the dall (ActiDAFF)
Signatures:	
ET Contractor's	Supervising Officer's IEC's WODL
Representative Representative	Supervising Officer's IEC's WSD's Representative Representative Representative
7-0	C VIII
Name: Tilling T	(Name: Rozman) (Name: Lvys) (Name: )
	O Le VIALORA





#### Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

#### WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST

Inspection	n Date: _	311812022	Inspected by:	ET: Jo	cky leura	SO: Raymand Kok WSD: C. C. Signification					
Inspection	n Time:_	09236-10230		Contractor: Tid	Say Isong	IEC: 100	us Kwan	J			
Weather		/									
Condition	n	Sunny Fine	Overcast	Drizzle	Rain	Storm	H	lazy			
Tempera	ture	33 C	Humidity	High	Moderate	Low					
Wind		Calm	Breeze	Strong							
Item EI No.	A ref.	,				N/A	Yes	No	Photo/Remarks		
0.00		General									
0.01		Is the current Environmental Perm			all vehicle site						
		entrances/exits for public's informat	ion at any time?	?							
0.02		Is ET Leader's log-book kept readily	available for in	nspections?							
		Construction Dust					7				
1.00 S4	1.8.1	Are dusty materials, such as excava									
1.01		materials, and exposed earth surface									
1.02 S4		Are screenings, enclosures, water sp dusty construction works for dust sup		im cleaning dev	ices provided to						
1.03 S4	1.8.1	Are fumes or smoke emitting plants of	or construction	activities shield	ed by a screen?	1./1		П			
1.04 S4	101								-		
		Are wheel-washing facilities with hig	gh-pressure wat	er jets provided	at all site exits?		W				
1.05 S4	.8.1	Is wheel-washing provided to all veh	icles leaving the	e site?							
1.06 S4	.8.1	Are road section near the site exit fre	e from dusty m	aterial?			V				
1.07 S4	.8.1	Are all main haul roads inside the s	site paved or sp	prayed with wa	ter to minimize			$\overline{\Box}$			
		dust emission during vehicle moveme	ent?				V				
1.08 S4		Are water spraying provided immed materials?	iately prior to a	any loading or t	ransfer of dusty	1.7	П	П			
1.09 \$4						<u> </u>	<u> </u>	Ш_			
		Are covers provided to all dump truc leaving the site?	ks carrying dus	sty materials wi	en entering and						
1.10 S4.	.8.1	Are the working areas for uprooting	of trees, shrub	s, or vegetation	or the removal						
		of boulders, poles, pillars sprayed wit	h water to mair	ntain the entire s	urface wet?						
1.11 S4.	.8.1	Is exposed earth properly treated v	vithin six mon	ths after the la	ast construction		П	П			
		activity on site?					Ш	Ш			
1.12 S4.	.8.1	Does the operation of plants on site fi	ee form dark sr	moke emission?							
.13 S4.	.8.1	Are vehicles travelling at speed not ex	ceeding 15km/	/hr within the si	te?			П			
14 64	0.1	Are stools of more than 20 har C		ΓΑ 1	1141						
.14 \$4.		Are stock of more than 20 bags of co and 3 sides?	ment or day P	rA covered or s	snettered on top						



Contract no. 13/WSD/17 Design Ruild and Operate First Stage of Tseung Kwan O Desalination Plant

No.   No.   No.   Photo/Remarks   Photo/	-	JUHHA	ct no. 13/WSD/1/ Design, Bund and Operate Prist Stage of 1	scung ix	Wan O	Jesamin	ation a lant
sheltered areas?  1.16 \$4.8.1 Are hoarding of at least 2.4m high provided along the site boundary adjoining areas accessible by the public?  1.17 \$4.8.1 Is spens burning prohibited?  2.00 Construction Noise (Airborne) 2.10 \$5.7 Are quiet plants adopted on site?  2.01 \$5.7 Are the PMEs operating on site well-maintained to minimize the generation of excessive noise?  2.03 \$5.7 Are the PMEs operating on site well-maintained to minimize the generation of excessive noise?  2.04 \$5.7 Are plants throutled down or turned off when not in use?  2.05 \$5.7 Are plants throutled down or turned off when not in use?  2.06 \$5.7 Are plants throutled down or turned off when not in use?  2.07 \$5.7 Are moveable barriers provided to screen NSRs from plant or noisy operations?  2.08 \$5.7 Are moveable barriers provided to screen NSRs from plant or noisy operations?  2.08 \$5.7 Are the hoods, cover panels and inspection hatches of PMEs closed during operation?  2.08 \$5.7 Are purposely-built site hoarding construction with appropriate materials provided along the site boundary?  2.08 \$5.7 Are purposely-built site hoarding construction with appropriate materials provided along the site boundary?  2.09 \$5.7 Are valid noise emission label(s) affixed to all air compressors operating on site?  2.11 \$5.7 Are valid noise emission label(s) affixed to all air compressors operating on site?  2.12 \$5.7 Are all construction noise permit(s) applied for percussive piling work?  2.13 \$5.7 Are construction noise permit(s) applied for general construction works during vestricted hours?  2.14 \$5.7 Are all construction noise permit(s) applied for general construction works during vestricted hours?  2.15 \$5.7 Are construction noise permit(s) applied for general construction works during vestricted from site permit(s) applied for general construction works during vestricted hours?  2.15 \$5.7 Are all construction noise permit(s) applied for general construction works during vestricted hours?  2.16 \$5.7 Are valid noise emission label(s) affixed to all air comp		EIA ref.		N/A	Yes	No	Photo/Remarks
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2.13 S5.7 Are construction noise permit(s) applied for general construction works during restricted hours?  2.14 S5.7 Are valid construction noise permit(s) displayed at all vehicular exits?  3.00 Water Quality  3.01 S6.9 Is effluent discharge license obtained for wastewater discharge from site?  3.02 S6.9 Is effluent discharged according to the effluent discharge license?  3.03 S6.9 Is wastewater discharge from site properly treated prior to discharge?  3.04 S6.9 Are perimeter channels provided to intercept storm runoff from outside the site?  3.05 S6.9 Are sand/silt removal facilities such as sand/silt traps and sediment basins provided	2.11	S5.7	Are valid noise emission label(s) affixed to all air compressors operating on site?	V			
restricted hours?  2.14 S5.7 Are valid construction noise permit(s) displayed at all vehicular exits?  3.00 Water Quality 3.01 S6.9 Is effluent discharge license obtained for wastewater discharge from site?  3.02 S6.9 Is effluent discharged according to the effluent discharge license?  3.03 S6.9 Is wastewater discharge from site properly treated prior to discharge?  3.04 S6.9 Are perimeter channels provided to intercept storm runoff from outside the site?  3.05 S6.9 Are sand/silt removal facilities such as sand/silt traps and sediment basins provided	2.12	S5.7	Are all construction noise permit(s) applied for percussive piling work?				
3.00 Water Quality 3.01 S6.9 Is effluent discharge license obtained for wastewater discharge from site?  3.02 S6.9 Is effluent discharged according to the effluent discharge license?  3.03 S6.9 Is wastewater discharge from site properly treated prior to discharge?  3.04 S6.9 Are perimeter channels provided to intercept storm runoff from outside the site?  3.05 S6.9 Are sand/silt removal facilities such as sand/silt traps and sediment basins provided	2.13	\$5.7			V		
3.01 S6.9 Is effluent discharge license obtained for wastewater discharge from site?  3.02 S6.9 Is effluent discharged according to the effluent discharge license?  3.03 S6.9 Is wastewater discharge from site properly treated prior to discharge?  3.04 S6.9 Are perimeter channels provided to intercept storm runoff from outside the site?  3.05 S6.9 Are sand/silt removal facilities such as sand/silt traps and sediment basins provided	2.14	\$5.7	Are valid construction noise permit(s) displayed at all vehicular exits?				
3.01 S6.9 Is effluent discharge license obtained for wastewater discharge from site?  3.02 S6.9 Is effluent discharged according to the effluent discharge license?  3.03 S6.9 Is wastewater discharge from site properly treated prior to discharge?  3.04 S6.9 Are perimeter channels provided to intercept storm runoff from outside the site?  3.05 S6.9 Are sand/silt removal facilities such as sand/silt traps and sediment basins provided	3.00		Water Quality				
3.03 S6.9 Is wastewater discharge from site properly treated prior to discharge?  3.04 S6.9 Are perimeter channels provided to intercept storm runoff from outside the site?  3.05 S6.9 Are sand/silt removal facilities such as sand/silt traps and sediment basins provided		S6.9	Is effluent discharge license obtained for wastewater discharge from site?			Ш	
3.04 S6.9 Are perimeter channels provided to intercept storm runoff from outside the site?  3.05 S6.9 Are sand/silt removal facilities such as sand/silt traps and sediment basins provided	3.02	\$6.9	Is effluent discharged according to the effluent discharge license?				_
3.05 S6.9 Are sand/silt removal facilities such as sand/silt traps and sediment basins provided	3.03	\$6.9	Is wastewater discharge from site properly treated prior to discharge?		$\checkmark$		
	3.04	\$6.9	Are perimeter channels provided to intercept storm runoff from outside the site?				
	3.05	S6.9	-				



Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Item Photo/Remarks No. 3.06 \$6.9 Is surface runoff diverted to sedimentation facilities? 3.07 S6.9 Is the drainage system properly maintained? 3.08 S6.9 Are construction works carefully programmed to minimize soil excavation works during rainy seasons? Are exposed soil surface protected by paving as soon as possible to reduce the 3.09 \$6.9 potential of soil erosion? 3.10 S6.9 Are temporary access roads protected by crushed gravel? 3.11 \$6.9 Are exposed slope surface properly protected? 3.12 \$6.9 Is trench excavation avoided in the wet season as far as practicable, or if necessary, backfilled in short sections after excavation? 3.13 S6.9 Are open stockpiles of construction materials on site covered by tarpaulin or similar fabric during construction? 3.14 \$6.9 Is runoff from wheel-washing facilities avoided? 3.15 S6.9 Is oil leakage or spillage prevented? 3.16 S6.9 Are there any measures to prevent the release of oil and grease into the storm drainage system? 3.17 \$6.9 Are the oil interceptors/ grease traps properly maintained? 3.18 \$6.9 Are debris and rubbish generated on site collected, handled and disposed of properly to avoid them entering the streams? 3.19 S6.9 Are all fuel tanks and storage areas provided with locks and be sited on sealed areas, within bunds of capacity equal to 110% of the storage capacity of the largest tank? 3.20 S6.9 Are tanks, containers, storage area bunded and the locations locked as far as possible from the sensitive watercourse and stormwater drains? 3.21 S6.9 Are sufficient chemical toilets provided on site to handle sewage from construction work force? 3.22 \$6.9 Are sewage disposal and toilet maintenance of the portable chemical toilets provided by the licensed contractors? 3.23 S6.9 Is concrete washing water properly collected and treated prior to discharge? 3.24 \$6.9 Is suitable type of silt curtains deployed during dredging to reduce the elevation of suspended solids to nearby sensitive receivers? 3.25 S6.9 Is closed grab dredger used to reduce the potential leakage of sediments? 3.26 \$6.9 Is closed grab dredger of 3 to 6 m<sup>3</sup> used for dredging at seawater intake? 3.27 \$6.9 Is specific work staff assigned the responsibility for monitoring the number of grab dredged per hour? Is number of cycle limited to 20-21 grab per hour for 3m<sup>3</sup> closed grab, 10-11 grab per hour for 6m3 closed grab?



Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Photo/Remarks N/A Item No Is the grab operated in slow and controlled manner such that the impact to seabed 3.28 S6.9 by the grab when being lowered could be minimized? Is the operator ensured the grab be properly closed before lifting the grab? Is the maximum allowed dredging rate at the seawater intake limited to 750 m3/day 3.29 \$6.9 while the maximum allowed dredging rate at the submarine outfall is 3,500 m3/day? Is dredged marine sediment disposed of in a gazetted marine disposal area in 3.30 S6.9 accordance with marine dumping permit conditions of the Dumping at Sea Ordinance (DASO)? Are disposal vessels fitted with tight bottom seals in order to prevent leakage of 3.31 S6.9 material during transport? Are barges filled to a level which ensures that material does not spill over during 3.32 S6.9 transport to the disposal site and that adequate freeboard is maintained to ensure that the decks are not washed by wave action? Are excess materials cleaned from decks and exposed fittings before the vessel is 3.33 S6.9 moved from the dredging area after dredging? Are the contractor(s) confirmed that the works cause no visible foam, oil, grease, 3.34 \$6.9 litter or other objectionable matter to be present in the water within and adjacent to the dredging site? When the dredged material has been unloaded at the disposal areas, is any material 3.35 S6.9 accumulated on the deck or other exposed parts of the vessel removed and placed in the hold or a hopper? Is dredger maintained adequate clearance between vessels and the seabed at all 3.36 S6.9 states of the tide and reduce operations speed to ensure that excessive turbidity is not generated by turbulence from vessel movement or propeller wash? Is the contractor shall regularly inspect the silt curtains and check that they are 3.37 \$6.9 moored and marked to avoid danger to marine traffic? Is regular inspection on the integrity of the silt curtain carried out by the contractor and any damage to the silt curtain shall be repaired by the contractor promptly? 3.38 S6.9 Are all vessels have a clean ballast system? Are all vessels well maintained and inspected before use to limit any potential 3.39 S6.9 discharges to the marine environment? Is any discharge of sewage/grey wastewater? Is wastewater from potentially 3.40 S6.9 contaminated area on working vessels should be minimized and collected? 3.41 S6.9 Is any soil waste disposed overboard? Waste Management 4.00 Is a trip-ticket system implemented to monitor the disposal of C&D and solid 4.01 \$8.5 wastes at public filling facilities and landfills? Is a recording system implemented to record the amount of wastes generated, 4.02 S8.5 recycled and disposed of? 4.03 S8.5 Is the Contractor registered as a chemical waste producer?



Member of the Aurecon Group Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Item Photo/Remarks No 4.04 S8.5 Is chemical waste separated from other waste and collected by a licensed chemical waste collector? 4.05 S8.5 Are trip tickets for chemical waste disposal available for inspection? 4.06 S8.5 Is chemical waste reused and recycled on site as far as practicable? 4.07 S8.5 Are all containers for chemical waste properly labelled? 4.08 S8.5 Is chemical waste storage area used solely for storage of chemical waste and properly labelled? 4.09 S8.5 Are incompatible chemical wastes stored in different areas? 4.10 S8.5 Is the chemical waste storage area enclosed on at least 3 sides and adequately ventilated? 4.11 S8.5 Is an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or of 20% by volume of the chemical waste stored in that area, whichever is the greatest, provide? 4.12 S8.5 Are a routine cleaning and maintenance programme implemented for drainage systems, sump pits, and oil interceptors? 4.13 S8.5 Are sufficient general refuse disposal/collection points provided on site? 4.14 S8.5 Is general refuse disposed of properly and regularly? 4.15 S8.5 Are appropriate measures adopted to minimize windblown litter and dust during transportation of waste? 4.16 S8.5 Are individual collectors for aluminum cans, plastic bottles and packaging material and office paper provided to encourage waste segregation? 4.17 S8.5 Are C&D wastes sorted on site? 4.18 S8.5 Are C&D waste disposed of properly? 4.19 S8.5 Are unused C&D materials or chemicals recycled or reused to reduce the quantity of waste? 4.20 S8.5 Are public fill and C&D waste reuse on site as far as practicable to avoid disposal 4.21 S8.5 Are the construction materials stored properly to minimize the potential for damage or contamination? 4.22 S8.5 Is a dumping license obtained to deliver public fill to public filling areas? 5.00 S11.10 Landscape and Visual 5.01 & 11.11 Are Is site hoarding provided? 5.02 S11.10 & Are vegetation disturbance minimized or soil protected to reduce potential soil erosion? 11.11 5.03 S11.10 &

Is construction light oriented away from the sensitive receivers?

11.11



Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Photo/Remarks Item No. 5.04 \$11.10 Is grass hydroseeding provided to slopes as soon as the completion of works? & 11.11 5.05 S11.10 & Are damages to trees outside site boundary due construction works avoided? 11.11 5.06 \$11.10 & s excavation works carried out manually instead of machinery operation within 2.5m 11 11 vicinity of any preserved trees? 5.07 S11.10 & Are the retained and transplanted tree(s) properly protected and in good conditions? 11.11 5.08 S11.10 & Are surgery works carried out for damaged trees? 11.11 6.00 S9.7 Ecology 6.01 Is site runoff properly treated to prevent any silly runoff? 6.02 S9.7 Are silt trap installed and well-maintained? 6.03 \$9.7 Are stockpiles properly covered to avoid generating silty runoff? 6.04 S9.7 Are construction works restricted to works area which are clearly defined? For slope mitigation works within the Clear Water Bay Country Park, are tree felling and 6.05 S9.7 damages to trees, the exact locations of the flexible barrier foundation plates, soil nails and rock dowels adjusted during detailed design, and a setback distance from existing trees is recommended to be maintained as far as practical? 6.06 S9.7 Are pruning of tree canopies along the alignment of the flexible barriers limited to a minimum? 6.07 S9.7 Is the alignment of flexible barriers optimized to preserve all species of conservation interest and minimize the impact to the existing vegetation as far as practicable? Are the alignment of flexible barriers positioned at minimum 1.5 m in a radius away from these individuals? 6.08 S9.7 Is temporary fencing installed to fence off the concerned species either in groups of individually within the works area and in the close proximity to prevent from being damaged and disturbed during construction? Is a sign identifying the site attached to the fence and flagging tape shall be attached to the individuals to visualize their locations? 6.09 S9.7 Is a specification for fencing and demarcating individuals of Marsdenai lachnostoma (or other flora species of conservation interest, if found) adjacent to the proposed alignment of the flexible barriers prepared to protect the species? 6.10 \$9.7 Is any induction training provided to all site personnel in order to brief them on this flora of conservation interest including the locations and their importance? 6.11 S9.7 Is the resident site supervisory staff closely monitor the conditions of concerned individuals during construction of flexible barriers in the close proximity? 6.12 \$9.7 Are fences erected along the boundary of the works area before the commencement of works to prevent vehicle movements and encroachment of personnel onto adjacent areas? 6.13 S9.7 Is regular check of the work site boundaries performed to ensure that they are not breached and that damage does not occur to surrounding areas? 6.14 S9.7 Is any damage and disturbance avoided, particularly those caused by filling and illegal dumping, to the surrounding habitats through proper management of waste disposal?



8.01

Is the EM&A properly implemented in general?

aurecon

Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Photo/Remarks Item N/A Ves No 6.15 S9.7 Are temporarily affected areas reinstated, particularly the habitats of plantation and shrubland-grassland immediately after completion of construction works, through on-site tree/shrub planting? 6.16 \$9.7 Are affected habitats within the Clear Water Bay Country Bay reinstated by hydroseeding and planting of climbers and native shrub seedlings where practical upon completion of the slope mitigation works? Landfill Gas Hazard 7.00 7.01 \$12.7 Are the safety procedures implemented to minimise the risks of fires and explosions, asphyxiation of works and toxicity effects during all works? S12.7 Are the gas detection equipment and precautions being used during trenching and 7.02 excavation as well as creation of confined spaces? Are the training with regard to the awareness of potential hazards of working in confined 7.03 S12.7 spaces provided from the Contractor to the workers? 7.04 S12.7 Are the safety officers trained with regard to landfill gas and leachate related hazards and presented on the site throughout the works undertaken below grade? 7.05 S12.7 Are the all personnel working on site and all visitor made aware of the possibility of ignition of gas, the possible presence of contaminated water and the need to avoid physical contact? S12.7 Is the monitoring of landfill gas being undertaken in all excavations, manholes, chambers and any confined spaces? 7.07 S12.7 Are the monitoring frequency and areas being specified by the safety officers or appropriately qualified person? Are the all measurements being recorded and documented? S12.7 Is the drilling proceeded with adequate care and precautions against the potential S12.7 Is the method statement covering all normal and emergency procedures provided by the drilling contractor prior to the commencement of the site works? 7.10 S12.7 Are the below ground services entries being sealed to prevent gas entry? Are the grilled metal covers being used for below grade cable trenches? S12.7 7.11 Is each manhole or utility pit monitored with two measurements (at mid-depth and base) for minimum of 10 minutes? Is the steady reading and peak reading recorded at each manhole or utility pit? 7.12 S12.7 Are the warning signs of the hazards of landfill gas and its possible presence on site posted in prominent places? 8.00 Overall



#### Contract no. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

Remark / Follow up of Observation(s) and Non-compliance(s) of Last Weekly Site Inspection:
Reminders
Keminders  1.) The obenical leg paint, scales I shall be stored in a obenical storage or or a dip tray to moper
1. ) The openion (e.g. fum,
. I a of a dip tray to
in a chemical storage of
proper 11 11 + 4/2 cite
1 /maggar after delivery to the site.
prevent lagage after delivery to the site.
2.) House keep, - Stockpile of noterial on waste
2.) House keep Stockpile of material on waster near the R.O. building and the site entrance Shall be properly storage or removed.
Man The M. O. Ballour of Card The Silver
Shell be properly storage or removed.
*
Signatures:
ET Contractor's Supervising Officer's IEC's WSD's Representative Representative Representative Representative
Representative Representative Representative
(Name: Name:
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o we w





### Appendix J

## Complaint Log

Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant





#### **Statistical Summary of Environmental Complaints**

Reporting Period	Environmental Complaint Statistics						
	Frequency	Cumulative	Complaint Nature				
1 – 31 August 2022	0	1	N/A				

#### **Statistical Summary of Environmental Summons**

Reporting Period	Environmental Summons Statistics							
	Frequency	Cumulative	Details					
1 – 31 August 2022	0	0	N/A					

#### Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics							
	Frequency	Cumulative	Details					
1 – 31 August 2022	0	0	N/A					





### Appendix K

# Impact Monitoring Schedule of Next Reporting Month

### Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

		Sep-22			
Mon	Tue	Wed	Thu	Fri 2	Sat 3
			Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR4, WSR16, WSR37, Tidal Period: Ebb Tide: 14:00-17:00 Flood Tate: 08:00-11:00 Monitoring Time: Mid-ebb: 13:00-18:00 Mid-flood: 05:50-13:00		Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR37  Tidal Period: Ebb Tide: 152-31-552 Flood Tide: 09-53-1323  Monitoring Time: Mid-thod: 050-015:16-19-000 Mid-thod: 050-015:16
5	6	1	8	9	10
	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR56, WSR37 Taial Period; Eb Taide USR56, WSR37 Fload Tide 14:20-18:00 Hood Tide 14:20-18:00 Monitoring Time: Mid-ebb: 04:27-15:01 Mid-flow: 15-04-20:010		Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Table Feriod: Ebo Tace (0x00-1200 Flood Tate: 16:00-1200 Monitoring Table: 10:00-1200 Mid-thoot: 10:421-2132		Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR4, WSR36, WSR37 Tidal Period; Ebb Tide: 1000-1300 Flood Tide: 16:00-19:00 Monitoring: 15:00-19:00 Mid-flood: 15:00-22:27 Mid-flood: 15:00-22:27
12	13	14	15	16	17
	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR2, WSR3, WSR16, WSR33, WSR36, WSR37 Taial Period; Eb Trait 2:2001-5:00 Flood Tide: 08:00-11:00 Monitoring Time: Mid-ebb: 11:18-17:00 Mid-flood: 02:27-11:18		Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR35, WSR46, WSR36, WSR3		Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR36, WSR37  Tital Period: Ebb Tide: 15:15-18-45 Flood Tide: 10:20-13-50 Monitoring Time; Mid-ebb: 16:00-19:00 Mid-010:00:11-6:00
19	20	21	22	23	24
	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR48, WSR58, WSR37 Tidal Period: Ebb Tide Bx80-0 1000 Flood Tide: 16020-1900 Mid-sho dx100-1252 Mid-flood: 12-52-23-59		Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR46, WSR16, WSR33, Talda Period.  Elso Tide. 08:15-14-5 Flood Tale. 15:00-19:00 Monitoring M		Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR56, WSR57 Tidal Period: Ebb Tide 1900-01 300 Flood Tide: 1600-1900 Mel-ebb (WG0-14-34 Mid-flood: 14-54-21-28
26	27	28	29	30	
	Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR4, WSR6, WSR33, WSR56, WSR37  Talal Period: Ebb Tale: 11:001-500 Flood Tale: 16:00-19:00 Monitoring Time: Mid-ebb: 10:20-16:05 Mid-90:001-605-22:27		Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR4, WSR16, WSR37, Tidal Period.  Ebb Tide: 12:00-16:00  Flood Tide: 08:00-11:00  Monitoring Time: Mid-abb: 12:20-17:00  Mid-BoodtS20-01-22:00		

INUE:
- Due to safety concern of vessel transportation earlier than 0700, Water Quality Monitoring would start at 0800.
- Prioritized routing: Mid-Ebb: CE—WSR16—WSR37—WSR36—WSR33—Remaining stations and Mid-Flood: CF—WSR1





### Appendix L

Water Quality and Landfill Gas Monitoring Data

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
CE	20220802	Sunny	Moderate	Mid-Flood	Surface	1	10:39:00 AM	8.7	8.4	29.6	29.8	2.9	2.5
CE	20220802	Sunny	Moderate	Mid-Flood	Surface	1	10:39:00 AM	8.8	8.3	29.5	29.7	3.1	2.5
CE	20220802	Sunny	Moderate	Mid-Flood	Middle	12.15	10:38:00 AM	8.8	8.4	29.6	29.9	3.5	4.0
CE	20220802	Sunny	Moderate	Mid-Flood	Middle	12.15	10:38:00 AM	8.7	8.4	29.6	29.8	3.2	3.0
CE	20220802	Sunny	Moderate	Mid-Flood	Bottom	23.3	10:37:00 AM	8.7	8.4	29.6	29.7	3.6	4.0
CE	20220802	Sunny	Moderate	Mid-Flood	Bottom	23.3	10:37:00 AM	8.7	8.4	29.4	29.8	3.5	4.0
CF	20220802	Sunny	Moderate	Mid-Flood	Surface	1	8:02:00 AM	9.7	8.3	30.3	29.9	3.6	2.5
CF	20220802	Sunny	Moderate	Mid-Flood	Surface	1	8:02:00 AM	9.5	8.3	30.3	30.0	3.8	4.0
CF	20220802	Sunny	Moderate	Mid-Flood	Middle	9.85	8:01:00 AM	9.6	8.2	30.4	30.0	3.8	3.0
CF	20220802	Sunny	Moderate	Mid-Flood	Middle	9.85	8:01:00 AM	9.5	8.3	30.3	30.1	3.6	5.0
CF	20220802	Sunny	Moderate	Mid-Flood	Bottom	18.7	8:00:00 AM	9.6	8.3	30.2	30.0	4.2	3.0
CF	20220802	Sunny	Moderate	Mid-Flood	Bottom	18.7	8:00:00 AM	9.6	8.3	30.2	30.1	3.8	4.0
WSR01	20220802	Sunny	Moderate	Mid-Flood	Surface	1	8:26:00 AM	9.6	8.2	29.9	30.3	3.0	4.0
WSR01	20220802	Sunny	Moderate	Mid-Flood	Surface	1	8:26:00 AM	9.7	8.1	30.1	30.3	2.8	4.0
WSR01	20220802	Sunny	Moderate	Mid-Flood	Middle	4.15	8:25:00 AM	9.6	8.2	30.1	30.3	2.8	4.0
WSR01	20220802	Sunny	Moderate	Mid-Flood	Middle	4.15	8:25:00 AM	9.6	8.2	29.9	30.3	2.7	3.0
WSR01	20220802	Sunny	Moderate	Mid-Flood	Bottom	7.3	8:24:00 AM	9.7	8.2	30.0	30.2	2.3	4.0
WSR01	20220802	Sunny	Moderate	Mid-Flood	Bottom	7.3	8:24:00 AM	9.7	8.1	29.9	30.3	2.5	5.0
WSR02	20220802	Sunny	Moderate	Mid-Flood	Surface	1	8:43:00 AM	8.9	8.3	29.4	29.9	2.3	6.0
WSR02	20220802	Sunny	Moderate	Mid-Flood	Surface	1	8:43:00 AM	9.0	8.2	29.4	29.8	2.3	3.0
WSR02	20220802	Sunny	Moderate	Mid-Flood	Middle	4.65	8:42:00 AM	9.0	8.3	29.6	29.8	2.2	5.0
WSR02	20220802	Sunny	Moderate	Mid-Flood	Middle	4.65	8:42:00 AM	8.8	8.2	29.6	29.8	2.3	4.0
WSR02	20220802	Sunny	Moderate	Mid-Flood	Bottom	8.3	8:41:00 AM	8.9	8.3	29.4	29.8	2.3	4.0
WSR02	20220802	Sunny	Moderate	Mid-Flood	Bottom	8.3	8:41:00 AM	9.0	8.3	29.4	29.9	2.4	6.0
WSR03	20220802	Sunny	Moderate	Mid-Flood	Surface	1	8:57:00 AM	9.2	8.3	30.2	29.6	2.8	4.0
WSR03	20220802	Sunny	Moderate	Mid-Flood	Surface	1	8:57:00 AM	9.2	8.3	30.2	29.5	2.6	7.0
WSR03	20220802	Sunny	Moderate	Mid-Flood	Middle	3.9	8:56:00 AM	9.2	8.3	30.2	29.5	2.4	5.0
WSR03	20220802	Sunny	Moderate	Mid-Flood	Middle	3.9	8:56:00 AM	9.2	8.2	30.2	29.4	2.3	3.0
WSR03	20220802	Sunny	Moderate	Mid-Flood	Bottom	6.8	8:55:00 AM	9.1	8.3	30.2	29.4	2.4	3.0
WSR03	20220802	Sunny	Moderate	Mid-Flood	Bottom	6.8	8:55:00 AM	9.2	8.3	30.1	29.5	2.5	2.5
WSR04	20220802	Sunny	Moderate	Mid-Flood	Surface	1	9:11:00 AM	8.8	8.3	29.3	29.8	2.5	6.0
WSR04	20220802	Sunny	Moderate	Mid-Flood	Surface	1	9:11:00 AM	8.7	8.3	29.3	29.8	2.3	4.0
WSR04	20220802	Sunny	Moderate	Mid-Flood	Middle	3.65	9:10:00 AM	8.7	8.4	29.5	29.8	2.3	3.0
WSR04	20220802	Sunny	Moderate	Mid-Flood	Middle	3.65	9:10:00 AM	8.7	8.3	29.3	29.8	2.7	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR04	20220802	Sunny	Moderate	Mid-Flood	Bottom	6.3	9:09:00 AM	8.7	8.3	29.5	29.7	2.4	2.5
WSR04	20220802	Sunny	Moderate	Mid-Flood	Bottom	6.3	9:09:00 AM	8.7	8.4	29.3	29.8	2.4	2.5
WSR16	20220802	Sunny	Moderate	Mid-Flood	Surface	1	10:17:00 AM	9.6	8.3	29.8	29.7	2.8	2.5
WSR16	20220802	Sunny	Moderate	Mid-Flood	Surface	1	10:17:00 AM	9.6	8.3	29.8	29.9	3.1	2.5
WSR16	20220802	Sunny	Moderate	Mid-Flood	Middle	8.6	10:16:00 AM	9.6	8.4	29.9	29.7	2.5	3.0
WSR16	20220802	Sunny	Moderate	Mid-Flood	Middle	8.6	10:16:00 AM	9.6	8.4	29.9	29.7	2.6	3.0
WSR16	20220802	Sunny	Moderate	Mid-Flood	Bottom	16.2	10:15:00 AM	9.5	8.4	29.8	29.8	2.6	2.5
WSR16	20220802	Sunny	Moderate	Mid-Flood	Bottom	16.2	10:15:00 AM	9.6	8.4	29.8	29.7	2.8	4.0
WSR33	20220802	Sunny	Moderate	Mid-Flood	Surface	1	9:26:00 AM	8.9	8.1	30.1	29.7	3.1	4.0
WSR33	20220802	Sunny	Moderate	Mid-Flood	Surface	1	9:26:00 AM	9.0	8.2	30.3	29.7	2.7	5.0
WSR33	20220802	Sunny	Moderate	Mid-Flood	Middle	3.85	9:25:00 AM	9.0	8.2	30.2	29.6	2.9	5.0
WSR33	20220802	Sunny	Moderate	Mid-Flood	Middle	3.85	9:25:00 AM	9.1	8.1	30.1	29.6	2.9	4.0
WSR33	20220802	Sunny	Moderate	Mid-Flood	Bottom	6.7	9:24:00 AM	9.1	8.2	30.2	29.6	2.9	4.0
WSR33	20220802	Sunny	Moderate	Mid-Flood	Bottom	6.7	9:24:00 AM	8.9	8.2	30.2	29.7	2.9	5.0
WSR36	20220802	Sunny	Moderate	Mid-Flood	Surface	1	9:40:00 AM	9.4	8.3	30.3	30.3	2.3	4.0
WSR36	20220802	Sunny	Moderate	Mid-Flood	Surface	1	9:40:00 AM	9.4	8.3	30.1	30.2	2.3	5.0
WSR36	20220802	Sunny	Moderate	Mid-Flood	Middle	3.45	9:40:00 AM	9.4	8.3	30.2	30.3	2.2	3.0
WSR36	20220802	Sunny	Moderate	Mid-Flood	Middle	3.45	9:40:00 AM	9.4	8.3	30.1	30.2	2.2	3.0
WSR36	20220802	Sunny	Moderate	Mid-Flood	Bottom	5.9	9:39:00 AM	9.4	8.3	30.2	30.3	2.4	4.0
WSR36	20220802	Sunny	Moderate	Mid-Flood	Bottom	5.9	9:39:00 AM	9.4	8.3	30.2	30.3	2.2	2.5
WSR37	20220802	Sunny	Moderate	Mid-Flood	Surface	1	9:55:00 AM	8.4	8.3	29.9	29.6	2.9	4.0
WSR37	20220802	Sunny	Moderate	Mid-Flood	Surface	1	9:55:00 AM	8.4	8.3	30.0	29.5	2.6	2.5
WSR37	20220802	Sunny	Moderate	Mid-Flood	Middle	4.15	9:54:00 AM	8.5	8.3	30.0	29.5	2.9	2.5
WSR37	20220802	Sunny	Moderate	Mid-Flood	Middle	4.15	9:54:00 AM	8.5	8.3	30.1	29.6	2.7	3.0
WSR37	20220802	Sunny	Moderate	Mid-Flood	Bottom	7.3	9:53:00 AM	8.4	8.3	29.8	29.5	2.7	3.0
WSR37	20220802	Sunny	Moderate	Mid-Flood	Bottom	7.3	9:53:00 AM	8.5	8.3	30.0	29.5	2.8	2.5
CE	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	10:59:00 AM	8.6	8.2	30.3	29.1	3.6	17.0
CE	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	10:59:00 AM	8.6	8.3	30.4	29.1	3.4	19.0
CE	20220804	Cloudy	Moderate	Mid-Flood	Middle	10.1	10:58:00 AM	8.7	8.2	30.3	29.2	3.6	5.0
CE	20220804	Cloudy	Moderate	Mid-Flood	Middle	10.1	10:58:00 AM	8.5	8.3	30.4	29.1	3.7	5.0
CE	20220804	Cloudy	Moderate	Mid-Flood	Bottom	19.2	10:57:00 AM	8.5	8.3	30.2	29.3	3.9	8.0
CE	20220804	Cloudy	Moderate	Mid-Flood	Bottom	19.2	10:57:00 AM	8.4	8.2	30.4	29.2	3.9	6.0
CF	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	8:17:00 AM	9.1	8.2	29.9	29.0	4.1	6.0
CF	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	8:17:00 AM	9.1	8.2	29.9	29.0	4.2	5.0
CF	20220804	Cloudy	Moderate	Mid-Flood	Middle	10.85	8:16:00 AM	9.2	8.1	29.8	28.9	4.4	7.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
CF	20220804	Cloudy	Moderate	Mid-Flood	Middle	10.85	8:16:00 AM	9.2	8.1	29.9	29.0	4.4	8.0
CF	20220804	Cloudy	Moderate	Mid-Flood	Bottom	20.7	8:15:00 AM	9.0	8.1	29.9	29.0	4.5	5.0
CF	20220804	Cloudy	Moderate	Mid-Flood	Bottom	20.7	8:15:00 AM	9.1	8.2	29.8	29.0	4.8	6.0
WSR01	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	9:41:00 AM	9.3	8.1	30.4	28.9	2.9	8.0
WSR01	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	9:41:00 AM	9.3	8.1	30.6	28.8	3.0	6.0
WSR01	20220804	Cloudy	Moderate	Mid-Flood	Middle	4.6	9:40:00 AM	9.6	8.1	30.7	28.8	3.1	7.0
WSR01	20220804	Cloudy	Moderate	Mid-Flood	Middle	4.6	9:40:00 AM	9.4	8.1	30.4	28.8	2.8	7.0
WSR01	20220804	Cloudy	Moderate	Mid-Flood	Bottom	8.2	9:39:00 AM	9.6	8.1	30.6	28.8	3.4	6.0
WSR01	20220804	Cloudy	Moderate	Mid-Flood	Bottom	8.2	9:39:00 AM	9.3	8.1	30.5	28.8	3.2	7.0
WSR02	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	8:59:00 AM	9.4	8.1	30.5	28.7	3.1	7.0
WSR02	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	8:59:00 AM	9.4	8.1	30.3	28.7	3.3	9.0
WSR02	20220804	Cloudy	Moderate	Mid-Flood	Middle	4.7	8:58:00 AM	9.5	8.2	30.5	28.8	3.3	7.0
WSR02	20220804	Cloudy	Moderate	Mid-Flood	Middle	4.7	8:58:00 AM	9.5	8.1	30.3	28.7	3.0	6.0
WSR02	20220804	Cloudy	Moderate	Mid-Flood	Bottom	8.4	8:57:00 AM	9.3	8.1	30.4	28.7	3.1	7.0
WSR02	20220804	Cloudy	Moderate	Mid-Flood	Bottom	8.4	8:57:00 AM	9.2	8.2	30.6	28.6	2.8	8.0
WSR03	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	9:12:00 AM	8.9	8.2	30.4	28.7	3.4	8.0
WSR03	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	9:12:00 AM	9.0	8.2	30.2	28.6	3.2	6.0
WSR03	20220804	Cloudy	Moderate	Mid-Flood	Middle	3.7	9:11:00 AM	8.8	8.2	30.2	28.7	3.0	5.0
WSR03	20220804	Cloudy	Moderate	Mid-Flood	Middle	3.7	9:11:00 AM	8.8	8.2	30.4	28.6	3.5	9.0
WSR03	20220804	Cloudy	Moderate	Mid-Flood	Bottom	6.4	9:10:00 AM	8.7	8.3	30.1	28.7	3.0	3.0
WSR03	20220804	Cloudy	Moderate	Mid-Flood	Bottom	6.4	9:10:00 AM	8.7	8.1	30.2	28.6	2.8	3.0
WSR04	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	9:26:00 AM	9.5	8.1	30.0	28.6	3.2	5.0
WSR04	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	9:26:00 AM	9.4	8.2	29.8	28.6	3.5	7.0
WSR04	20220804	Cloudy	Moderate	Mid-Flood	Middle	3.45	9:25:00 AM	9.3	8.1	29.8	28.6	3.1	8.0
WSR04	20220804	Cloudy	Moderate	Mid-Flood	Middle	3.45	9:25:00 AM	9.1	8.1	29.8	28.6	3.3	7.0
WSR04	20220804	Cloudy	Moderate	Mid-Flood	Bottom	5.9	9:24:00 AM	9.4	8.1	29.9	28.6	2.6	7.0
WSR04	20220804	Cloudy	Moderate	Mid-Flood	Bottom	5.9	9:24:00 AM	9.1	8.2	29.9	28.7	2.9	6.0
WSR16	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	10:34:00 AM	8.9	8.3	30.2	28.9	3.6	9.0
WSR16	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	10:34:00 AM	8.7	8.3	30.1	29.0	3.6	6.0
WSR16	20220804	Cloudy	Moderate	Mid-Flood	Middle	8.1	10:33:00 AM	8.9	8.4	30.3	28.9	3.0	9.0
WSR16	20220804	Cloudy	Moderate	Mid-Flood	Middle	8.1	10:33:00 AM	8.8	8.3	30.3	28.9	2.9	9.0
WSR16	20220804	Cloudy	Moderate	Mid-Flood	Bottom	15.2	10:32:00 AM	8.6	8.3	30.1	29.0	3.3	4.0
WSR16	20220804	Cloudy	Moderate	Mid-Flood	Bottom	15.2	10:32:00 AM	8.7	8.3	30.4	28.9	3.2	2.5
WSR33	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	9:41:00 AM	9.5	8.1	30.7	28.6	2.9	2.5
WSR33	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	9:41:00 AM	9.2	8.1	30.6	28.6	2.7	4.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR33	20220804	Cloudy	Moderate	Mid-Flood	Middle	3.75	9:40:00 AM	9.4	8.2	30.6	28.5	2.5	3.0
WSR33	20220804	Cloudy	Moderate	Mid-Flood	Middle	3.75	9:40:00 AM	9.4	8.2	30.6	28.6	2.4	4.0
WSR33	20220804	Cloudy	Moderate	Mid-Flood	Bottom	6.5	9:39:00 AM	9.3	8.2	30.6	28.6	2.5	4.0
WSR33	20220804	Cloudy	Moderate	Mid-Flood	Bottom	6.5	9:39:00 AM	9.2	8.1	30.7	28.6	2.7	3.0
WSR36	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	9:56:00 AM	9.0	8.3	30.5	28.7	3.6	2.5
WSR36	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	9:56:00 AM	9.3	8.3	30.4	28.7	3.8	3.0
WSR36	20220804	Cloudy	Moderate	Mid-Flood	Middle	3.25	9:56:00 AM	9.4	8.2	30.4	28.6	3.5	3.0
WSR36	20220804	Cloudy	Moderate	Mid-Flood	Middle	3.25	9:56:00 AM	9.0	8.2	30.4	28.7	3.5	3.0
WSR36	20220804	Cloudy	Moderate	Mid-Flood	Bottom	5.5	9:55:00 AM	9.4	8.2	30.4	28.7	3.4	7.0
WSR36	20220804	Cloudy	Moderate	Mid-Flood	Bottom	5.5	9:55:00 AM	9.1	8.3	30.2	28.7	3.9	5.0
WSR37	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	10:11:00 AM	9.6	8.2	31.0	29.1	3.2	3.0
WSR37	20220804	Cloudy	Moderate	Mid-Flood	Surface	1	10:11:00 AM	9.6	8.2	30.8	29.2	2.9	4.0
WSR37	20220804	Cloudy	Moderate	Mid-Flood	Middle	4.25	10:10:00 AM	9.4	8.2	30.9	29.0	3.4	7.0
WSR37	20220804	Cloudy	Moderate	Mid-Flood	Middle	4.25	10:10:00 AM	9.3	8.1	30.9	29.1	3.7	5.0
WSR37	20220804	Cloudy	Moderate	Mid-Flood	Bottom	7.5	10:09:00 AM	9.5	8.2	31.0	29.0	2.9	3.0
WSR37	20220804	Cloudy	Moderate	Mid-Flood	Bottom	7.5	10:09:00 AM	9.7	8.2	30.9	29.0	3.4	3.0
CE	20220806	Sunny	Moderate	Mid-Flood	Surface	1	2:02:00 PM	9.1	8.0	31.2	29.1	3.4	4.0
CE	20220806	Sunny	Moderate	Mid-Flood	Surface	1	2:02:00 PM	9.1	8.1	31.3	29.2	3.4	4.0
CE	20220806	Sunny	Moderate	Mid-Flood	Middle	10.6	2:01:00 PM	9.1	8.1	31.3	29.0	3.7	5.0
CE	20220806	Sunny	Moderate	Mid-Flood	Middle	10.6	2:01:00 PM	9.0	8.1	31.2	29.1	3.7	6.0
CE	20220806	Sunny	Moderate	Mid-Flood	Bottom	20.2	2:00:00 PM	9.0	8.1	31.1	29.1	3.6	5.0
CE	20220806	Sunny	Moderate	Mid-Flood	Bottom	20.2	2:00:00 PM	9.0	8.0	31.3	29.2	3.8	9.0
CF	20220806	Sunny	Moderate	Mid-Flood	Surface	1	11:23:00 AM	8.7	8.2	31.0	29.0	3.7	6.0
CF	20220806	Sunny	Moderate	Mid-Flood	Surface	1	11:23:00 AM	8.7	8.2	31.1	29.0	3.8	6.0
CF	20220806	Sunny	Moderate	Mid-Flood	Middle	10.5	11:22:00 AM	8.8	8.2	30.8	29.0	3.9	4.0
CF	20220806	Sunny	Moderate	Mid-Flood	Middle	10.5	11:22:00 AM	8.7	8.3	30.8	29.0	4.0	3.0
CF	20220806	Sunny	Moderate	Mid-Flood	Bottom	20	11:21:00 AM	8.7	8.2	30.9	29.0	4.2	6.0
CF	20220806	Sunny	Moderate	Mid-Flood	Bottom	20	11:21:00 AM	8.7	8.2	31.1	29.1	4.4	8.0
WSR01	20220806	Sunny	Moderate	Mid-Flood	Surface	1	11:47:00 AM	8.5	8.2	30.8	29.7	2.7	4.0
WSR01	20220806	Sunny	Moderate	Mid-Flood	Surface	1	11:47:00 AM	8.6	8.2	30.6	29.7	2.7	2.5
WSR01	20220806	Sunny	Moderate	Mid-Flood	Middle	4.5	11:46:00 AM	8.6	8.2	30.8	29.7	2.2	4.0
WSR01	20220806	Sunny	Moderate	Mid-Flood	Middle	4.5	11:46:00 AM	8.7	8.2	30.8	29.7	2.2	3.0
WSR01	20220806	Sunny	Moderate	Mid-Flood	Bottom	8	11:45:00 AM	8.6	8.2	30.6	29.6	2.3	4.0
WSR01	20220806	Sunny	Moderate	Mid-Flood	Bottom	8	11:45:00 AM	8.7	8.1	30.9	29.7	2.1	5.0
WSR02	20220806	Sunny	Moderate	Mid-Flood	Surface	1	12:05:00 PM	8.5	8.1	30.5	29.1	2.1	3.0
WSR02	20220806	Sunny	Moderate	Mid-Flood	Surface	1	12:05:00 PM	8.5	8.1	30.4	29.0	2.1	5.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR02	20220806	Sunny	Moderate	Mid-Flood	Middle	4.75	12:04:00 PM	8.6	8.2	30.5	29.0	2.2	6.0
WSR02	20220806	Sunny	Moderate	Mid-Flood	Middle	4.75	12:04:00 PM	8.6	8.1	30.5	29.1	2.2	3.0
WSR02	20220806	Sunny	Moderate	Mid-Flood	Bottom	8.5	12:03:00 PM	8.6	8.2	30.6	29.0	2.4	4.0
WSR02	20220806	Sunny	Moderate	Mid-Flood	Bottom	8.5	12:03:00 PM	8.6	8.1	30.4	29.0	2.1	5.0
WSR03	20220806	Sunny	Moderate	Mid-Flood	Surface	1	12:18:00 PM	8.3	8.2	31.2	29.8	2.6	6.0
WSR03	20220806	Sunny	Moderate	Mid-Flood	Surface	1	12:18:00 PM	8.3	8.2	31.3	29.8	2.8	5.0
WSR03	20220806	Sunny	Moderate	Mid-Flood	Middle	4.2	12:17:00 PM	8.3	8.2	31.3	29.7	3.0	6.0
WSR03	20220806	Sunny	Moderate	Mid-Flood	Middle	4.2	12:17:00 PM	8.4	8.2	31.2	29.8	2.6	4.0
WSR03	20220806	Sunny	Moderate	Mid-Flood	Bottom	7.4	12:16:00 PM	8.3	8.2	31.2	29.8	2.6	6.0
WSR03	20220806	Sunny	Moderate	Mid-Flood	Bottom	7.4	12:16:00 PM	8.2	8.2	31.1	29.7	2.9	3.0
WSR04	20220806	Sunny	Moderate	Mid-Flood	Surface	1	12:32:00 PM	9.2	8.1	31.4	29.8	2.9	2.5
WSR04	20220806	Sunny	Moderate	Mid-Flood	Surface	1	12:32:00 PM	9.1	8.1	31.3	29.7	3.3	2.5
WSR04	20220806	Sunny	Moderate	Mid-Flood	Middle	3.85	12:31:00 PM	9.3	8.1	31.3	29.8	2.6	5.0
WSR04	20220806	Sunny	Moderate	Mid-Flood	Middle	3.85	12:31:00 PM	9.1	8.1	31.2	29.8	3.0	3.0
WSR04	20220806	Sunny	Moderate	Mid-Flood	Bottom	6.7	12:30:00 PM	9.1	8.1	31.3	29.8	2.5	4.0
WSR04	20220806	Sunny	Moderate	Mid-Flood	Bottom	6.7	12:30:00 PM	9.2	8.2	31.3	29.7	2.8	4.0
WSR16	20220806	Sunny	Moderate	Mid-Flood	Surface	1	2:02:00 PM	8.7	8.3	31.0	29.3	3.4	2.5
WSR16	20220806	Sunny	Moderate	Mid-Flood	Surface	1	2:02:00 PM	8.8	8.4	31.2	29.2	2.9	3.0
WSR16	20220806	Sunny	Moderate	Mid-Flood	Middle	8.05	2:01:00 PM	8.7	8.3	31.0	29.2	3.2	5.0
WSR16	20220806	Sunny	Moderate	Mid-Flood	Middle	8.05	2:01:00 PM	8.7	8.3	31.1	29.3	2.8	4.0
WSR16	20220806	Sunny	Moderate	Mid-Flood	Bottom	15.1	2:00:00 PM	8.9	8.3	31.0	29.3	2.6	3.0
WSR16	20220806	Sunny	Moderate	Mid-Flood	Bottom	15.1	2:00:00 PM	8.7	8.3	31.0	29.2	2.9	2.5
WSR33	20220806	Sunny	Moderate	Mid-Flood	Surface	1	12:47:00 PM	8.4	8.2	30.8	29.8	2.9	3.0
WSR33	20220806	Sunny	Moderate	Mid-Flood	Surface	1	12:47:00 PM	8.4	8.1	31.0	29.8	2.6	2.5
WSR33	20220806	Sunny	Moderate	Mid-Flood	Middle	3.75	12:46:00 PM	8.4	8.2	30.9	29.8	2.6	4.0
WSR33	20220806	Sunny	Moderate	Mid-Flood	Middle	3.75	12:46:00 PM	8.4	8.1	31.0	29.8	2.9	4.0
WSR33	20220806	Sunny	Moderate	Mid-Flood	Bottom	6.5	12:45:00 PM	8.3	8.2	31.1	29.8	2.4	3.0
WSR33	20220806	Sunny	Moderate	Mid-Flood	Bottom	6.5	12:45:00 PM	8.4	8.2	31.0	29.9	2.6	5.0
WSR36	20220806	Sunny	Moderate	Mid-Flood	Surface	1	1:01:00 PM	8.9	8.3	31.0	29.3	3.4	3.0
WSR36	20220806	Sunny	Moderate	Mid-Flood	Surface	1	1:01:00 PM	8.9	8.3	31.1	29.3	3.7	3.0
WSR36	20220806	Sunny	Moderate	Mid-Flood	Middle	3.7	1:01:00 PM	8.7	8.4	31.0	29.3	3.4	3.0
WSR36	20220806	Sunny	Moderate	Mid-Flood	Middle	3.7	1:01:00 PM	8.9	8.3	31.0	29.4	2.9	3.0
WSR36	20220806	Sunny	Moderate	Mid-Flood	Bottom	6.4	1:00:00 PM	8.8	8.3	31.2	29.2	2.7	5.0
WSR36	20220806	Sunny	Moderate	Mid-Flood	Bottom	6.4	1:00:00 PM	8.8	8.3	31.2	29.3	2.6	3.0
WSR37	20220806	Sunny	Moderate	Mid-Flood	Surface	1	1:16:00 PM	9.0	8.3	31.3	29.7	3.5	3.0
WSR37	20220806	Sunny	Moderate	Mid-Flood	Surface	1	1:16:00 PM	9.0	8.4	31.4	29.8	3.4	5.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR37	20220806	Sunny	Moderate	Mid-Flood	Middle	4.1	1:15:00 PM	8.9	8.4	31.4	29.7	3.0	4.0
WSR37	20220806	Sunny	Moderate	Mid-Flood	Middle	4.1	1:15:00 PM	9.0	8.3	31.2	29.8	2.7	2.5
WSR37	20220806	Sunny	Moderate	Mid-Flood	Bottom	7.2	1:14:00 PM	8.9	8.3	31.3	29.6	3.0	4.0
WSR37	20220806	Sunny	Moderate	Mid-Flood	Bottom	7.2	1:14:00 PM	8.9	8.3	31.5	29.7	2.7	5.0
CE	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	6:18:00 PM	8.9	8.2	28.5	28.1	3.8	4.0
CE	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	6:18:00 PM	9.1	8.1	28.4	28.2	3.8	2.5
CE	20220811	Cloudy	Moderate	Mid-Flood	Middle	10.9	6:17:00 PM	9.0	8.2	28.4	28.1	3.9	2.5
CE	20220811	Cloudy	Moderate	Mid-Flood	Middle	10.9	6:17:00 PM	9.1	8.2	28.4	28.0	4.0	2.5
CE	20220811	Cloudy	Moderate	Mid-Flood	Bottom	20.8	6:16:00 PM	8.8	8.2	28.4	28.0	4.4	7.0
CE	20220811	Cloudy	Moderate	Mid-Flood	Bottom	20.8	6:16:00 PM	8.9	8.1	28.4	28.1	4.2	6.0
CF	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	3:45:00 PM	9.0	8.3	28.3	28.7	4.3	5.0
CF	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	3:45:00 PM	8.8	8.2	28.1	28.7	4.2	6.0
CF	20220811	Cloudy	Moderate	Mid-Flood	Middle	10.75	3:44:00 PM	8.9	8.3	28.3	28.6	4.4	6.0
CF	20220811	Cloudy	Moderate	Mid-Flood	Middle	10.75	3:44:00 PM	9.0	8.3	28.3	28.7	4.3	6.0
CF	20220811	Cloudy	Moderate	Mid-Flood	Bottom	20.5	3:43:00 PM	8.9	8.3	28.2	28.8	4.8	3.0
CF	20220811	Cloudy	Moderate	Mid-Flood	Bottom	20.5	3:43:00 PM	8.9	8.3	28.4	28.7	4.6	6.0
WSR01	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	4:08:00 PM	9.3	8.2	29.0	28.5	2.6	9.0
WSR01	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	4:08:00 PM	9.2	8.2	28.9	28.7	2.8	9.0
WSR01	20220811	Cloudy	Moderate	Mid-Flood	Middle	4.35	4:07:00 PM	9.1	8.2	28.7	28.5	2.8	3.0
WSR01	20220811	Cloudy	Moderate	Mid-Flood	Middle	4.35	4:07:00 PM	9.2	8.2	28.8	28.7	2.3	4.0
WSR01	20220811	Cloudy	Moderate	Mid-Flood	Bottom	7.7	4:06:00 PM	9.2	8.3	29.0	28.7	2.1	6.0
WSR01	20220811	Cloudy	Moderate	Mid-Flood	Bottom	7.7	4:06:00 PM	9.1	8.2	28.9	28.5	2.3	6.0
WSR02	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	4:26:00 PM	8.8	8.2	28.9	28.2	2.8	6.0
WSR02	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	4:26:00 PM	8.7	8.1	29.0	28.2	3.1	5.0
WSR02	20220811	Cloudy	Moderate	Mid-Flood	Middle	4.75	4:25:00 PM	8.7	8.2	29.0	28.2	2.7	7.0
WSR02	20220811	Cloudy	Moderate	Mid-Flood	Middle	4.75	4:25:00 PM	8.7	8.1	28.9	28.2	2.4	6.0
WSR02	20220811	Cloudy	Moderate	Mid-Flood	Bottom	8.5	4:24:00 PM	8.7	8.2	28.8	28.1	2.3	6.0
WSR02	20220811	Cloudy	Moderate	Mid-Flood	Bottom	8.5	4:24:00 PM	8.7	8.2	29.0	28.2	2.4	7.0
WSR03	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	4:38:00 PM	9.5	8.2	28.6	28.5	2.7	6.0
WSR03	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	4:38:00 PM	9.3	8.2	28.5	28.4	3.2	8.0
WSR03	20220811	Cloudy	Moderate	Mid-Flood	Middle	3.85	4:37:00 PM	9.3	8.2	28.2	28.6	2.9	6.0
WSR03	20220811	Cloudy	Moderate	Mid-Flood	Middle	3.85	4:37:00 PM	9.4	8.2	28.3	28.5	2.5	7.0
WSR03	20220811	Cloudy	Moderate	Mid-Flood	Bottom	6.7	4:36:00 PM	9.3	8.2	28.2	28.5	2.3	6.0
WSR03	20220811	Cloudy	Moderate	Mid-Flood	Bottom	6.7	4:36:00 PM	9.5	8.2	28.6	28.5	2.7	8.0
WSR04	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	4:50:00 PM	9.3	8.2	29.5	28.3	2.6	8.0
WSR04	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	4:50:00 PM	9.2	8.2	29.5	28.3	2.6	8.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR04	20220811	Cloudy	Moderate	Mid-Flood	Middle	3.85	4:49:00 PM	9.0	8.2	29.5	28.4	2.5	6.0
WSR04	20220811	Cloudy	Moderate	Mid-Flood	Middle	3.85	4:49:00 PM	9.1	8.3	29.5	28.3	2.8	6.0
WSR04	20220811	Cloudy	Moderate	Mid-Flood	Bottom	6.7	4:48:00 PM	9.0	8.2	29.3	28.3	2.4	6.0
WSR04	20220811	Cloudy	Moderate	Mid-Flood	Bottom	6.7	4:48:00 PM	9.3	8.2	29.2	28.3	2.3	6.0
WSR16	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	5:54:00 PM	8.7	8.2	29.3	28.5	2.3	6.0
WSR16	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	5:54:00 PM	8.6	8.2	29.2	28.6	2.4	7.0
WSR16	20220811	Cloudy	Moderate	Mid-Flood	Middle	8.45	5:53:00 PM	8.7	8.2	29.2	28.5	2.6	8.0
WSR16	20220811	Cloudy	Moderate	Mid-Flood	Middle	8.45	5:53:00 PM	8.6	8.3	29.4	28.5	2.5	6.0
WSR16	20220811	Cloudy	Moderate	Mid-Flood	Bottom	15.9	5:52:00 PM	8.7	8.2	29.3	28.6	2.4	6.0
WSR16	20220811	Cloudy	Moderate	Mid-Flood	Bottom	15.9	5:52:00 PM	8.8	8.2	29.3	28.6	2.2	3.0
WSR33	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	5:04:00 PM	9.5	8.3	29.2	28.6	3.9	4.0
WSR33	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	5:04:00 PM	9.5	8.2	29.2	28.8	3.4	5.0
WSR33	20220811	Cloudy	Moderate	Mid-Flood	Middle	3.5	5:03:00 PM	9.4	8.3	29.2	28.8	3.3	7.0
WSR33	20220811	Cloudy	Moderate	Mid-Flood	Middle	3.5	5:03:00 PM	9.4	8.3	29.3	28.7	3.4	6.0
WSR33	20220811	Cloudy	Moderate	Mid-Flood	Bottom	6	5:02:00 PM	9.3	8.3	29.3	28.8	3.3	8.0
WSR33	20220811	Cloudy	Moderate	Mid-Flood	Bottom	6	5:02:00 PM	9.5	8.3	29.3	28.6	3.1	7.0
WSR36	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	5:17:00 PM	8.6	8.3	28.1	28.6	3.7	8.0
WSR36	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	5:17:00 PM	8.6	8.3	28.3	28.6	4.1	8.0
WSR36	20220811	Cloudy	Moderate	Mid-Flood	Middle	3.2	5:17:00 PM	8.7	8.2	28.2	28.7	3.8	9.0
WSR36	20220811	Cloudy	Moderate	Mid-Flood	Middle	3.2	5:17:00 PM	8.7	8.3	28.2	28.7	3.2	6.0
WSR36	20220811	Cloudy	Moderate	Mid-Flood	Bottom	5.4	5:16:00 PM	8.7	8.3	28.2	28.8	3.0	5.0
WSR36	20220811	Cloudy	Moderate	Mid-Flood	Bottom	5.4	5:16:00 PM	8.9	8.3	28.3	28.8	2.9	8.0
WSR37	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	5:32:00 PM	8.7	8.3	28.3	28.3	3.2	6.0
WSR37	20220811	Cloudy	Moderate	Mid-Flood	Surface	1	5:32:00 PM	8.9	8.3	28.3	28.3	3.5	8.0
WSR37	20220811	Cloudy	Moderate	Mid-Flood	Middle	4.4	5:31:00 PM	8.9	8.3	28.3	28.3	2.7	6.0
WSR37	20220811	Cloudy	Moderate	Mid-Flood	Middle	4.4	5:31:00 PM	8.6	8.2	28.2	28.4	2.5	8.0
WSR37	20220811	Cloudy	Moderate	Mid-Flood	Bottom	7.8	5:30:00 PM	8.6	8.3	28.3	28.4	2.9	4.0
WSR37	20220811	Cloudy	Moderate	Mid-Flood	Bottom	7.8	5:30:00 PM	8.9	8.3	28.2	28.4	3.1	5.0
CE	20220813	Sunny	Moderate	Mid-Flood	Surface	1	10:38:00 AM	8.7	8.2	29.8	30.6	3.0	2.5
CE	20220813	Sunny	Moderate	Mid-Flood	Surface	1	10:38:00 AM	8.7	8.1	29.9	30.6	3.1	2.5
CE	20220813	Sunny	Moderate	Mid-Flood	Middle	10.65	10:37:00 AM	8.9	8.2	29.9	30.5	3.1	4.0
CE	20220813	Sunny	Moderate	Mid-Flood	Middle	10.65	10:37:00 AM	8.7	8.1	29.9	30.5	3.0	2.5
CE	20220813	Sunny	Moderate	Mid-Flood	Bottom	20.3	10:36:00 AM	8.8	8.2	29.9	30.6	3.4	2.5
CE	20220813	Sunny	Moderate	Mid-Flood	Bottom	20.3	10:36:00 AM	8.9	8.2	29.8	30.5	3.3	2.5
CF	20220813	Sunny	Moderate	Mid-Flood	Surface	1	8:02:00 AM	8.6	8.3	29.8	29.9	3.4	3.0
CF	20220813	Sunny	Moderate	Mid-Flood	Surface	1	8:02:00 AM	8.7	8.2	29.8	29.9	3.5	3.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
CF	20220813	Sunny	Moderate	Mid-Flood	Middle	10.35	8:01:00 AM	8.6	8.3	29.9	29.8	3.5	9.0
CF	20220813	Sunny	Moderate	Mid-Flood	Middle	10.35	8:01:00 AM	8.6	8.3	29.9	29.9	3.6	7.0
CF	20220813	Sunny	Moderate	Mid-Flood	Bottom	19.7	8:00:00 AM	8.6	8.3	29.7	29.9	3.6	2.5
CF	20220813	Sunny	Moderate	Mid-Flood	Bottom	19.7	8:00:00 AM	8.6	8.3	29.9	29.9	3.8	2.5
WSR01	20220813	Sunny	Moderate	Mid-Flood	Surface	1	8:26:00 AM	8.2	8.3	30.4	30.1	2.2	2.5
WSR01	20220813	Sunny	Moderate	Mid-Flood	Surface	1	8:26:00 AM	8.3	8.3	30.4	30.3	2.5	3.0
WSR01	20220813	Sunny	Moderate	Mid-Flood	Middle	4.75	8:25:00 AM	8.1	8.3	30.2	30.1	2.4	3.0
WSR01	20220813	Sunny	Moderate	Mid-Flood	Middle	4.75	8:25:00 AM	8.2	8.3	30.3	30.2	2.8	2.5
WSR01	20220813	Sunny	Moderate	Mid-Flood	Bottom	8.5	8:24:00 AM	8.1	8.4	30.4	30.2	2.5	3.0
WSR01	20220813	Sunny	Moderate	Mid-Flood	Bottom	8.5	8:24:00 AM	8.3	8.4	30.3	30.2	2.8	3.0
WSR02	20220813	Sunny	Moderate	Mid-Flood	Surface	1	8:44:00 AM	8.7	8.1	29.5	30.0	3.2	3.0
WSR02	20220813	Sunny	Moderate	Mid-Flood	Surface	1	8:44:00 AM	8.7	8.1	29.5	30.1	2.8	3.0
WSR02	20220813	Sunny	Moderate	Mid-Flood	Middle	4.5	8:43:00 AM	8.6	8.2	29.7	30.2	2.5	2.5
WSR02	20220813	Sunny	Moderate	Mid-Flood	Middle	4.5	8:43:00 AM	8.6	8.1	29.6	30.1	2.9	2.5
WSR02	20220813	Sunny	Moderate	Mid-Flood	Bottom	8	8:42:00 AM	8.7	8.1	29.6	30.0	2.6	2.5
WSR02	20220813	Sunny	Moderate	Mid-Flood	Bottom	8	8:42:00 AM	8.8	8.1	29.5	30.0	2.2	2.5
WSR03	20220813	Sunny	Moderate	Mid-Flood	Surface	1	8:57:00 AM	8.8	8.3	30.2	29.8	2.2	3.0
WSR03	20220813	Sunny	Moderate	Mid-Flood	Surface	1	8:57:00 AM	9.0	8.2	30.3	29.9	2.6	2.5
WSR03	20220813	Sunny	Moderate	Mid-Flood	Middle	4	8:56:00 AM	9.0	8.2	30.3	29.8	2.3	3.0
WSR03	20220813	Sunny	Moderate	Mid-Flood	Middle	4	8:56:00 AM	8.9	8.3	30.4	29.8	2.6	3.0
WSR03	20220813	Sunny	Moderate	Mid-Flood	Bottom	7	8:55:00 AM	8.9	8.2	30.3	29.8	2.9	3.0
WSR03	20220813	Sunny	Moderate	Mid-Flood	Bottom	7	8:55:00 AM	8.8	8.3	30.2	30.0	2.8	3.0
WSR04	20220813	Sunny	Moderate	Mid-Flood	Surface	1	9:11:00 AM	8.9	8.3	30.4	30.6	2.7	2.5
WSR04	20220813	Sunny	Moderate	Mid-Flood	Surface	1	9:11:00 AM	9.0	8.4	30.4	30.5	2.2	3.0
WSR04	20220813	Sunny	Moderate	Mid-Flood	Middle	3.35	9:10:00 AM	8.9	8.3	30.4	30.5	2.5	3.0
WSR04	20220813	Sunny	Moderate	Mid-Flood	Middle	3.35	9:10:00 AM	8.9	8.3	30.5	30.5	2.1	3.0
WSR04	20220813	Sunny	Moderate	Mid-Flood	Bottom	5.7	9:09:00 AM	8.9	8.3	30.4	30.6	2.7	2.5
WSR04	20220813	Sunny	Moderate	Mid-Flood	Bottom	5.7	9:09:00 AM	8.8	8.3	30.4	30.6	2.3	2.5
WSR16	20220813	Sunny	Moderate	Mid-Flood	Surface	1	10:16:00 AM	8.8	8.1	30.2	30.0	3.3	3.0
WSR16	20220813	Sunny	Moderate	Mid-Flood	Surface	1	10:16:00 AM	8.8	8.2	30.2	30.1	3.1	5.0
WSR16	20220813	Sunny	Moderate	Mid-Flood	Middle	8.05	10:15:00 AM	8.8	8.1	30.2	30.1	3.1	3.0
WSR16	20220813	Sunny	Moderate	Mid-Flood	Middle	8.05	10:15:00 AM	8.8	8.1	30.2	30.1	3.2	4.0
WSR16	20220813	Sunny	Moderate	Mid-Flood	Bottom	15.1	10:14:00 AM	8.7	8.1	30.2	30.0	2.9	6.0
WSR16	20220813	Sunny	Moderate	Mid-Flood	Bottom	15.1	10:14:00 AM	8.7	8.1	30.1	29.9	3.1	3.0
WSR33	20220813	Sunny	Moderate	Mid-Flood	Surface	1	9:26:00 AM	8.6	8.3	30.6	30.0	2.6	6.0
WSR33	20220813	Sunny	Moderate	Mid-Flood	Surface	1	9:26:00 AM	8.7	8.3	30.7	29.9	2.3	3.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR33	20220813	Sunny	Moderate	Mid-Flood	Middle	3.65	9:25:00 AM	8.6	8.3	30.7	30.0	2.5	5.0
WSR33	20220813	Sunny	Moderate	Mid-Flood	Middle	3.65	9:25:00 AM	8.5	8.3	30.7	30.0	2.1	4.0
WSR33	20220813	Sunny	Moderate	Mid-Flood	Bottom	6.3	9:24:00 AM	8.6	8.3	30.6	30.0	2.0	4.0
WSR33	20220813	Sunny	Moderate	Mid-Flood	Bottom	6.3	9:24:00 AM	8.6	8.2	30.6	29.8	2.1	4.0
WSR36	20220813	Sunny	Moderate	Mid-Flood	Surface	1	9:39:00 AM	8.3	8.3	29.7	29.8	2.1	4.0
WSR36	20220813	Sunny	Moderate	Mid-Flood	Surface	1	9:39:00 AM	8.3	8.4	29.7	29.8	2.3	3.0
WSR36	20220813	Sunny	Moderate	Mid-Flood	Middle	3.55	9:39:00 AM	8.4	8.4	29.7	29.8	2.6	3.0
WSR36	20220813	Sunny	Moderate	Mid-Flood	Middle	3.55	9:39:00 AM	8.3	8.4	29.8	29.9	2.7	4.0
WSR36	20220813	Sunny	Moderate	Mid-Flood	Bottom	6.1	9:38:00 AM	8.4	8.4	29.8	29.8	2.7	6.0
WSR36	20220813	Sunny	Moderate	Mid-Flood	Bottom	6.1	9:38:00 AM	8.3	8.4	29.7	29.8	2.7	5.0
WSR37	20220813	Sunny	Moderate	Mid-Flood	Surface	1	9:54:00 AM	9.0	8.1	30.5	30.5	2.5	2.5
WSR37	20220813	Sunny	Moderate	Mid-Flood	Surface	1	9:54:00 AM	9.0	8.2	30.6	30.4	2.4	3.0
WSR37	20220813	Sunny	Moderate	Mid-Flood	Middle	4.2	9:53:00 AM	8.9	8.1	30.6	30.5	3.0	4.0
WSR37	20220813	Sunny	Moderate	Mid-Flood	Middle	4.2	9:53:00 AM	9.0	8.1	30.7	30.4	2.6	6.0
WSR37	20220813	Sunny	Moderate	Mid-Flood	Bottom	7.4	9:52:00 AM	8.9	8.2	30.7	30.6	2.7	2.5
WSR37	20220813	Sunny	Moderate	Mid-Flood	Bottom	7.4	9:52:00 AM	8.9	8.1	30.6	30.6	2.4	2.5
CE	20220815	Sunny	Moderate	Mid-Flood	Surface	1	8:02:00 AM	9.1	8.2	29.1	28.5	3.2	3.0
CE	20220815	Sunny	Moderate	Mid-Flood	Surface	1	8:02:00 AM	9.2	8.1	29.0	28.4	2.9	2.5
CE	20220815	Sunny	Moderate	Mid-Flood	Middle	11.8	8:01:00 AM	9.0	8.2	28.8	28.4	3.3	2.5
CE	20220815	Sunny	Moderate	Mid-Flood	Middle	11.8	8:01:00 AM	9.1	8.2	29.0	28.4	3.3	2.5
CE	20220815	Sunny	Moderate	Mid-Flood	Bottom	22.6	8:00:00 AM	9.2	8.2	29.0	28.6	3.6	2.5
CE	20220815	Sunny	Moderate	Mid-Flood	Bottom	22.6	8:00:00 AM	9.2	8.2	28.9	28.4	3.5	2.5
CF	20220815	Sunny	Moderate	Mid-Flood	Surface	1	10:38:00 AM	8.6	8.2	29.2	28.9	3.5	2.5
CF	20220815	Sunny	Moderate	Mid-Flood	Surface	1	10:38:00 AM	8.5	8.3	29.2	29.0	3.4	2.5
CF	20220815	Sunny	Moderate	Mid-Flood	Middle	9.55	10:37:00 AM	8.7	8.2	28.9	29.0	3.5	2.5
CF	20220815	Sunny	Moderate	Mid-Flood	Middle	9.55	10:37:00 AM	8.5	8.3	29.1	28.9	3.6	2.5
CF	20220815	Sunny	Moderate	Mid-Flood	Bottom	18.1	10:36:00 AM	8.6	8.2	29.0	28.9	3.9	3.0
CF	20220815	Sunny	Moderate	Mid-Flood	Bottom	18.1	10:36:00 AM	8.5	8.2	29.0	29.1	3.8	2.5
WSR01	20220815	Sunny	Moderate	Mid-Flood	Surface	1	8:26:00 AM	8.7	8.3	29.5	28.6	3.2	2.5
WSR01	20220815	Sunny	Moderate	Mid-Flood	Surface	1	8:26:00 AM	8.5	8.2	29.3	28.6	2.9	2.5
WSR01	20220815	Sunny	Moderate	Mid-Flood	Middle	4.25	8:25:00 AM	8.6	8.3	29.5	28.6	2.6	2.5
WSR01	20220815	Sunny	Moderate	Mid-Flood	Middle	4.25	8:25:00 AM	8.5	8.3	29.3	28.6	2.5	2.5
WSR01	20220815	Sunny	Moderate	Mid-Flood	Bottom	7.5	8:24:00 AM	8.6	8.3	29.3	28.6	2.5	2.5
WSR01	20220815	Sunny	Moderate	Mid-Flood	Bottom	7.5	8:24:00 AM	8.6	8.3	29.3	28.5	2.2	2.5
WSR02	20220815	Sunny	Moderate	Mid-Flood	Surface	1	8:43:00 AM	9.1	8.3	29.4	28.3	2.1	2.5
WSR02	20220815	Sunny	Moderate	Mid-Flood	Surface	1	8:43:00 AM	9.3	8.3	29.6	28.2	1.9	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR02	20220815	Sunny	Moderate	Mid-Flood	Middle	4.95	8:42:00 AM	9.2	8.3	29.5	28.2	2.0	7.0
WSR02	20220815	Sunny	Moderate	Mid-Flood	Middle	4.95	8:42:00 AM	9.1	8.2	29.6	28.2	1.9	5.0
WSR02	20220815	Sunny	Moderate	Mid-Flood	Bottom	8.9	8:41:00 AM	9.1	8.3	29.5	28.3	2.4	2.5
WSR02	20220815	Sunny	Moderate	Mid-Flood	Bottom	8.9	8:41:00 AM	9.2	8.3	29.5	28.3	2.2	3.0
WSR03	20220815	Sunny	Moderate	Mid-Flood	Surface	1	8:56:00 AM	8.5	8.1	29.1	28.8	2.3	5.0
WSR03	20220815	Sunny	Moderate	Mid-Flood	Surface	1	8:56:00 AM	8.5	8.1	29.3	28.9	2.5	7.0
WSR03	20220815	Sunny	Moderate	Mid-Flood	Middle	3.7	8:55:00 AM	8.4	8.1	29.1	28.8	2.5	5.0
WSR03	20220815	Sunny	Moderate	Mid-Flood	Middle	3.7	8:55:00 AM	8.5	8.2	29.0	28.8	2.2	4.0
WSR03	20220815	Sunny	Moderate	Mid-Flood	Bottom	6.4	8:54:00 AM	8.5	8.1	29.2	28.9	2.3	9.0
WSR03	20220815	Sunny	Moderate	Mid-Flood	Bottom	6.4	8:54:00 AM	8.6	8.1	29.2	28.7	2.4	9.0
WSR04	20220815	Sunny	Moderate	Mid-Flood	Surface	1	9:09:00 AM	9.1	8.2	29.3	28.2	2.4	10.0
WSR04	20220815	Sunny	Moderate	Mid-Flood	Surface	1	9:09:00 AM	9.1	8.2	29.5	28.2	2.3	9.0
WSR04	20220815	Sunny	Moderate	Mid-Flood	Middle	3.6	9:08:00 AM	9.3	8.1	29.3	28.2	2.2	8.0
WSR04	20220815	Sunny	Moderate	Mid-Flood	Middle	3.6	9:08:00 AM	9.2	8.1	29.4	28.3	2.4	9.0
WSR04	20220815	Sunny	Moderate	Mid-Flood	Bottom	6.2	9:07:00 AM	9.3	8.1	29.6	28.2	2.3	2.5
WSR04	20220815	Sunny	Moderate	Mid-Flood	Bottom	6.2	9:07:00 AM	9.2	8.1	29.5	28.2	2.6	4.0
WSR16	20220815	Sunny	Moderate	Mid-Flood	Surface	1	10:16:00 AM	9.0	8.2	29.0	28.9	2.5	4.0
WSR16	20220815	Sunny	Moderate	Mid-Flood	Surface	1	10:16:00 AM	8.9	8.2	29.1	28.9	2.9	3.0
WSR16	20220815	Sunny	Moderate	Mid-Flood	Middle	7.8	10:15:00 AM	9.1	8.2	28.9	28.9	2.8	2.5
WSR16	20220815	Sunny	Moderate	Mid-Flood	Middle	7.8	10:15:00 AM	9.0	8.1	28.9	28.9	2.5	2.5
WSR16	20220815	Sunny	Moderate	Mid-Flood	Bottom	14.6	10:14:00 AM	9.2	8.2	28.9	29.0	2.2	2.5
WSR16	20220815	Sunny	Moderate	Mid-Flood	Bottom	14.6	10:14:00 AM	9.1	8.1	29.0	29.0	2.2	2.5
WSR33	20220815	Sunny	Moderate	Mid-Flood	Surface	1	9:24:00 AM	8.6	8.3	29.1	29.1	2.8	4.0
WSR33	20220815	Sunny	Moderate	Mid-Flood	Surface	1	9:24:00 AM	8.5	8.3	28.9	29.1	2.5	5.0
WSR33	20220815	Sunny	Moderate	Mid-Flood	Middle	3.8	9:23:00 AM	8.4	8.3	28.9	29.0	2.9	2.5
WSR33	20220815	Sunny	Moderate	Mid-Flood	Middle	3.8	9:23:00 AM	8.4	8.3	29.0	28.9	3.0	2.5
WSR33	20220815	Sunny	Moderate	Mid-Flood	Bottom	6.6	9:22:00 AM	8.4	8.3	29.1	28.9	2.7	2.5
WSR33	20220815	Sunny	Moderate	Mid-Flood	Bottom	6.6	9:22:00 AM	8.4	8.3	28.9	29.1	2.4	2.5
WSR36	20220815	Sunny	Moderate	Mid-Flood	Surface	1	9:38:00 AM	8.8	8.2	29.1	28.8	2.7	2.5
WSR36	20220815	Sunny	Moderate	Mid-Flood	Surface	1	9:38:00 AM	8.7	8.3	28.8	28.8	3.0	2.5
WSR36	20220815	Sunny	Moderate	Mid-Flood	Middle	3.4	9:38:00 AM	8.8	8.2	29.0	28.7	2.4	3.0
WSR36	20220815	Sunny	Moderate	Mid-Flood	Middle	3.4	9:38:00 AM	8.7	8.3	29.0	28.8	2.4	3.0
WSR36	20220815	Sunny	Moderate	Mid-Flood	Bottom	5.8	9:37:00 AM	8.7	8.3	28.9	28.8	2.2	2.5
WSR36	20220815	Sunny	Moderate	Mid-Flood	Bottom	5.8	9:37:00 AM	8.8	8.3	28.9	28.8	2.7	2.5
WSR37	20220815	Sunny	Moderate	Mid-Flood	Surface	1	9:53:00 AM	9.0	8.1	29.2	29.0	3.1	2.5
WSR37	20220815	Sunny	Moderate	Mid-Flood	Surface	1	9:53:00 AM	8.9	8.1	29.4	29.0	2.8	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR37	20220815	Sunny	Moderate	Mid-Flood	Middle	4.2	9:52:00 AM	9.1	8.2	29.4	28.9	3.0	2.5
WSR37	20220815	Sunny	Moderate	Mid-Flood	Middle	4.2	9:52:00 AM	9.0	8.1	29.3	29.0	2.8	2.5
WSR37	20220815	Sunny	Moderate	Mid-Flood	Bottom	7.4	9:51:00 AM	9.0	8.2	29.4	29.0	2.5	2.5
WSR37	20220815	Sunny	Moderate	Mid-Flood	Bottom	7.4	9:51:00 AM	9.0	8.1	29.2	29.0	2.2	2.5
CE	20220817	Sunny	Moderate	Mid-Flood	Surface	1	10:35:00 AM	8.9	8.2	32.6	28.5	3.2	2.5
CE	20220817	Sunny	Moderate	Mid-Flood	Surface	1	10:35:00 AM	8.9	8.2	32.6	28.5	3.2	2.5
CE	20220817	Sunny	Moderate	Mid-Flood	Middle	11.25	10:34:00 AM	8.9	8.2	32.6	28.6	3.4	2.5
CE	20220817	Sunny	Moderate	Mid-Flood	Middle	11.25	10:34:00 AM	8.9	8.2	32.8	28.6	3.2	2.5
CE	20220817	Sunny	Moderate	Mid-Flood	Bottom	21.5	10:33:00 AM	8.8	8.2	32.9	28.6	3.6	2.5
CE	20220817	Sunny	Moderate	Mid-Flood	Bottom	21.5	10:33:00 AM	8.9	8.2	32.8	28.6	3.5	2.5
CF	20220817	Sunny	Moderate	Mid-Flood	Surface	1	8:02:00 AM	9.0	8.2	31.7	28.8	3.6	2.5
CF	20220817	Sunny	Moderate	Mid-Flood	Surface	1	8:02:00 AM	9.0	8.2	31.6	28.8	3.5	2.5
CF	20220817	Sunny	Moderate	Mid-Flood	Middle	9.65	8:01:00 AM	9.0	8.1	31.6	28.7	3.9	2.5
CF	20220817	Sunny	Moderate	Mid-Flood	Middle	9.65	8:01:00 AM	9.1	8.2	31.4	28.8	3.7	2.5
CF	20220817	Sunny	Moderate	Mid-Flood	Bottom	18.3	8:00:00 AM	9.0	8.2	31.5	28.7	3.9	2.5
CF	20220817	Sunny	Moderate	Mid-Flood	Bottom	18.3	8:00:00 AM	9.1	8.1	31.7	28.7	4.1	2.5
WSR01	20220817	Sunny	Moderate	Mid-Flood	Surface	1	8:26:00 AM	8.7	8.1	31.9	28.9	2.3	2.5
WSR01	20220817	Sunny	Moderate	Mid-Flood	Surface	1	8:26:00 AM	8.6	8.2	31.9	29.1	2.6	2.5
WSR01	20220817	Sunny	Moderate	Mid-Flood	Middle	4.5	8:25:00 AM	8.6	8.1	32.1	29.0	2.5	2.5
WSR01	20220817	Sunny	Moderate	Mid-Flood	Middle	4.5	8:25:00 AM	8.6	8.1	31.9	29.0	2.7	2.5
WSR01	20220817	Sunny	Moderate	Mid-Flood	Bottom	8	8:24:00 AM	8.7	8.1	32.0	29.0	2.2	2.5
WSR01	20220817	Sunny	Moderate	Mid-Flood	Bottom	8	8:24:00 AM	8.7	8.1	32.1	29.0	2.2	2.5
WSR02	20220817	Sunny	Moderate	Mid-Flood	Surface	1	8:43:00 AM	8.9	8.2	32.5	28.9	2.2	2.5
WSR02	20220817	Sunny	Moderate	Mid-Flood	Surface	1	8:43:00 AM	8.7	8.2	32.4	28.9	2.1	2.5
WSR02	20220817	Sunny	Moderate	Mid-Flood	Middle	4.85	8:42:00 AM	8.9	8.2	32.3	28.9	2.2	5.0
WSR02	20220817	Sunny	Moderate	Mid-Flood	Middle	4.85	8:42:00 AM	8.7	8.2	32.7	28.9	2.3	6.0
WSR02	20220817	Sunny	Moderate	Mid-Flood	Bottom	8.7	8:41:00 AM	8.8	8.2	32.4	28.9	2.6	2.5
WSR02	20220817	Sunny	Moderate	Mid-Flood	Bottom	8.7	8:41:00 AM	8.9	8.2	32.4	29.0	2.4	2.5
WSR03	20220817	Sunny	Moderate	Mid-Flood	Surface	1	8:57:00 AM	8.1	8.2	31.5	29.3	2.3	5.0
WSR03	20220817	Sunny	Moderate	Mid-Flood	Surface	1	8:57:00 AM	8.2	8.2	31.8	29.3	2.4	3.0
WSR03	20220817	Sunny	Moderate	Mid-Flood	Middle	4.25	8:56:00 AM	8.0	8.2	31.4	29.3	2.4	2.5
WSR03	20220817	Sunny	Moderate	Mid-Flood	Middle	4.25	8:56:00 AM	8.1	8.2	31.5	29.3	2.5	3.0
WSR03	20220817	Sunny	Moderate	Mid-Flood	Bottom	7.5	8:55:00 AM	8.1	8.2	31.4	29.3	2.9	8.0
WSR03	20220817	Sunny	Moderate	Mid-Flood	Bottom	7.5	8:55:00 AM	8.2	8.2	31.7	29.2	2.6	6.0
WSR04	20220817	Sunny	Moderate	Mid-Flood	Surface	1	9:10:00 AM	9.0	8.1	32.1	28.6	2.4	3.0
WSR04	20220817	Sunny	Moderate	Mid-Flood	Surface	1	9:10:00 AM	9.1	8.2	32.0	28.5	2.8	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR04	20220817	Sunny	Moderate	Mid-Flood	Middle	3.4	9:09:00 AM	9.0	8.2	32.3	28.6	2.1	3.0
WSR04	20220817	Sunny	Moderate	Mid-Flood	Middle	3.4	9:09:00 AM	9.0	8.2	31.9	28.6	2.5	2.5
WSR04	20220817	Sunny	Moderate	Mid-Flood	Bottom	5.8	9:08:00 AM	9.1	8.2	32.0	28.5	2.3	2.5
WSR04	20220817	Sunny	Moderate	Mid-Flood	Bottom	5.8	9:08:00 AM	9.0	8.2	32.1	28.6	2.2	2.5
WSR16	20220817	Sunny	Moderate	Mid-Flood	Surface	1	10:12:00 AM	9.1	8.1	31.8	28.9	3.0	2.5
WSR16	20220817	Sunny	Moderate	Mid-Flood	Surface	1	10:12:00 AM	9.1	8.1	31.6	29.0	2.8	2.5
WSR16	20220817	Sunny	Moderate	Mid-Flood	Middle	8.1	10:11:00 AM	9.1	8.1	31.8	28.8	2.6	2.5
WSR16	20220817	Sunny	Moderate	Mid-Flood	Middle	8.1	10:11:00 AM	9.1	8.0	31.5	28.9	2.3	2.5
WSR16	20220817	Sunny	Moderate	Mid-Flood	Bottom	15.2	10:10:00 AM	9.0	8.0	31.9	28.9	2.2	2.5
WSR16	20220817	Sunny	Moderate	Mid-Flood	Bottom	15.2	10:10:00 AM	9.1	8.0	31.7	28.9	2.4	2.5
WSR33	20220817	Sunny	Moderate	Mid-Flood	Surface	1	9:24:00 AM	8.6	8.0	32.0	29.2	3.0	2.5
WSR33	20220817	Sunny	Moderate	Mid-Flood	Surface	1	9:24:00 AM	8.6	8.0	32.2	29.1	2.9	3.0
WSR33	20220817	Sunny	Moderate	Mid-Flood	Middle	3.8	9:23:00 AM	8.7	8.1	32.2	29.1	2.5	6.0
WSR33	20220817	Sunny	Moderate	Mid-Flood	Middle	3.8	9:23:00 AM	8.7	8.0	32.3	29.1	2.6	5.0
WSR33	20220817	Sunny	Moderate	Mid-Flood	Bottom	6.6	9:22:00 AM	8.7	8.0	32.2	29.2	2.2	5.0
WSR33	20220817	Sunny	Moderate	Mid-Flood	Bottom	6.6	9:22:00 AM	8.7	8.0	32.3	29.2	2.6	2.5
WSR36	20220817	Sunny	Moderate	Mid-Flood	Surface	1	9:36:00 AM	8.9	8.1	32.3	28.8	2.9	2.5
WSR36	20220817	Sunny	Moderate	Mid-Flood	Surface	1	9:36:00 AM	8.9	8.0	32.3	28.8	3.1	2.5
WSR36	20220817	Sunny	Moderate	Mid-Flood	Middle	3.65	9:36:00 AM	8.9	8.0	32.2	28.7	2.7	2.5
WSR36	20220817	Sunny	Moderate	Mid-Flood	Middle	3.65	9:36:00 AM	9.0	8.1	32.4	28.8	2.4	2.5
WSR36	20220817	Sunny	Moderate	Mid-Flood	Bottom	6.3	9:35:00 AM	8.9	8.0	32.2	28.7	2.0	2.5
WSR36	20220817	Sunny	Moderate	Mid-Flood	Bottom	6.3	9:35:00 AM	9.0	8.1	32.2	28.8	2.3	4.0
WSR37	20220817	Sunny	Moderate	Mid-Flood	Surface	1	9:50:00 AM	8.6	8.0	31.8	29.3	2.9	2.5
WSR37	20220817	Sunny	Moderate	Mid-Flood	Surface	1	9:50:00 AM	8.7	8.0	31.8	29.4	3.1	2.5
WSR37	20220817	Sunny	Moderate	Mid-Flood	Middle	4.15	9:49:00 AM	8.7	8.1	31.6	29.3	3.0	2.5
WSR37	20220817	Sunny	Moderate	Mid-Flood	Middle	4.15	9:49:00 AM	8.5	8.1	31.6	29.4	2.8	2.5
WSR37	20220817	Sunny	Moderate	Mid-Flood	Bottom	7.3	9:48:00 AM	8.5	8.0	31.8	29.2	2.8	2.5
WSR37	20220817	Sunny	Moderate	Mid-Flood	Bottom	7.3	9:48:00 AM	8.7	8.1	31.7	29.4	3.1	2.5
CE	20220821	Sunny	Moderate	Mid-Flood	Surface	1	7:06:00 PM	8.7	8.2	31.3	29.5	3.1	2.5
CE	20220821	Sunny	Moderate	Mid-Flood	Surface	1	7:06:00 PM	8.8	8.2	31.4	29.5	2.8	2.5
CE	20220821	Sunny	Moderate	Mid-Flood	Middle	10.9	7:05:00 PM	8.9	8.2	31.3	29.4	3.5	2.5
CE	20220821	Sunny	Moderate	Mid-Flood	Middle	10.9	7:05:00 PM	8.8	8.2	31.4	29.5	3.3	2.5
CE	20220821	Sunny	Moderate	Mid-Flood	Bottom	20.8	7:04:00 PM	8.7	8.2	31.4	29.5	3.4	2.5
CE	20220821	Sunny	Moderate	Mid-Flood	Bottom	20.8	7:04:00 PM	8.7	8.2	31.3	29.5	3.4	2.5
CF	20220821	Sunny	Moderate	Mid-Flood	Surface	1	4:39:00 PM	8.2	8.3	30.9	29.8	3.4	2.5
CF	20220821	Sunny	Moderate	Mid-Flood	Surface	1	4:39:00 PM	8.2	8.3	30.9	29.8	3.2	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
CF	20220821	Sunny	Moderate	Mid-Flood	Middle	10.2	4:38:00 PM	8.2	8.2	30.9	29.9	3.7	2.5
CF	20220821	Sunny	Moderate	Mid-Flood	Middle	10.2	4:38:00 PM	8.4	8.2	31.0	29.9	3.8	2.5
CF	20220821	Sunny	Moderate	Mid-Flood	Bottom	19.4	4:37:00 PM	8.4	8.2	31.0	29.8	3.9	2.5
CF	20220821	Sunny	Moderate	Mid-Flood	Bottom	19.4	4:37:00 PM	8.5	8.3	31.1	29.8	4.0	2.5
WSR01	20220821	Sunny	Moderate	Mid-Flood	Surface	1	5:00:00 PM	8.6	8.2	30.4	30.1	2.4	2.5
WSR01	20220821	Sunny	Moderate	Mid-Flood	Surface	1	5:00:00 PM	8.5	8.2	30.6	30.0	2.7	2.5
WSR01	20220821	Sunny	Moderate	Mid-Flood	Middle	4.4	4:59:00 PM	8.6	8.2	30.5	30.1	2.2	2.5
WSR01	20220821	Sunny	Moderate	Mid-Flood	Middle	4.4	4:59:00 PM	8.6	8.2	30.5	30.1	2.4	2.5
WSR01	20220821	Sunny	Moderate	Mid-Flood	Bottom	7.8	4:58:00 PM	8.6	8.2	30.4	29.9	2.7	2.5
WSR01	20220821	Sunny	Moderate	Mid-Flood	Bottom	7.8	4:58:00 PM	8.6	8.2	30.6	30.0	2.5	2.5
WSR02	20220821	Sunny	Moderate	Mid-Flood	Surface	1	5:17:00 PM	8.5	8.2	30.8	29.4	2.2	2.5
WSR02	20220821	Sunny	Moderate	Mid-Flood	Surface	1	5:17:00 PM	8.5	8.2	30.6	29.4	2.1	2.5
WSR02	20220821	Sunny	Moderate	Mid-Flood	Middle	4.85	5:16:00 PM	8.6	8.2	30.7	29.3	2.1	2.5
WSR02	20220821	Sunny	Moderate	Mid-Flood	Middle	4.85	5:16:00 PM	8.6	8.2	30.7	29.3	1.9	4.0
WSR02	20220821	Sunny	Moderate	Mid-Flood	Bottom	8.7	5:15:00 PM	8.7	8.2	30.6	29.5	2.2	2.5
WSR02	20220821	Sunny	Moderate	Mid-Flood	Bottom	8.7	5:15:00 PM	8.5	8.2	30.6	29.4	2.4	2.5
WSR03	20220821	Sunny	Moderate	Mid-Flood	Surface	1	5:29:00 PM	9.2	8.3	31.0	29.9	2.6	2.5
WSR03	20220821	Sunny	Moderate	Mid-Flood	Surface	1	5:29:00 PM	9.0	8.2	31.2	30.0	3.0	2.5
WSR03	20220821	Sunny	Moderate	Mid-Flood	Middle	3.75	5:28:00 PM	9.1	8.3	31.0	30.1	2.5	2.5
WSR03	20220821	Sunny	Moderate	Mid-Flood	Middle	3.75	5:28:00 PM	9.0	8.2	31.1	30.1	2.2	2.5
WSR03	20220821	Sunny	Moderate	Mid-Flood	Bottom	6.5	5:27:00 PM	9.0	8.3	31.0	30.1	2.6	2.5
WSR03	20220821	Sunny	Moderate	Mid-Flood	Bottom	6.5	5:27:00 PM	9.2	8.2	31.2	30.0	2.7	2.5
WSR04	20220821	Sunny	Moderate	Mid-Flood	Surface	1	5:42:00 PM	8.3	8.2	31.4	29.3	3.0	2.5
WSR04	20220821	Sunny	Moderate	Mid-Flood	Surface	1	5:42:00 PM	8.4	8.2	31.3	29.4	2.7	2.5
WSR04	20220821	Sunny	Moderate	Mid-Flood	Middle	3.65	5:41:00 PM	8.4	8.2	31.3	29.3	2.6	2.5
WSR04	20220821	Sunny	Moderate	Mid-Flood	Middle	3.65	5:41:00 PM	8.5	8.2	31.3	29.4	2.3	2.5
WSR04	20220821	Sunny	Moderate	Mid-Flood	Bottom	6.3	5:40:00 PM	8.2	8.2	31.3	29.5	2.3	2.5
WSR04	20220821	Sunny	Moderate	Mid-Flood	Bottom	6.3	5:40:00 PM	8.3	8.2	31.3	29.3	2.5	2.5
WSR16	20220821	Sunny	Moderate	Mid-Flood	Surface	1	6:44:00 PM	8.7	8.2	30.6	29.2	2.4	2.5
WSR16	20220821	Sunny	Moderate	Mid-Flood	Surface	1	6:44:00 PM	8.6	8.2	30.5	29.4	2.3	2.5
WSR16	20220821	Sunny	Moderate	Mid-Flood	Middle	8.05	6:43:00 PM	8.8	8.2	30.6	29.2	2.6	2.5
WSR16	20220821	Sunny	Moderate	Mid-Flood	Middle	8.05	6:43:00 PM	8.7	8.2	30.4	29.3	2.5	2.5
WSR16	20220821	Sunny	Moderate	Mid-Flood	Bottom	15.1	6:42:00 PM	8.7	8.2	30.6	29.5	2.6	2.5
WSR16	20220821	Sunny	Moderate	Mid-Flood	Bottom	15.1	6:42:00 PM	8.8	8.2	30.6	29.5	2.8	2.5
WSR33	20220821	Sunny	Moderate	Mid-Flood	Surface	1	5:56:00 PM	8.3	8.3	30.6	29.4	3.3	2.5
WSR33	20220821	Sunny	Moderate	Mid-Flood	Surface	1	5:56:00 PM	8.3	8.3	30.7	29.3	3.3	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR33	20220821	Sunny	Moderate	Mid-Flood	Middle	3.75	5:55:00 PM	8.3	8.3	30.8	29.4	2.6	2.5
WSR33	20220821	Sunny	Moderate	Mid-Flood	Middle	3.75	5:55:00 PM	8.4	8.3	30.8	29.2	2.4	2.5
WSR33	20220821	Sunny	Moderate	Mid-Flood	Bottom	6.5	5:54:00 PM	8.3	8.3	30.7	29.3	2.8	2.5
WSR33	20220821	Sunny	Moderate	Mid-Flood	Bottom	6.5	5:54:00 PM	8.4	8.2	30.7	29.5	2.6	2.5
WSR36	20220821	Sunny	Moderate	Mid-Flood	Surface	1	6:09:00 PM	8.6	8.2	30.5	29.7	2.8	2.5
WSR36	20220821	Sunny	Moderate	Mid-Flood	Surface	1	6:09:00 PM	8.4	8.2	30.5	29.5	2.5	2.5
WSR36	20220821	Sunny	Moderate	Mid-Flood	Middle	3.35	6:09:00 PM	8.4	8.2	30.4	29.4	2.8	2.5
WSR36	20220821	Sunny	Moderate	Mid-Flood	Middle	3.35	6:09:00 PM	8.5	8.2	30.3	29.7	2.9	2.5
WSR36	20220821	Sunny	Moderate	Mid-Flood	Bottom	5.7	6:08:00 PM	8.5	8.2	30.3	29.6	3.2	2.5
WSR36	20220821	Sunny	Moderate	Mid-Flood	Bottom	5.7	6:08:00 PM	8.5	8.2	30.3	29.5	3.4	2.5
WSR37	20220821	Sunny	Moderate	Mid-Flood	Surface	1	6:23:00 PM	8.7	8.2	30.8	30.0	2.3	2.5
WSR37	20220821	Sunny	Moderate	Mid-Flood	Surface	1	6:23:00 PM	8.8	8.2	30.8	30.0	2.4	2.5
WSR37	20220821	Sunny	Moderate	Mid-Flood	Middle	4.2	6:22:00 PM	8.9	8.2	30.7	30.1	2.7	2.5
WSR37	20220821	Sunny	Moderate	Mid-Flood	Middle	4.2	6:22:00 PM	8.8	8.2	30.9	29.9	2.5	2.5
WSR37	20220821	Sunny	Moderate	Mid-Flood	Bottom	7.4	6:21:00 PM	8.7	8.2	30.9	29.9	2.9	2.5
WSR37	20220821	Sunny	Moderate	Mid-Flood	Bottom	7.4	6:21:00 PM	8.9	8.2	30.9	30.1	2.9	2.5
CE	20220823	Sunny	Moderate	Mid-Flood	Surface	1	6:16:00 PM	8.5	8.2	31.1	29.3	3.1	2.5
CE	20220823	Sunny	Moderate	Mid-Flood	Surface	1	6:16:00 PM	8.7	8.2	31.3	29.2	3.2	2.5
CE	20220823	Sunny	Moderate	Mid-Flood	Middle	11.25	6:15:00 PM	8.5	8.3	31.3	29.2	3.3	2.5
CE	20220823	Sunny	Moderate	Mid-Flood	Middle	11.25	6:15:00 PM	8.5	8.3	31.3	29.2	3.3	2.5
CE	20220823	Sunny	Moderate	Mid-Flood	Bottom	21.5	6:14:00 PM	8.6	8.2	31.3	29.3	3.7	2.5
CE	20220823	Sunny	Moderate	Mid-Flood	Bottom	21.5	6:14:00 PM	8.7	8.2	31.1	29.2	3.5	2.5
CF	20220823	Sunny	Moderate	Mid-Flood	Surface	1	3:50:00 PM	8.6	8.1	31.6	29.0	3.4	2.5
CF	20220823	Sunny	Moderate	Mid-Flood	Surface	1	3:50:00 PM	8.5	8.1	31.6	29.1	3.5	2.5
CF	20220823	Sunny	Moderate	Mid-Flood	Middle	9.6	3:49:00 PM	8.6	8.1	31.6	29.1	3.6	2.5
CF	20220823	Sunny	Moderate	Mid-Flood	Middle	9.6	3:49:00 PM	8.5	8.2	31.6	29.0	3.7	2.5
CF	20220823	Sunny	Moderate	Mid-Flood	Bottom	18.2	3:48:00 PM	8.4	8.2	31.7	29.0	4.0	2.5
CF	20220823	Sunny	Moderate	Mid-Flood	Bottom	18.2	3:48:00 PM	8.4	8.1	31.7	29.1	3.9	2.5
WSR01	20220823	Sunny	Moderate	Mid-Flood	Surface	1	4:13:00 PM	9.2	8.2	31.0	29.3	2.3	2.5
WSR01	20220823	Sunny	Moderate	Mid-Flood	Surface	1	4:13:00 PM	9.3	8.2	31.0	29.2	2.2	3.0
WSR01	20220823	Sunny	Moderate	Mid-Flood	Middle	4.75	4:12:00 PM	9.2	8.2	31.1	29.2	2.4	2.5
WSR01	20220823	Sunny	Moderate	Mid-Flood	Middle	4.75	4:12:00 PM	9.1	8.3	31.1	29.2	2.5	2.5
WSR01	20220823	Sunny	Moderate	Mid-Flood	Bottom	8.5	4:11:00 PM	9.1	8.2	31.2	29.2	2.8	2.5
WSR01	20220823	Sunny	Moderate	Mid-Flood	Bottom	8.5	4:11:00 PM	9.1	8.2	31.1	29.2	2.8	2.5
WSR02	20220823	Sunny	Moderate	Mid-Flood	Surface	1	4:30:00 PM	8.8	8.1	30.5	29.6	2.0	2.5
WSR02	20220823	Sunny	Moderate	Mid-Flood	Surface	1	4:30:00 PM	8.9	8.2	30.7	29.6	1.8	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR02	20220823	Sunny	Moderate	Mid-Flood	Middle	4.5	4:29:00 PM	8.8	8.1	30.7	29.6	2.1	2.5
WSR02	20220823	Sunny	Moderate	Mid-Flood	Middle	4.5	4:29:00 PM	8.8	8.1	30.5	29.6	2.2	2.5
WSR02	20220823	Sunny	Moderate	Mid-Flood	Bottom	8	4:28:00 PM	8.9	8.1	30.6	29.7	2.2	2.5
WSR02	20220823	Sunny	Moderate	Mid-Flood	Bottom	8	4:28:00 PM	8.8	8.1	30.6	29.6	2.1	2.5
WSR03	20220823	Sunny	Moderate	Mid-Flood	Surface	1	4:42:00 PM	8.5	8.2	31.4	28.9	2.8	2.5
WSR03	20220823	Sunny	Moderate	Mid-Flood	Surface	1	4:42:00 PM	8.6	8.2	31.4	28.9	2.7	2.5
WSR03	20220823	Sunny	Moderate	Mid-Flood	Middle	4.25	4:41:00 PM	8.5	8.3	31.4	28.9	2.9	2.5
WSR03	20220823	Sunny	Moderate	Mid-Flood	Middle	4.25	4:41:00 PM	8.5	8.3	31.3	28.9	2.4	2.5
WSR03	20220823	Sunny	Moderate	Mid-Flood	Bottom	7.5	4:40:00 PM	8.5	8.2	31.4	28.9	2.6	2.5
WSR03	20220823	Sunny	Moderate	Mid-Flood	Bottom	7.5	4:40:00 PM	8.4	8.2	31.4	28.9	2.6	2.5
WSR04	20220823	Sunny	Moderate	Mid-Flood	Surface	1	4:54:00 PM	8.2	8.1	31.4	29.0	2.9	2.5
WSR04	20220823	Sunny	Moderate	Mid-Flood	Surface	1	4:54:00 PM	8.3	8.1	31.6	28.9	2.8	2.5
WSR04	20220823	Sunny	Moderate	Mid-Flood	Middle	3.5	4:53:00 PM	8.2	8.1	31.5	29.0	2.3	2.5
WSR04	20220823	Sunny	Moderate	Mid-Flood	Middle	3.5	4:53:00 PM	8.2	8.1	31.5	29.0	2.3	2.5
WSR04	20220823	Sunny	Moderate	Mid-Flood	Bottom	6	4:52:00 PM	8.2	8.1	31.6	29.0	2.6	2.5
WSR04	20220823	Sunny	Moderate	Mid-Flood	Bottom	6	4:52:00 PM	8.3	8.1	31.5	29.0	2.6	2.5
WSR16	20220823	Sunny	Moderate	Mid-Flood	Surface	1	5:54:00 PM	9.1	8.2	31.1	29.5	2.5	2.5
WSR16	20220823	Sunny	Moderate	Mid-Flood	Surface	1	5:54:00 PM	9.0	8.3	30.9	29.5	2.9	2.5
WSR16	20220823	Sunny	Moderate	Mid-Flood	Middle	8.25	5:53:00 PM	9.1	8.2	31.1	29.6	2.2	2.5
WSR16	20220823	Sunny	Moderate	Mid-Flood	Middle	8.25	5:53:00 PM	9.1	8.2	30.9	29.5	2.4	2.5
WSR16	20220823	Sunny	Moderate	Mid-Flood	Bottom	15.5	5:52:00 PM	9.1	8.2	31.0	29.6	2.1	2.5
WSR16	20220823	Sunny	Moderate	Mid-Flood	Bottom	15.5	5:52:00 PM	9.0	8.2	30.9	29.6	2.3	2.5
WSR33	20220823	Sunny	Moderate	Mid-Flood	Surface	1	5:07:00 PM	8.6	8.2	30.6	29.4	2.8	2.5
WSR33	20220823	Sunny	Moderate	Mid-Flood	Surface	1	5:07:00 PM	8.6	8.1	30.6	29.4	2.6	2.5
WSR33	20220823	Sunny	Moderate	Mid-Flood	Middle	3.85	5:06:00 PM	8.7	8.2	30.6	29.4	2.1	2.5
WSR33	20220823	Sunny	Moderate	Mid-Flood	Middle	3.85	5:06:00 PM	8.6	8.1	30.6	29.4	2.4	2.5
WSR33	20220823	Sunny	Moderate	Mid-Flood	Bottom	6.7	5:05:00 PM	8.6	8.1	30.6	29.3	2.4	2.5
WSR33	20220823	Sunny	Moderate	Mid-Flood	Bottom	6.7	5:05:00 PM	8.7	8.2	30.7	29.4	2.2	2.5
WSR36	20220823	Sunny	Moderate	Mid-Flood	Surface	1	5:19:00 PM	8.9	8.2	31.5	28.9	2.8	2.5
WSR36	20220823	Sunny	Moderate	Mid-Flood	Surface	1	5:19:00 PM	8.9	8.1	31.6	28.9	2.4	2.5
WSR36	20220823	Sunny	Moderate	Mid-Flood	Middle	3.65	5:19:00 PM	8.9	8.2	31.8	28.9	2.4	2.5
WSR36	20220823	Sunny	Moderate	Mid-Flood	Middle	3.65	5:19:00 PM	9.0	8.2	31.6	28.8	2.2	2.5
WSR36	20220823	Sunny	Moderate	Mid-Flood	Bottom	6.3	5:18:00 PM	9.0	8.2	31.6	28.9	2.4	2.5
WSR36	20220823	Sunny	Moderate	Mid-Flood	Bottom	6.3	5:18:00 PM	9.1	8.2	31.8	28.8	2.4	2.5
WSR37	20220823	Sunny	Moderate	Mid-Flood	Surface	1	5:33:00 PM	9.3	8.1	31.1	28.8	2.8	2.5
WSR37	20220823	Sunny	Moderate	Mid-Flood	Surface	1	5:33:00 PM	9.2	8.1	31.0	28.9	3.0	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR37	20220823	Sunny	Moderate	Mid-Flood	Middle	4.25	5:32:00 PM	9.1	8.1	31.1	28.8	2.2	2.5
WSR37	20220823	Sunny	Moderate	Mid-Flood	Middle	4.25	5:32:00 PM	9.2	8.2	31.2	28.9	2.1	2.5
WSR37	20220823	Sunny	Moderate	Mid-Flood	Bottom	7.5	5:31:00 PM	9.2	8.1	31.0	28.9	2.4	2.5
WSR37	20220823	Sunny	Moderate	Mid-Flood	Bottom	7.5	5:31:00 PM	9.2	8.1	31.2	28.8	2.5	2.5
CE	20220827	Sunny	Moderate	Mid-Flood	Surface	1	6:57:00 PM	9.2	8.2	30.5	28.5	2.9	2.5
CE	20220827	Sunny	Moderate	Mid-Flood	Surface	1	6:57:00 PM	9.2	8.2	30.1	28.4	2.8	2.5
CE	20220827	Sunny	Moderate	Mid-Flood	Middle	11.6	6:56:00 PM	8.9	8.2	30.4	28.4	3.1	2.5
CE	20220827	Sunny	Moderate	Mid-Flood	Middle	11.6	6:56:00 PM	9.2	8.2	30.5	28.4	2.9	2.5
CE	20220827	Sunny	Moderate	Mid-Flood	Bottom	22.2	6:55:00 PM	8.9	8.1	30.4	28.4	3.2	2.5
CE	20220827	Sunny	Moderate	Mid-Flood	Bottom	22.2	6:55:00 PM	8.9	8.1	30.3	28.4	3.2	4.0
CF	20220827	Sunny	Moderate	Mid-Flood	Surface	1	4:23:00 PM	8.8	8.0	30.0	28.9	3.0	3.0
CF	20220827	Sunny	Moderate	Mid-Flood	Surface	1	4:23:00 PM	8.8	8.0	30.2	28.9	3.1	3.0
CF	20220827	Sunny	Moderate	Mid-Flood	Middle	10.2	4:22:00 PM	9.0	8.0	30.1	28.8	3.4	2.5
CF	20220827	Sunny	Moderate	Mid-Flood	Middle	10.2	4:22:00 PM	8.9	8.0	30.2	28.9	3.2	2.5
CF	20220827	Sunny	Moderate	Mid-Flood	Bottom	19.4	4:21:00 PM	8.8	8.0	30.1	28.8	4.0	3.0
CF	20220827	Sunny	Moderate	Mid-Flood	Bottom	19.4	4:21:00 PM	8.9	8.1	30.1	28.8	3.5	2.5
WSR01	20220827	Sunny	Moderate	Mid-Flood	Surface	1	4:47:00 PM	9.6	8.0	31.7	28.7	2.2	2.5
WSR01	20220827	Sunny	Moderate	Mid-Flood	Surface	1	4:47:00 PM	9.7	8.0	31.2	28.7	2.4	2.5
WSR01	20220827	Sunny	Moderate	Mid-Flood	Middle	4.4	4:46:00 PM	9.7	8.0	31.5	28.7	2.5	4.0
WSR01	20220827	Sunny	Moderate	Mid-Flood	Middle	4.4	4:46:00 PM	9.7	8.0	31.6	28.7	2.1	4.0
WSR01	20220827	Sunny	Moderate	Mid-Flood	Bottom	7.8	4:45:00 PM	9.8	8.0	31.3	28.6	2.4	3.0
WSR01	20220827	Sunny	Moderate	Mid-Flood	Bottom	7.8	4:45:00 PM	9.7	8.1	31.6	28.7	2.0	2.5
WSR02	20220827	Sunny	Moderate	Mid-Flood	Surface	1	5:04:00 PM	9.1	8.2	30.1	29.3	2.0	2.5
WSR02	20220827	Sunny	Moderate	Mid-Flood	Surface	1	5:04:00 PM	9.2	8.2	30.2	29.1	2.1	2.5
WSR02	20220827	Sunny	Moderate	Mid-Flood	Middle	4.65	5:03:00 PM	9.0	8.2	30.3	29.1	2.0	2.5
WSR02	20220827	Sunny	Moderate	Mid-Flood	Middle	4.65	5:03:00 PM	9.2	8.1	30.4	29.1	2.0	2.5
WSR02	20220827	Sunny	Moderate	Mid-Flood	Bottom	8.3	5:02:00 PM	9.1	8.2	30.5	29.0	2.2	3.0
WSR02	20220827	Sunny	Moderate	Mid-Flood	Bottom	8.3	5:02:00 PM	9.2	8.1	30.5	29.0	2.2	3.0
WSR03	20220827	Sunny	Moderate	Mid-Flood	Surface	1	5:18:00 PM	9.7	8.2	31.6	29.1	3.1	3.0
WSR03	20220827	Sunny	Moderate	Mid-Flood	Surface	1	5:18:00 PM	10.0	8.2	31.5	29.2	3.1	2.5
WSR03	20220827	Sunny	Moderate	Mid-Flood	Middle	4	5:17:00 PM	9.8	8.2	31.4	29.2	2.9	4.0
WSR03	20220827	Sunny	Moderate	Mid-Flood	Middle	4	5:17:00 PM	9.9	8.2	31.3	29.1	2.9	2.5
WSR03	20220827	Sunny	Moderate	Mid-Flood	Bottom	7	5:16:00 PM	9.8	8.2	31.2	29.1	2.8	2.5
WSR03	20220827	Sunny	Moderate	Mid-Flood	Bottom	7	5:16:00 PM	9.7	8.2	31.1	29.1	2.6	3.0
WSR04	20220827	Sunny	Moderate	Mid-Flood	Surface	1	5:30:00 PM	9.2	8.2	30.6	28.9	2.7	2.5
WSR04	20220827	Sunny	Moderate	Mid-Flood	Surface	1	5:30:00 PM	9.2	8.2	30.4	29.0	3.0	4.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR04	20220827	Sunny	Moderate	Mid-Flood	Middle	3.55	5:29:00 PM	9.1	8.2	30.4	28.9	2.5	2.5
WSR04	20220827	Sunny	Moderate	Mid-Flood	Middle	3.55	5:29:00 PM	9.2	8.2	30.3	28.9	2.6	2.5
WSR04	20220827	Sunny	Moderate	Mid-Flood	Bottom	6.1	5:28:00 PM	9.1	8.1	30.5	29.0	2.0	2.5
WSR04	20220827	Sunny	Moderate	Mid-Flood	Bottom	6.1	5:28:00 PM	9.1	8.1	30.3	28.9	2.0	4.0
WSR16	20220827	Sunny	Moderate	Mid-Flood	Surface	1	6:33:00 PM	9.7	8.2	31.2	29.1	2.1	2.5
WSR16	20220827	Sunny	Moderate	Mid-Flood	Surface	1	6:33:00 PM	9.8	8.2	31.0	29.2	2.3	2.5
WSR16	20220827	Sunny	Moderate	Mid-Flood	Middle	7.85	6:32:00 PM	9.7	8.1	31.3	29.1	2.2	3.0
WSR16	20220827	Sunny	Moderate	Mid-Flood	Middle	7.85	6:32:00 PM	9.8	8.2	31.1	29.1	2.0	2.5
WSR16	20220827	Sunny	Moderate	Mid-Flood	Bottom	14.7	6:31:00 PM	9.6	8.2	30.9	29.1	2.3	3.0
WSR16	20220827	Sunny	Moderate	Mid-Flood	Bottom	14.7	6:31:00 PM	9.9	8.2	31.0	29.1	2.3	2.5
WSR33	20220827	Sunny	Moderate	Mid-Flood	Surface	1	5:43:00 PM	9.3	8.1	30.2	29.2	2.3	3.0
WSR33	20220827	Sunny	Moderate	Mid-Flood	Surface	1	5:43:00 PM	9.3	8.1	30.4	29.1	2.1	5.0
WSR33	20220827	Sunny	Moderate	Mid-Flood	Middle	3.65	5:42:00 PM	9.5	8.2	30.7	29.1	2.3	5.0
WSR33	20220827	Sunny	Moderate	Mid-Flood	Middle	3.65	5:42:00 PM	9.3	8.2	30.7	29.2	2.2	4.0
WSR33	20220827	Sunny	Moderate	Mid-Flood	Bottom	6.3	5:41:00 PM	9.5	8.2	30.5	29.2	2.7	5.0
WSR33	20220827	Sunny	Moderate	Mid-Flood	Bottom	6.3	5:41:00 PM	9.5	8.2	30.6	29.2	2.6	6.0
WSR36	20220827	Sunny	Moderate	Mid-Flood	Surface	1	5:56:00 PM	9.4	8.2	31.3	28.9	2.6	2.5
WSR36	20220827	Sunny	Moderate	Mid-Flood	Surface	1	5:56:00 PM	9.5	8.2	30.9	29.0	2.7	2.5
WSR36	20220827	Sunny	Moderate	Mid-Flood	Middle	3.45	5:56:00 PM	9.6	8.2	31.0	28.9	2.6	2.5
WSR36	20220827	Sunny	Moderate	Mid-Flood	Middle	3.45	5:56:00 PM	9.6	8.2	31.0	29.0	2.6	4.0
WSR36	20220827	Sunny	Moderate	Mid-Flood	Bottom	5.9	5:55:00 PM	9.4	8.2	31.3	28.9	2.1	2.5
WSR36	20220827	Sunny	Moderate	Mid-Flood	Bottom	5.9	5:55:00 PM	9.5	8.2	31.2	29.0	2.0	3.0
WSR37	20220827	Sunny	Moderate	Mid-Flood	Surface	1	6:11:00 PM	9.0	8.0	31.1	29.2	2.3	4.0
WSR37	20220827	Sunny	Moderate	Mid-Flood	Surface	1	6:11:00 PM	9.2	8.0	30.9	29.1	2.1	5.0
WSR37	20220827	Sunny	Moderate	Mid-Flood	Middle	4.1	6:10:00 PM	9.3	8.0	31.4	29.2	2.4	5.0
WSR37	20220827	Sunny	Moderate	Mid-Flood	Middle	4.1	6:10:00 PM	9.2	8.0	30.9	29.2	2.3	4.0
WSR37	20220827	Sunny	Moderate	Mid-Flood	Bottom	7.2	6:09:00 PM	9.1	8.0	31.0	29.0	2.1	3.0
WSR37	20220827	Sunny	Moderate	Mid-Flood	Bottom	7.2	6:09:00 PM	9.1	8.1	30.9	29.2	2.1	2.5
CE	20220830	Sunny	Moderate	Mid-Flood	Surface	1	10:34:00 AM	9.0	8.2	30.7	28.8	3.0	2.5
CE	20220830	Sunny	Moderate	Mid-Flood	Surface	1	10:34:00 AM	9.0	8.2	31.1	28.7	3.2	4.0
CE	20220830	Sunny	Moderate	Mid-Flood	Middle	11.05	10:33:00 AM	9.3	8.2	30.8	28.7	3.3	2.5
CE	20220830	Sunny	Moderate	Mid-Flood	Middle	11.05	10:33:00 AM	9.2	8.2	30.7	28.7	3.4	4.0
CE	20220830	Sunny	Moderate	Mid-Flood	Bottom	21.1	10:32:00 AM	9.3	8.2	31.1	28.7	3.7	2.5
CE	20220830	Sunny	Moderate	Mid-Flood	Bottom	21.1	10:32:00 AM	9.1	8.2	30.7	28.6	3.5	4.0
CF	20220830	Sunny	Moderate	Mid-Flood	Surface	1	8:02:00 AM	8.7	8.3	30.5	28.9	3.5	3.0
CF	20220830	Sunny	Moderate	Mid-Flood	Surface	1	8:02:00 AM	8.5	8.3	30.4	28.9	3.9	4.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
CF	20220830	Sunny	Moderate	Mid-Flood	Middle	10.25	8:01:00 AM	8.3	8.2	30.7	28.8	4.0	4.0
CF	20220830	Sunny	Moderate	Mid-Flood	Middle	10.25	8:01:00 AM	8.5	8.3	30.5	28.8	3.9	4.0
CF	20220830	Sunny	Moderate	Mid-Flood	Bottom	19.5	8:00:00 AM	8.7	8.3	30.6	28.9	4.3	3.0
CF	20220830	Sunny	Moderate	Mid-Flood	Bottom	19.5	8:00:00 AM	8.6	8.3	30.5	28.8	4.5	5.0
WSR01	20220830	Sunny	Moderate	Mid-Flood	Surface	1	8:24:00 AM	9.1	8.2	31.0	28.8	3.2	4.0
WSR01	20220830	Sunny	Moderate	Mid-Flood	Surface	1	8:24:00 AM	9.3	8.2	31.0	28.9	2.8	5.0
WSR01	20220830	Sunny	Moderate	Mid-Flood	Middle	4.4	8:23:00 AM	8.9	8.2	31.2	28.8	2.4	4.0
WSR01	20220830	Sunny	Moderate	Mid-Flood	Middle	4.4	8:23:00 AM	9.2	8.2	31.2	28.7	2.7	5.0
WSR01	20220830	Sunny	Moderate	Mid-Flood	Bottom	7.8	8:22:00 AM	9.2	8.3	31.3	28.8	2.7	7.0
WSR01	20220830	Sunny	Moderate	Mid-Flood	Bottom	7.8	8:22:00 AM	9.1	8.2	30.9	28.9	2.4	6.0
WSR02	20220830	Sunny	Moderate	Mid-Flood	Surface	1	8:42:00 AM	9.1	8.3	30.1	28.7	2.0	2.5
WSR02	20220830	Sunny	Moderate	Mid-Flood	Surface	1	8:42:00 AM	9.1	8.3	30.1	28.7	2.0	2.5
WSR02	20220830	Sunny	Moderate	Mid-Flood	Middle	4.55	8:41:00 AM	9.2	8.2	30.0	28.7	2.0	2.5
WSR02	20220830	Sunny	Moderate	Mid-Flood	Middle	4.55	8:41:00 AM	9.1	8.3	30.2	28.7	2.1	2.5
WSR02	20220830	Sunny	Moderate	Mid-Flood	Bottom	8.1	8:40:00 AM	9.2	8.3	29.9	28.7	2.3	5.0
WSR02	20220830	Sunny	Moderate	Mid-Flood	Bottom	8.1	8:40:00 AM	9.1	8.3	30.1	28.7	2.2	8.0
WSR03	20220830	Sunny	Moderate	Mid-Flood	Surface	1	8:55:00 AM	9.3	8.2	30.4	29.0	2.7	5.0
WSR03	20220830	Sunny	Moderate	Mid-Flood	Surface	1	8:55:00 AM	9.2	8.2	30.0	29.2	2.8	9.0
WSR03	20220830	Sunny	Moderate	Mid-Flood	Middle	4.1	8:54:00 AM	9.1	8.2	30.3	29.2	2.7	5.0
WSR03	20220830	Sunny	Moderate	Mid-Flood	Middle	4.1	8:54:00 AM	9.1	8.2	30.2	29.3	2.3	4.0
WSR03	20220830	Sunny	Moderate	Mid-Flood	Bottom	7.2	8:53:00 AM	9.3	8.3	30.3	29.1	3.0	6.0
WSR03	20220830	Sunny	Moderate	Mid-Flood	Bottom	7.2	8:53:00 AM	9.0	8.2	30.3	29.2	2.8	5.0
WSR04	20220830	Sunny	Moderate	Mid-Flood	Surface	1	9:08:00 AM	9.1	8.2	30.8	29.1	2.4	9.0
WSR04	20220830	Sunny	Moderate	Mid-Flood	Surface	1	9:08:00 AM	9.0	8.2	31.0	29.2	2.3	5.0
WSR04	20220830	Sunny	Moderate	Mid-Flood	Middle	3.4	9:07:00 AM	8.9	8.2	30.7	29.1	2.3	3.0
WSR04	20220830	Sunny	Moderate	Mid-Flood	Middle	3.4	9:07:00 AM	8.9	8.2	30.7	29.1	2.3	6.0
WSR04	20220830	Sunny	Moderate	Mid-Flood	Bottom	5.8	9:06:00 AM	9.3	8.1	30.7	29.1	2.4	8.0
WSR04	20220830	Sunny	Moderate	Mid-Flood	Bottom	5.8	9:06:00 AM	9.1	8.1	30.6	29.2	2.5	9.0
WSR16	20220830	Sunny	Moderate	Mid-Flood	Surface	1	10:11:00 AM	8.8	8.2	30.0	29.0	2.5	7.0
WSR16	20220830	Sunny	Moderate	Mid-Flood	Surface	1	10:11:00 AM	8.5	8.2	30.5	28.9	2.5	5.0
WSR16	20220830	Sunny	Moderate	Mid-Flood	Middle	8	10:10:00 AM	8.9	8.2	30.2	28.9	2.4	5.0
WSR16	20220830	Sunny	Moderate	Mid-Flood	Middle	8	10:10:00 AM	8.7	8.3	30.1	28.9	2.5	6.0
WSR16	20220830	Sunny	Moderate	Mid-Flood	Bottom	15	10:09:00 AM	8.8	8.3	30.4	28.9	2.4	2.5
WSR16	20220830	Sunny	Moderate	Mid-Flood	Bottom	15	10:09:00 AM	8.9	8.2	30.1	28.9	2.4	2.5
WSR33	20220830	Sunny	Moderate	Mid-Flood	Surface	1	9:22:00 AM	9.0	8.3	30.3	28.7	3.0	4.0
WSR33	20220830	Sunny	Moderate	Mid-Flood	Surface	1	9:22:00 AM	9.0	8.3	30.4	28.7	2.6	5.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR33	20220830	Sunny	Moderate	Mid-Flood	Middle	3.75	9:21:00 AM	9.0	8.2	30.4	28.8	2.8	2.5
WSR33	20220830	Sunny	Moderate	Mid-Flood	Middle	3.75	9:21:00 AM	9.3	8.2	30.0	28.7	2.3	4.0
WSR33	20220830	Sunny	Moderate	Mid-Flood	Bottom	6.5	9:20:00 AM	9.3	8.3	30.3	28.7	2.3	4.0
WSR33	20220830	Sunny	Moderate	Mid-Flood	Bottom	6.5	9:20:00 AM	9.2	8.3	30.0	28.7	2.5	2.5
WSR36	20220830	Sunny	Moderate	Mid-Flood	Surface	1	9:35:00 AM	9.1	8.2	30.1	28.8	2.5	5.0
WSR36	20220830	Sunny	Moderate	Mid-Flood	Surface	1	9:35:00 AM	8.8	8.2	30.5	28.8	2.4	4.0
WSR36	20220830	Sunny	Moderate	Mid-Flood	Middle	3.65	9:35:00 AM	9.0	8.2	30.3	28.6	2.4	6.0
WSR36	20220830	Sunny	Moderate	Mid-Flood	Middle	3.65	9:35:00 AM	8.9	8.2	30.5	28.8	2.3	4.0
WSR36	20220830	Sunny	Moderate	Mid-Flood	Bottom	6.3	9:34:00 AM	9.1	8.2	30.3	28.8	2.4	4.0
WSR36	20220830	Sunny	Moderate	Mid-Flood	Bottom	6.3	9:34:00 AM	8.5	8.1	30.5	28.8	2.5	2.5
WSR37	20220830	Sunny	Moderate	Mid-Flood	Surface	1	9:50:00 AM	8.9	8.2	29.8	28.9	2.6	5.0
WSR37	20220830	Sunny	Moderate	Mid-Flood	Surface	1	9:50:00 AM	8.5	8.2	29.8	28.9	2.5	4.0
WSR37	20220830	Sunny	Moderate	Mid-Flood	Middle	4.1	9:49:00 AM	8.7	8.2	30.1	29.1	2.5	4.0
WSR37	20220830	Sunny	Moderate	Mid-Flood	Middle	4.1	9:49:00 AM	9.2	8.2	30.2	29.0	2.5	5.0
WSR37	20220830	Sunny	Moderate	Mid-Flood	Bottom	7.2	9:48:00 AM	9.2	8.2	30.1	29.1	2.5	2.5
WSR37	20220830	Sunny	Moderate	Mid-Flood	Bottom	7.2	9:48:00 AM	9.0	8.2	29.9	28.9	2.4	4.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
CE	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	1:24:00 PM	9.2	8.3	30.3	30.0	3.6	4.0
CE	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	1:24:00 PM	9.2	8.2	30.1	29.9	3.4	5.0
CE	20220802	Sunny	Moderate	Mid-Ebb	Middle	11.7	1:23:00 PM	9.2	8.3	30.1	29.9	3.7	3.0
CE	20220802	Sunny	Moderate	Mid-Ebb	Middle	11.7	1:23:00 PM	9.2	8.3	30.4	29.9	3.9	3.0
CE	20220802	Sunny	Moderate	Mid-Ebb	Bottom	22.4	1:22:00 PM	9.3	8.3	30.3	29.9	3.9	5.0
CE	20220802	Sunny	Moderate	Mid-Ebb	Bottom	22.4	1:22:00 PM	9.3	8.2	30.4	30.0	4.1	4.0
CF	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	3:56:00 PM	9.5	8.3	30.0	30.2	2.9	3.0
CF	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	3:56:00 PM	9.4	8.3	30.1	30.1	3.1	4.0
CF	20220802	Sunny	Moderate	Mid-Ebb	Middle	9.8	3:55:00 PM	9.4	8.3	29.8	30.1	3.3	3.0
CF	20220802	Sunny	Moderate	Mid-Ebb	Middle	9.8	3:55:00 PM	9.4	8.3	29.8	30.2	3.2	4.0
CF	20220802	Sunny	Moderate	Mid-Ebb	Bottom	18.6	3:54:00 PM	9.4	8.3	29.8	30.2	3.6	4.0
CF	20220802	Sunny	Moderate	Mid-Ebb	Bottom	18.6	3:54:00 PM	9.4	8.3	30.0	30.2	3.5	5.0
WSR01	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	3:33:00 PM	9.7	8.3	29.5	30.1	2.4	2.5
WSR01	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	3:33:00 PM	9.6	8.3	29.4	30.0	2.5	4.0
WSR01	20220802	Sunny	Moderate	Mid-Ebb	Middle	4.75	3:32:00 PM	9.7	8.3	29.4	30.1	2.4	4.0
WSR01	20220802	Sunny	Moderate	Mid-Ebb	Middle	4.75	3:32:00 PM	9.7	8.3	29.6	30.1	2.5	3.0
WSR01	20220802	Sunny	Moderate	Mid-Ebb	Bottom	8.5	3:31:00 PM	9.6	8.3	29.5	30.1	2.4	3.0
WSR01	20220802	Sunny	Moderate	Mid-Ebb	Bottom	8.5	3:31:00 PM	9.7	8.3	29.4	30.0	2.4	3.0
WSR02	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	3:14:00 PM	8.2	8.2	29.4	29.9	2.4	4.0
WSR02	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	3:14:00 PM	8.3	8.2	29.4	29.8	2.5	3.0
WSR02	20220802	Sunny	Moderate	Mid-Ebb	Middle	4.8	3:13:00 PM	8.3	8.2	29.6	29.9	2.4	2.5
WSR02	20220802	Sunny	Moderate	Mid-Ebb	Middle	4.8	3:13:00 PM	8.2	8.2	29.6	30.0	2.4	2.5
WSR02	20220802	Sunny	Moderate	Mid-Ebb	Bottom	8.6	3:12:00 PM	8.4	8.2	29.4	29.8	2.6	3.0
WSR02	20220802	Sunny	Moderate	Mid-Ebb	Bottom	8.6	3:12:00 PM	8.4	8.2	29.4	29.9	2.4	4.0
WSR03	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	2:59:00 PM	8.7	8.3	29.5	29.8	2.9	4.0
WSR03	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	2:59:00 PM	8.7	8.3	29.5	29.8	2.5	5.0
WSR03	20220802	Sunny	Moderate	Mid-Ebb	Middle	4	2:58:00 PM	8.6	8.3	29.4	29.7	2.4	2.5
WSR03	20220802	Sunny	Moderate	Mid-Ebb	Middle	4	2:58:00 PM	8.6	8.3	29.3	29.8	2.4	4.0
WSR03	20220802	Sunny	Moderate	Mid-Ebb	Bottom	7	2:57:00 PM	8.7	8.3	29.4	29.8	2.6	2.5
WSR03	20220802	Sunny	Moderate	Mid-Ebb	Bottom	7	2:57:00 PM	8.6	8.3	29.2	29.7	2.5	2.5
WSR04	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	2:47:00 PM	9.1	8.3	29.4	29.9	2.8	3.0
WSR04	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	2:47:00 PM	9.1	8.2	29.4	30.0	2.4	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	pН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR04	20220802	Sunny	Moderate	Mid-Ebb	Middle	3.85	2:46:00 PM	9.1	8.2	29.3	29.9	2.5	2.5
WSR04	20220802	Sunny	Moderate	Mid-Ebb	Middle	3.85	2:46:00 PM	9.1	8.3	29.5	29.9	2.4	2.5
WSR04	20220802	Sunny	Moderate	Mid-Ebb	Bottom	6.7	2:45:00 PM	9.1	8.3	29.5	30.0	2.6	2.5
WSR04	20220802	Sunny	Moderate	Mid-Ebb	Bottom	6.7	2:45:00 PM	9.2	8.3	29.5	30.0	2.4	3.0
WSR16	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	1:46:00 PM	9.7	8.2	29.7	29.8	2.6	2.5
WSR16	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	1:46:00 PM	9.7	8.2	29.8	29.8	2.8	3.0
WSR16	20220802	Sunny	Moderate	Mid-Ebb	Middle	8.25	1:45:00 PM	9.7	8.2	29.9	29.9	2.4	3.0
WSR16	20220802	Sunny	Moderate	Mid-Ebb	Middle	8.25	1:45:00 PM	9.6	8.3	29.8	29.9	2.4	3.0
WSR16	20220802	Sunny	Moderate	Mid-Ebb	Bottom	15.5	1:44:00 PM	9.6	8.3	29.8	29.8	2.5	4.0
WSR16	20220802	Sunny	Moderate	Mid-Ebb	Bottom	15.5	1:44:00 PM	9.6	8.2	29.8	29.9	2.6	2.5
WSR33	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	2:33:00 PM	9.6	8.3	29.0	30.3	2.4	3.0
WSR33	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	2:33:00 PM	9.5	8.2	29.0	30.2	2.4	3.0
WSR33	20220802	Sunny	Moderate	Mid-Ebb	Middle	3.8	2:32:00 PM	9.5	8.2	29.0	30.3	2.6	3.0
WSR33	20220802	Sunny	Moderate	Mid-Ebb	Middle	3.8	2:32:00 PM	9.6	8.2	29.2	30.4	2.5	2.5
WSR33	20220802	Sunny	Moderate	Mid-Ebb	Bottom	6.6	2:31:00 PM	9.5	8.2	29.2	30.3	2.4	4.0
WSR33	20220802	Sunny	Moderate	Mid-Ebb	Bottom	6.6	2:31:00 PM	9.5	8.2	29.1	30.2	2.4	5.0
WSR36	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	2:20:00 PM	9.7	8.2	29.5	30.0	2.4	3.0
WSR36	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	2:20:00 PM	9.6	8.2	29.2	30.0	2.4	3.0
WSR36	20220802	Sunny	Moderate	Mid-Ebb	Middle	3.85	2:20:00 PM	9.7	8.3	29.4	30.0	2.5	6.0
WSR36	20220802	Sunny	Moderate	Mid-Ebb	Middle	3.85	2:20:00 PM	9.7	8.2	29.5	30.0	2.4	4.0
WSR36	20220802	Sunny	Moderate	Mid-Ebb	Bottom	6.7	2:19:00 PM	9.6	8.2	29.4	30.0	2.5	3.0
WSR36	20220802	Sunny	Moderate	Mid-Ebb	Bottom	6.7	2:19:00 PM	9.7	8.2	29.5	30.1	2.5	4.0
WSR37	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	2:07:00 PM	8.3	8.4	29.3	30.3	3.0	6.0
WSR37	20220802	Sunny	Moderate	Mid-Ebb	Surface	1	2:07:00 PM	8.2	8.3	29.3	30.3	3.5	6.0
WSR37	20220802	Sunny	Moderate	Mid-Ebb	Middle	4.4	2:06:00 PM	8.2	8.3	29.3	30.4	2.6	6.0
WSR37	20220802	Sunny	Moderate	Mid-Ebb	Middle	4.4	2:06:00 PM	8.3	8.3	29.3	30.3	3.1	5.0
WSR37	20220802	Sunny	Moderate	Mid-Ebb	Bottom	7.8	2:05:00 PM	8.3	8.3	29.5	30.4	2.8	9.0
WSR37	20220802	Sunny	Moderate	Mid-Ebb	Bottom	7.8	2:05:00 PM	8.4	8.3	29.3	30.3	3.1	7.0
CE	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	2:47:00 PM	8.6	8.1	30.2	29.2	3.9	10.0
CE	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	2:47:00 PM	8.5	8.1	30.3	29.1	4.2	12.0
CE	20220804	Cloudy	Moderate	Mid-Ebb	Middle	11.85	2:46:00 PM	8.5	8.1	30.2	29.2	4.6	13.0
CE	20220804	Cloudy	Moderate	Mid-Ebb	Middle	11.85	2:46:00 PM	8.5	8.2	30.0	29.1	4.8	11.0
CE	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	22.7	2:45:00 PM	8.4	8.1	30.0	29.2	4.8	4.0
CE	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	22.7	2:45:00 PM	8.5	8.1	30.2	29.2	5.0	5.0

GF   20220804   Cloudy   Moderate   Mid-Ebb   Surface   1   5.21-00 PM   9,0   8,2   30.4   29,1   3.9   5.0	Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
CF   20220804   Cloudy   Moderate   Mid-Ebb   Middle   10.05   5:20:00 PM   8.9   8.2   30.4   29.1   4.1   9.0	CF	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	5:21:00 PM	9.0	8.2	30.4	29.2	3.8	5.0
CF         20228804         Cloudy         Moderate         Mid-Ebb         Middle         10.05         5:20:00 PM         8.9         8.2         30.6         29.2         3.7         10.0           CF         20228804         Cloudy         Moderate         Mid-Ebb         Bottom         19.1         5:19:00 PM         8.9         8.2         30.4         29.2         4.4         12.0           WSR01         20228804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:58:00 PM         9.3         8.3         30.3         29.1         4.2         14.0           WSR01         20228804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:58:00 PM         9.3         8.3         30.2         28.8         3.6         15.0           WSR01         20228804         Cloudy         Moderate         Mid-Ebb         Mid-Ebb <th< td=""><td>CF</td><td>20220804</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>5:21:00 PM</td><td>9.0</td><td>8.2</td><td>30.4</td><td>29.1</td><td>3.9</td><td>5.0</td></th<>	CF	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	5:21:00 PM	9.0	8.2	30.4	29.1	3.9	5.0
CF         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         19.1         5:19:00 PM         8.9         8.2         30.4         29.2         4.4         12.0           CF         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         19.1         5:19:00 PM         9.0         8.2         30.3         29.1         4.2         14.0           WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:58:00 PM         9.3         8.3         30.2         28.8         3.6         15.0           WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.35         4:57:00 PM         9.4         8.4         30.4         28.8         2.9         9.0           WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.7         4:56:00 PM         9.3         8.3         30.3         28.8         3.0         16:0           WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.7         4:56:00 PM         9.2         8.3         30.3         29.2         3.4 <th< td=""><td>CF</td><td>20220804</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Middle</td><td>10.05</td><td>5:20:00 PM</td><td>8.9</td><td>8.2</td><td>30.4</td><td>29.1</td><td>4.1</td><td>9.0</td></th<>	CF	20220804	Cloudy	Moderate	Mid-Ebb	Middle	10.05	5:20:00 PM	8.9	8.2	30.4	29.1	4.1	9.0
CF   20220804   Cloudy   Moderate   Mid-Ebb   Bottom   19.1   5.19.00 PM   9.0   8.2   30.3   29.1   4.2   14.0	CF	20220804	Cloudy	Moderate	Mid-Ebb	Middle	10.05	5:20:00 PM	8.9	8.2	30.6	29.2	3.7	10.0
WSR01   20220804   Cloudy   Moderate   Mid-Ebb   Surface   1   4:58:00 PM   9.3   8.3   30.3   28.9   3.4   16.0	CF	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	19.1	5:19:00 PM	8.9	8.2	30.4	29.2	4.4	12.0
WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:58:00 PM         9.3         8.3         30.2         28.8         3.6         15.0           WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.35         4:57:00 PM         9.4         8.4         30.4         28.8         2.9         9.0           WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Biddle         4.35         4:57:00 PM         9.2         8.3         30.4         28.8         3.4         6.0           WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.7         4:56:00 PM         9.2         8.3         30.3         28.8         3.0         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:40:00 PM         9.3         8.2         30.3         29.2         3.4         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:40:00 PM         9.3         8.2         30.4         29.2         3.4         <	CF	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	19.1	5:19:00 PM	9.0	8.2	30.3	29.1	4.2	14.0
WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.35         4:57:00 PM         9.4         8.4         30.4         28.8         2.9         9.0           WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.35         4:57:00 PM         9.2         8.3         30.4         28.8         3.4         6.0           WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.7         4:56:00 PM         9.2         8.3         30.3         28.8         3.0         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.7         4:56:00 PM         9.2         8.3         30.3         28.8         3.3         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:40:00 PM         9.3         8.2         30.3         29.2         3.4         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:40:00 PM         9.3         8.3         30.5         29.1         3.6	WSR01	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	4:58:00 PM	9.3	8.3	30.3	28.9	3.4	16.0
WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.7         4:56:00 PM         9.2         8.3         30.4         28.8         3.4         6.0           WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.7         4:56:00 PM         9.3         8.3         30.3         28.8         3.0         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.7         4:56:00 PM         9.2         8.3         30.3         28.8         3.0         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:40:00 PM         9.3         8.2         30.3         29.2         3.4         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.85         4:39:00 PM         9.3         8.2         30.3         29.2         3.4         5.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4:38:00 PM         9.3         8.3         30.2         29.2         2.8	WSR01	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	4:58:00 PM	9.3	8.3	30.2	28.8	3.6	15.0
WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.7         4:56:00 PM         9.3         8.3         30.3         28.8         3.0         16.0           WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.7         4:56:00 PM         9.2         8.3         30.3         28.8         3.3         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:40:00 PM         9.3         8.2         30.3         29.2         3.4         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.85         4:39:00 PM         9.3         8.2         30.3         29.2         3.4         5.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4:38:00 PM         9.3         8.3         30.2         29.2         3.4         5.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4:38:00 PM         9.3         8.2         30.2         29.2         2.8	WSR01	20220804	Cloudy	Moderate	Mid-Ebb	Middle	4.35	4:57:00 PM	9.4	8.4	30.4	28.8	2.9	9.0
WSR01         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.7         4:56:00 PM         9.2         8.3         30.3         28.8         3.3         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:40:00 PM         9.3         8.2         30.3         29.2         3.9         17.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:40:00 PM         9.3         8.2         30.3         29.2         3.9         17.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.85         4:39:00 PM         9.3         8.3         30.2         29.1         3.6         6.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4:38:00 PM         9.3         8.3         30.2         29.2         3.4         16.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.9         8.2         30.5         29.0         3.7         <	WSR01	20220804	Cloudy	Moderate	Mid-Ebb	Middle	4.35	4:57:00 PM	9.2	8.3	30.4	28.8	3.4	6.0
WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:40:00 PM         9.3         8.2         30.3         29.2         3.4         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:40:00 PM         9.3         8.2         30.3         29.2         3.9         17.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.85         4:39:00 PM         9.3         8.3         30.5         29.1         3.6         6.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4:38:00 PM         9.3         8.3         30.2         29.3         3.2         16.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.9         8.2         30.5         29.0         3.7         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.9         8.2         30.5         29.0         3.7 <td< td=""><td>WSR01</td><td>20220804</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Bottom</td><td>7.7</td><td>4:56:00 PM</td><td>9.3</td><td>8.3</td><td>30.3</td><td>28.8</td><td>3.0</td><td>16.0</td></td<>	WSR01	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	7.7	4:56:00 PM	9.3	8.3	30.3	28.8	3.0	16.0
WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:40:00 PM         9.3         8.2         30.3         29.2         3.9         17.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.85         4:39:00 PM         9.3         8.2         30.4         29.2         3.4         5.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4:38:00 PM         9.3         8.3         30.2         29.2         3.4         5.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4:38:00 PM         9.3         8.3         30.2         29.2         2.8         18.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.9         8.2         30.5         29.0         3.7         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.8         8.2         30.2         29.0         3.1 <th< td=""><td>WSR01</td><td>20220804</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Bottom</td><td>7.7</td><td>4:56:00 PM</td><td>9.2</td><td>8.3</td><td>30.3</td><td>28.8</td><td>3.3</td><td>16.0</td></th<>	WSR01	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	7.7	4:56:00 PM	9.2	8.3	30.3	28.8	3.3	16.0
WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.85         4.39:00 PM         9.3         8.3         30.5         29.1         3.6         6.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4.38:00 PM         9.3         8.3         30.2         29.2         3.4         5.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4.38:00 PM         9.4         8.2         30.2         29.2         2.8         18.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.9         8.2         30.5         29.0         3.7         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.7         8.2         30.5         29.1         3.7         6.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Midle         4.2         4:25:00 PM         8.8         8.2         30.2         29.0         3.1	WSR02	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	4:40:00 PM	9.3	8.2	30.3	29.2	3.4	16.0
WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.85         4:39:00 PM         9.5         8.2         30.4         29.2         3.4         5.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4:38:00 PM         9.3         8.3         30.2         29.2         2.8         18.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.9         8.2         30.5         29.0         3.7         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.7         8.2         30.5         29.0         3.7         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.8         8.2         30.2         29.0         3.1         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:26:00 PM         8.8         8.3         30.3         29.1         3.2	WSR02	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	4:40:00 PM	9.3	8.2	30.3	29.2	3.9	17.0
WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4:38:00 PM         9.3         8.3         30.2         29.3         3.2         16.0           WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4:38:00 PM         9.4         8.2         30.2         29.2         2.8         18.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.7         8.2         30.5         29.0         3.7         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Mid-Bbb	WSR02	20220804	Cloudy	Moderate	Mid-Ebb	Middle	4.85	4:39:00 PM	9.3	8.3	30.5	29.1	3.6	6.0
WSR02         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         8.7         4:38:00 PM         9.4         8.2         30.2         29.2         2.8         18.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.9         8.2         30.5         29.0         3.7         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.7         8.2         30.5         29.1         3.7         6.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.2         4:25:00 PM         8.8         8.2         30.2         29.0         3.1         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.9         8.3         30.4         29.1         3.2         6.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.8         8.3         30.2         29.0         3.2	WSR02	20220804	Cloudy	Moderate	Mid-Ebb	Middle	4.85	4:39:00 PM	9.5	8.2	30.4	29.2	3.4	5.0
WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.9         8.2         30.5         29.0         3.7         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.7         8.2         30.5         29.1         3.7         6.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.2         4:25:00 PM         8.8         8.2         30.2         29.0         3.1         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.9         8.3         30.4         29.1         3.2         6.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.8         8.3         30.4         29.1         3.2         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.3         8.3         30.1         29.0         3.8         17	WSR02	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	8.7	4:38:00 PM	9.3	8.3	30.2	29.3	3.2	16.0
WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:26:00 PM         8.7         8.2         30.5         29.1         3.7         6.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Midle         4.2         4:25:00 PM         8.8         8.2         30.2         29.0         3.1         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.9         8.3         30.4         29.1         3.2         6.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.9         8.3         30.4         29.1         3.2         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.3         8.3         30.0         29.0         3.8         19.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.0         8.3         30.1         29.0         3.8         17	WSR02	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	8.7	4:38:00 PM	9.4	8.2	30.2	29.2	2.8	18.0
WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.2         4:25:00 PM         8.8         8.2         30.2         29.0         3.1         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.2         4:25:00 PM         8.8         8.3         30.3         29:1         3.2         6.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.9         8.3         30.4         29:1         3.2         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.8         8.3         30.2         29:0         3.2         7.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.3         8.3         30.0         29:0         3.8         17.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.65         4:13:00 PM         9.1         8.2         30.0         29:1         2.9 <t< td=""><td>WSR03</td><td>20220804</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>4:26:00 PM</td><td>8.9</td><td>8.2</td><td>30.5</td><td>29.0</td><td>3.7</td><td>8.0</td></t<>	WSR03	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	4:26:00 PM	8.9	8.2	30.5	29.0	3.7	8.0
WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.2         4:25:00 PM         8.8         8.3         30.3         29.1         3.2         6.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.9         8.3         30.4         29.1         3.2         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.3         8.3         30.0         29.0         3.8         19.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.3         8.3         30.0         29.0         3.8         19.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.0         8.3         30.1         29.0         3.8         17.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.65         4:13:00 PM         9.2         8.2         30.2         29.1         3.5 <t< td=""><td>WSR03</td><td>20220804</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>4:26:00 PM</td><td>8.7</td><td>8.2</td><td>30.5</td><td>29.1</td><td>3.7</td><td>6.0</td></t<>	WSR03	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	4:26:00 PM	8.7	8.2	30.5	29.1	3.7	6.0
WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.9         8.3         30.4         29.1         3.2         8.0           WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.8         8.3         30.2         29.0         3.2         7.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.3         8.3         30.0         29.0         3.8         19.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.0         8.3         30.1         29.0         3.8         17.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Midle         3.65         4:13:00 PM         9.1         8.2         30.0         29.1         2.9         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.2         8.2         30.1         29.0         3.0 <td< td=""><td>WSR03</td><td>20220804</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Middle</td><td>4.2</td><td>4:25:00 PM</td><td>8.8</td><td>8.2</td><td>30.2</td><td>29.0</td><td>3.1</td><td>8.0</td></td<>	WSR03	20220804	Cloudy	Moderate	Mid-Ebb	Middle	4.2	4:25:00 PM	8.8	8.2	30.2	29.0	3.1	8.0
WSR03         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.4         4:24:00 PM         8.8         8.3         30.2         29.0         3.2         7.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.3         8.3         30.0         29.0         3.8         19.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.0         8.3         30.1         29.0         3.8         17.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.65         4:13:00 PM         9.1         8.2         30.0         29.1         2.9         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.2         8.2         30.1         29.0         3.0         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.1         8.3         30.2         29.2         3.2 <t< td=""><td>WSR03</td><td>20220804</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Middle</td><td>4.2</td><td>4:25:00 PM</td><td>8.8</td><td>8.3</td><td>30.3</td><td>29.1</td><td>3.2</td><td>6.0</td></t<>	WSR03	20220804	Cloudy	Moderate	Mid-Ebb	Middle	4.2	4:25:00 PM	8.8	8.3	30.3	29.1	3.2	6.0
WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.3         8.3         30.0         29.0         3.8         19.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.0         8.3         30.1         29.0         3.8         17.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.65         4:13:00 PM         9.1         8.2         30.0         29.1         2.9         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.65         4:13:00 PM         9.2         8.2         30.2         29.1         3.5         7.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.2         8.2         30.1         29.0         3.0         8.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.1         8.1         30.3         29.5         3.9 <t< td=""><td>WSR03</td><td>20220804</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Bottom</td><td>7.4</td><td>4:24:00 PM</td><td>8.9</td><td>8.3</td><td>30.4</td><td>29.1</td><td>3.2</td><td>8.0</td></t<>	WSR03	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	7.4	4:24:00 PM	8.9	8.3	30.4	29.1	3.2	8.0
WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         4:14:00 PM         9.0         8.3         30.1         29.0         3.8         17.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.65         4:13:00 PM         9.1         8.2         30.0         29.1         2.9         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.65         4:13:00 PM         9.2         8.2         30.2         29.1         3.5         7.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.2         8.2         30.1         29.0         3.0         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.1         8.3         30.2         29.2         3.2         8.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.2         8.2         30.4         29.4         4.0 <t< td=""><td>WSR03</td><td>20220804</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Bottom</td><td>7.4</td><td>4:24:00 PM</td><td>8.8</td><td>8.3</td><td>30.2</td><td>29.0</td><td>3.2</td><td>7.0</td></t<>	WSR03	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	7.4	4:24:00 PM	8.8	8.3	30.2	29.0	3.2	7.0
WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.65         4:13:00 PM         9.1         8.2         30.0         29.1         2.9         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.65         4:13:00 PM         9.2         8.2         30.2         29.1         3.5         7.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.2         8.2         30.1         29.0         3.0         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.1         8.3         30.2         29.2         3.2         8.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.1         8.1         30.3         29.5         3.9         9.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.2         8.2         30.4         29.4         4.0 <td< td=""><td>WSR04</td><td>20220804</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>4:14:00 PM</td><td>9.3</td><td>8.3</td><td>30.0</td><td>29.0</td><td>3.8</td><td>19.0</td></td<>	WSR04	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	4:14:00 PM	9.3	8.3	30.0	29.0	3.8	19.0
WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.65         4:13:00 PM         9.2         8.2         30.2         29.1         3.5         7.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.2         8.2         30.1         29.0         3.0         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.1         8.3         30.2         29.2         3.2         8.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.1         8.1         30.3         29.5         3.9         9.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.2         8.2         30.4         29.4         4.0         9.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Mid-Ebb         Middle         7.95         3:09:00 PM         9.2         8.2         30.3         29.3	WSR04	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	4:14:00 PM	9.0	8.3	30.1	29.0	3.8	17.0
WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.2         8.2         30.1         29.0         3.0         8.0           WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.1         8.3         30.2         29.2         3.2         8.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.1         8.1         30.3         29.5         3.9         9.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.2         8.2         30.4         29.4         4.0         9.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Middle         7.95         3:09:00 PM         9.2         8.2         30.3         29.3         3.6         5.0	WSR04	20220804	Cloudy	Moderate	Mid-Ebb	Middle	3.65	4:13:00 PM	9.1	8.2	30.0	29.1	2.9	8.0
WSR04         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.3         4:12:00 PM         9.1         8.3         30.2         29.2         3.2         8.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.1         8.1         30.3         29.5         3.9         9.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.2         8.2         30.4         29.4         4.0         9.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Middle         7.95         3:09:00 PM         9.2         8.2         30.3         29.3         3.6         5.0	WSR04	20220804	Cloudy	Moderate	Mid-Ebb	Middle	3.65	4:13:00 PM	9.2	8.2	30.2	29.1	3.5	7.0
WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.1         8.1         30.3         29.5         3.9         9.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.2         8.2         30.4         29.4         4.0         9.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Middle         7.95         3:09:00 PM         9.2         8.2         30.3         29.3         3.6         5.0	WSR04	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	6.3	4:12:00 PM	9.2	8.2	30.1	29.0	3.0	8.0
WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:10:00 PM         9.2         8.2         30.4         29.4         4.0         9.0           WSR16         20220804         Cloudy         Moderate         Mid-Ebb         Middle         7.95         3:09:00 PM         9.2         8.2         30.3         29.3         3.6         5.0	WSR04	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	6.3	4:12:00 PM	9.1	8.3	30.2	29.2	3.2	8.0
WSR16 20220804 Cloudy Moderate Mid-Ebb Middle 7.95 3:09:00 PM 9.2 8.2 30.3 29.3 3.6 5.0	WSR16	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	3:10:00 PM	9.1	8.1	30.3	29.5	3.9	9.0
•	WSR16	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	3:10:00 PM	9.2	8.2	30.4	29.4	4.0	9.0
WSR16 20220804 Cloudy Moderate Mid-Ebb Middle 7.95 3:09:00 PM 9.1 8.2 30.5 29.4 3.7 6.0	WSR16	20220804	Cloudy	Moderate	Mid-Ebb	Middle	7.95	3:09:00 PM	9.2	8.2	30.3	29.3	3.6	5.0
	WSR16	20220804	Cloudy	Moderate	Mid-Ebb	Middle	7.95	3:09:00 PM	9.1	8.2	30.5	29.4	3.7	6.0

WSR16   20220804   Cloudy   Moderate   Mid-Ebb   Bottom   14.9   3.08:00 PM   9.2   8.2   30.4   29.4   3.3   10.0	Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR33   20220804   Cloudy   Moderate   Mid-Ebb   Surface   1   3.59:00 PM   8.5   8.2   29.9   28.9   3.1   6.0	WSR16	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	14.9	3:08:00 PM	9.2	8.2	30.4	29.4	3.3	10.0
WSR33   20220804   Cloudy   Moderate   Mid-Ebb   Surface   1   3-59-00 PM   8.7   8.3   29.8   28.9   3.0   9.0	WSR16	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	14.9	3:08:00 PM	9.2	8.1	30.3	29.5	3.0	7.0
WSR33   20220804   Cloudy   Moderate   Mid-Ebb   Middle   3.7   3.58:00 PM   8.5   8.2   29.6   28.9   2.9   5.0	WSR33	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	3:59:00 PM	8.5	8.2	29.9	28.9	3.1	6.0
WSR33   20220804   Cloudy   Moderate   Mid-Ebb   Middle   3.7   3.58:00 PM   8.6   8.2   29.7   29.0   3.2   8.0	WSR33	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	3:59:00 PM	8.7	8.3	29.8	28.9	3.0	9.0
WSR33         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         3:57:00 PM         8.6         8.2         29.7         28.9         2.9         7.0           WSR33         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:45:00 PM         8.7         8.2         29.9         2.8         4.0         8.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:45:00 PM         8.5         8.2         30.6         28.9         3.5         8.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.75         3:45:00 PM         8.5         8.2         30.6         28.9         3.7         4.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.5         3:44:00 PM         8.5         8.2         30.6         28.9         3.7         4.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.5         8.2         30.8         28.9         3.2         6.	WSR33	20220804	Cloudy	Moderate	Mid-Ebb	Middle	3.7	3:58:00 PM	8.5	8.2	29.6	28.9	2.9	5.0
WSR33         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         3:57:00 PM         8.5         8.2         29.9         28.9         2.6         8.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:45:00 PM         8.7         8.2         30.6         28.9         3.5         8.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Mid-Ebb         Mid-Bb         Mid-Bb         8.2         30.6         28.9         3.1         8.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Midle         3.75         3:45:00 PM         8.5         8.2         30.8         28.9         3.7         4.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.5         3:44:00 PM         8.5         8.2         30.8         28.9         3.7         4.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.6         8.3         30.3         28.9         2.7         6.0	WSR33	20220804	Cloudy	Moderate	Mid-Ebb	Middle	3.7	3:58:00 PM	8.6	8.2	29.7	29.0	3.2	8.0
WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:45:00 PM         8.7         8.2         30.6         28.9         4.0         8.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:45:00 PM         8.5         8.2         30.6         28.9         3.5         8.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.75         3:45:00 PM         8.7         8.2         30.8         28.9         3.7         4.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.5         3:44:00 PM         8.5         8.2         30.6         28.9         3.0         3.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.6         8.3         30.3         28.9         3.2         4.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.5         8.2         30.4         28.9         2.3         6.	WSR33	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	6.4	3:57:00 PM	8.6	8.2	29.7	28.9	2.9	7.0
WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:45:00 PM         8.5         8.2         30.6         28.9         3.5         8.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.75         3:45:00 PM         8.5         8.2         30.7         28.9         3.1         8.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.5         3:44:00 PM         8.5         8.2         30.6         28.9         3.0         3.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.5         3:44:00 PM         8.5         8.2         30.6         28.9         3.2         4.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.6         8.3         30.3         28.9         2.7         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.1         3:31:00 PM         8.5         8.2         30.4         28.9         2.3	WSR33	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	6.4	3:57:00 PM	8.5	8.2	29.9	28.9	2.6	8.0
WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.75         3.45:00 PM         8.5         8.2         30.7         28.9         3.1         8.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Bittom         6.5         3:44:00 PM         8.7         8.2         30.8         28.9         3.7         4.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.5         3:44:00 PM         8.5         8.2         30.8         28.9         3.2         4.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.6         8.3         30.3         28.9         3.2         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.5         8.2         30.4         28.9         2.3         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Mid-Ebb         Midele         4.1         3:31:00 PM         8.7         8.2         30.2         29.0	WSR36	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	3:45:00 PM	8.7	8.2	30.6	28.9	4.0	8.0
WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Middle         3.75         3:45:00 PM         8.7         8.2         30.8         28.9         3.7         4.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.5         3:44:00 PM         8.5         8.2         30.6         28.9         3.0         3.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.6         8.3         30.3         28.9         3.2         4.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.5         8.3         30.3         28.9         2.7         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.1         3:31:00 PM         8.5         8.2         30.4         28.9         2.3         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.4         8.3         30.3         28.9         2.5	WSR36	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	3:45:00 PM	8.5	8.2	30.6	28.9	3.5	8.0
WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.5         3:44:00 PM         8.5         8.2         30.6         28.9         3.0         3.0           WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.5         3:44:00 PM         8.5         8.2         30.8         28.9         3.2         4.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.5         8.3         30.3         28.9         3.7         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.1         3:31:00 PM         8.5         8.2         30.4         28.9         2.3         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.4         8.3         30.3         28.9         2.5         9.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.4         8.3         30.1         28.9         2.8	WSR36	20220804	Cloudy	Moderate	Mid-Ebb	Middle	3.75	3:45:00 PM	8.5	8.2	30.7	28.9	3.1	8.0
WSR36         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         6.5         3:44:00 PM         8.5         8.2         30.8         28.9         3.2         4.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.6         8.3         30.3         28.9         3.2         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.5         8.3         30.3         28.9         2.7         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Midelle         4.1         3:31:00 PM         8.7         8.2         30.2         29.0         2.4         5.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.4         8.3         30.3         28.9         2.5         9.0           WSR37         20220806         Sunny         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.6         8.2         30.1         28.9         2.8         7	WSR36	20220804	Cloudy	Moderate	Mid-Ebb	Middle	3.75	3:45:00 PM	8.7	8.2	30.8	28.9	3.7	4.0
WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.6         8.3         30.3         28.9         3.2         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.5         8.3         30.3         28.9         2.7         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.1         3:31:00 PM         8.7         8.2         30.4         28.9         2.3         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.4         8.3         30.3         28.9         2.5         9.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.6         8.2         30.1         28.9         2.8         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.3         8.1         31.1         29.1         3.7         7.0 <td>WSR36</td> <td>20220804</td> <td>Cloudy</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>6.5</td> <td>3:44:00 PM</td> <td>8.5</td> <td>8.2</td> <td>30.6</td> <td>28.9</td> <td>3.0</td> <td>3.0</td>	WSR36	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	6.5	3:44:00 PM	8.5	8.2	30.6	28.9	3.0	3.0
WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Surface         1         3:32:00 PM         8.5         8.3         30.3         28.9         2.7         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.1         3:31:00 PM         8.5         8.2         30.4         28.9         2.3         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.4         8.3         30.3         28.9         2.5         9.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.4         8.3         30.1         28.9         2.8         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.3         8.1         30.7         29.1         3.7         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Midle         10         8:01:00 AM         8.3         8.1         31.1         29.1         3.9         5.0	WSR36	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	6.5	3:44:00 PM	8.5	8.2	30.8	28.9	3.2	4.0
WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.1         3:31:00 PM         8.5         8.2         30.4         28.9         2.3         6.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.4         8.3         30.3         28.9         2.5         9.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.4         8.3         30.3         28.9         2.5         9.0           WSR37         20220806         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.6         8.2         30.1         28.9         2.8         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.3         8.1         30.7         29.1         3.7         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Middle         10         8:01:00 AM         8.3         8.1         31.1         29.1         3.9         4.0	WSR37	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	3:32:00 PM	8.6	8.3	30.3	28.9	3.2	6.0
WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Middle         4.1         3:31:00 PM         8.7         8.2         30.2         29.0         2.4         5.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.4         8.3         30.3         28.9         2.5         9.0           WSR37         20220806         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.6         8.2         30.1         28.9         2.8         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.3         8.1         30.7         29.1         3.7         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Middle         10         8:01:00 AM         8.3         8.1         31.1         29.1         3.9         5.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.1         31.0         29.2         4.3         4.0     <	WSR37	20220804	Cloudy	Moderate	Mid-Ebb	Surface	1	3:32:00 PM	8.5	8.3	30.3	28.9	2.7	6.0
WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.4         8.3         30.3         28.9         2.5         9.0           WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.6         8.2         30.1         28.9         2.8         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.3         8.1         30.7         29.1         3.7         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Middle         10         8:01:00 AM         8.3         8.1         31.1         29.1         3.9         5.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Middle         10         8:01:00 AM         8.4         8.1         30.9         29.1         3.9         4.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.1         31.0         29.2         4.3         4.0	WSR37	20220804	Cloudy	Moderate	Mid-Ebb	Middle	4.1	3:31:00 PM	8.5	8.2	30.4	28.9	2.3	6.0
WSR37         20220804         Cloudy         Moderate         Mid-Ebb         Bottom         7.2         3:30:00 PM         8.6         8.2         30.1         28.9         2.8         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.3         8.1         30.7         29.1         3.7         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.3         8.2         30.9         29.2         3.6         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Middle         10         8:01:00 AM         8.3         8.1         31.1         29.1         3.9         5.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.1         31.0         29.2         4.3         4.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.2         30.8         29.1         4.2         4.0      <	WSR37	20220804	Cloudy	Moderate	Mid-Ebb	Middle	4.1	3:31:00 PM	8.7	8.2	30.2	29.0	2.4	5.0
CE         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.3         8.1         30.7         29.1         3.7         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.3         8.2         30.9         29.2         3.6         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Middle         10         8:01:00 AM         8.3         8.1         31.1         29.1         3.9         5.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.1         31.0         29.2         4.3         4.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.1         31.0         29.2         4.3         4.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.1         8.4         31.0         29.5         3.4         2.5	WSR37	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	7.2	3:30:00 PM	8.4	8.3	30.3	28.9	2.5	9.0
CE         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.3         8.2         30.9         29.2         3.6         7.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Middle         10         8:01:00 AM         8.3         8.1         31.1         29.1         3.9         5.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.1         31.0         29.2         4.3         4.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.1         31.0         29.2         4.3         4.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.1         31.0         29.2         4.3         4.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.2         8.3         30.9         29.4         3.3         4.0	WSR37	20220804	Cloudy	Moderate	Mid-Ebb	Bottom	7.2	3:30:00 PM	8.6	8.2	30.1	28.9	2.8	7.0
CE         20220806         Sunny         Moderate         Mid-Ebb         Middle         10         8:01:00 AM         8.3         8.1         31.1         29.1         3.9         5.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Middle         10         8:01:00 AM         8.4         8.1         30.9         29.1         3.9         4.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.1         31.0         29.2         4.3         4.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.2         30.8         29.1         4.2         4.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.1         8.4         31.0         29.5         3.4         2.5           CF         20220806         Sunny         Moderate         Mid-Ebb         Midle         10.65         10:37:00 AM         8.2         8.4         31.0         29.5         3.7         3.0 <t< td=""><td>CE</td><td>20220806</td><td>Sunny</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>8:02:00 AM</td><td>8.3</td><td>8.1</td><td>30.7</td><td>29.1</td><td>3.7</td><td>7.0</td></t<>	CE	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	8:02:00 AM	8.3	8.1	30.7	29.1	3.7	7.0
CE         20220806         Sunny         Moderate         Mid-Ebb         Middle         10         8:01:00 AM         8.4         8.1         30.9         29.1         3.9         4.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.1         31.0         29.2         4.3         4.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.2         30.8         29.1         4.2         4.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.1         8.4         31.0         29.5         3.4         2.5           CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.2         8.3         30.9         29.4         3.3         4.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Middle         10.65         10:36:00 AM         8.1         8.3         30.9         29.5         3.5         3.0	CE	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	8:02:00 AM	8.3	8.2	30.9	29.2	3.6	7.0
CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.1         31.0         29.2         4.3         4.0           CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.2         30.8         29.1         4.2         4.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.1         8.4         31.0         29.5         3.4         2.5           CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.2         8.3         30.9         29.4         3.3         4.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Middle         10.65         10:36:00 AM         8.2         8.4         31.0         29.5         3.7         3.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.1         8.3         30.7         29.3         3.8         7.0	CE	20220806	Sunny	Moderate	Mid-Ebb	Middle	10	8:01:00 AM	8.3	8.1	31.1	29.1	3.9	5.0
CE         20220806         Sunny         Moderate         Mid-Ebb         Bottom         19         8:00:00 AM         8.4         8.2         30.8         29.1         4.2         4.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.1         8.4         31.0         29.5         3.4         2.5           CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.2         8.3         30.9         29.4         3.3         4.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Middle         10.65         10:36:00 AM         8.2         8.4         31.0         29.5         3.7         3.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.1         8.3         30.9         29.5         3.5         3.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.1         8.3         30.6         29.4         3.7         4.0 <td>CE</td> <td>20220806</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Middle</td> <td>10</td> <td>8:01:00 AM</td> <td>8.4</td> <td>8.1</td> <td>30.9</td> <td>29.1</td> <td>3.9</td> <td>4.0</td>	CE	20220806	Sunny	Moderate	Mid-Ebb	Middle	10	8:01:00 AM	8.4	8.1	30.9	29.1	3.9	4.0
CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.1         8.4         31.0         29.5         3.4         2.5           CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.2         8.3         30.9         29.4         3.3         4.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Middle         10.65         10:36:00 AM         8.2         8.4         31.0         29.5         3.7         3.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Middle         10.65         10:36:00 AM         8.1         8.3         30.9         29.5         3.5         3.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.1         8.3         30.7         29.3         3.8         7.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.2         8.3         30.6         29.4         3.7         4.0	CE	20220806	Sunny	Moderate	Mid-Ebb	Bottom	19	8:00:00 AM	8.4	8.1	31.0	29.2	4.3	4.0
CF         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:37:00 AM         8.2         8.3         30.9         29.4         3.3         4.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Middle         10:65         10:36:00 AM         8.2         8.4         31.0         29.5         3.7         3.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Middle         10:65         10:36:00 AM         8.1         8.3         30.9         29.5         3.5         3.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.1         8.3         30.7         29.3         3.8         7.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.2         8.3         30.6         29.4         3.7         4.0           WSR01         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:15:00 AM         8.3         8.4         31.3         29.0         3.4         4.0	CE	20220806	Sunny	Moderate	Mid-Ebb	Bottom	19	8:00:00 AM	8.4	8.2	30.8	29.1	4.2	4.0
CF         20220806         Sunny         Moderate         Mid-Ebb         Middle         10.65         10:36:00 AM         8.2         8.4         31.0         29.5         3.7         3.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Middle         10.65         10:36:00 AM         8.1         8.3         30.9         29.5         3.5         3.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.1         8.3         30.7         29.3         3.8         7.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.2         8.3         30.6         29.4         3.7         4.0           WSR01         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:15:00 AM         8.3         8.4         31.3         29.0         3.4         4.0	CF	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	10:37:00 AM	8.1	8.4	31.0	29.5	3.4	2.5
CF         20220806         Sunny         Moderate         Mid-Ebb         Middle         10.65         10:36:00 AM         8.1         8.3         30.9         29.5         3.5         3.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.1         8.3         30.7         29.3         3.8         7.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.2         8.3         30.6         29.4         3.7         4.0           WSR01         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:15:00 AM         8.3         8.4         31.3         29.0         3.4         4.0	CF	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	10:37:00 AM	8.2	8.3	30.9	29.4	3.3	4.0
CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.1         8.3         30.7         29.3         3.8         7.0           CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.2         8.3         30.6         29.4         3.7         4.0           WSR01         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:15:00 AM         8.3         8.4         31.3         29.0         3.4         4.0	CF	20220806	Sunny	Moderate	Mid-Ebb	Middle	10.65	10:36:00 AM	8.2	8.4	31.0	29.5	3.7	3.0
CF         20220806         Sunny         Moderate         Mid-Ebb         Bottom         20.3         10:35:00 AM         8.2         8.3         30.6         29.4         3.7         4.0           WSR01         20220806         Sunny         Moderate         Mid-Ebb         Surface         1         10:15:00 AM         8.3         8.4         31.3         29.0         3.4         4.0	CF	20220806	Sunny	Moderate	Mid-Ebb	Middle	10.65	10:36:00 AM	8.1	8.3	30.9	29.5	3.5	3.0
WSR01 20220806 Sunny Moderate Mid-Ebb Surface 1 10:15:00 AM 8.3 8.4 31.3 29.0 3.4 4.0	CF	20220806	Sunny	Moderate	Mid-Ebb	Bottom	20.3	10:35:00 AM	8.1	8.3	30.7	29.3	3.8	7.0
WSR01 20220806 Sunny Moderate Mid-Ebb Surface 1 10:15:00 AM 8.3 8.4 31.3 29.0 3.4 4.0	CF	20220806	Sunny	Moderate	Mid-Ebb	Bottom	20.3	10:35:00 AM	8.2	8.3	30.6	29.4	3.7	4.0
·		20220806			Mid-Ebb	Surface		10:15:00 AM	8.3	8.4	31.3		3.4	
	WSR01	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	10:15:00 AM	8.3	8.3	31.1	29.0	3.4	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR01	20220806	Sunny	Moderate	Mid-Ebb	Middle	4.5	10:14:00 AM	8.3	8.4	31.3	28.9	2.7	4.0
WSR01	20220806	Sunny	Moderate	Mid-Ebb	Middle	4.5	10:14:00 AM	8.2	8.3	31.1	29.1	2.5	2.5
WSR01	20220806	Sunny	Moderate	Mid-Ebb	Bottom	8	10:13:00 AM	8.2	8.3	31.0	29.1	2.5	3.0
WSR01	20220806	Sunny	Moderate	Mid-Ebb	Bottom	8	10:13:00 AM	8.2	8.4	31.1	29.0	2.6	3.0
WSR02	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	9:57:00 AM	8.2	8.2	30.5	29.6	2.2	2.5
WSR02	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	9:57:00 AM	8.2	8.2	30.5	29.6	2.5	3.0
WSR02	20220806	Sunny	Moderate	Mid-Ebb	Middle	4.7	9:56:00 AM	8.2	8.3	30.4	29.6	2.2	6.0
WSR02	20220806	Sunny	Moderate	Mid-Ebb	Middle	4.7	9:56:00 AM	8.1	8.3	30.5	29.5	2.2	4.0
WSR02	20220806	Sunny	Moderate	Mid-Ebb	Bottom	8.4	9:55:00 AM	8.1	8.3	30.4	29.4	2.3	13.0
WSR02	20220806	Sunny	Moderate	Mid-Ebb	Bottom	8.4	9:55:00 AM	8.0	8.3	30.5	29.5	2.2	11.0
WSR03	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	9:41:00 AM	8.2	8.3	30.8	29.3	2.7	12.0
WSR03	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	9:41:00 AM	8.1	8.4	30.8	29.3	2.8	11.0
WSR03	20220806	Sunny	Moderate	Mid-Ebb	Middle	3.7	9:40:00 AM	8.2	8.4	30.9	29.5	3.1	11.0
WSR03	20220806	Sunny	Moderate	Mid-Ebb	Middle	3.7	9:40:00 AM	8.2	8.4	30.6	29.5	2.9	12.0
WSR03	20220806	Sunny	Moderate	Mid-Ebb	Bottom	6.4	9:39:00 AM	8.2	8.3	30.8	29.5	2.6	12.0
WSR03	20220806	Sunny	Moderate	Mid-Ebb	Bottom	6.4	9:39:00 AM	8.1	8.3	30.6	29.4	2.8	12.0
WSR04	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	9:29:00 AM	8.5	8.3	30.9	29.6	2.6	12.0
WSR04	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	9:29:00 AM	8.6	8.3	31.0	29.4	2.9	11.0
WSR04	20220806	Sunny	Moderate	Mid-Ebb	Middle	3.45	9:28:00 AM	8.5	8.3	30.8	29.6	2.7	13.0
WSR04	20220806	Sunny	Moderate	Mid-Ebb	Middle	3.45	9:28:00 AM	8.6	8.3	30.7	29.6	2.5	11.0
WSR04	20220806	Sunny	Moderate	Mid-Ebb	Bottom	5.9	9:27:00 AM	8.5	8.4	31.0	29.4	2.0	13.0
WSR04	20220806	Sunny	Moderate	Mid-Ebb	Bottom	5.9	9:27:00 AM	8.6	8.3	30.8	29.5	2.2	11.0
WSR16	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	8:25:00 AM	8.7	8.2	31.2	29.1	3.1	11.0
WSR16	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	8:25:00 AM	8.8	8.2	31.0	29.1	2.6	12.0
WSR16	20220806	Sunny	Moderate	Mid-Ebb	Middle	8.4	8:24:00 AM	8.7	8.1	31.3	29.1	2.2	11.0
WSR16	20220806	Sunny	Moderate	Mid-Ebb	Middle	8.4	8:24:00 AM	8.7	8.1	31.2	29.2	2.1	12.0
WSR16	20220806	Sunny	Moderate	Mid-Ebb	Bottom	15.8	8:23:00 AM	8.7	8.2	31.3	29.1	2.2	3.0
WSR16	20220806	Sunny	Moderate	Mid-Ebb	Bottom	15.8	8:23:00 AM	8.8	8.1	31.0	29.2	2.5	2.5
WSR33	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	9:16:00 AM	8.4	8.0	30.9	29.5	3.1	3.0
WSR33	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	9:16:00 AM	8.3	8.1	30.8	29.3	2.9	2.5
WSR33	20220806	Sunny	Moderate	Mid-Ebb	Middle	3.7	9:15:00 AM	8.4	8.1	30.8	29.4	2.8	2.5
WSR33	20220806	Sunny	Moderate	Mid-Ebb	Middle	3.7	9:15:00 AM	8.3	8.1	30.9	29.5	3.2	2.5
WSR33	20220806	Sunny	Moderate	Mid-Ebb	Bottom	6.4	9:14:00 AM	8.5	8.0	30.7	29.5	2.7	2.5
WSR33	20220806	Sunny	Moderate	Mid-Ebb	Bottom	6.4	9:14:00 AM	8.4	8.1	30.9	29.4	2.5	4.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR36	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	9:01:00 AM	8.4	8.1	30.7	29.1	3.3	2.5
WSR36	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	9:01:00 AM	8.3	8.2	30.7	28.9	3.5	2.5
WSR36	20220806	Sunny	Moderate	Mid-Ebb	Middle	3.25	9:01:00 AM	8.4	8.1	30.6	29.1	3.2	2.5
WSR36	20220806	Sunny	Moderate	Mid-Ebb	Middle	3.25	9:01:00 AM	8.4	8.2	30.7	28.9	2.8	3.0
WSR36	20220806	Sunny	Moderate	Mid-Ebb	Bottom	5.5	9:00:00 AM	8.3	8.1	30.5	29.1	2.7	3.0
WSR36	20220806	Sunny	Moderate	Mid-Ebb	Bottom	5.5	9:00:00 AM	8.4	8.1	30.8	28.9	2.7	2.5
WSR37	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	8:47:00 AM	8.7	8.2	31.1	29.5	2.8	2.5
WSR37	20220806	Sunny	Moderate	Mid-Ebb	Surface	1	8:47:00 AM	8.6	8.2	31.4	29.7	2.7	2.5
WSR37	20220806	Sunny	Moderate	Mid-Ebb	Middle	4.2	8:46:00 AM	8.5	8.2	31.5	29.7	3.0	3.0
WSR37	20220806	Sunny	Moderate	Mid-Ebb	Middle	4.2	8:46:00 AM	8.6	8.3	31.5	29.6	2.7	2.5
WSR37	20220806	Sunny	Moderate	Mid-Ebb	Bottom	7.4	8:45:00 AM	8.6	8.3	31.4	29.5	2.2	2.5
WSR37	20220806	Sunny	Moderate	Mid-Ebb	Bottom	7.4	8:45:00 AM	8.6	8.3	31.4	29.5	2.7	2.5
CE	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	8:08:00 AM	9.1	8.2	31.1	28.6	3.9	4.0
CE	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	8:08:00 AM	9.1	8.3	31.2	28.3	4.0	2.5
CE	20220809	Cloudy	Moderate	Mid-Ebb	Middle	10.75	8:07:00 AM	9.0	8.3	31.2	28.3	4.3	2.5
CE	20220809	Cloudy	Moderate	Mid-Ebb	Middle	10.75	8:07:00 AM	9.0	8.2	31.2	28.6	4.4	2.5
CE	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	20.5	8:06:00 AM	9.1	8.2	31.3	28.5	4.4	2.5
CE	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	20.5	8:06:00 AM	9.1	8.2	31.1	28.5	4.6	3.0
CF	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	10:42:00 AM	8.9	8.3	31.6	28.6	3.4	2.5
CF	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	10:42:00 AM	8.8	8.2	31.6	28.5	3.2	2.5
CF	20220809	Cloudy	Moderate	Mid-Ebb	Middle	10.45	10:41:00 AM	8.8	8.3	31.6	28.5	3.5	4.0
CF	20220809	Cloudy	Moderate	Mid-Ebb	Middle	10.45	10:41:00 AM	8.7	8.2	31.5	28.5	3.4	4.0
CF	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	19.9	10:40:00 AM	8.9	8.2	31.5	28.5	4.0	5.0
CF	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	19.9	10:40:00 AM	8.9	8.2	31.6	28.5	4.2	4.0
WSR01	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	10:19:00 AM	8.6	8.3	31.6	28.5	2.4	3.0
WSR01	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	10:19:00 AM	8.6	8.3	31.6	28.5	2.6	5.0
WSR01	20220809	Cloudy	Moderate	Mid-Ebb	Middle	4.55	10:18:00 AM	8.7	8.4	31.4	28.4	2.3	3.0
WSR01	20220809	Cloudy	Moderate	Mid-Ebb	Middle	4.55	10:18:00 AM	8.6	8.3	31.5	28.4	2.4	5.0
WSR01	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	8.1	10:17:00 AM	8.6	8.3	31.5	28.4	2.2	4.0
WSR01	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	8.1	10:17:00 AM	8.6	8.4	31.5	28.4	2.4	7.0
WSR02	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	10:00:00 AM	9.0	8.3	31.0	28.3	1.9	4.0
WSR02	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	10:00:00 AM	8.9	8.2	30.9	28.4	2.0	5.0
WSR02	20220809	Cloudy	Moderate	Mid-Ebb	Middle	4.75	9:59:00 AM	9.0	8.3	30.9	28.3	1.9	4.0
WSR02	20220809	Cloudy	Moderate	Mid-Ebb	Middle	4.75	9:59:00 AM	8.9	8.2	31.0	28.4	2.0	6.0

WSR02   20220809   Cloudy   Moderate   Mid-Ebb   Bottom   8.5   9.58:00 AM   8.7   8.2   31.3   28.3   2.3   6.0	Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR03   20220809   Cloudy   Moderate   Mid-Ebb   Surface   1   9.46:00 AM   8.7   8.2   31.3   28.6   2.6   3.0	WSR02	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	8.5	9:58:00 AM	9.1	8.3	31.0	28.3	2.3	6.0
WSR03   20220809   Cloudy   Moderate   Mid-Ebb   Surface   1   946:00 AM   8.7   8.2   31.3   28.3   2.9   4.0	WSR02	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	8.5	9:58:00 AM	8.9	8.2	30.8	28.3	2.1	8.0
WSR03   20220809   Cloudy   Moderate   Mid-Ebb   Middle   3.9   9.45:00 AM   8.8   8.3   31.2   28.3   2.4   4.0	WSR03	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	9:46:00 AM	8.7	8.2	31.3	28.6	2.6	3.0
WSR03   20220809   Cloudy   Moderate   Mid-Ebb   Middle   3.9   9.45:00 AM   8.7   8.2   31.2   28.6   2.1   5.0	WSR03	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	9:46:00 AM	8.7	8.2	31.3	28.3	2.9	4.0
WSR03         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.8         9:44:00 AM         8.7         8.2         31.2         28.4         2.1         4.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.8         9:44:00 AM         8.8         8.2         31.2         28.3         2.3         4.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:34:00 AM         9.5         8.3         31.1         28.3         2.1         5.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.8         9:33:00 AM         9.4         8.3         31.0         28.3         2.1         3.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.4         8.3         31.0         28.3         2.1         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.5         8.3         31.2         28.3         2.2	WSR03	20220809	Cloudy	Moderate	Mid-Ebb	Middle	3.9	9:45:00 AM	8.8	8.3	31.2	28.3	2.4	4.0
WSR03         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.8         9:44:00 AM         8.8         8.2         31.2         28.3         2.3         4.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:34:00 AM         9.5         8.3         31.1         28.3         2.1         5.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:34:00 AM         9.5         8.3         31.1         28.3         2.1         5.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Biddle         3.8         9:33:00 AM         9.4         8.3         31.0         28.3         2.1         3.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.5         8.3         31.2         28.3         2.1         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.3         8.2         30.7         28.4         2.6         4.	WSR03	20220809	Cloudy	Moderate	Mid-Ebb	Middle	3.9	9:45:00 AM	8.7	8.2	31.2	28.6	2.1	5.0
WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:34:00 AM         9.4         8.3         31.1         28.3         2.5         3.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:34:00 AM         9.4         8.3         31.1         28.3         2.1         5.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.8         9:33:00 AM         9.4         8.3         31.0         28.3         2.1         3.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.5         8.3         31.2         28.3         2.1         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.3         8.2         30.7         28.4         2.6         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.4         8.2         30.7         28.4         2.6         4.0	WSR03	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	9:44:00 AM	8.7	8.2	31.2	28.4	2.1	4.0
WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:34:00 AM         9.5         8.3         31.1         28.3         2.1         5.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.8         9:33:00 AM         9.4         8.3         31.0         28.3         2.1         3.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.5         8.3         31.2         28.3         2.1         4.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.5         8.3         31.3         28.4         2.0         3.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.3         8.2         30.7         28.4         2.6         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.3         8.2         30.6         28.3         2.2         6.	WSR03	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	9:44:00 AM	8.8	8.2	31.2	28.3	2.3	4.0
WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.8         9:33:00 AM         9.4         8.3         31.0         28.3         2.1         3.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.4         8.3         31.0         28.3         2.1         4.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.5         8.3         31.2         28.3         2.1         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.3         8.2         30.7         28.4         2.6         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Middle         8.25         8:30:00 AM         9.4         8.2         30.7         28.4         2.6         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Middle         8.25         8:30:00 AM         9.2         8.2         30.8         28.4         2.3 <t< td=""><td>WSR04</td><td>20220809</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>9:34:00 AM</td><td>9.4</td><td>8.3</td><td>31.1</td><td>28.3</td><td>2.5</td><td>3.0</td></t<>	WSR04	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	9:34:00 AM	9.4	8.3	31.1	28.3	2.5	3.0
WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.8         9:33:00 AM         9.4         8.3         31.0         28.3         2.2         3.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.5         8.3         31.2         28.3         2.1         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.3         8.2         30.7         28.4         2.6         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.3         8.2         30.7         28.4         2.6         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Middle         8.25         8:30:00 AM         9.3         8.2         30.6         28.3         2.2         6.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.3         8.2         30.8         28.4         2.3 <th< td=""><td>WSR04</td><td>20220809</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>9:34:00 AM</td><td>9.5</td><td>8.3</td><td>31.1</td><td>28.3</td><td>2.1</td><td>5.0</td></th<>	WSR04	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	9:34:00 AM	9.5	8.3	31.1	28.3	2.1	5.0
WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.5         8.3         31.2         28.3         2.1         4.0           WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.5         8.3         31.3         28.4         2.0         3.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.3         8.2         30.7         28.4         2.6         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.3         8.2         30.6         28.3         2.2         6.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.3         8.2         30.8         28.4         2.3         6.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.3         8.2         30.8         28.4         2.2 <th< td=""><td>WSR04</td><td>20220809</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Middle</td><td>3.8</td><td>9:33:00 AM</td><td>9.4</td><td>8.3</td><td>31.0</td><td>28.3</td><td>2.1</td><td>3.0</td></th<>	WSR04	20220809	Cloudy	Moderate	Mid-Ebb	Middle	3.8	9:33:00 AM	9.4	8.3	31.0	28.3	2.1	3.0
WSR04         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.6         9:32:00 AM         9.5         8.3         31.3         28.4         2.0         3.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.3         8.2         30.7         28.4         2.6         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Middle         8.2         8:30:00 AM         9.3         8.2         30.6         28.3         2.2         6.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Middle         8.25         8:30:00 AM         9.3         8.2         30.8         28.4         2.3         6.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.3         8.2         30.8         28.4         2.2         3.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         31.0         28.3         3.1 <th< td=""><td>WSR04</td><td>20220809</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Middle</td><td>3.8</td><td>9:33:00 AM</td><td>9.4</td><td>8.3</td><td>31.0</td><td>28.3</td><td>2.2</td><td>3.0</td></th<>	WSR04	20220809	Cloudy	Moderate	Mid-Ebb	Middle	3.8	9:33:00 AM	9.4	8.3	31.0	28.3	2.2	3.0
WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.3         8.2         30.7         28.4         2.6         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.4         8.2         30.7         28.4         2.6         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Middle         8.25         8:30:00 AM         9.2         8.2         30.8         28.4         2.3         6.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.2         8.2         30.8         28.4         2.2         3.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.4         8.1         30.7         28.3         2.5         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         31.0         28.3         3.1 <td< td=""><td>WSR04</td><td>20220809</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Bottom</td><td>6.6</td><td>9:32:00 AM</td><td>9.5</td><td>8.3</td><td>31.2</td><td>28.3</td><td>2.1</td><td>4.0</td></td<>	WSR04	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	6.6	9:32:00 AM	9.5	8.3	31.2	28.3	2.1	4.0
WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:31:00 AM         9.4         8.2         30.7         28.4         2.6         4.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Middle         8.25         8:30:00 AM         9.3         8.2         30.6         28.3         2.2         6.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.3         8.2         30.8         28.4         2.3         6.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.3         8.2         30.8         28.4         2.2         3.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         31.0         28.3         3.1         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         30.9         28.3         2.5 <th< td=""><td>WSR04</td><td>20220809</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Bottom</td><td>6.6</td><td>9:32:00 AM</td><td>9.5</td><td>8.3</td><td>31.3</td><td>28.4</td><td>2.0</td><td>3.0</td></th<>	WSR04	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	6.6	9:32:00 AM	9.5	8.3	31.3	28.4	2.0	3.0
WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Middle         8.25         8:30:00 AM         9.3         8.2         30.6         28.3         2.2         6.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:30:00 AM         9.2         8.2         30.8         28.4         2.3         6.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.4         8.1         30.7         28.3         2.5         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         31.0         28.3         3.1         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         30.0         28.3         3.1         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.7         9:19:00 AM         8.6         8.2         30.9         28.3         2.5 <t< td=""><td>WSR16</td><td>20220809</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>8:31:00 AM</td><td>9.3</td><td>8.2</td><td>30.7</td><td>28.4</td><td>2.6</td><td>4.0</td></t<>	WSR16	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	8:31:00 AM	9.3	8.2	30.7	28.4	2.6	4.0
WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Middle         8.25         8:30:00 AM         9.2         8.2         30.8         28.4         2.3         6.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.3         8.2         30.8         28.4         2.2         3.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.4         8.1         30.7         28.3         2.5         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         31.0         28.3         3.1         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Midle         3.7         9:19:00 AM         8.6         8.2         30.9         28.3         2.5         5.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.2         31.0         28.3         2.5 <t< td=""><td>WSR16</td><td>20220809</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>8:31:00 AM</td><td>9.4</td><td>8.2</td><td>30.7</td><td>28.4</td><td>2.6</td><td>4.0</td></t<>	WSR16	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	8:31:00 AM	9.4	8.2	30.7	28.4	2.6	4.0
WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.3         8.2         30.8         28.4         2.2         3.0           WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.4         8.1         30.7         28.3         2.5         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         31.0         28.3         3.1         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.7         9:19:00 AM         8.6         8.2         30.9         28.3         2.5         5.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.7         9:19:00 AM         8.6         8.2         31.0         28.3         2.5         5.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.1         31.0         28.3         2.7 <t< td=""><td>WSR16</td><td>20220809</td><td>Cloudy</td><td>Moderate</td><td>Mid-Ebb</td><td>Middle</td><td>8.25</td><td>8:30:00 AM</td><td>9.3</td><td>8.2</td><td>30.6</td><td>28.3</td><td>2.2</td><td>6.0</td></t<>	WSR16	20220809	Cloudy	Moderate	Mid-Ebb	Middle	8.25	8:30:00 AM	9.3	8.2	30.6	28.3	2.2	6.0
WSR16         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         15.5         8:29:00 AM         9.4         8.1         30.7         28.3         2.5         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         31.0         28.3         3.1         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         30.8         28.2         3.0         4.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.7         9:19:00 AM         8.6         8.2         30.9         28.3         2.5         5.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Midle         3.7         9:19:00 AM         8.6         8.2         31.0         28.3         2.5         6.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.1         31.0         28.3         2.7         3	WSR16	20220809	Cloudy	Moderate	Mid-Ebb	Middle	8.25	8:30:00 AM	9.2	8.2	30.8	28.4	2.3	6.0
WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         31.0         28.3         3.1         2.5           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         30.8         28.2         3.0         4.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.7         9:19:00 AM         8.6         8.2         30.9         28.3         2.5         5.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.7         9:19:00 AM         8.6         8.2         31.0         28.3         2.5         6.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.1         31.0         28.3         2.7         3.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.2         31.0         28.3         2.4         4	WSR16	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	15.5	8:29:00 AM	9.3	8.2	30.8	28.4	2.2	3.0
WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:20:00 AM         8.6         8.2         30.8         28.2         3.0         4.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.7         9:19:00 AM         8.6         8.2         30.9         28.3         2.5         5.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.2         31.0         28.3         2.5         6.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.1         31.0         28.3         2.7         3.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         8.9         8.4         31.3         28.5         2.5         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         9.1         8.3         31.4         28.6         2.2         4.	WSR16	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	15.5	8:29:00 AM	9.4	8.1	30.7	28.3	2.5	2.5
WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.7         9:19:00 AM         8.6         8.2         30.9         28.3         2.5         5.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.2         31.0         28.3         2.5         6.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.1         31.0         28.3         2.7         3.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.2         31.0         28.3         2.7         3.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         8.9         8.4         31.3         28.5         2.5         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         9.1         8.3         31.4         28.5         2.1         5	WSR33	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	9:20:00 AM	8.6	8.2	31.0	28.3	3.1	2.5
WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.7         9:19:00 AM         8.6         8.2         31.0         28.3         2.5         6.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.1         31.0         28.3         2.7         3.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.2         31.0         28.3         2.4         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         9.1         8.3         31.4         28.6         2.2         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.3         9:06:00 AM         9.1         8.4         31.2         28.5         2.1         5.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.3         9:06:00 AM         9.0         8.3         31.4         28.5         2.5	WSR33	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	9:20:00 AM	8.6	8.2	30.8	28.2	3.0	4.0
WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.1         31.0         28.3         2.7         3.0           WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.2         31.0         28.3         2.4         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         8.9         8.4         31.3         28.5         2.5         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         9.1         8.3         31.4         28.6         2.2         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.3         9:06:00 AM         9.1         8.4         31.2         28.5         2.1         5.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.4         28.5         2.5         6	WSR33	20220809	Cloudy	Moderate	Mid-Ebb	Middle	3.7	9:19:00 AM	8.6	8.2	30.9	28.3	2.5	5.0
WSR33         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         6.4         9:18:00 AM         8.6         8.2         31.0         28.3         2.4         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         8.9         8.4         31.3         28.5         2.5         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         9.1         8.3         31.4         28.6         2.2         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.3         9:06:00 AM         9.1         8.4         31.2         28.5         2.1         5.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.4         28.5         2.5         6.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.4         28.6         2.0         5	WSR33	20220809	Cloudy	Moderate	Mid-Ebb	Middle	3.7	9:19:00 AM	8.6	8.2	31.0	28.3	2.5	6.0
WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         8.9         8.4         31.3         28.5         2.5         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         9.1         8.3         31.4         28.6         2.2         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.3         9:06:00 AM         9.1         8.4         31.2         28.5         2.1         5.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.3         9:06:00 AM         9.0         8.3         31.4         28.5         2.5         6.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.2         28.3         2.2         7.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.4         28.6         2.0         5	WSR33	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	6.4	9:18:00 AM	8.6	8.1	31.0	28.3	2.7	3.0
WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         9:06:00 AM         9.1         8.3         31.4         28.6         2.2         4.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.3         9:06:00 AM         9.1         8.4         31.2         28.5         2.1         5.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.3         9:06:00 AM         9.0         8.3         31.4         28.5         2.5         6.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.4         28.6         2.2         7.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.4         28.6         2.0         5.0           WSR37         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:53:00 AM         8.9         8.2         30.8         28.3         2.9         3	WSR33	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	6.4	9:18:00 AM	8.6	8.2	31.0	28.3	2.4	4.0
WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.3         9:06:00 AM         9.1         8.4         31.2         28.5         2.1         5.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.3         9:06:00 AM         9.0         8.3         31.4         28.5         2.5         6.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.2         28.3         2.2         7.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.4         28.6         2.0         5.0           WSR37         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:53:00 AM         8.9         8.2         30.8         28.3         2.9         3.0	WSR36	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	9:06:00 AM	8.9	8.4	31.3	28.5	2.5	4.0
WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Middle         3.3         9:06:00 AM         9.0         8.3         31.4         28.5         2.5         6.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.2         28.3         2.2         7.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.4         28.6         2.0         5.0           WSR37         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:53:00 AM         8.9         8.2         30.8         28.3         2.9         3.0	WSR36	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	9:06:00 AM	9.1	8.3	31.4	28.6	2.2	4.0
WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.2         28.3         2.2         7.0           WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.4         28.6         2.0         5.0           WSR37         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:53:00 AM         8.9         8.2         30.8         28.3         2.9         3.0	WSR36	20220809	Cloudy	Moderate	Mid-Ebb	Middle	3.3	9:06:00 AM	9.1	8.4	31.2	28.5	2.1	5.0
WSR36         20220809         Cloudy         Moderate         Mid-Ebb         Bottom         5.6         9:05:00 AM         9.0         8.3         31.4         28.6         2.0         5.0           WSR37         20220809         Cloudy         Moderate         Mid-Ebb         Surface         1         8:53:00 AM         8.9         8.2         30.8         28.3         2.9         3.0	WSR36	20220809	Cloudy	Moderate	Mid-Ebb	Middle	3.3	9:06:00 AM	9.0	8.3	31.4	28.5	2.5	6.0
WSR37 20220809 Cloudy Moderate Mid-Ebb Surface 1 8:53:00 AM 8.9 8.2 30.8 28.3 2.9 3.0	WSR36	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	5.6	9:05:00 AM	9.0	8.3	31.2	28.3	2.2	7.0
·	WSR36	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	5.6	9:05:00 AM	9.0	8.3	31.4	28.6	2.0	5.0
WSR37 20220809 Cloudy Moderate Mid-Ebb Surface 1 8:53:00 AM 8.7 8.1 30.8 28.0 2.8 3.0	WSR37	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	8:53:00 AM	8.9	8.2	30.8	28.3	2.9	3.0
	WSR37	20220809	Cloudy	Moderate	Mid-Ebb	Surface	1	8:53:00 AM	8.7	8.1	30.8	28.0	2.8	3.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR37	20220809	Cloudy	Moderate	Mid-Ebb	Middle	4.4	8:52:00 AM	8.8	8.2	30.7	28.4	2.9	4.0
WSR37	20220809	Cloudy	Moderate	Mid-Ebb	Middle	4.4	8:52:00 AM	8.7	8.2	30.7	28.4	2.6	4.0
WSR37	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	7.8	8:51:00 AM	8.8	8.2	30.7	28.4	2.8	5.0
WSR37	20220809	Cloudy	Moderate	Mid-Ebb	Bottom	7.8	8:51:00 AM	8.8	8.2	30.8	28.4	2.5	5.0
CE	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	9:49:00 AM	8.6	8.2	29.5	28.5	3.5	8.0
CE	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	9:49:00 AM	8.5	8.3	29.6	28.6	3.7	7.0
CE	20220811	Cloudy	Moderate	Mid-Ebb	Middle	10.45	9:48:00 AM	8.4	8.3	29.8	28.5	3.9	7.0
CE	20220811	Cloudy	Moderate	Mid-Ebb	Middle	10.45	9:48:00 AM	8.5	8.2	29.6	28.4	3.7	8.0
CE	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	19.9	9:47:00 AM	8.4	8.3	29.7	28.4	4.2	10.0
CE	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	19.9	9:47:00 AM	8.5	8.2	29.8	28.5	4.1	14.0
CF	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	12:21:00 PM	8.9	8.2	30.2	28.2	3.2	10.0
CF	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	12:21:00 PM	9.0	8.1	30.0	28.3	3.1	8.0
CF	20220811	Cloudy	Moderate	Mid-Ebb	Middle	10.1	12:20:00 PM	9.0	8.2	30.0	28.3	3.3	9.0
CF	20220811	Cloudy	Moderate	Mid-Ebb	Middle	10.1	12:20:00 PM	9.0	8.2	29.9	28.3	3.2	9.0
CF	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	19.2	12:19:00 PM	8.9	8.2	29.9	28.3	3.6	10.0
CF	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	19.2	12:19:00 PM	8.9	8.1	29.9	28.2	3.5	12.0
WSR01	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	11:59:00 AM	8.6	8.2	30.2	28.2	2.6	8.0
WSR01	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	11:59:00 AM	8.7	8.3	29.9	28.3	2.8	9.0
WSR01	20220811	Cloudy	Moderate	Mid-Ebb	Middle	4.4	11:58:00 AM	8.7	8.3	30.1	28.2	2.7	7.0
WSR01	20220811	Cloudy	Moderate	Mid-Ebb	Middle	4.4	11:58:00 AM	8.7	8.2	30.1	28.3	2.3	7.0
WSR01	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	7.8	11:57:00 AM	8.7	8.2	29.8	28.4	2.3	9.0
WSR01	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	7.8	11:57:00 AM	8.7	8.3	30.0	28.3	2.4	6.0
WSR02	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	11:42:00 AM	9.1	8.2	30.3	28.6	2.8	8.0
WSR02	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	11:42:00 AM	9.1	8.3	30.5	28.6	3.1	6.0
WSR02	20220811	Cloudy	Moderate	Mid-Ebb	Middle	4.6	11:41:00 AM	9.0	8.2	30.3	28.4	2.6	4.0
WSR02	20220811	Cloudy	Moderate	Mid-Ebb	Middle	4.6	11:41:00 AM	9.2	8.3	30.3	28.6	2.7	6.0
WSR02	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	8.2	11:40:00 AM	9.2	8.3	30.3	28.6	2.2	7.0
WSR02	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	8.2	11:40:00 AM	9.1	8.2	30.5	28.6	2.6	5.0
WSR03	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	11:26:00 AM	9.0	8.2	30.0	28.2	2.6	8.0
WSR03	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	11:26:00 AM	9.0	8.2	30.0	28.2	2.2	9.0
WSR03	20220811	Cloudy	Moderate	Mid-Ebb	Middle	3.9	11:25:00 AM	8.9	8.2	29.7	28.3	2.4	4.0
WSR03	20220811	Cloudy	Moderate	Mid-Ebb	Middle	3.9	11:25:00 AM	8.9	8.2	29.8	28.3	2.4	5.0
WSR03	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	11:24:00 AM	9.0	8.1	29.8	28.2	2.3	4.0
WSR03	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	6.8	11:24:00 AM	9.0	8.2	29.9	28.3	2.1	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR04	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	11:14:00 AM	9.0	8.3	30.4	28.6	2.8	4.0
WSR04	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	11:14:00 AM	9.2	8.3	30.3	28.6	2.8	4.0
WSR04	20220811	Cloudy	Moderate	Mid-Ebb	Middle	3.8	11:13:00 AM	9.1	8.2	30.5	28.5	2.1	13.0
WSR04	20220811	Cloudy	Moderate	Mid-Ebb	Middle	3.8	11:13:00 AM	9.1	8.2	30.3	28.6	2.1	14.0
WSR04	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	6.6	11:12:00 AM	9.1	8.3	30.5	28.6	2.3	15.0
WSR04	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	6.6	11:12:00 AM	9.1	8.3	30.2	28.6	2.3	13.0
WSR16	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	10:11:00 AM	8.8	8.2	30.3	28.4	2.6	13.0
WSR16	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	10:11:00 AM	8.7	8.3	30.4	28.3	2.3	14.0
WSR16	20220811	Cloudy	Moderate	Mid-Ebb	Middle	8	10:10:00 AM	8.8	8.2	30.4	28.4	2.2	7.0
WSR16	20220811	Cloudy	Moderate	Mid-Ebb	Middle	8	10:10:00 AM	8.8	8.2	30.2	28.4	2.6	6.0
WSR16	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	15	10:09:00 AM	8.8	8.3	30.4	28.4	2.5	6.0
WSR16	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	15	10:09:00 AM	8.8	8.2	30.2	28.3	2.4	6.0
WSR33	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	11:00:00 AM	8.9	8.1	30.0	28.5	2.3	6.0
WSR33	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	11:00:00 AM	9.0	8.2	30.0	28.6	2.5	8.0
WSR33	20220811	Cloudy	Moderate	Mid-Ebb	Middle	3.55	10:59:00 AM	9.0	8.2	30.1	28.4	2.2	8.0
WSR33	20220811	Cloudy	Moderate	Mid-Ebb	Middle	3.55	10:59:00 AM	8.9	8.1	30.1	28.6	2.7	5.0
WSR33	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	6.1	10:58:00 AM	9.0	8.1	30.0	28.4	2.5	6.0
WSR33	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	6.1	10:58:00 AM	9.0	8.2	30.0	28.5	2.6	6.0
WSR36	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	10:46:00 AM	8.9	8.2	30.4	28.3	2.6	6.0
WSR36	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	10:46:00 AM	8.9	8.3	30.6	28.3	2.9	6.0
WSR36	20220811	Cloudy	Moderate	Mid-Ebb	Middle	3.6	10:46:00 AM	8.9	8.3	30.6	28.2	2.7	7.0
WSR36	20220811	Cloudy	Moderate	Mid-Ebb	Middle	3.6	10:46:00 AM	8.9	8.3	30.6	28.2	2.8	7.0
WSR36	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	6.2	10:45:00 AM	9.1	8.2	30.3	28.2	2.5	3.0
WSR36	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	6.2	10:45:00 AM	8.9	8.3	30.3	28.2	2.3	2.5
WSR37	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	10:32:00 AM	8.3	8.3	30.2	28.6	2.4	7.0
WSR37	20220811	Cloudy	Moderate	Mid-Ebb	Surface	1	10:32:00 AM	8.4	8.2	30.4	28.5	2.3	8.0
WSR37	20220811	Cloudy	Moderate	Mid-Ebb	Middle	4.35	10:31:00 AM	8.4	8.2	30.2	28.6	2.7	6.0
WSR37	20220811	Cloudy	Moderate	Mid-Ebb	Middle	4.35	10:31:00 AM	8.4	8.2	30.4	28.6	2.6	6.0
WSR37	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	7.7	10:30:00 AM	8.5	8.2	30.2	28.6	2.6	7.0
WSR37	20220811	Cloudy	Moderate	Mid-Ebb	Bottom	7.7	10:30:00 AM	8.5	8.2	30.4	28.6	2.2	6.0
CE	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	11:47:00 AM	9.2	8.4	29.9	30.3	3.3	4.0
CE	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	11:47:00 AM	9.3	8.3	30.1	30.2	3.3	3.0
CE	20220813	Sunny	Moderate	Mid-Ebb	Middle	10	11:46:00 AM	9.1	8.3	29.9	30.3	3.7	3.0
CE	20220813	Sunny	Moderate	Mid-Ebb	Middle	10	11:46:00 AM	9.1	8.3	30.1	30.3	3.5	3.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
CE	20220813	Sunny	Moderate	Mid-Ebb	Bottom	19	11:45:00 AM	9.3	8.3	30.0	30.3	3.6	3.0
CE	20220813	Sunny	Moderate	Mid-Ebb	Bottom	19	11:45:00 AM	9.1	8.3	29.9	30.4	3.6	5.0
CF	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	2:17:00 PM	8.7	8.1	30.2	30.2	3.0	3.0
CF	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	2:17:00 PM	8.6	8.2	30.2	30.2	3.1	3.0
CF	20220813	Sunny	Moderate	Mid-Ebb	Middle	10.7	2:16:00 PM	8.7	8.2	30.1	30.2	2.9	4.0
CF	20220813	Sunny	Moderate	Mid-Ebb	Middle	10.7	2:16:00 PM	8.6	8.2	30.2	30.2	3.1	4.0
CF	20220813	Sunny	Moderate	Mid-Ebb	Bottom	20.4	2:15:00 PM	8.7	8.1	30.0	30.2	3.2	3.0
CF	20220813	Sunny	Moderate	Mid-Ebb	Bottom	20.4	2:15:00 PM	8.6	8.2	30.1	30.1	3.1	2.5
WSR01	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	1:54:00 PM	9.0	8.1	30.3	30.0	2.4	4.0
WSR01	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	1:54:00 PM	8.9	8.1	30.3	30.0	2.8	4.0
WSR01	20220813	Sunny	Moderate	Mid-Ebb	Middle	4.3	1:53:00 PM	9.0	8.2	30.3	30.0	2.5	4.0
WSR01	20220813	Sunny	Moderate	Mid-Ebb	Middle	4.3	1:53:00 PM	9.1	8.1	30.2	30.1	2.1	3.0
WSR01	20220813	Sunny	Moderate	Mid-Ebb	Bottom	7.6	1:52:00 PM	8.9	8.2	30.2	30.0	2.2	3.0
WSR01	20220813	Sunny	Moderate	Mid-Ebb	Bottom	7.6	1:52:00 PM	9.0	8.2	30.3	30.1	2.2	3.0
WSR02	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	1:37:00 PM	9.0	8.3	30.3	30.2	2.2	4.0
WSR02	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	1:37:00 PM	9.0	8.2	30.3	30.3	2.1	4.0
WSR02	20220813	Sunny	Moderate	Mid-Ebb	Middle	4.6	1:36:00 PM	8.9	8.4	30.3	30.2	2.2	2.5
WSR02	20220813	Sunny	Moderate	Mid-Ebb	Middle	4.6	1:36:00 PM	9.0	8.3	30.4	30.3	2.1	2.5
WSR02	20220813	Sunny	Moderate	Mid-Ebb	Bottom	8.2	1:35:00 PM	8.9	8.3	30.4	30.2	2.4	2.5
WSR02	20220813	Sunny	Moderate	Mid-Ebb	Bottom	8.2	1:35:00 PM	9.0	8.4	30.3	30.3	2.3	2.5
WSR03	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	1:23:00 PM	8.5	8.4	29.7	30.3	2.4	4.0
WSR03	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	1:23:00 PM	8.6	8.3	29.7	30.2	2.6	2.5
WSR03	20220813	Sunny	Moderate	Mid-Ebb	Middle	3.95	1:22:00 PM	8.6	8.4	29.6	30.1	2.2	2.5
WSR03	20220813	Sunny	Moderate	Mid-Ebb	Middle	3.95	1:22:00 PM	8.6	8.3	29.6	30.2	2.5	2.5
WSR03	20220813	Sunny	Moderate	Mid-Ebb	Bottom	6.9	1:21:00 PM	8.7	8.4	29.7	30.3	2.2	2.5
WSR03	20220813	Sunny	Moderate	Mid-Ebb	Bottom	6.9	1:21:00 PM	8.5	8.4	29.6	30.2	2.6	2.5
WSR04	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	1:11:00 PM	8.4	8.2	30.2	30.6	2.9	3.0
WSR04	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	1:11:00 PM	8.5	8.2	30.2	30.6	2.8	2.5
WSR04	20220813	Sunny	Moderate	Mid-Ebb	Middle	3.4	1:10:00 PM	8.4	8.3	30.0	30.7	2.1	2.5
WSR04	20220813	Sunny	Moderate	Mid-Ebb	Middle	3.4	1:10:00 PM	8.3	8.3	30.2	30.7	2.1	2.5
WSR04	20220813	Sunny	Moderate	Mid-Ebb	Bottom	5.8	1:09:00 PM	8.3	8.3	30.2	30.6	2.4	3.0
WSR04	20220813	Sunny	Moderate	Mid-Ebb	Bottom	5.8	1:09:00 PM	8.4	8.3	30.2	30.7	2.6	3.0
WSR16	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	12:09:00 PM	9.0	8.3	30.1	30.5	2.3	2.5
WSR16	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	12:09:00 PM	9.1	8.3	30.1	30.5	2.2	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR16	20220813	Sunny	Moderate	Mid-Ebb	Middle	7.95	12:08:00 PM	9.1	8.2	30.0	30.7	2.4	3.0
WSR16	20220813	Sunny	Moderate	Mid-Ebb	Middle	7.95	12:08:00 PM	9.0	8.3	29.9	30.6	2.1	3.0
WSR16	20220813	Sunny	Moderate	Mid-Ebb	Bottom	14.9	12:07:00 PM	9.1	8.2	30.1	30.7	2.5	6.0
WSR16	20220813	Sunny	Moderate	Mid-Ebb	Bottom	14.9	12:07:00 PM	9.1	8.3	30.0	30.6	2.3	6.0
WSR33	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	12:57:00 PM	8.5	8.4	29.6	30.6	2.7	4.0
WSR33	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	12:57:00 PM	8.5	8.3	29.6	30.4	2.9	4.0
WSR33	20220813	Sunny	Moderate	Mid-Ebb	Middle	3.75	12:56:00 PM	8.6	8.4	29.5	30.6	2.6	5.0
WSR33	20220813	Sunny	Moderate	Mid-Ebb	Middle	3.75	12:56:00 PM	8.5	8.3	29.6	30.5	2.3	5.0
WSR33	20220813	Sunny	Moderate	Mid-Ebb	Bottom	6.5	12:55:00 PM	8.6	8.3	29.8	30.5	2.4	5.0
WSR33	20220813	Sunny	Moderate	Mid-Ebb	Bottom	6.5	12:55:00 PM	8.6	8.4	29.5	30.4	2.7	4.0
WSR36	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	12:43:00 PM	8.7	8.2	30.3	30.1	2.9	2.5
WSR36	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	12:43:00 PM	8.4	8.2	30.4	30.2	2.5	4.0
WSR36	20220813	Sunny	Moderate	Mid-Ebb	Middle	3.6	12:43:00 PM	8.6	8.2	30.2	30.1	2.7	4.0
WSR36	20220813	Sunny	Moderate	Mid-Ebb	Middle	3.6	12:43:00 PM	8.5	8.1	30.3	30.0	2.9	5.0
WSR36	20220813	Sunny	Moderate	Mid-Ebb	Bottom	6.2	12:42:00 PM	8.6	8.2	30.3	30.2	2.6	5.0
WSR36	20220813	Sunny	Moderate	Mid-Ebb	Bottom	6.2	12:42:00 PM	8.4	8.2	30.3	30.1	2.3	5.0
WSR37	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	12:30:00 PM	8.6	8.2	29.8	30.6	2.5	5.0
WSR37	20220813	Sunny	Moderate	Mid-Ebb	Surface	1	12:30:00 PM	8.5	8.2	29.7	30.5	2.5	4.0
WSR37	20220813	Sunny	Moderate	Mid-Ebb	Middle	4.4	12:29:00 PM	8.4	8.2	29.7	30.6	2.6	5.0
WSR37	20220813	Sunny	Moderate	Mid-Ebb	Middle	4.4	12:29:00 PM	8.5	8.2	29.8	30.6	2.3	5.0
WSR37	20220813	Sunny	Moderate	Mid-Ebb	Bottom	7.8	12:28:00 PM	8.5	8.1	29.8	30.6	2.4	3.0
WSR37	20220813	Sunny	Moderate	Mid-Ebb	Bottom	7.8	12:28:00 PM	8.4	8.2	29.7	30.6	2.6	6.0
CE	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	12:45:00 PM	9.3	8.2	29.2	28.6	3.6	12.0
CE	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	12:45:00 PM	9.2	8.2	29.1	28.4	3.4	11.0
CE	20220815	Sunny	Moderate	Mid-Ebb	Middle	10.3	12:44:00 PM	9.1	8.1	29.1	28.5	3.8	13.0
CE	20220815	Sunny	Moderate	Mid-Ebb	Middle	10.3	12:44:00 PM	9.3	8.2	29.0	28.4	3.9	12.0
CE	20220815	Sunny	Moderate	Mid-Ebb	Bottom	19.6	12:43:00 PM	9.0	8.2	29.0	28.6	4.3	13.0
CE	20220815	Sunny	Moderate	Mid-Ebb	Bottom	19.6	12:43:00 PM	9.2	8.2	29.2	28.4	4.1	13.0
CF	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	3:19:00 PM	8.4	8.3	28.1	29.0	3.2	12.0
CF	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	3:19:00 PM	8.6	8.3	28.0	29.1	3.2	12.0
CF	20220815	Sunny	Moderate	Mid-Ebb	Middle	9.85	3:18:00 PM	8.6	8.3	28.2	29.0	3.3	14.0
CF	20220815	Sunny	Moderate	Mid-Ebb	Middle	9.85	3:18:00 PM	8.4	8.3	28.1	29.1	3.4	12.0
CF	20220815	Sunny	Moderate	Mid-Ebb	Bottom	18.7	3:17:00 PM	8.5	8.3	28.1	29.0	3.7	12.0
CF	20220815	Sunny	Moderate	Mid-Ebb	Bottom	18.7	3:17:00 PM	8.4	8.3	28.3	29.1	3.5	14.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR01	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	2:56:00 PM	8.9	8.3	28.2	29.2	2.9	12.0
WSR01	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	2:56:00 PM	8.8	8.3	28.3	29.1	2.7	12.0
WSR01	20220815	Sunny	Moderate	Mid-Ebb	Middle	4.6	2:55:00 PM	8.8	8.3	28.3	29.1	2.5	12.0
WSR01	20220815	Sunny	Moderate	Mid-Ebb	Middle	4.6	2:55:00 PM	8.9	8.3	28.4	29.1	2.6	11.0
WSR01	20220815	Sunny	Moderate	Mid-Ebb	Bottom	8.2	2:54:00 PM	9.0	8.3	28.3	29.2	2.6	12.0
WSR01	20220815	Sunny	Moderate	Mid-Ebb	Bottom	8.2	2:54:00 PM	9.0	8.3	28.4	29.0	2.5	13.0
WSR02	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	2:37:00 PM	8.7	8.3	29.2	28.5	2.0	11.0
WSR02	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	2:37:00 PM	8.7	8.3	29.3	28.5	2.1	13.0
WSR02	20220815	Sunny	Moderate	Mid-Ebb	Middle	4.85	2:36:00 PM	8.6	8.3	29.2	28.4	2.2	3.0
WSR02	20220815	Sunny	Moderate	Mid-Ebb	Middle	4.85	2:36:00 PM	8.7	8.3	29.2	28.5	2.2	5.0
WSR02	20220815	Sunny	Moderate	Mid-Ebb	Bottom	8.7	2:35:00 PM	8.7	8.3	29.2	28.5	2.4	9.0
WSR02	20220815	Sunny	Moderate	Mid-Ebb	Bottom	8.7	2:35:00 PM	8.6	8.3	29.2	28.5	2.3	10.0
WSR03	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	2:21:00 PM	8.5	8.2	29.2	28.6	3.0	9.0
WSR03	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	2:21:00 PM	8.6	8.1	29.2	28.6	2.9	6.0
WSR03	20220815	Sunny	Moderate	Mid-Ebb	Middle	4.2	2:20:00 PM	8.5	8.2	29.3	28.6	3.0	12.0
WSR03	20220815	Sunny	Moderate	Mid-Ebb	Middle	4.2	2:20:00 PM	8.5	8.2	29.2	28.6	2.8	15.0
WSR03	20220815	Sunny	Moderate	Mid-Ebb	Bottom	7.4	2:19:00 PM	8.5	8.2	29.4	28.6	2.7	15.0
WSR03	20220815	Sunny	Moderate	Mid-Ebb	Bottom	7.4	2:19:00 PM	8.4	8.2	29.2	28.7	2.7	14.0
WSR04	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	2:09:00 PM	8.4	8.1	29.2	28.5	2.6	4.0
WSR04	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	2:09:00 PM	8.4	8.2	29.3	28.5	2.6	3.0
WSR04	20220815	Sunny	Moderate	Mid-Ebb	Middle	3.45	2:08:00 PM	8.5	8.2	29.2	28.6	2.6	14.0
WSR04	20220815	Sunny	Moderate	Mid-Ebb	Middle	3.45	2:08:00 PM	8.3	8.2	29.3	28.5	2.5	13.0
WSR04	20220815	Sunny	Moderate	Mid-Ebb	Bottom	5.9	2:07:00 PM	8.7	8.2	29.2	28.6	3.0	13.0
WSR04	20220815	Sunny	Moderate	Mid-Ebb	Bottom	5.9	2:07:00 PM	8.5	8.2	29.4	28.6	2.6	10.0
WSR16	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	1:06:00 PM	9.1	8.3	29.1	28.6	3.2	4.0
WSR16	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	1:06:00 PM	9.1	8.3	29.0	28.6	2.7	3.0
WSR16	20220815	Sunny	Moderate	Mid-Ebb	Middle	7.95	1:05:00 PM	9.2	8.3	29.2	28.6	3.0	2.5
WSR16	20220815	Sunny	Moderate	Mid-Ebb	Middle	7.95	1:05:00 PM	9.0	8.3	29.0	28.5	2.6	3.0
WSR16	20220815	Sunny	Moderate	Mid-Ebb	Bottom	14.9	1:04:00 PM	9.0	8.3	29.1	28.5	3.0	12.0
WSR16	20220815	Sunny	Moderate	Mid-Ebb	Bottom	14.9	1:04:00 PM	9.0	8.3	29.0	28.5	2.8	12.0
WSR33	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	1:55:00 PM	9.2	8.2	29.2	28.9	2.9	11.0
WSR33	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	1:55:00 PM	9.2	8.2	29.0	28.9	2.8	13.0
WSR33	20220815	Sunny	Moderate	Mid-Ebb	Middle	3.6	1:54:00 PM	9.3	8.2	29.0	28.9	3.0	12.0
WSR33	20220815	Sunny	Moderate	Mid-Ebb	Middle	3.6	1:54:00 PM	9.2	8.2	29.2	28.8	2.6	10.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR33	20220815	Sunny	Moderate	Mid-Ebb	Bottom	6.2	1:53:00 PM	9.1	8.2	29.2	28.8	2.8	2.5
WSR33	20220815	Sunny	Moderate	Mid-Ebb	Bottom	6.2	1:53:00 PM	9.1	8.2	28.9	28.9	2.8	2.5
WSR36	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	1:41:00 PM	9.2	8.2	29.0	29.0	3.2	8.0
WSR36	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	1:41:00 PM	9.4	8.2	29.0	28.9	3.0	8.0
WSR36	20220815	Sunny	Moderate	Mid-Ebb	Middle	3.85	1:41:00 PM	9.3	8.2	29.0	29.0	2.7	7.0
WSR36	20220815	Sunny	Moderate	Mid-Ebb	Middle	3.85	1:41:00 PM	9.4	8.2	29.0	29.0	2.9	9.0
WSR36	20220815	Sunny	Moderate	Mid-Ebb	Bottom	6.7	1:40:00 PM	9.2	8.2	28.9	28.9	2.5	12.0
WSR36	20220815	Sunny	Moderate	Mid-Ebb	Bottom	6.7	1:40:00 PM	9.2	8.3	28.9	28.9	2.8	11.0
WSR37	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	1:28:00 PM	9.2	8.3	28.3	28.4	3.2	9.0
WSR37	20220815	Sunny	Moderate	Mid-Ebb	Surface	1	1:28:00 PM	9.4	8.2	28.2	28.4	2.9	6.0
WSR37	20220815	Sunny	Moderate	Mid-Ebb	Middle	4.2	1:27:00 PM	9.2	8.2	28.2	28.4	2.5	9.0
WSR37	20220815	Sunny	Moderate	Mid-Ebb	Middle	4.2	1:27:00 PM	9.5	8.2	28.3	28.5	2.7	9.0
WSR37	20220815	Sunny	Moderate	Mid-Ebb	Bottom	7.4	1:26:00 PM	9.3	8.2	28.3	28.3	2.8	11.0
WSR37	20220815	Sunny	Moderate	Mid-Ebb	Bottom	7.4	1:26:00 PM	9.2	8.2	28.1	28.4	3.0	14.0
CE	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	2:08:00 PM	8.9	8.0	32.8	29.4	3.4	3.0
CE	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	2:08:00 PM	9.0	8.0	32.5	29.3	3.2	2.5
CE	20220817	Sunny	Moderate	Mid-Ebb	Middle	11.95	2:07:00 PM	9.0	8.0	32.6	29.2	3.5	2.5
CE	20220817	Sunny	Moderate	Mid-Ebb	Middle	11.95	2:07:00 PM	8.9	8.0	32.8	29.3	3.4	2.5
CE	20220817	Sunny	Moderate	Mid-Ebb	Bottom	22.9	2:06:00 PM	8.9	8.0	32.4	29.3	3.6	4.0
CE	20220817	Sunny	Moderate	Mid-Ebb	Bottom	22.9	2:06:00 PM	8.9	8.0	32.8	29.2	3.7	2.5
CF	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	4:42:00 PM	8.5	8.1	31.8	29.2	2.7	2.5
CF	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	4:42:00 PM	8.3	8.1	31.4	29.3	2.6	3.0
CF	20220817	Sunny	Moderate	Mid-Ebb	Middle	10.2	4:41:00 PM	8.4	8.1	31.6	29.3	2.8	2.5
CF	20220817	Sunny	Moderate	Mid-Ebb	Middle	10.2	4:41:00 PM	8.3	8.0	31.8	29.4	2.9	2.5
CF	20220817	Sunny	Moderate	Mid-Ebb	Bottom	19.4	4:40:00 PM	8.3	8.1	31.7	29.2	3.1	2.5
CF	20220817	Sunny	Moderate	Mid-Ebb	Bottom	19.4	4:40:00 PM	8.5	8.0	31.5	29.2	3.2	4.0
WSR01	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	4:20:00 PM	8.2	8.0	32.1	29.4	2.6	2.5
WSR01	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	4:20:00 PM	8.2	8.1	31.7	29.3	2.4	2.5
WSR01	20220817	Sunny	Moderate	Mid-Ebb	Middle	4.3	4:19:00 PM	8.3	8.1	32.1	29.4	2.2	2.5
WSR01	20220817	Sunny	Moderate	Mid-Ebb	Middle	4.3	4:19:00 PM	8.1	8.0	32.0	29.3	2.6	2.5
WSR01	20220817	Sunny	Moderate	Mid-Ebb	Bottom	7.6	4:18:00 PM	8.3	8.0	31.7	29.3	2.2	2.5
WSR01	20220817	Sunny	Moderate	Mid-Ebb	Bottom	7.6	4:18:00 PM	8.1	8.1	31.8	29.4	2.4	2.5
WSR02	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	4:02:00 PM	8.1	8.2	31.9	29.1	2.7	2.5
WSR02	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	4:02:00 PM	8.2	8.1	31.9	29.1	3.1	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR02	20220817	Sunny	Moderate	Mid-Ebb	Middle	4.9	4:01:00 PM	8.1	8.1	31.9	29.1	2.8	2.5
WSR02	20220817	Sunny	Moderate	Mid-Ebb	Middle	4.9	4:01:00 PM	8.2	8.1	32.2	29.3	2.8	2.5
WSR02	20220817	Sunny	Moderate	Mid-Ebb	Bottom	8.8	4:00:00 PM	8.1	8.1	31.9	29.2	2.2	2.5
WSR02	20220817	Sunny	Moderate	Mid-Ebb	Bottom	8.8	4:00:00 PM	8.3	8.2	32.0	29.2	2.5	2.5
WSR03	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	3:47:00 PM	8.8	8.0	31.4	29.1	2.0	4.0
WSR03	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	3:47:00 PM	8.6	7.9	31.3	28.9	2.3	2.5
WSR03	20220817	Sunny	Moderate	Mid-Ebb	Middle	4.15	3:46:00 PM	8.7	7.9	31.2	29.1	2.3	3.0
WSR03	20220817	Sunny	Moderate	Mid-Ebb	Middle	4.15	3:46:00 PM	8.7	7.9	31.3	29.0	2.1	5.0
WSR03	20220817	Sunny	Moderate	Mid-Ebb	Bottom	7.3	3:45:00 PM	8.8	7.9	31.3	29.0	2.2	2.5
WSR03	20220817	Sunny	Moderate	Mid-Ebb	Bottom	7.3	3:45:00 PM	8.7	7.9	31.6	29.0	2.0	2.5
WSR04	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	3:34:00 PM	8.6	8.2	32.0	28.9	3.0	2.5
WSR04	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	3:34:00 PM	8.5	8.1	31.7	28.9	3.0	2.5
WSR04	20220817	Sunny	Moderate	Mid-Ebb	Middle	3.85	3:33:00 PM	8.6	8.2	31.7	28.9	2.2	2.5
WSR04	20220817	Sunny	Moderate	Mid-Ebb	Middle	3.85	3:33:00 PM	8.6	8.2	31.6	28.9	2.5	3.0
WSR04	20220817	Sunny	Moderate	Mid-Ebb	Bottom	6.7	3:32:00 PM	8.5	8.2	32.0	29.0	2.4	2.5
WSR04	20220817	Sunny	Moderate	Mid-Ebb	Bottom	6.7	3:32:00 PM	8.5	8.2	31.9	28.9	2.1	2.5
WSR16	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	2:30:00 PM	8.8	8.1	32.2	28.7	2.7	2.5
WSR16	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	2:30:00 PM	9.0	8.0	32.0	28.6	2.8	2.5
WSR16	20220817	Sunny	Moderate	Mid-Ebb	Middle	8.45	2:29:00 PM	8.8	8.1	32.2	28.7	2.8	2.5
WSR16	20220817	Sunny	Moderate	Mid-Ebb	Middle	8.45	2:29:00 PM	8.8	8.1	32.2	28.8	2.4	2.5
WSR16	20220817	Sunny	Moderate	Mid-Ebb	Bottom	15.9	2:28:00 PM	9.0	8.0	32.5	28.8	2.0	2.5
WSR16	20220817	Sunny	Moderate	Mid-Ebb	Bottom	15.9	2:28:00 PM	8.9	8.0	32.0	28.6	2.1	2.5
WSR33	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	3:20:00 PM	8.2	8.0	32.1	28.9	2.4	2.5
WSR33	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	3:20:00 PM	8.2	7.9	32.1	28.9	2.5	2.5
WSR33	20220817	Sunny	Moderate	Mid-Ebb	Middle	3.7	3:19:00 PM	8.1	8.0	32.3	29.0	2.4	2.5
WSR33	20220817	Sunny	Moderate	Mid-Ebb	Middle	3.7	3:19:00 PM	8.2	8.0	32.2	29.0	2.5	2.5
WSR33	20220817	Sunny	Moderate	Mid-Ebb	Bottom	6.4	3:18:00 PM	8.2	8.0	32.4	28.9	2.7	2.5
WSR33	20220817	Sunny	Moderate	Mid-Ebb	Bottom	6.4	3:18:00 PM	8.1	8.0	32.3	29.0	2.4	2.5
WSR36	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	3:06:00 PM	9.0	8.1	31.5	28.6	2.9	2.5
WSR36	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	3:06:00 PM	9.0	8.2	31.6	28.7	2.5	2.5
WSR36	20220817	Sunny	Moderate	Mid-Ebb	Middle	3.05	3:06:00 PM	9.1	8.1	31.8	28.7	2.1	2.5
WSR36	20220817	Sunny	Moderate	Mid-Ebb	Middle	3.05	3:06:00 PM	9.1	8.1	31.8	28.7	2.2	2.5
WSR36	20220817	Sunny	Moderate	Mid-Ebb	Bottom	5.1	3:05:00 PM	9.1	8.2	31.7	28.7	2.0	2.5
WSR36	20220817	Sunny	Moderate	Mid-Ebb	Bottom	5.1	3:05:00 PM	9.1	8.2	31.7	28.6	2.4	3.0

WSR37   20220817   Sunny   Moderate   Mid-Ebb   Surface   1   2.55200 PM   8.2   8.2   31.7   29.2   2.2   2.5	Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR37   20220817   Sunny   Moderate   Mid-Ebb   Middle   4.3   2:51:00 PM   8.2   8.2   31.5   29.2   2.3   7.0	WSR37	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	2:52:00 PM	8.2	8.2	31.7	29.2	2.2	2.5
WSR37   20220817   Sunny   Moderate   Mid-Ebb   Middle   4.3   2.51-00 PM   8.4   8.2   31.8   29.2   2.4   7.0	WSR37	20220817	Sunny	Moderate	Mid-Ebb	Surface	1	2:52:00 PM	8.3	8.2	31.5	29.2	2.0	2.5
WSR37   20220817   Sunny   Moderate   Mid-Ebb   Bottom   7.6   2.50-00 PM   8.3   8.2   31.8   29.2   2.5   2.5	WSR37	20220817	Sunny	Moderate	Mid-Ebb	Middle	4.3	2:51:00 PM	8.2	8.2	31.5	29.2	2.3	7.0
WSR37   Z0220817   Sunny   Moderate   Mid-Ebb   Bottom   7.6   2.50:00 PM   8.2   8.2   31.8   29.2   2.4   2.5	WSR37	20220817	Sunny	Moderate	Mid-Ebb	Middle	4.3	2:51:00 PM	8.4	8.2	31.8	29.2	2.4	7.0
CE         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.3         8.3         31.5         29.3         3.7         2.5           CE         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.4         8.3         31.4         29.4         3.6         2.5           CE         20220821         Sunny         Moderate         Mid-Ebb         Mid-Ebb         Middle         12.05         8:01:00 AM         8.3         8.3         31.5         29.3         4.0         2.5           CE         20220821         Sunny         Moderate         Mid-Ebb         Bottom         23.1         8:00:00 AM         8.3         8.3         31.5         29.3         4.2         14.0           CE         20220821         Sunny         Moderate         Mid-Ebb         Bottom         23.1         8:00:00 AM         8.3         8.3         31.5         29.3         4.2         14.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.4         29.7         3.1	WSR37	20220817	Sunny	Moderate	Mid-Ebb	Bottom	7.6	2:50:00 PM	8.3	8.2	31.8	29.2	2.5	2.5
CE         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:02:00 AM         8.4         8.3         31.4         29.4         3.6         2.5           CE         20220821         Sunny         Moderate         Mid-Ebb         Middle         12.05         8:01:00 AM         8.3         8.3         31.5         29.3         4.0         2.5           CE         20220821         Sunny         Moderate         Mid-Ebb         Bottom         23.1         8:00:00 AM         8.3         8.3         31.4         29.6         4.2         14.0           CE         20220821         Sunny         Moderate         Mid-Ebb         Bottom         23.1         8:00:00 AM         8.3         8.3         31.5         29.3         4.2         14.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.4         29.7         3.2         3.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Midle         10.45         10:39:00 AM         8.3         8.3         31.4         29.7         3.4         2.5 <td>WSR37</td> <td>20220817</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>7.6</td> <td>2:50:00 PM</td> <td>8.2</td> <td>8.2</td> <td>31.8</td> <td>29.2</td> <td>2.4</td> <td>2.5</td>	WSR37	20220817	Sunny	Moderate	Mid-Ebb	Bottom	7.6	2:50:00 PM	8.2	8.2	31.8	29.2	2.4	2.5
CE         20220821         Sunny         Moderate         Mid-Ebb         Middle         12.05         8:01:00 AM         8.3         8.3         31.5         29.3         4.0         2.5           CE         20220821         Sunny         Moderate         Mid-Ebb         Bottom         23.1         8:00:00 AM         8.3         8.3         31.5         29.4         3.9         4.0           CE         20220821         Sunny         Moderate         Mid-Ebb         Bottom         23.1         8:00:00 AM         8.3         3.1         29.6         4.2         14.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.4         29.7         3.2         3.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.6         29.9         3.1         3.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Middle         10.45         10:39:00 AM         8.3         3.3         31.4         29.7         3.4         2.5           <	CE	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	8:02:00 AM	8.3	8.3	31.5	29.3	3.7	2.5
CE         20220821         Sunny         Moderate         Mid-Ebb         Middle         12.05         8.01:00 AM         8.3         8.3         31.5         29.4         3.9         4.0           CE         20220821         Sunny         Moderate         Mid-Ebb         Bottom         23.1         8.00:00 AM         8.3         8.3         31.5         29.4         4.2         14.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         23.1         8.00:00 AM         8.3         8.3         31.5         29.3         4.2         14.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.4         29.7         3.2         3.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Midle         10.45         10:39:00 AM         8.3         8.3         31.4         30.0         3.5         2.5           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.7         3.5         11.0	CE	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	8:02:00 AM	8.4	8.3	31.4	29.4	3.6	2.5
CE         20220821         Sunny         Moderate         Mid-Ebb         Bottom         23.1         8:00:00 AM         8.3         8.3         31.4         29.6         4.2         14:0           CE         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.5         29.3         4.2         14:0           CF         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.4         29.7         3.2         3.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Midle         10:45         10:39:00 AM         8.3         8.3         31.4         29.7         3.4         2.5           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.7         3.4         2.5           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.9         3.6         11.0	CE	20220821	Sunny	Moderate	Mid-Ebb	Middle	12.05	8:01:00 AM	8.3	8.3	31.5	29.3	4.0	2.5
CE         20220821         Sunny         Moderate         Mid-Ebb         Bottom         23.1         8:00:00 AM         8.3         8.3         31.5         29.3         4.2         14:0           CF         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.4         29.7         3.2         3.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.6         29.9         3.1         3.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Middle         10.45         10:39:00 AM         8.4         8.2         31.4         29.7         3.4         2.5           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.7         3.5         11.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.9         3.6         11.0	CE	20220821	Sunny	Moderate	Mid-Ebb	Middle	12.05	8:01:00 AM	8.3	8.3	31.5	29.4	3.9	4.0
CF         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.4         29.7         3.2         3.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.6         29.9         3.1         3.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Middle         10.45         10:39:00 AM         8.3         8.3         31.4         20.0         3.5         2.5           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.7         3.5         11.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.9         3.6         11.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.4         8.3         30.6         30.0         2.8         4.0	CE	20220821	Sunny	Moderate	Mid-Ebb	Bottom	23.1	8:00:00 AM	8.3	8.3	31.4	29.6	4.2	14.0
CF         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:40:00 AM         8.3         8.3         31.6         29.9         3.1         3.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Middle         10:45:00 AM         8.3         8.3         31.4         30.0         3.5         2.5           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.7         3.4         2.5           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.3         31.5         29.7         3.5         11.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.4         8.3         30.6         30.0         2.8         4.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.3         10:16:00 AM         8.3         8.3         30.6         30.1         2.4         2.5	CE	20220821	Sunny	Moderate	Mid-Ebb	Bottom	23.1	8:00:00 AM	8.3	8.3	31.5	29.3	4.2	14.0
CF         20220821         Sunny         Moderate         Mid-Ebb         Middle         10.45         10:39:00 AM         8.3         8.3         31.4         30.0         3.5         2.5           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.7         3.5         11.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.9         3.6         11.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.4         8.2         31.4         29.9         3.6         11.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.3         30.6         30.1         2.4         2.5           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.3         10:16:00 AM         8.3         30.7         29.8         2.2         4.0           WSR01	CF	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	10:40:00 AM	8.3	8.3	31.4	29.7	3.2	3.0
CF         20220821         Sunny         Moderate         Mid-Ebb         Middle         10.45         10:39:00 AM         8.4         8.2         31.4         29.7         3.4         2.5           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.3         31.5         29.7         3.5         11.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.4         8.2         31.4         29.9         3.6         11.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.4         8.3         30.6         30.0         2.8         4.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.3         8.3         30.6         30.1         2.4         2.5           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.3         10:16:00 AM         8.4         8.3         30.8         29.9         2.6         5.0	CF	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	10:40:00 AM	8.3	8.3	31.6	29.9	3.1	3.0
CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.3         31.5         29.7         3.5         11.0           CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.9         3.6         11.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.4         8.3         30.6         30.0         2.8         4.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.3         8.3         30.6         30.1         2.4         2.5           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.3         10:16:00 AM         8.3         8.3         30.6         29.9         2.6         5.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.9         2.9         2.5	CF	20220821	Sunny	Moderate	Mid-Ebb	Middle	10.45	10:39:00 AM	8.3	8.3	31.4	30.0	3.5	2.5
CF         20220821         Sunny         Moderate         Mid-Ebb         Bottom         19.9         10:38:00 AM         8.4         8.2         31.4         29.9         3.6         11.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.4         8.3         30.6         30.0         2.8         4.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.3         30.6         30.1         2.4         2.5           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.3         10:16:00 AM         8.3         8.3         30.6         30.1         2.4         2.5           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.9         2.6         5.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.9         2.9         2.5	CF	20220821	Sunny	Moderate	Mid-Ebb	Middle	10.45	10:39:00 AM	8.4	8.2	31.4	29.7	3.4	2.5
WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.4         8.3         30.6         30.0         2.8         4.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.3         8.3         30.6         30.1         2.4         2.5           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.3         10:16:00 AM         8.4         8.3         30.7         29.8         2.2         4.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Midle         4.3         10:15:00 AM         8.4         8.3         30.8         29.9         2.6         5.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.9         2.9         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:58:00 AM         9.0         8.2         30.6         29.4         2.0         2.5<	CF	20220821	Sunny	Moderate	Mid-Ebb	Bottom	19.9	10:38:00 AM	8.4	8.3	31.5	29.7	3.5	11.0
WSR01         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         10:17:00 AM         8.3         8.3         30.6         30.1         2.4         2.5           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.3         10:16:00 AM         8.3         8.3         30.7         29.8         2.2         4.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.4         8.3         30.6         29.9         2.6         5.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.9         2.9         2.5           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.9         2.9         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:58:00 AM         9.0         8.2         30.6         29.4         2.0         2.	CF	20220821	Sunny	Moderate	Mid-Ebb	Bottom	19.9	10:38:00 AM	8.4	8.2	31.4	29.9	3.6	11.0
WSR01         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.3         10:16:00 AM         8.3         8.3         30.7         29.8         2.2         4.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.3         10:16:00 AM         8.4         8.3         30.8         29.9         2.6         5.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.9         2.9         2.5           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.9         2.9         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:58:00 AM         9.0         8.2         30.6         29.4         2.0         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.8         9:57:00 AM         9.0         8.2         30.7         29.3         2.1         2.	WSR01	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	10:17:00 AM	8.4	8.3	30.6	30.0	2.8	4.0
WSR01         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.3         10:16:00 AM         8.4         8.3         30.8         29.9         2.6         5.0           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.9         2.9         2.5           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.9         2.9         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:58:00 AM         9.0         8.2         30.6         29.4         2.0         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:58:00 AM         9.0         8.2         30.7         29.5         1.9         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.8         9:57:00 AM         9.0         8.2         30.7         29.3         2.1         2.5<	WSR01	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	10:17:00 AM	8.3	8.3	30.6	30.1	2.4	2.5
WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.9         2.9         2.5           WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.8         2.8         3.0           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:58:00 AM         9.0         8.2         30.6         29.4         2.0         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:58:00 AM         9.0         8.2         30.7         29.5         1.9         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.8         9:57:00 AM         9.0         8.2         30.7         29.3         2.1         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.7         29.3         2.1         2.5 </td <td>WSR01</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Middle</td> <td>4.3</td> <td>10:16:00 AM</td> <td>8.3</td> <td>8.3</td> <td>30.7</td> <td>29.8</td> <td>2.2</td> <td>4.0</td>	WSR01	20220821	Sunny	Moderate	Mid-Ebb	Middle	4.3	10:16:00 AM	8.3	8.3	30.7	29.8	2.2	4.0
WSR01         20220821         Sunny         Moderate         Mid-Ebb         Bottom         7.6         10:15:00 AM         8.5         8.3         30.6         29.8         2.8         3.0           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:58:00 AM         9.0         8.2         30.6         29.4         2.0         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.8         9:57:00 AM         9.0         8.2         30.7         29.3         2.1         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.8         9:57:00 AM         9.0         8.2         30.7         29.3         2.1         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.7         29.3         2.1         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.6         29.5         2.3         2.5 </td <td>WSR01</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Middle</td> <td>4.3</td> <td>10:16:00 AM</td> <td>8.4</td> <td>8.3</td> <td>30.8</td> <td>29.9</td> <td>2.6</td> <td>5.0</td>	WSR01	20220821	Sunny	Moderate	Mid-Ebb	Middle	4.3	10:16:00 AM	8.4	8.3	30.8	29.9	2.6	5.0
WSR02         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:58:00 AM         9.0         8.2         30.6         29.4         2.0         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:58:00 AM         9.0         8.2         30.7         29.5         1.9         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.8         9:57:00 AM         9.0         8.2         30.7         29.3         2.1         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.8         9:57:00 AM         9.2         8.2         30.7         29.3         2.1         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.7         29.4         2.4         2.5           WSR03         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.6         29.5         2.3         2.5 <td>WSR01</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>7.6</td> <td>10:15:00 AM</td> <td>8.5</td> <td>8.3</td> <td>30.6</td> <td>29.9</td> <td>2.9</td> <td>2.5</td>	WSR01	20220821	Sunny	Moderate	Mid-Ebb	Bottom	7.6	10:15:00 AM	8.5	8.3	30.6	29.9	2.9	2.5
WSR02         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:58:00 AM         9.0         8.2         30.7         29.5         1.9         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.8         9:57:00 AM         9.0         8.2         30.7         29.3         2.1         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.7         29.3         2.1         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.7         29.4         2.4         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.6         29.5         2.3         2.5           WSR03         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.3         8.2         30.0         29.8         2.7         2.5 <td>WSR01</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>7.6</td> <td>10:15:00 AM</td> <td>8.5</td> <td>8.3</td> <td>30.6</td> <td>29.8</td> <td>2.8</td> <td>3.0</td>	WSR01	20220821	Sunny	Moderate	Mid-Ebb	Bottom	7.6	10:15:00 AM	8.5	8.3	30.6	29.8	2.8	3.0
WSR02         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.8         9:57:00 AM         9.0         8.2         30.7         29.3         2.1         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.8         9:57:00 AM         9.2         8.2         30.7         29.3         2.1         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.7         29.4         2.4         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.6         29.5         2.3         2.5           WSR03         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.3         8.2         30.8         29.9         2.9         2.5           WSR03         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.3         8.2         31.0         29.8         2.7         2.5 <td>WSR02</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Surface</td> <td>1</td> <td>9:58:00 AM</td> <td>9.0</td> <td>8.2</td> <td>30.6</td> <td>29.4</td> <td>2.0</td> <td>2.5</td>	WSR02	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	9:58:00 AM	9.0	8.2	30.6	29.4	2.0	2.5
WSR02         20220821         Sunny         Moderate         Mid-Ebb         Middle         4.8         9:57:00 AM         9.2         8.2         30.7         29.3         2.1         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.7         29.4         2.4         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.6         29.5         2.3         2.5           WSR03         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.3         8.2         30.8         29.9         2.9         2.5           WSR03         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.3         8.2         31.0         29.8         2.7         2.5	WSR02	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	9:58:00 AM	9.0	8.2	30.7	29.5	1.9	2.5
WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.7         29.4         2.4         2.5           WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.6         29.5         2.3         2.5           WSR03         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.3         8.2         31.0         29.8         2.7         2.5           WSR03         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.3         8.2         31.0         29.8         2.7         2.5	WSR02	20220821	Sunny	Moderate	Mid-Ebb	Middle	4.8	9:57:00 AM	9.0	8.2	30.7	29.3	2.1	2.5
WSR02         20220821         Sunny         Moderate         Mid-Ebb         Bottom         8.6         9:56:00 AM         9.1         8.2         30.6         29.5         2.3         2.5           WSR03         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.3         8.2         30.8         29.9         2.9         2.5           WSR03         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.3         8.2         31.0         29.8         2.7         2.5	WSR02	20220821	Sunny	Moderate	Mid-Ebb	Middle	4.8	9:57:00 AM	9.2	8.2	30.7	29.3	2.1	2.5
WSR03         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.3         8.2         30.8         29.9         2.9         2.5           WSR03         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.3         8.2         31.0         29.8         2.7         2.5	WSR02	20220821	Sunny	Moderate	Mid-Ebb	Bottom	8.6	9:56:00 AM	9.1	8.2	30.7	29.4	2.4	2.5
WSR03 20220821 Sunny Moderate Mid-Ebb Surface 1 9:42:00 AM 8.3 8.2 31.0 29.8 2.7 2.5	WSR02	20220821	Sunny	Moderate	Mid-Ebb	Bottom	8.6	9:56:00 AM	9.1	8.2	30.6	29.5	2.3	2.5
·	WSR03	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	9:42:00 AM	8.3	8.2	30.8	29.9	2.9	2.5
WSR03 20220821 Sunny Moderate Mid-Ebb Middle 3.75 9:41:00 AM 8.3 8.2 31.0 29.9 3.1 2.5	WSR03	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	9:42:00 AM	8.3	8.2	31.0	29.8	2.7	2.5
Total Local Carry Tradition File and Fi	WSR03	20220821	Sunny	Moderate	Mid-Ebb	Middle	3.75	9:41:00 AM	8.3	8.2	31.0	29.9	3.1	2.5

WSR03   20220821   Sunny   Moderate   Mid-Ebb   Bottom   6.5   9:40:00 AM   8.4   8.2   30.8   29.8   2.9   2.5	Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR03   20220821   Sunny   Moderate   Mid-Ebb   Bottom   6.5   9:40:00 AM   8.3   8.2   31.0   29.8   3.1   2.5	WSR03	20220821	Sunny	Moderate	Mid-Ebb	Middle	3.75	9:41:00 AM	8.4	8.2	30.8	29.8	2.9	2.5
WSR04         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:30:00 AM         8.9         8.2         30.7         2.96         2.9         2.5           WSR04         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:30:00 AM         8.8         8.3         30.7         2.97         2.7         2.5           WSR04         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.7         9:29:00 AM         8.8         8.3         30.7         2.97         2.8         2.5           WSR04         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6.4         9:28:00 AM         8.9         8.2         30.7         2.97         2.8         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:26:00 AM         8.9         8.2         30.5         2.97         3.2         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:26:00 AM         8.4         8.2         31.6         29.2         2.8         2.5	WSR03	20220821	Sunny	Moderate	Mid-Ebb	Bottom	6.5	9:40:00 AM	8.3	8.2	31.0	29.8	3.3	2.5
WSR04         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:30:00 AM         8.8         8.3         30.7         2.9.7         2.7         2.5           WSR04         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.7         9:29:00 AM         8.9         8.3         30.7         2.9.7         2.8         2.5           WSR04         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6.4         9:28:00 AM         8.9         8.2         30.7         2.9.7         3.2         2.5           WSR04         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6.4         9:28:00 AM         8.9         8.2         30.7         2.9.7         3.2         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:26:00 AM         8.9         8.3         30.5         2.9.7         3.2         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:26:00 AM         8.3         3.3         3.16         29.5         2.5         2.5	WSR03	20220821	Sunny	Moderate	Mid-Ebb	Bottom	6.5	9:40:00 AM	8.3	8.2	31.0	29.8	3.1	2.5
WSR04         20220821         Sunny         Moderate         Mid-lebb         Middle         3.7         9:29:00 AM         8.9         8.3         30.7         29.6         2.9         2.5           WSR04         20220821         Sunny         Moderate         Mid-lebb         Bottom         6.4         9:28:00 AM         8.9         8.2         30.7         29.7         2.8         2.5           WSR04         20220821         Sunny         Moderate         Mid-lebb         Bottom         6.4         9:28:00 AM         8.9         8.2         30.7         29.7         3.2         2.5           WSR16         20220821         Sunny         Moderate         Mid-lebb         Surface         1         8:26:00 AM         8.9         8.3         30.5         29.7         3.3         2.5           WSR16         20220821         Sunny         Moderate         Mid-lebb         Surface         1         8:26:00 AM         8.4         8.3         31.6         29.2         2.8         2.5           WSR16         20220821         Sunny         Moderate         Mid-lebb         Bottom         14.4         8:24:00 AM         8.3         8.3         31.6         29.5         2.5	WSR04	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	9:30:00 AM	8.9	8.2	30.7	29.6	2.9	2.5
WSR04         20220821         Sunny         Moderate         Middle         3.7         9:29:00 AM         8.8         8.3         30.7         29.7         2.8         2.5           WSR04         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6.4         9:28:00 AM         8.9         8.2         30.7         29.7         3.2         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6.4         9:28:00 AM         8.9         8.2         30.7         29.7         3.3         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:26:00 AM         8.4         8.2         31.6         29.5         2.8         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Middle         7.7         8:25:00 AM         8.3         3.1.6         29.2         2.8         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.5         8.3         31.8         29.3         2.7         2.5 <t< td=""><td>WSR04</td><td>20220821</td><td>Sunny</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>9:30:00 AM</td><td>8.8</td><td>8.3</td><td>30.7</td><td>29.7</td><td>2.7</td><td>2.5</td></t<>	WSR04	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	9:30:00 AM	8.8	8.3	30.7	29.7	2.7	2.5
WSR04         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6.4         9:28:00 AM         8.9         8.2         30.7         29.7         3.2         2.5           WSR04         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:26:00 AM         8.9         8.3         30.5         29.7         3.3         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:26:00 AM         8.4         8.2         31.6         29.5         2.8         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Middle         7.7         8:25:00 AM         8.4         8.3         31.6         29.2         2.8         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.4         8.3         31.8         29.3         2.7         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.4         8.3         31.8         29.4         2.7         2.5 </td <td>WSR04</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Middle</td> <td>3.7</td> <td>9:29:00 AM</td> <td>8.9</td> <td>8.3</td> <td>30.7</td> <td>29.6</td> <td>2.9</td> <td>2.5</td>	WSR04	20220821	Sunny	Moderate	Mid-Ebb	Middle	3.7	9:29:00 AM	8.9	8.3	30.7	29.6	2.9	2.5
WSR04         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6.4         9:28:00 AM         8.9         8.3         30.5         29.7         3.3         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:26:00 AM         8.4         8.2         31.6         29.5         2.8         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:26:00 AM         8.4         8.3         31.6         29.2         2.8         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Middle         7.7         8:25:00 AM         8.3         8.3         31.6         29.4         2.3         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.4         8.3         31.8         29.4         2.7         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.8         8.3         31.8         29.4         2.7         2.5 </td <td>WSR04</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Middle</td> <td>3.7</td> <td>9:29:00 AM</td> <td>8.8</td> <td>8.3</td> <td>30.7</td> <td>29.7</td> <td>2.8</td> <td>2.5</td>	WSR04	20220821	Sunny	Moderate	Mid-Ebb	Middle	3.7	9:29:00 AM	8.8	8.3	30.7	29.7	2.8	2.5
WSR16         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:26:00 AM         8.4         8.2         31.6         29.5         2.8         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Middle         7.7         8:25:00 AM         8.4         8.3         31.6         29.2         2.8         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Middle         7.7         8:25:00 AM         8.3         8.3         31.6         29.2         2.5         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.4         8.3         31.8         29.4         2.7         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.5         8.3         31.8         29.4         2.7         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.9         8.2         31.5         30.0         3.2         2.5 </td <td>WSR04</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>6.4</td> <td>9:28:00 AM</td> <td>8.9</td> <td>8.2</td> <td>30.7</td> <td>29.7</td> <td>3.2</td> <td>2.5</td>	WSR04	20220821	Sunny	Moderate	Mid-Ebb	Bottom	6.4	9:28:00 AM	8.9	8.2	30.7	29.7	3.2	2.5
WSR16         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:26:00 AM         8.4         8.3         31.6         29.2         2.8         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Middle         7.7         8:25:00 AM         8.3         8.3         31.6         29.2         2.5         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.4         8.3         31.8         29.3         2.7         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.4         8.3         31.8         29.4         2.7         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.8         8.3         31.5         30.0         3.2         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.9         8.2         31.5         29.7         3.6         2.5 <td>WSR04</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>6.4</td> <td>9:28:00 AM</td> <td>8.9</td> <td>8.3</td> <td>30.5</td> <td>29.7</td> <td>3.3</td> <td>2.5</td>	WSR04	20220821	Sunny	Moderate	Mid-Ebb	Bottom	6.4	9:28:00 AM	8.9	8.3	30.5	29.7	3.3	2.5
WSR16         20220821         Sunny         Moderate         Mid-Ebb         Middle         7.7         8:25:00 AM         8.3         8.3         31.6         29.5         2.5         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:25:00 AM         8.3         31.6         29.4         2.3         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.5         8.3         31.8         29.3         2.7         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.8         8.3         31.5         30.0         3.2         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.9         8.2         31.5         29.7         3.6         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Midle         3.5         9:15:00 AM         8.9         8.2         31.6         29.7         3.1         2.5	WSR16	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	8:26:00 AM	8.4	8.2	31.6	29.5	2.8	2.5
WSR16         20220821         Sunny         Moderate         Mid-Ebb         Middle         7.7         8:25:00 AM         8.3         3.3         31.6         29.4         2.3         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.4         8.3         31.8         29.3         2.7         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.8         8.3         31.5         30.0         3.2         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.9         8.2         31.5         29.7         3.6         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.5         9:15:00 AM         8.9         8.2         31.6         29.7         3.3         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb <td>WSR16</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Surface</td> <td>1</td> <td>8:26:00 AM</td> <td>8.4</td> <td>8.3</td> <td>31.6</td> <td>29.2</td> <td>2.8</td> <td>2.5</td>	WSR16	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	8:26:00 AM	8.4	8.3	31.6	29.2	2.8	2.5
WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.4         8.3         31.8         29.3         2.7         2.5           WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.5         8.3         31.8         29.4         2.7         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.8         8.3         31.5         30.0         3.2         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Midle         3.5         9:15:00 AM         8.9         8.2         31.6         29.7         3.6         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Midle         3.5         9:15:00 AM         8.9         8.2         31.6         29.7         3.3         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.8         8.2         31.7         29.9         3.0         2.5	WSR16	20220821	Sunny	Moderate	Mid-Ebb	Middle	7.7	8:25:00 AM	8.3	8.3	31.6	29.5	2.5	2.5
WSR16         20220821         Sunny         Moderate         Mid-Ebb         Bottom         14.4         8:24:00 AM         8.5         8.3         31.8         29.4         2.7         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.8         8.3         31.5         30.0         3.2         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Midle         3.5         9:15:00 AM         8.9         8.2         31.6         29.7         3.6         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Midle         3.5         9:15:00 AM         9.0         8.3         31.6         29.7         3.1         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.8         8.2         31.7         29.9         3.0         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.9         8.2         31.7         29.9         3.0         2.5	WSR16	20220821	Sunny	Moderate	Mid-Ebb	Middle	7.7	8:25:00 AM	8.3	8.3	31.6	29.4	2.3	2.5
WSR33         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.8         8.3         31.5         30.0         3.2         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.9         8.2         31.5         29.7         3.6         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.5         9:15:00 AM         8.9         8.2         31.6         29.7         3.3         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.8         8.2         31.5         29.9         3.0         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.8         8.2         31.7         29.9         3.0         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:01:00 AM         8.3         8.3         30.6         29.4         2.6         2.5	WSR16	20220821	Sunny	Moderate	Mid-Ebb	Bottom	14.4	8:24:00 AM	8.4	8.3	31.8	29.3	2.7	2.5
WSR33         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:16:00 AM         8.9         8.2         31.5         29.7         3.6         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.5         9:15:00 AM         8.9         8.2         31.6         29.7         3.1         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.8         8.2         31.5         29.9         3.0         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.8         8.2         31.7         29.9         3.0         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:01:00 AM         8.3         8.3         30.6         29.4         2.6         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:01:00 AM         8.3         8.3         30.7         29.5         2.3         2.5	WSR16	20220821	Sunny	Moderate	Mid-Ebb	Bottom	14.4	8:24:00 AM	8.5	8.3	31.8	29.4	2.7	2.5
WSR33         20220821         Sunny         Moderate         Middle         3.5         9:15:00 AM         8.9         8.2         31.6         29.7         3.3         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.5         9:15:00 AM         9.0         8.3         31.6         29.7         3.1         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.8         8.2         31.5         29.9         3.0         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:01:00 AM         8.3         8.3         30.6         29.4         2.6         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:01:00 AM         8.3         8.3         30.7         29.5         2.3         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Midle         3.15         9:01:00 AM         8.5         8.3         30.7         29.5         2.4         2.5	WSR33	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	9:16:00 AM	8.8	8.3	31.5	30.0	3.2	2.5
WSR33         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.5         9:15:00 AM         9.0         8.3         31.6         29.7         3.1         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.8         8.2         31.5         29.9         3.0         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.9         8.2         31.7         29.9         3.3         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:01:00 AM         8.3         8.3         30.6         29.4         2.6         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.3         8.3         30.7         29.5         2.3         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.4         8.3         30.7         29.5         2.4         2.5	WSR33	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	9:16:00 AM	8.9	8.2	31.5	29.7	3.6	2.5
WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.8         8.2         31.5         29.9         3.0         2.5           WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.9         8.2         31.7         29.9         3.3         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:01:00 AM         8.3         8.3         30.6         29.4         2.6         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.3         8.3         30.7         29.5         2.3         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.4         8.3         30.7         29.5         2.4         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.4         8.3         30.7         29.7         2.4         2.5	WSR33	20220821	Sunny	Moderate	Mid-Ebb	Middle	3.5	9:15:00 AM	8.9	8.2	31.6	29.7	3.3	2.5
WSR33         20220821         Sunny         Moderate         Mid-Ebb         Bottom         6         9:14:00 AM         8.9         8.2         31.7         29.9         3.3         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:01:00 AM         8.3         8.3         30.6         29.4         2.6         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.5         8.3         30.7         29.5         2.4         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.5         8.3         30.7         29.5         2.4         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.4         8.3         30.7         29.5         2.4         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.4         8.3         30.8         29.5         2.2         2.5 </td <td>WSR33</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Middle</td> <td>3.5</td> <td>9:15:00 AM</td> <td>9.0</td> <td>8.3</td> <td>31.6</td> <td>29.7</td> <td>3.1</td> <td>2.5</td>	WSR33	20220821	Sunny	Moderate	Mid-Ebb	Middle	3.5	9:15:00 AM	9.0	8.3	31.6	29.7	3.1	2.5
WSR36         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:01:00 AM         8.3         8.3         30.6         29.4         2.6         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:01:00 AM         8.3         8.3         30.7         29.5         2.3         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.5         8.3         30.7         29.5         2.4         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.4         8.3         30.8         29.5         2.2         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.4         8.3         30.8         29.5         2.2         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.7         2.7         2.5 <td>WSR33</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>6</td> <td>9:14:00 AM</td> <td>8.8</td> <td>8.2</td> <td>31.5</td> <td>29.9</td> <td>3.0</td> <td>2.5</td>	WSR33	20220821	Sunny	Moderate	Mid-Ebb	Bottom	6	9:14:00 AM	8.8	8.2	31.5	29.9	3.0	2.5
WSR36         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         9:01:00 AM         8.3         8.3         30.7         29.5         2.3         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.5         8.3         30.7         29.5         2.4         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.4         8.3         30.7         29.7         2.4         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.4         8.3         30.8         29.5         2.2         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.3         8.3         30.6         29.7         2.5         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.6         3.0         2.5 </td <td>WSR33</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>6</td> <td>9:14:00 AM</td> <td>8.9</td> <td>8.2</td> <td>31.7</td> <td>29.9</td> <td>3.3</td> <td>2.5</td>	WSR33	20220821	Sunny	Moderate	Mid-Ebb	Bottom	6	9:14:00 AM	8.9	8.2	31.7	29.9	3.3	2.5
WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.5         8.3         30.7         29.5         2.4         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.4         8.3         30.7         29.7         2.4         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.4         8.3         30.8         29.5         2.2         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.3         8.3         30.6         29.7         2.5         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.7         2.7         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.6         3.0         2.5 <td>WSR36</td> <td>20220821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Surface</td> <td>1</td> <td>9:01:00 AM</td> <td>8.3</td> <td>8.3</td> <td>30.6</td> <td>29.4</td> <td>2.6</td> <td>2.5</td>	WSR36	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	9:01:00 AM	8.3	8.3	30.6	29.4	2.6	2.5
WSR36         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.15         9:01:00 AM         8.4         8.3         30.7         29.7         2.4         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.4         8.3         30.8         29.5         2.2         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.3         8.3         30.6         29.7         2.5         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.7         2.7         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.6         3.0         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Mid-Ebb         Mid-Ebb         8:46:00 AM         8.3         8.2         31.0         29.5         2.3         2	WSR36	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	9:01:00 AM	8.3	8.3	30.7	29.5	2.3	2.5
WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.4         8.3         30.8         29.5         2.2         2.5           WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.3         8.3         30.6         29.7         2.5         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.7         2.7         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.6         3.0         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.8         8:46:00 AM         8.3         8.2         31.0         29.5         2.3         2.5	WSR36	20220821	Sunny	Moderate	Mid-Ebb	Middle	3.15	9:01:00 AM	8.5	8.3	30.7	29.5	2.4	2.5
WSR36         20220821         Sunny         Moderate         Mid-Ebb         Bottom         5.3         9:00:00 AM         8.3         8.3         30.6         29.7         2.5         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.7         2.7         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.6         3.0         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.8         8:46:00 AM         8.3         8.2         31.0         29.5         2.3         2.5	WSR36	20220821	Sunny	Moderate	Mid-Ebb	Middle	3.15	9:01:00 AM	8.4	8.3	30.7	29.7	2.4	2.5
WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.7         2.7         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.6         3.0         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.8         8:46:00 AM         8.3         8.2         31.0         29.5         2.3         2.5	WSR36	20220821	Sunny	Moderate	Mid-Ebb	Bottom	5.3	9:00:00 AM	8.4	8.3	30.8	29.5	2.2	2.5
WSR37         20220821         Sunny         Moderate         Mid-Ebb         Surface         1         8:47:00 AM         8.3         8.2         30.9         29.6         3.0         2.5           WSR37         20220821         Sunny         Moderate         Mid-Ebb         Middle         3.8         8:46:00 AM         8.3         8.2         31.0         29.5         2.3         2.5	WSR36	20220821	Sunny	Moderate	Mid-Ebb	Bottom	5.3	9:00:00 AM	8.3	8.3	30.6	29.7	2.5	2.5
WSR37 20220821 Sunny Moderate Mid-Ebb Middle 3.8 8:46:00 AM 8.3 8.2 31.0 29.5 2.3 2.5	WSR37	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	8:47:00 AM	8.3	8.2	30.9	29.7	2.7	2.5
·	WSR37	20220821	Sunny	Moderate	Mid-Ebb	Surface	1	8:47:00 AM	8.3	8.2	30.9	29.6	3.0	2.5
	WSR37	20220821	Sunny	Moderate	Mid-Ebb	Middle	3.8	8:46:00 AM	8.3	8.2	31.0	29.5	2.3	2.5
WSR37 20220821 Sunny Moderate Mid-Ebb Middle 3.8 8:46:00 AM 8.4 8.2 30.8 29.8 2.7 2.5	WSR37	20220821	Sunny	Moderate	Mid-Ebb	Middle	3.8	8:46:00 AM	8.4	8.2	30.8	29.8	2.7	2.5
WSR37 20220821 Sunny Moderate Mid-Ebb Bottom 6.6 8:45:00 AM 8.4 8.2 30.8 29.7 2.5 2.5	WSR37	20220821	Sunny	Moderate	Mid-Ebb	Bottom	6.6	8:45:00 AM	8.4	8.2	30.8	29.7	2.5	2.5
WSR37 20220821 Sunny Moderate Mid-Ebb Bottom 6.6 8:45:00 AM 8.4 8.2 30.8 29.7 2.5 2.5	WSR37	20220821	Sunny	Moderate	Mid-Ebb	Bottom	6.6	8:45:00 AM	8.4	8.2	30.8	29.7	2.5	2.5

CE   20220823   Sunny   Moderate   Mid-Ebb   Surface   1   8-20:00 AM   8.7   8.1   31.3   29.1   3.3   3.4   0	Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
CF         20220823         Sunny         Moderate         Mid-Ebb         Middle         10.55         8:19:00 AM         8.9         8.2         31.3         29.1         3.5         2.5           CE         20220823         Sunny         Moderate         Mid-Ebb         Bottom         20.1         8:18:00 AM         8.7         8.2         31.3         29.2         3.5         2.5           CE         20220823         Sunny         Moderate         Mid-Ebb         Bottom         20.1         8:18:00 AM         8.9         8.2         31.5         29.1         3.9         7.0           CF         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         1047:00 AM         8.9         8.2         31.0         28.8         2.8         6.0           CF         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         1047:00 AM         8.9         8.2         31.0         28.8         2.8         2.5           CF         20220823         Sunny         Moderate         Mid-Ebb         Middle         9.95         104:6:00 AM         9.0         8.2         31.0         28.8         2.8         2.5	CE	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	8:20:00 AM	8.7	8.1	31.3	29.1	3.3	4.0
CE   20220823   Sunny   Moderate   Mid-Ebb   Middle   10.55   8.19:00 AM   8.7   8.2   31.3   29.2   3.5   2.5	CE	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	8:20:00 AM	8.9	8.2	31.4	29.2	3.2	2.5
CE   20220823   Sunny   Moderate   Mid-Ebb   Bottom   20.1   8.18:00 AM   8.9   8.2   31.5   29.1   3.9   7.0	CE	20220823	Sunny	Moderate	Mid-Ebb	Middle	10.55	8:19:00 AM	8.9	8.2	31.3	29.1	3.5	2.5
CE         20220823         Sunny         Moderate         Mid-Ebb         Bottom         20.1         8:18:00 AM         8.7         8.2         31.4         29.1         3.7         10.0           CF         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:47:00 AM         8.9         8.2         31.0         28.8         2.8         6.0           CF         20220823         Sunny         Moderate         Mid-Ebb         Midel         9.95         10:46:00 AM         9.0         8.2         31.0         28.8         2.8         2.5           CF         20220823         Sunny         Moderate         Mid-Ebb         Bottom         18.9         10:45:00 AM         9.0         8.2         31.0         28.8         2.8         2.5           CF         20220823         Sunny         Moderate         Mid-Ebb         Bottom         18.9         10:45:00 AM         9.0         8.2         31.1         2.8         2.9         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         9.0         8.1         31.8         29.4         3.3         4.0     <	CE	20220823	Sunny	Moderate	Mid-Ebb	Middle	10.55	8:19:00 AM	8.7	8.2	31.3	29.2	3.5	2.5
CF         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         1047:00 AM         8.9         8.2         31.0         28.8         2.8         6.0           CF         20220823         Sunny         Moderate         Mid-Ebb         Middle         9.95         10:46:00 AM         9.0         8.2         31.0         28.8         2.8         4.0           CF         20220823         Sunny         Moderate         Mid-Ebb         Middle         9.95         10:46:00 AM         9.0         8.2         31.0         28.8         2.8         2.5           CF         20220823         Sunny         Moderate         Mid-Ebb         Bottom         18.9         10:45:00 AM         9.0         8.2         31.0         28.8         2.8         2.5           CF         20220823         Sunny         Moderate         Mid-Ebb         Bottom         18.9         10:45:00 AM         8.9         8.2         31.1         28.8         2.9         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         9.0         8.1         31.9         29.5         3.1         3.0	CE	20220823	Sunny	Moderate	Mid-Ebb	Bottom	20.1	8:18:00 AM	8.9	8.2	31.5	29.1	3.9	7.0
CF         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:47:00 AM         8.7         8.2         30.9         28.9         2.8         4.0           CF         20220823         Sunny         Moderate         Mid-Ebb         Middle         9.95         10:46:00 AM         9.0         8.2         31.0         28.8         2.8         2.5           CF         20220823         Sunny         Moderate         Mid-Ebb         Bottom         18.9         10:46:00 AM         9.0         8.2         31.0         28.8         3.1         2.5           CF         20220823         Sunny         Moderate         Mid-Ebb         Bottom         18.9         10:45:00 AM         8.9         8.2         31.1         28.8         2.9         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         8.9         8.2         31.1         28.8         2.9         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.2         10:24:00 AM         8.9         8.1         31.9         29.4         2.9         2.5	CE	20220823	Sunny	Moderate	Mid-Ebb	Bottom	20.1	8:18:00 AM	8.7	8.2	31.4	29.1	3.7	10.0
CF         20220823         Sunny         Moderate         Mid-Ebb         Middle         9.95         10.46:00 AM         9.0         8.2         31.0         28.8         2.8         2.5           CF         20220823         Sunny         Moderate         Mid-Ebb         Bottom         18.9         10.45:00 AM         9.0         8.2         31.0         28.8         3.1         2.5           CF         20220823         Sunny         Moderate         Mid-Ebb         Bottom         18.9         10.45:00 AM         8.0         8.2         31.1         28.8         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         8.9         8.2         31.8         29.5         3.3         4.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         8.9         8.1         31.8         29.4         3.3         4.0           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.2         10:24:00 AM         8.9         8.1         31.9         29.5         3.1         3.0	CF	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	10:47:00 AM	8.9	8.2	31.0	28.8	2.8	6.0
CF         20220823         Sunny         Moderate         Mid-Ebb         Middle         9.95         10.46:00 AM         9.0         8.2         31.0         28.8         2.8         2.5           CF         20220823         Sunny         Moderate         Mid-Ebb         Bottom         18.9         10:45:00 AM         9.0         8.2         31.0         28.8         3.1         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         8.9         8.2         31.1         28.8         2.9         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         8.9         8.2         31.8         29.5         3.3         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Mid-Ebb         Middle         4.2         10:24:00 AM         8.9         8.1         31.9         29.5         3.1         3.0           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.1         8.1         31.9 <t< td=""><td>CF</td><td>20220823</td><td>Sunny</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>10:47:00 AM</td><td>8.7</td><td>8.2</td><td>30.9</td><td>28.9</td><td>2.8</td><td>4.0</td></t<>	CF	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	10:47:00 AM	8.7	8.2	30.9	28.9	2.8	4.0
CF         20220823         Sunny         Moderate         Mid-Ebb         Bottom         18.9         10.45:00 AM         9.0         8.2         31.0         28.8         3.1         2.5           CF         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         8.9         8.2         31.1         28.8         2.9         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         8.9         8.2         31.8         29.5         3.3         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.2         10:24:00 AM         9.0         8.1         31.9         29.5         3.1         3.0           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.0         8.1         31.9         29.5         3.1         3.0           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.0         8.1         31.9         29.5         3.0         2.5 <td>CF</td> <td>20220823</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Middle</td> <td>9.95</td> <td>10:46:00 AM</td> <td>9.0</td> <td>8.2</td> <td>31.0</td> <td>28.8</td> <td>2.8</td> <td>2.5</td>	CF	20220823	Sunny	Moderate	Mid-Ebb	Middle	9.95	10:46:00 AM	9.0	8.2	31.0	28.8	2.8	2.5
CF         20220823         Sunny         Moderate         Mid-Ebb         Bottom         18.9         10:45:00 AM         8.9         8.2         31.1         28.8         2.9         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         8.9         8.2         31.8         29.5         3.3         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.2         10:24:00 AM         8.9         8.1         31.9         29.5         3.1         3.0           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.2         10:24:00 AM         9.0         8.1         31.9         29.5         3.1         3.0           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.1         8.1         31.9         29.5         3.0         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.1         8.2         31.6         28.9         1.9         11	CF	20220823	Sunny	Moderate	Mid-Ebb	Middle	9.95	10:46:00 AM	9.0	8.2	31.0	28.8	2.8	2.5
WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         8.9         8.2         31.8         29.5         3.3         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb	CF	20220823	Sunny	Moderate	Mid-Ebb	Bottom	18.9	10:45:00 AM	9.0	8.2	31.0	28.8	3.1	2.5
WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:25:00 AM         9.0         8.1         31.8         29.4         3.3         4.0           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.2         10:24:00 AM         8.9         8.1         31.9         29.5         3.1         3.0           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.1         8.1         31.9         29.5         3.0         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.1         8.1         31.9         29.5         3.0         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:06:00 AM         9.1         8.2         31.6         28.9         1.9         11.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Midle         4.95         10:05:00 AM         9.1         8.2         31.5         28.9         2.1	CF	20220823	Sunny	Moderate	Mid-Ebb	Bottom	18.9	10:45:00 AM	8.9	8.2	31.1	28.8	2.9	2.5
WSR01         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.2         10:24:00 AM         8.9         8.1         31.9         29.5         3.1         3.0           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.0         8.1         31.9         29.4         2.9         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.1         8.1         31.9         29.5         3.0         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:06:00 AM         9.1         8.2         31.6         28.9         1.9         11.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:06:00 AM         9.1         8.2         31.6         28.9         1.9         11.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.95         10:05:00 AM         8.9         8.2         31.5         28.9         2.1 <t< td=""><td>WSR01</td><td>20220823</td><td>Sunny</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>10:25:00 AM</td><td>8.9</td><td>8.2</td><td>31.8</td><td>29.5</td><td>3.3</td><td>2.5</td></t<>	WSR01	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	10:25:00 AM	8.9	8.2	31.8	29.5	3.3	2.5
WSR01         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.2         10:24:00 AM         9.0         8.1         31.9         29.4         2.9         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.0         8.1         31.9         29.5         3.0         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:06:00 AM         9.0         8.1         31.9         29.5         3.3         3.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:06:00 AM         9.1         8.2         31.6         28.9         1.9         11.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:06:00 AM         9.1         8.2         31.6         28.9         1.9         11.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Mid-Ebb         Middle         4.95         10:05:00 AM         8.9         8.2         31.5         28.9	WSR01	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	10:25:00 AM	9.0	8.1	31.8	29.4	3.3	4.0
WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.1         8.1         31.9         29.5         3.0         2.5           WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.0         8.1         31.9         29.5         3.3         3.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:06:00 AM         9.1         8.2         31.6         28.9         1.9         11.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Midle         4.95         10:05:00 AM         8.9         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Midle         4.95         10:05:00 AM         9.0         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.5         8.2         31.5         28.9         2.2 <td< td=""><td>WSR01</td><td>20220823</td><td>Sunny</td><td>Moderate</td><td>Mid-Ebb</td><td>Middle</td><td>4.2</td><td>10:24:00 AM</td><td>8.9</td><td>8.1</td><td>31.9</td><td>29.5</td><td>3.1</td><td>3.0</td></td<>	WSR01	20220823	Sunny	Moderate	Mid-Ebb	Middle	4.2	10:24:00 AM	8.9	8.1	31.9	29.5	3.1	3.0
WSR01         20220823         Sunny         Moderate         Mid-Ebb         Bottom         7.4         10:23:00 AM         9.0         8.1         31.9         29.5         3.3         3.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:06:00 AM         9.1         8.2         31.6         28.9         1.9         11.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.95         10:05:00 AM         8.9         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.95         10:05:00 AM         8.9         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.5         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.7         8.2         31.5         28.9         2.2         <	WSR01	20220823	Sunny	Moderate	Mid-Ebb	Middle	4.2	10:24:00 AM	9.0	8.1	31.9	29.4	2.9	2.5
WSR02         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:06:00 AM         9.1         8.2         31.6         28.9         1.9         11.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:06:00 AM         9.1         8.2         31.6         28.9         1.9         11.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.95         10:05:00 AM         8.9         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.5         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.7         8.2         31.5         28.9         2.2         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.6         29.3         3.1	WSR01	20220823	Sunny	Moderate	Mid-Ebb	Bottom	7.4	10:23:00 AM	9.1	8.1	31.9	29.5	3.0	2.5
WSR02         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         10:06:00 AM         9.1         8.2         31.6         28.9         1.9         11.0           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.95         10:05:00 AM         8.9         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.5         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.5         8.2         31.5         28.9         2.3         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.7         29.2         3.1         2.	WSR01	20220823	Sunny	Moderate	Mid-Ebb	Bottom	7.4	10:23:00 AM	9.0	8.1	31.9	29.5	3.3	3.0
WSR02         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.95         10:05:00 AM         8.9         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.95         10:05:00 AM         9.0         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.5         8.2         31.5         28.9         2.3         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.7         29.2         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Middle         3.95         9:52:00 AM         8.9         8.2         31.6         29.3         3.1         2	WSR02	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	10:06:00 AM	9.1	8.2	31.6	28.9	1.9	11.0
WSR02         20220823         Sunny         Moderate         Mid-Ebb         Middle         4.95         10:05:00 AM         9.0         8.2         31.5         28.9         2.1         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.5         8.2         31.5         28.9         2.3         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.7         8.2         31.5         28.9         2.2         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.7         29.2         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Middle         3.95         9:52:00 AM         8.9         8.2         31.6         29.3         3.1         2.	WSR02	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	10:06:00 AM	9.1	8.2	31.6	28.9	1.9	11.0
WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.5         8.2         31.5         28.9         2.3         2.5           WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.7         8.2         31.5         28.9         2.2         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Middle         3.95         9:52:00 AM         8.9         8.2         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Middle         3.95         9:52:00 AM         8.9         8.2         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.7         29.3         3.1         2.	WSR02	20220823	Sunny	Moderate	Mid-Ebb	Middle	4.95	10:05:00 AM	8.9	8.2	31.5	28.9	2.1	2.5
WSR02         20220823         Sunny         Moderate         Mid-Ebb         Bottom         8.9         10:04:00 AM         8.7         8.2         31.5         28.9         2.2         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Middle         3.95         9:52:00 AM         8.9         8.2         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Middle         3.95         9:52:00 AM         8.9         8.2         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         8.9         8.1         31.7         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.7         29.2         3.3         2.5	WSR02	20220823	Sunny	Moderate	Mid-Ebb	Middle	4.95	10:05:00 AM	9.0	8.2	31.5	28.9	2.1	2.5
WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.7         29.2         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Middle         3.95         9:52:00 AM         8.9         8.2         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.7         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.6         29.3         2.8         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.7         29.2         3.3         2.5 <td>WSR02</td> <td>20220823</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>8.9</td> <td>10:04:00 AM</td> <td>8.5</td> <td>8.2</td> <td>31.5</td> <td>28.9</td> <td>2.3</td> <td>2.5</td>	WSR02	20220823	Sunny	Moderate	Mid-Ebb	Bottom	8.9	10:04:00 AM	8.5	8.2	31.5	28.9	2.3	2.5
WSR03         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:53:00 AM         9.1         8.1         31.7         29.2         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Middle         3.95         9:52:00 AM         8.9         8.2         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Middle         3.95         9:52:00 AM         8.9         8.1         31.7         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.6         29.3         2.8         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.7         29.2         3.3         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.9         8.1         31.0         28.8         2.7         2.5 </td <td>WSR02</td> <td>20220823</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>8.9</td> <td>10:04:00 AM</td> <td>8.7</td> <td>8.2</td> <td>31.5</td> <td>28.9</td> <td>2.2</td> <td>2.5</td>	WSR02	20220823	Sunny	Moderate	Mid-Ebb	Bottom	8.9	10:04:00 AM	8.7	8.2	31.5	28.9	2.2	2.5
WSR03         20220823         Sunny         Moderate         Mid-Ebb         Middle         3.95         9:52:00 AM         8.9         8.2         31.6         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.6         29.3         2.8         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.6         29.3         2.8         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.7         29.2         3.3         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.9         8.1         31.0         28.8         2.7         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.9         8.1         31.1         28.7         3.1         2.5 <td>WSR03</td> <td>20220823</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Surface</td> <td>1</td> <td>9:53:00 AM</td> <td>9.1</td> <td>8.1</td> <td>31.6</td> <td>29.3</td> <td>3.1</td> <td>2.5</td>	WSR03	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	9:53:00 AM	9.1	8.1	31.6	29.3	3.1	2.5
WSR03         20220823         Sunny         Moderate         Mid-Ebb         Middle         3.95         9:52:00 AM         8.9         8.1         31.7         29.3         3.1         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.6         29.3         2.8         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.7         29.2         3.3         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.9         8.1         31.0         28.8         2.7         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.9         8.1         31.1         28.7         3.1         2.5	WSR03	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	9:53:00 AM	9.1	8.1	31.7	29.2	3.1	2.5
WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.6         29.3         2.8         2.5           WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.7         29.2         3.3         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.9         8.1         31.0         28.8         2.7         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.9         8.1         31.1         28.7         3.1         2.5	WSR03	20220823	Sunny	Moderate	Mid-Ebb	Middle	3.95	9:52:00 AM	8.9	8.2	31.6	29.3	3.1	2.5
WSR03         20220823         Sunny         Moderate         Mid-Ebb         Bottom         6.9         9:51:00 AM         9.1         8.1         31.7         29.2         3.3         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.9         8.1         31.0         28.8         2.7         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.9         8.1         31.1         28.7         3.1         2.5	WSR03	20220823	Sunny	Moderate	Mid-Ebb	Middle	3.95	9:52:00 AM	8.9	8.1	31.7	29.3	3.1	2.5
WSR04         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.9         8.1         31.0         28.8         2.7         2.5           WSR04         20220823         Sunny         Moderate         Mid-Ebb         Surface         1         9:42:00 AM         8.9         8.1         31.1         28.7         3.1         2.5	WSR03	20220823	Sunny	Moderate	Mid-Ebb	Bottom	6.9	9:51:00 AM	9.1	8.1	31.6	29.3	2.8	2.5
WSR04 20220823 Sunny Moderate Mid-Ebb Surface 1 9:42:00 AM 8.9 8.1 31.1 28.7 3.1 2.5	WSR03	20220823	Sunny	Moderate	Mid-Ebb	Bottom	6.9	9:51:00 AM	9.1	8.1	31.7	29.2	3.3	2.5
·	WSR04	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	9:42:00 AM	8.9	8.1	31.0	28.8	2.7	2.5
WSR04 20220823 Sunny Moderate Mid-Ebb Middle 3.8 9:41:00 AM 8.8 8.2 31.0 28.8 3.1 3.0	WSR04	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	9:42:00 AM	8.9	8.1	31.1	28.7	3.1	2.5
	WSR04	20220823	Sunny	Moderate	Mid-Ebb	Middle	3.8	9:41:00 AM	8.8	8.2	31.0	28.8	3.1	3.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR04	20220823	Sunny	Moderate	Mid-Ebb	Middle	3.8	9:41:00 AM	9.0	8.1	31.0	28.8	3.1	2.5
WSR04	20220823	Sunny	Moderate	Mid-Ebb	Bottom	6.6	9:40:00 AM	9.0	8.1	31.1	28.7	2.3	2.5
WSR04	20220823	Sunny	Moderate	Mid-Ebb	Bottom	6.6	9:40:00 AM	9.1	8.1	31.1	28.8	2.6	2.5
WSR16	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	8:42:00 AM	8.8	8.2	30.9	29.2	3.1	2.5
WSR16	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	8:42:00 AM	8.7	8.2	31.0	29.2	3.4	3.0
WSR16	20220823	Sunny	Moderate	Mid-Ebb	Middle	7.9	8:41:00 AM	8.8	8.2	30.9	29.3	3.4	2.5
WSR16	20220823	Sunny	Moderate	Mid-Ebb	Middle	7.9	8:41:00 AM	8.8	8.2	30.9	29.3	2.9	4.0
WSR16	20220823	Sunny	Moderate	Mid-Ebb	Bottom	14.8	8:40:00 AM	8.8	8.3	30.9	29.2	3.2	2.5
WSR16	20220823	Sunny	Moderate	Mid-Ebb	Bottom	14.8	8:40:00 AM	8.8	8.2	30.9	29.3	3.1	2.5
WSR33	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	9:28:00 AM	8.6	8.2	31.1	29.5	3.2	2.5
WSR33	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	9:28:00 AM	8.6	8.1	31.0	29.4	3.4	2.5
WSR33	20220823	Sunny	Moderate	Mid-Ebb	Middle	3.6	9:27:00 AM	8.6	8.1	31.1	29.5	3.1	2.5
WSR33	20220823	Sunny	Moderate	Mid-Ebb	Middle	3.6	9:27:00 AM	8.5	8.1	31.1	29.5	3.3	2.5
WSR33	20220823	Sunny	Moderate	Mid-Ebb	Bottom	6.2	9:26:00 AM	8.5	8.2	30.9	29.5	2.7	3.0
WSR33	20220823	Sunny	Moderate	Mid-Ebb	Bottom	6.2	9:26:00 AM	8.6	8.1	31.0	29.5	3.0	3.0
WSR36	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	9:15:00 AM	8.4	8.1	30.8	28.8	3.1	2.5
WSR36	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	9:15:00 AM	8.3	8.1	30.8	28.8	2.9	2.5
WSR36	20220823	Sunny	Moderate	Mid-Ebb	Middle	3.65	9:15:00 AM	8.2	8.1	30.8	28.8	2.3	3.0
WSR36	20220823	Sunny	Moderate	Mid-Ebb	Middle	3.65	9:15:00 AM	8.4	8.2	30.9	28.8	2.5	2.5
WSR36	20220823	Sunny	Moderate	Mid-Ebb	Bottom	6.3	9:14:00 AM	8.2	8.1	30.8	28.8	2.2	2.5
WSR36	20220823	Sunny	Moderate	Mid-Ebb	Bottom	6.3	9:14:00 AM	8.4	8.1	30.8	28.9	2.3	2.5
WSR37	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	9:02:00 AM	8.3	8.2	31.8	29.1	3.1	2.5
WSR37	20220823	Sunny	Moderate	Mid-Ebb	Surface	1	9:02:00 AM	8.5	8.3	31.9	29.2	3.2	2.5
WSR37	20220823	Sunny	Moderate	Mid-Ebb	Middle	4.4	9:01:00 AM	8.4	8.2	31.8	29.1	3.0	2.5
WSR37	20220823	Sunny	Moderate	Mid-Ebb	Middle	4.4	9:01:00 AM	8.3	8.2	31.8	29.2	2.9	2.5
WSR37	20220823	Sunny	Moderate	Mid-Ebb	Bottom	7.8	9:00:00 AM	8.3	8.3	31.8	29.2	2.8	2.5
WSR37	20220823	Sunny	Moderate	Mid-Ebb	Bottom	7.8	9:00:00 AM	8.3	8.3	31.8	29.1	2.6	2.5
CE	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	10:43:00 AM	9.7	8.1	31.7	29.2	3.6	2.5
CE	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	10:43:00 AM	9.6	8.1	31.8	29.1	3.5	2.5
CE	20220827	Sunny	Moderate	Mid-Ebb	Middle	11.55	10:42:00 AM	9.8	8.0	31.8	29.2	3.6	2.5
CE	20220827	Sunny	Moderate	Mid-Ebb	Middle	11.55	10:42:00 AM	9.7	8.0	31.8	29.2	3.6	2.5
CE	20220827	Sunny	Moderate	Mid-Ebb	Bottom	22.1	10:41:00 AM	9.6	8.1	31.7	29.2	3.9	2.5
CE	20220827	Sunny	Moderate	Mid-Ebb	Bottom	22.1	10:41:00 AM	9.7	8.1	31.5	29.1	3.8	3.0

CF   20220827   Sunny   Moderate   Mid-Ebb   Surface   1   1:13:00 PM   8.7   8.1   31.6   29.0   3.1   2.5	Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
CF         20220827         Sunny         Moderate         Mid-Ebb         Middle         10.35         1:12:00 PM         8.5         8.0         31.4         28.9         3.2         2.5           CF         20220827         Sunny         Moderate         Mid-Ebb         Bottom         19.7         1:11:00 PM         8.6         8.1         31.6         29.0         3.1         2.5           CF         20220827         Sunny         Moderate         Mid-Ebb         Bottom         19.7         1:11:00 PM         8.6         8.1         31.7         29.0         3.5         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:50:00 PM         9.1         8.1         31.7         29.0         3.5         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:50:00 PM         9.3         8.2         3.0         2.9         2.9         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.4         12:49:00 PM         9.2         8.0         31.0         2.94         2.7         2.5	CF	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	1:13:00 PM	8.7	8.1	31.6	29.0	3.1	2.5
CF   20220827   Sunny   Moderate   Mid-Ebb   Bottom   19.7   1:11:00 PM   8.6   8.1   31.6   29.0   3.1   2.5	CF	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	1:13:00 PM	8.6	8.1	31.6	29.0	3.2	2.5
CF         20220827         Sunny         Moderate         Mid-Ebb         Bottom         19.7         1:11:00 PM         8.6         8.1         31.6         28.9         3.3         3.0           CF         20220827         Sunny         Moderate         Mid-Ebb         Suntered         1         12:50:00 PM         8.5         8.1         31.7         29.0         3.5         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:50:00 PM         9.1         8.1         31.0         29.3         3.1         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.4         12:49:00 PM         9.3         8.2         30.9         29.4         2.9         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.1         8.1         31.1         29.4         2.7         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:32:00 PM         9.1         8.2         31.7         29.5         2.0         2.5 <td>CF</td> <td>20220827</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Middle</td> <td>10.35</td> <td>1:12:00 PM</td> <td>8.5</td> <td>8.0</td> <td>31.4</td> <td>28.9</td> <td>3.2</td> <td>2.5</td>	CF	20220827	Sunny	Moderate	Mid-Ebb	Middle	10.35	1:12:00 PM	8.5	8.0	31.4	28.9	3.2	2.5
CF         20220827         Sumny         Moderate         Mid-Ebb         Bottom         19.7         1:11:00 PM         8.5         8.1         31.7         29.0         3.5         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:50:00 PM         9.1         8.1         31.2         29.3         3.0         3.0           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Midelle         4.4         12:49:00 PM         9.3         8.2         30.9         29.4         2.9         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.1         8.1         31.1         29.3         2.4         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.1         8.1         31.1         29.3         2.4         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.1         8.2         31.5         2.9         2.0         2.5	CF	20220827	Sunny	Moderate	Mid-Ebb	Middle	10.35	1:12:00 PM	8.6	8.1	31.6	29.0	3.1	2.5
WSR01         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:50:00 PM         9.1         8.1         31.2         29.3         3.0         3.0           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:50:00 PM         9.3         8.2         31.0         29.3         3.1         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.4         12:49:00 PM         9.3         8.2         31.0         29.4         2.7         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.1         8.1         31.1         29.3         2.4         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Burface         1         12:32:00 PM         9.1         8.1         31.1         29.3         2.4         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:32:00 PM         9.1         8.2         31.5         29.6         2.0         2.5	CF	20220827	Sunny	Moderate	Mid-Ebb	Bottom	19.7	1:11:00 PM	8.6	8.1	31.6	28.9	3.3	3.0
WSR01         20220827         Sumny         Moderate         Mid-Ebb         Surface         1         12:50:00 PM         9.3         8.2         31.0         29.3         3.1         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.4         12:49:00 PM         9.3         8.2         30.9         29.4         2.9         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:49:00 PM         9.1         8.1         31.1         29.3         2.4         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.1         8.1         31.1         29.3         2.4         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:33:00 PM         9.1         8.2         31.5         29.6         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.8         12:31:00 PM         9.0         8.0         31.5         29.6         2.3         2	CF	20220827	Sunny	Moderate	Mid-Ebb	Bottom	19.7	1:11:00 PM	8.5	8.1	31.7	29.0	3.5	2.5
WSR01         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.4         12:49:00 PM         9.3         8.2         30.9         29.4         2.9         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.2         8.0         31.0         29.4         2.7         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.2         8.0         31.2         29.4         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:32:30 PM         9.1         8.2         31.7         29.5         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:32:30 PM         9.1         8.2         31.5         29.6         2.0         3.0           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.8         12:31:00 PM         9.1         8.1         31.6         29.6         2.3         2	WSR01	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	12:50:00 PM	9.1	8.1	31.2	29.3	3.0	3.0
WSR01         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.4         12:49:00 PM         9.2         8.0         31.0         29.4         2.7         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.1         8.1         31.1         29.3         2.4         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.1         8.2         31.7         29.5         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:32:00 PM         9.1         8.2         31.5         29.6         2.0         3.0           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.8         12:31:00 PM         9.1         8.2         31.5         29.6         2.0         3.0           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Eb	WSR01	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	12:50:00 PM	9.3	8.2	31.0	29.3	3.1	2.5
WSR01         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.1         8.1         31.1         29.3         2.4         2.5           WSR01         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:32:00 PM         9.2         8.0         31.2         29.4         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:32:00 PM         9.1         8.2         31.7         29.5         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.8         12:31:00 PM         9.1         8.2         31.5         29.6         2.3         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.1         8.1         31.6         29.6         2.3         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.1         8.1         31.4         29.1         2.3         2	WSR01	20220827	Sunny	Moderate	Mid-Ebb	Middle	4.4	12:49:00 PM	9.3	8.2	30.9	29.4	2.9	2.5
WSR01         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.8         12:48:00 PM         9.2         8.0         31.2         29.4         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:32:00 PM         9.1         8.2         31.7         29.5         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.8         12:31:00 PM         9.1         8.2         31.5         29.6         2.0         3.0           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.8         12:31:00 PM         9.1         8.1         31.6         29.6         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.1         8.2         31.6         29.6         2.2         3.0           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.0         8.1         31.6         29.5         2.3	WSR01	20220827	Sunny	Moderate	Mid-Ebb	Middle	4.4	12:49:00 PM	9.2	8.0	31.0	29.4	2.7	2.5
WSR02         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:32:00 PM         9.1         8.2         31.7         29.5         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:32:00 PM         9.1         8.2         31.5         29.6         2.0         3.0           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.8         12:31:00 PM         9.0         8.0         31.5         29.6         2.3         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.1         8.1         31.6         29.6         2.2         3.0           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.0         8.1         31.6         29.5         2.3         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.7         8.1         31.4         29.1         2.3         2.	WSR01	20220827	Sunny	Moderate	Mid-Ebb	Bottom	7.8	12:48:00 PM	9.1	8.1	31.1	29.3	2.4	2.5
WSR02         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:32:00 PM         9.1         8.2         31.5         29.6         2.0         3.0           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.8         12:31:00 PM         9.0         8.0         31.5         29.6         2.3         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.1         8.1         31.6         29.6         2.2         3.0           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.1         8.2         31.6         29.6         2.2         3.0           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.7         8.1         31.4         29.1         2.3         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Midle         4.2         12:16:00 PM         8.7         8.2         31.3         29.1         2.5         2.	WSR01	20220827	Sunny	Moderate	Mid-Ebb	Bottom	7.8	12:48:00 PM	9.2	8.0	31.2	29.4	2.0	2.5
WSR02         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.8         12:31:00 PM         9.0         8.0         31.5         29.6         2.3         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.1         8.1         31.6         29.6         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.1         8.2         31.6         29.6         2.2         3.0           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.7         8.1         31.4         29.1         2.3         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.9         8.1         31.3         29.0         2.4         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.2         12:16:00 PM         8.9         8.1         31.3         29.1         2.5         2	WSR02	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	12:32:00 PM	9.1	8.2	31.7	29.5	2.0	2.5
WSR02         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.8         12:31:00 PM         9.1         8.1         31.6         29.6         2.0         2.5           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.0         8.1         31.6         29.6         2.2         3.0           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.7         8.1         31.4         29.1         2.3         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.8         8.2         31.2         29.0         2.4         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.2         12:16:00 PM         8.9         8.1         31.3         29.1         2.5         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.2         12:16:00 PM         8.7         8.2         31.3         29.1         2.6         2	WSR02	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	12:32:00 PM	9.1	8.2	31.5	29.6	2.0	3.0
WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.1         8.2         31.6         29.6         2.2         3.0           WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.0         8.1         31.6         29.5         2.3         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.7         8.1         31.4         29.1         2.3         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.8         8.2         31.2         29.0         2.4         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Midle         4.2         12:16:00 PM         8.9         8.1         31.3         29.1         2.5         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.7         8.2         31.3         29.0         2.1         2.	WSR02	20220827	Sunny	Moderate	Mid-Ebb	Middle	4.8	12:31:00 PM	9.0	8.0	31.5	29.6	2.3	2.5
WSR02         20220827         Sunny         Moderate         Mid-Ebb         Bottom         8.6         12:30:00 PM         9.0         8.1         31.6         29.5         2.3         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.7         8.1         31.4         29.1         2.3         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.2         12:16:00 PM         8.9         8.1         31.3         29.1         2.5         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.2         12:16:00 PM         8.9         8.1         31.3         29.1         2.5         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.7         8.2         31.3         29.0         2.1         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.6         8.1         31.5         29.1         2.3	WSR02	20220827	Sunny	Moderate	Mid-Ebb	Middle	4.8	12:31:00 PM	9.1	8.1	31.6	29.6	2.0	2.5
WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.7         8.1         31.4         29.1         2.3         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.8         8.2         31.2         29.0         2.4         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.2         12:16:00 PM         8.9         8.1         31.3         29.1         2.5         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.7         8.2         31.3         29.0         2.1         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.6         8.1         31.5         29.1         2.3         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.6         8.0         31.9         29.2         2.2         2.	WSR02	20220827	Sunny	Moderate	Mid-Ebb	Bottom	8.6	12:30:00 PM	9.1	8.2	31.6	29.6	2.2	3.0
WSR03         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:17:00 PM         8.8         8.2         31.2         29.0         2.4         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.2         12:16:00 PM         8.9         8.1         31.3         29.1         2.5         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.7         8.2         31.3         29.0         2.1         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.7         8.2         31.3         29.0         2.1         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.6         8.1         31.5         29.1         2.3         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.6         8.0         31.9         29.2         2.2         2	WSR02	20220827	Sunny	Moderate	Mid-Ebb	Bottom	8.6	12:30:00 PM	9.0	8.1	31.6	29.5	2.3	2.5
WSR03         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.2         12:16:00 PM         8.9         8.1         31.3         29.1         2.5         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.2         12:16:00 PM         8.7         8.2         31.5         29.1         2.6         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.7         8.2         31.3         29.0         2.1         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.6         8.0         31.9         29.2         2.2         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.6         8.0         31.9         29.2         2.2         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:06:00 PM         9.7         8.1         31.7         29.2         2.2         2	WSR03	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	12:17:00 PM	8.7	8.1	31.4	29.1	2.3	2.5
WSR03         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.2         12:16:00 PM         8.7         8.2         31.5         29.1         2.6         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.7         8.2         31.3         29.0         2.1         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.6         8.1         31.5         29.1         2.3         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.6         8.0         31.9         29.2         2.2         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.7         8.1         31.7         29.2         2.2         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.6         8.2         31.7         29.3         2.0         2	WSR03	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	12:17:00 PM	8.8	8.2	31.2	29.0	2.4	2.5
WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.7         8.2         31.3         29.0         2.1         2.5           WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.6         8.1         31.5         29.1         2.3         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.6         8.0         31.9         29.2         2.2         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.7         8.1         31.7         29.2         2.2         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.6         8.2         31.7         29.3         2.0         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Midle         3.6         12:05:00 PM         9.7         8.1         31.7         29.2         2.1         3.	WSR03	20220827	Sunny	Moderate	Mid-Ebb	Middle	4.2	12:16:00 PM	8.9	8.1	31.3	29.1	2.5	2.5
WSR03         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.4         12:15:00 PM         8.6         8.1         31.5         29.1         2.3         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.6         8.0         31.9         29.2         2.2         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.6         8.2         31.7         29.3         2.0         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.6         8.2         31.7         29.3         2.0         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.7         8.1         31.7         29.2         2.1         3.0           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.2         12:04:00 PM         9.6         8.2         31.8         29.2         2.0	WSR03	20220827	Sunny	Moderate	Mid-Ebb	Middle	4.2	12:16:00 PM	8.7	8.2	31.5	29.1	2.6	2.5
WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.6         8.0         31.9         29.2         2.2         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.7         8.1         31.7         29.2         2.2         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.6         8.2         31.7         29.3         2.0         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.7         8.1         31.7         29.3         2.0         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.2         12:04:00 PM         9.6         8.2         31.8         29.2         2.0         3.0           WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.4         8.2         30.7         28.8         2.5         2.	WSR03	20220827	Sunny	Moderate	Mid-Ebb	Bottom	7.4	12:15:00 PM	8.7	8.2	31.3	29.0	2.1	2.5
WSR04         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         12:06:00 PM         9.7         8.1         31.7         29.2         2.2         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.6         8.2         31.7         29.3         2.0         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.7         8.1         31.7         29.2         2.1         3.0           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.2         12:04:00 PM         9.6         8.2         31.8         29.2         2.0         3.0           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.2         12:04:00 PM         9.8         8.2         31.8         29.2         2.0         2.5           WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.4         8.2         30.7         28.8         2.5         2	WSR03	20220827	Sunny	Moderate	Mid-Ebb	Bottom	7.4	12:15:00 PM	8.6	8.1	31.5	29.1	2.3	2.5
WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.6         8.2         31.7         29.3         2.0         2.5           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.7         8.1         31.7         29.2         2.1         3.0           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.2         12:04:00 PM         9.6         8.2         31.8         29.2         2.0         3.0           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.2         12:04:00 PM         9.8         8.2         31.8         29.2         2.0         2.5           WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.4         8.2         30.8         28.7         2.7         2.5           WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.3         8.2         30.8         28.7         2.7         2	WSR04	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	12:06:00 PM	9.6	8.0	31.9	29.2	2.2	2.5
WSR04         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.6         12:05:00 PM         9.7         8.1         31.7         29.2         2.1         3.0           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.2         12:04:00 PM         9.6         8.2         31.8         29.2         2.0         3.0           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.2         12:04:00 PM         9.8         8.2         31.8         29.2         2.0         2.5           WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.4         8.2         30.7         28.8         2.5         2.5           WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.3         8.2         30.8         28.7         2.7         2.5	WSR04	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	12:06:00 PM	9.7	8.1	31.7	29.2	2.2	2.5
WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.2         12:04:00 PM         9.6         8.2         31.8         29.2         2.0         3.0           WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.2         12:04:00 PM         9.8         8.2         31.8         29.2         2.0         2.5           WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.4         8.2         30.7         28.8         2.5         2.5           WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.3         8.2         30.8         28.7         2.7         2.5	WSR04	20220827	Sunny	Moderate	Mid-Ebb	Middle	3.6	12:05:00 PM	9.6	8.2	31.7	29.3	2.0	2.5
WSR04         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.2         12:04:00 PM         9.8         8.2         31.8         29.2         2.0         2.5           WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.4         8.2         30.7         28.8         2.5         2.5           WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.3         8.2         30.8         28.7         2.7         2.5	WSR04	20220827	Sunny	Moderate	Mid-Ebb	Middle	3.6	12:05:00 PM	9.7	8.1	31.7	29.2	2.1	3.0
WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.4         8.2         30.7         28.8         2.5         2.5           WSR16         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:04:00 AM         9.3         8.2         30.8         28.7         2.7         2.5	WSR04	20220827	Sunny	Moderate	Mid-Ebb	Bottom	6.2	12:04:00 PM	9.6	8.2	31.8	29.2	2.0	3.0
WSR16 20220827 Sunny Moderate Mid-Ebb Surface 1 11:04:00 AM 9.3 8.2 30.8 28.7 2.7 2.5	WSR04	20220827	Sunny	Moderate	Mid-Ebb	Bottom	6.2	12:04:00 PM	9.8	8.2	31.8	29.2	2.0	2.5
·	WSR16	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	11:04:00 AM	9.4	8.2	30.7	28.8	2.5	2.5
WSR16 20220827 Sunny Moderate Mid-Ebb Middle 8.15 11:03:00 AM 9.4 8.1 30.9 28.7 2.4 2.5	WSR16	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	11:04:00 AM	9.3	8.2	30.8	28.7	2.7	2.5
	WSR16	20220827	Sunny	Moderate	Mid-Ebb	Middle	8.15	11:03:00 AM	9.4	8.1	30.9	28.7	2.4	2.5

WSR16   20220827   Sunny   Moderate   Mid-Ebb   Middle   R15   11:03:00 AM   9.4   8.2   30.8   28.7   2.2   3.0	Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR16   20220827   Sunny   Moderate   Mid-Ebb   Bottom   15.3   11.02.00 AM   9.4   8.2   30.8   28.7   2.3   2.5	WSR16	20220827	Sunny	Moderate	Mid-Ebb	Middle	8.15	11:03:00 AM	9.4	8.2	30.8	28.7	2.2	2.5
WSR33         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:52:00 AM         8.5         8.1         31.8         29.4         2.5         2.5           WSR33         20220827         Sunny         Moderate         Mid-Ebb         Mid-Ebb         1         11:52:00 AM         8.6         8.1         31.8         29.4         2.4         2.5           WSR33         20220827         Sunny         Moderate         Mid-Ebb	WSR16	20220827	Sunny	Moderate	Mid-Ebb	Bottom	15.3	11:02:00 AM	9.4	8.2	30.9	28.7	2.2	3.0
WSR33   20220827   Sunny   Moderate   Mid-Ebb   Surface   1   11:52:00 AM   8.6   8.1   31.8   29.4   2.4   2.5	WSR16	20220827	Sunny	Moderate	Mid-Ebb	Bottom	15.3	11:02:00 AM	9.4	8.2	30.8	28.7	2.3	2.5
WSR33         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.7         11:51:00 AM         8.4         8.0         31.7         29.4         2.0         2.5           WSR33         20220827         Sunny         Moderate         Mid-Ebb         Mid-Ebb         Mid-Ebb         Mid-Ebb         Bottom         6.4         11:50:00 AM         8.5         8.1         31.7         29.3         2.2         2.5           WSR33         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.4         11:50:00 AM         8.4         8.1         31.8         29.3         2.1         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:37:00 AM         8.4         8.1         31.8         29.0         2.9         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Mid-Ebb         Midle         3.45         11:37:00 AM         8.5         8.1         31.8         29.0         2.7         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.5 <td>WSR33</td> <td>20220827</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Surface</td> <td>1</td> <td>11:52:00 AM</td> <td>8.5</td> <td>8.1</td> <td>31.8</td> <td>29.4</td> <td>2.5</td> <td>2.5</td>	WSR33	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	11:52:00 AM	8.5	8.1	31.8	29.4	2.5	2.5
WSR33         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.7         11:51:00 AM         8.4         8.1         31.8         29.3         2.2         2.5           WSR33         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.4         11:50:00 AM         8.5         8.1         31.7         29.3         2.3         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:37:00 AM         8.4         8.1         31.8         29.0         2.9         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:37:00 AM         8.5         8.2         31.6         29.0         2.7         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.45         11:37:00 AM         8.5         8.2         31.6         29.0         2.7         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.4         8.2         31.8         2.9         2.1         2	WSR33	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	11:52:00 AM	8.6	8.1	31.8	29.4	2.4	2.5
WSR33         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.4         11:50:00 AM         8.5         8.1         31.7         29.3         2.3         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:37:00 AM         8.4         8.1         31.8         29.3         2.1         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:37:00 AM         8.5         8.2         31.6         29.0         2.7         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb	WSR33	20220827	Sunny	Moderate	Mid-Ebb	Middle	3.7	11:51:00 AM	8.4	8.0	31.7	29.4	2.0	2.5
WSR33         20220827         Sunny         Moderate         Mid-Ebb         Bottom         6.4         11:50:00 AM         8.4         8.1         31.8         29.3         2.1         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:37:00 AM         8.4         8.1         31.8         29.0         2.9         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:37:00 AM         8.5         8.2         31.6         29.0         2.7         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.6         8.1         31.8         2.9         2.4         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.4         8.2         31.8         29.0         2.1         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         9.4         8.0         32.1         29.5         2.1         2.	WSR33	20220827	Sunny	Moderate	Mid-Ebb	Middle	3.7	11:51:00 AM	8.4	8.1	31.8	29.3	2.2	2.5
WSR36         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:37:00 AM         8.4         8.1         31.8         29.0         2.9         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:37:00 AM         8.5         8.2         31.6         29.0         2.7         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.45         11:37:00 AM         8.5         8.1         31.8         28.9         2.4         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.4         8.2         31.8         29.0         2.1         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.4         8.1         31.6         29.0         2.1         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:24:00 AM         9.6         8.1         32.1         29.5         2.2         2	WSR33	20220827	Sunny	Moderate	Mid-Ebb	Bottom	6.4	11:50:00 AM	8.5	8.1	31.7	29.3	2.3	2.5
WSR36         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:37:00 AM         8.5         8.2         31.6         29.0         2.7         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.45         11:37:00 AM         8.6         8.1         31.7         28.9         2.3         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bit off         5.9         11:36:00 AM         8.4         8.2         31.8         29.0         2.1         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.4         8.2         31.8         29.0         2.1         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:24:00 AM         9.4         8.0         32.1         29.5         2.1         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.15         11:23:00 AM         9.4         8.1         31.9         2.9.4         2.0         <	WSR33	20220827	Sunny	Moderate	Mid-Ebb	Bottom	6.4	11:50:00 AM	8.4	8.1	31.8	29.3	2.1	2.5
WSR36         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.45         11:37:00 AM         8.6         8.1         31.7         28.9         2.3         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.5         8.1         31.8         28.9         2.4         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.4         8.2         31.8         29.0         2.1         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:24:00 AM         9.4         8.0         32.1         29.5         2.1         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.15         11:23:00 AM         9.6         8.1         32.1         29.5         2.2         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.15         11:23:00 AM         9.4         8.0         32.2         29.5         2.2         <	WSR36	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	11:37:00 AM	8.4	8.1	31.8	29.0	2.9	2.5
WSR36         20220827         Sunny         Moderate         Mid-Ebb         Middle         3.45         11:37:00 AM         8.5         8.1         31.8         28.9         2.4         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.4         8.2         31.8         29.0         2.1         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:24:00 AM         9.4         8.0         32.1         29.5         2.1         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:24:00 AM         9.6         8.1         32.1         29.5         2.2         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.15         11:23:00 AM         9.4         8.0         32.2         29.5         2.2         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.5         8.1         31.9         29.5         2.0 <td< td=""><td>WSR36</td><td>20220827</td><td>Sunny</td><td>Moderate</td><td>Mid-Ebb</td><td>Surface</td><td>1</td><td>11:37:00 AM</td><td>8.5</td><td>8.2</td><td>31.6</td><td>29.0</td><td>2.7</td><td>2.5</td></td<>	WSR36	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	11:37:00 AM	8.5	8.2	31.6	29.0	2.7	2.5
WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.4         8.2         31.8         29.0         2.1         2.5           WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.5         8.1         31.6         29.0         2.0         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:24:00 AM         9.6         8.1         32.1         29.5         2.2         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Mid-Ebb         Midle         4.15         11:23:00 AM         9.6         8.1         32.1         29.5         2.2         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Midle         4.15         11:23:00 AM         9.4         8.1         31.9         29.5         2.2         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.5         8.1         31.9         29.5	WSR36	20220827	Sunny	Moderate	Mid-Ebb	Middle	3.45	11:37:00 AM	8.6	8.1	31.7	28.9	2.3	2.5
WSR36         20220827         Sunny         Moderate         Mid-Ebb         Bottom         5.9         11:36:00 AM         8.5         8.1         31.6         29.0         2.0         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:24:00 AM         9.4         8.0         32.1         29.5         2.1         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.15         11:23:00 AM         9.4         8.0         32.2         29.5         2.2         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.4         8.1         31.9         29.4         2.0         3.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.5         8.1         31.9         29.5         2.0         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.6         8.1         31.9         29.5         2.3 <td< td=""><td>WSR36</td><td>20220827</td><td>Sunny</td><td>Moderate</td><td>Mid-Ebb</td><td>Middle</td><td>3.45</td><td>11:37:00 AM</td><td>8.5</td><td>8.1</td><td>31.8</td><td>28.9</td><td>2.4</td><td>2.5</td></td<>	WSR36	20220827	Sunny	Moderate	Mid-Ebb	Middle	3.45	11:37:00 AM	8.5	8.1	31.8	28.9	2.4	2.5
WSR37         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:24:00 AM         9.4         8.0         32.1         29.5         2.1         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:24:00 AM         9.6         8.1         32.1         29.5         2.2         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.15         11:23:00 AM         9.4         8.0         32.2         29.5         2.2         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.4         8.1         31.9         29.5         2.0         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.5         8.1         31.9         29.5         2.0         4.0           WSR37         20220830         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.6         8.1         30.9         29.5         2.3	WSR36	20220827	Sunny	Moderate	Mid-Ebb	Bottom	5.9	11:36:00 AM	8.4	8.2	31.8	29.0	2.1	2.5
WSR37         20220827         Sunny         Moderate         Mid-Ebb         Surface         1         11:24:00 AM         9.6         8.1         32.1         29.5         2.2         2.5           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.15         11:23:00 AM         9.4         8.0         32.2         29.5         2.2         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.4         8.1         31.9         29.4         2.0         3.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.5         8.1         31.9         29.5         2.0         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:900 PM         8.6         8.1         31.9         29.5         2.3         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         12:29:00 PM         8.6         8.1         30.7         28.9         3.3         2.	WSR36	20220827	Sunny	Moderate	Mid-Ebb	Bottom	5.9	11:36:00 AM	8.5	8.1	31.6	29.0	2.0	2.5
WSR37         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.15         11:23:00 AM         9.4         8.0         32.2         29.5         2.2         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.15         11:23:00 AM         9.4         8.1         31.9         29.4         2.0         3.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.5         8.1         31.9         29.5         2.0         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.6         8.1         31.9         29.5         2.3         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         12:29:00 PM         8.6         8.1         30.7         28.9         3.3         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.05         12:28:00 PM         8.6         8.1         30.9         29.0         3.6         2.	WSR37	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	11:24:00 AM	9.4	8.0	32.1	29.5	2.1	2.5
WSR37         20220827         Sunny         Moderate         Mid-Ebb         Middle         4.15         11:23:00 AM         9.4         8.1         31.9         29.4         2.0         3.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.5         8.1         31.9         29.5         2.0         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.6         8.1         31.9         29.5         2.3         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         12:29:00 PM         8.6         8.1         30.8         29.1         3.4         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.05         12:28:00 PM         8.6         8.1         30.9         29.0         3.6         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         8.7         8.1         30.7         28.9         3.5         2.5 </td <td>WSR37</td> <td>20220827</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Surface</td> <td>1</td> <td>11:24:00 AM</td> <td>9.6</td> <td>8.1</td> <td>32.1</td> <td>29.5</td> <td>2.2</td> <td>2.5</td>	WSR37	20220827	Sunny	Moderate	Mid-Ebb	Surface	1	11:24:00 AM	9.6	8.1	32.1	29.5	2.2	2.5
WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.5         8.1         31.9         29.5         2.0         4.0           WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.6         8.1         31.9         29.5         2.3         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         12:29:00 PM         8.6         8.1         30.8         29.1         3.4         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.05         12:28:00 PM         8.6         8.1         30.9         29.0         3.6         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Midle         10.05         12:28:00 PM         8.7         8.1         30.7         28.9         3.5         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         8.0         8.1         30.9         29.1         3.8         2.5	WSR37	20220827	Sunny	Moderate	Mid-Ebb	Middle	4.15	11:23:00 AM	9.4	8.0	32.2	29.5	2.2	4.0
WSR37         20220827         Sunny         Moderate         Mid-Ebb         Bottom         7.3         11:22:00 AM         9.6         8.1         31.9         29.5         2.3         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         12:29:00 PM         8.6         8.1         30.8         29.1         3.4         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.05         12:28:00 PM         8.6         8.1         30.7         28.9         3.3         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.05         12:28:00 PM         8.6         8.1         30.9         29.0         3.6         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.05         12:28:00 PM         8.7         8.1         30.7         28.9         3.5         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         8.5         8.1         30.9         29.1         3.8         2.5	WSR37	20220827	Sunny	Moderate	Mid-Ebb	Middle	4.15	11:23:00 AM	9.4	8.1	31.9	29.4	2.0	3.0
CE         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         12:29:00 PM         8.6         8.1         30.8         29.1         3.4         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         12:29:00 PM         8.9         8.1         30.7         28.9         3.3         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.05         12:28:00 PM         8.6         8.1         30.9         29.0         3.6         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         8.7         8.1         30.7         28.9         3.5         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         8.7         8.1         30.9         29.1         3.8         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         2:58:00 PM         8.9         8.1         30.1         29.1         3.1         2.5 <td>WSR37</td> <td>20220827</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>7.3</td> <td>11:22:00 AM</td> <td>9.5</td> <td>8.1</td> <td>31.9</td> <td>29.5</td> <td>2.0</td> <td>4.0</td>	WSR37	20220827	Sunny	Moderate	Mid-Ebb	Bottom	7.3	11:22:00 AM	9.5	8.1	31.9	29.5	2.0	4.0
CE         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         12:29:00 PM         8.9         8.1         30.7         28.9         3.3         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.05         12:28:00 PM         8.6         8.1         30.9         29.0         3.6         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         8.7         8.1         30.7         28.9         3.5         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         9.0         8.1         30.9         29.1         3.8         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         8.5         8.1         30.9         29.1         3.8         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         2:58:00 PM         9.2         8.1         30.3         29.1         2.8         3.0 </td <td>WSR37</td> <td>20220827</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Bottom</td> <td>7.3</td> <td>11:22:00 AM</td> <td>9.6</td> <td>8.1</td> <td>31.9</td> <td>29.5</td> <td>2.3</td> <td>2.5</td>	WSR37	20220827	Sunny	Moderate	Mid-Ebb	Bottom	7.3	11:22:00 AM	9.6	8.1	31.9	29.5	2.3	2.5
CE         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.05         12:28:00 PM         8.6         8.1         30.9         29.0         3.6         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.05         12:28:00 PM         8.7         8.1         30.7         28.9         3.5         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         9.0         8.1         30.9         29.1         3.8         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         8.5         8.1         30.9         28.9         3.8         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         2:58:00 PM         8.9         8.1         30.1         29.1         3.1         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.3         29.1         3.1         2.5	CE	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	12:29:00 PM	8.6	8.1	30.8	29.1	3.4	2.5
CE         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.05         12:28:00 PM         8.7         8.1         30.7         28.9         3.5         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         9.0         8.1         30.9         29.1         3.8         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         8.5         8.1         30.9         28.9         3.8         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         2:58:00 PM         8.9         8.1         30.1         29.1         3.1         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.3         29.1         3.1         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.2         29.2         3.0         2.5 </td <td>CE</td> <td>20220830</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Surface</td> <td>1</td> <td>12:29:00 PM</td> <td>8.9</td> <td>8.1</td> <td>30.7</td> <td>28.9</td> <td>3.3</td> <td>2.5</td>	CE	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	12:29:00 PM	8.9	8.1	30.7	28.9	3.3	2.5
CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         9.0         8.1         30.9         29.1         3.8         2.5           CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         8.5         8.1         30.9         28.9         3.8         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         2:58:00 PM         8.9         8.1         30.1         29.1         3.1         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.3         29.1         3.1         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.2         29.2         3.0         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.2         2:56:00 PM         9.1         8.1         30.2         29.1         3.2         2.5 <td>CE</td> <td>20220830</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Ebb</td> <td>Middle</td> <td>10.05</td> <td>12:28:00 PM</td> <td>8.6</td> <td>8.1</td> <td>30.9</td> <td>29.0</td> <td>3.6</td> <td>2.5</td>	CE	20220830	Sunny	Moderate	Mid-Ebb	Middle	10.05	12:28:00 PM	8.6	8.1	30.9	29.0	3.6	2.5
CE         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.1         12:27:00 PM         8.5         8.1         30.9         28.9         3.8         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         2:58:00 PM         8.9         8.1         30.1         29.1         3.1         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.3         29.1         3.1         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.2         29.2         3.0         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.2         29.2         3.0         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.2         2:56:00 PM         9.1         8.1         30.2         29.1         3.2         2.5	CE	20220830	Sunny	Moderate	Mid-Ebb	Middle	10.05	12:28:00 PM	8.7	8.1	30.7	28.9	3.5	2.5
CF         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         2:58:00 PM         8.9         8.1         30.1         29.1         3.1         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         2:58:00 PM         9.2         8.1         30.3         29.1         2.8         3.0           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.3         29.1         3.1         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.2         29.2         3.0         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.2         2:56:00 PM         9.1         8.1         30.2         29.1         3.2         2.5	CE	20220830	Sunny	Moderate	Mid-Ebb	Bottom	19.1	12:27:00 PM	9.0	8.1	30.9	29.1	3.8	2.5
CF         20220830         Sunny         Moderate         Mid-Ebb         Surface         1         2:58:00 PM         9.2         8.1         30.3         29.1         2.8         3.0           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.3         29.1         3.1         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.2         29.2         3.0         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.2         2:56:00 PM         9.1         8.1         30.2         29.1         3.2         2.5	CE	20220830	Sunny	Moderate	Mid-Ebb	Bottom	19.1	12:27:00 PM	8.5	8.1	30.9	28.9	3.8	2.5
CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.3         29.1         3.1         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Middle         10.1         2:57:00 PM         8.9         8.1         30.2         29.2         3.0         2.5           CF         20220830         Sunny         Moderate         Mid-Ebb         Bottom         19.2         2:56:00 PM         9.1         8.1         30.2         29.1         3.2         2.5	CF	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	2:58:00 PM	8.9	8.1	30.1	29.1	3.1	2.5
CF     20220830     Sunny     Moderate     Mid-Ebb     Middle     10.1     2:57:00 PM     8.9     8.1     30.2     29.2     3.0     2.5       CF     20220830     Sunny     Moderate     Mid-Ebb     Bottom     19.2     2:56:00 PM     9.1     8.1     30.2     29.1     3.2     2.5	CF	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	2:58:00 PM	9.2	8.1	30.3	29.1	2.8	3.0
CF 20220830 Sunny Moderate Mid-Ebb Bottom 19.2 2:56:00 PM 9.1 8.1 30.2 29.1 3.2 2.5	CF	20220830	Sunny	Moderate	Mid-Ebb	Middle	10.1	2:57:00 PM	8.9	8.1	30.3	29.1	3.1	2.5
·	CF	20220830	Sunny	Moderate	Mid-Ebb	Middle	10.1	2:57:00 PM	8.9	8.1	30.2	29.2	3.0	2.5
CF 20220830 Sunny Moderate Mid-Ebb Bottom 19.2 2:56:00 PM 8.9 8.1 30.1 29.1 3.3 2.5	CF	20220830	Sunny	Moderate	Mid-Ebb	Bottom	19.2	2:56:00 PM	9.1	8.1	30.2	29.1	3.2	2.5
	CF	20220830	Sunny	Moderate	Mid-Ebb	Bottom	19.2	2:56:00 PM	8.9	8.1	30.1	29.1	3.3	2.5

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR01	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	2:35:00 PM	8.9	8.2	30.5	29.1	2.6	3.0
WSR01	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	2:35:00 PM	9.1	8.1	30.6	29.1	2.3	3.0
WSR01	20220830	Sunny	Moderate	Mid-Ebb	Middle	4.35	2:34:00 PM	8.9	8.2	30.6	29.0	2.2	2.5
WSR01	20220830	Sunny	Moderate	Mid-Ebb	Middle	4.35	2:34:00 PM	9.1	8.1	30.7	29.1	2.5	3.0
WSR01	20220830	Sunny	Moderate	Mid-Ebb	Bottom	7.7	2:33:00 PM	8.8	8.2	30.7	29.0	2.2	2.5
WSR01	20220830	Sunny	Moderate	Mid-Ebb	Bottom	7.7	2:33:00 PM	9.2	8.2	30.6	29.1	2.2	2.5
WSR02	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	2:17:00 PM	9.1	8.1	29.7	29.1	1.9	3.0
WSR02	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	2:17:00 PM	9.0	8.1	29.9	29.1	2.0	4.0
WSR02	20220830	Sunny	Moderate	Mid-Ebb	Middle	4.6	2:16:00 PM	8.8	8.1	29.7	29.2	1.9	6.0
WSR02	20220830	Sunny	Moderate	Mid-Ebb	Middle	4.6	2:16:00 PM	8.7	8.1	29.6	29.1	1.8	6.0
WSR02	20220830	Sunny	Moderate	Mid-Ebb	Bottom	8.2	2:15:00 PM	8.7	8.1	29.8	29.0	2.1	7.0
WSR02	20220830	Sunny	Moderate	Mid-Ebb	Bottom	8.2	2:15:00 PM	9.0	8.1	29.7	29.1	2.1	7.0
WSR03	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	2:02:00 PM	8.8	8.1	30.1	29.1	2.7	7.0
WSR03	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	2:02:00 PM	8.5	8.1	29.9	29.2	2.8	8.0
WSR03	20220830	Sunny	Moderate	Mid-Ebb	Middle	4.25	2:01:00 PM	8.5	8.1	30.0	29.2	2.2	7.0
WSR03	20220830	Sunny	Moderate	Mid-Ebb	Middle	4.25	2:01:00 PM	8.8	8.1	29.9	29.1	2.3	5.0
WSR03	20220830	Sunny	Moderate	Mid-Ebb	Bottom	7.5	2:00:00 PM	8.7	8.1	30.1	29.2	2.1	6.0
WSR03	20220830	Sunny	Moderate	Mid-Ebb	Bottom	7.5	2:00:00 PM	8.9	8.1	30.0	29.1	2.2	8.0
WSR04	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	1:50:00 PM	8.6	8.1	30.7	29.2	2.3	4.0
WSR04	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	1:50:00 PM	9.0	8.1	30.5	29.2	2.4	3.0
WSR04	20220830	Sunny	Moderate	Mid-Ebb	Middle	3.85	1:49:00 PM	8.5	8.1	30.5	29.1	2.3	6.0
WSR04	20220830	Sunny	Moderate	Mid-Ebb	Middle	3.85	1:49:00 PM	8.6	8.1	30.7	29.1	2.1	5.0
WSR04	20220830	Sunny	Moderate	Mid-Ebb	Bottom	6.7	1:48:00 PM	8.4	8.1	30.5	29.2	2.2	5.0
WSR04	20220830	Sunny	Moderate	Mid-Ebb	Bottom	6.7	1:48:00 PM	8.6	8.1	30.7	29.1	2.0	8.0
WSR16	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	12:50:00 PM	8.9	8.1	30.6	28.9	2.7	5.0
WSR16	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	12:50:00 PM	9.0	8.1	30.6	29.0	3.0	2.5
WSR16	20220830	Sunny	Moderate	Mid-Ebb	Middle	7.8	12:49:00 PM	8.8	8.1	30.6	28.9	2.5	4.0
WSR16	20220830	Sunny	Moderate	Mid-Ebb	Middle	7.8	12:49:00 PM	9.1	8.1	30.8	28.9	2.8	4.0
WSR16	20220830	Sunny	Moderate	Mid-Ebb	Bottom	14.6	12:48:00 PM	8.9	8.1	30.8	29.0	2.6	2.5
WSR16	20220830	Sunny	Moderate	Mid-Ebb	Bottom	14.6	12:48:00 PM	8.7	8.1	30.8	29.0	2.6	2.5
WSR33	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	1:36:00 PM	9.0	8.1	29.8	29.3	3.3	2.5
WSR33	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	1:36:00 PM	9.0	8.1	29.9	29.2	3.0	2.5
WSR33	20220830	Sunny	Moderate	Mid-Ebb	Middle	3.55	1:35:00 PM	8.9	8.1	30.0	29.2	2.6	3.0

Location	Date	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time	DO (mg/L)	рН	Sal (ppt)	Temp (oC)	Turbidty (NTU)	Suspended Solids (mg/L)
WSR33	20220830	Sunny	Moderate	Mid-Ebb	Middle	3.55	1:35:00 PM	8.8	8.1	29.8	29.2	2.6	4.0
WSR33	20220830	Sunny	Moderate	Mid-Ebb	Bottom	6.1	1:34:00 PM	9.1	8.2	29.9	29.2	2.9	5.0
WSR33	20220830	Sunny	Moderate	Mid-Ebb	Bottom	6.1	1:34:00 PM	8.9	8.1	29.9	29.3	2.6	4.0
WSR36	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	1:23:00 PM	8.6	8.2	30.7	28.8	2.4	4.0
WSR36	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	1:23:00 PM	8.7	8.2	30.6	28.8	2.9	3.0
WSR36	20220830	Sunny	Moderate	Mid-Ebb	Middle	3.4	1:23:00 PM	8.5	8.2	30.7	28.8	2.3	4.0
WSR36	20220830	Sunny	Moderate	Mid-Ebb	Middle	3.4	1:23:00 PM	9.0	8.1	30.5	28.8	2.7	4.0
WSR36	20220830	Sunny	Moderate	Mid-Ebb	Bottom	5.8	1:22:00 PM	8.6	8.2	30.6	28.8	2.3	7.0
WSR36	20220830	Sunny	Moderate	Mid-Ebb	Bottom	5.8	1:22:00 PM	8.5	8.2	30.5	28.8	2.1	4.0
WSR37	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	1:10:00 PM	8.7	8.2	30.1	29.0	2.7	4.0
WSR37	20220830	Sunny	Moderate	Mid-Ebb	Surface	1	1:10:00 PM	8.7	8.2	30.2	29.0	2.3	2.5
WSR37	20220830	Sunny	Moderate	Mid-Ebb	Middle	4.05	1:09:00 PM	9.2	8.3	30.3	29.0	2.1	3.0
WSR37	20220830	Sunny	Moderate	Mid-Ebb	Middle	4.05	1:09:00 PM	9.1	8.2	30.0	29.0	1.9	5.0
WSR37	20220830	Sunny	Moderate	Mid-Ebb	Bottom	7.1	1:08:00 PM	8.7	8.2	30.2	29.0	2.2	7.0
WSR37	20220830	Sunny	Moderate	Mid-Ebb	Bottom	7.1	1:08:00 PM	8.8	8.3	30.1	29.1	2.0	7.0

Contract Title Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

Serial No.	Monitoring Equipment	Last Calibration
254938	GMI-PS500	29/9/2021

			Weather Condition		Landfill Gas	Parameters		Physical Parameters		Measu	red by
Monitoring Location	Date (dd/mm/yyyy)	Time (hh:mm)	Sunny/ Fine/ Overcast/ Drizzle/ Rain/ Storm/ Hazy	Methane (%LEL)	Oxygen (%)	Carbon Dioxide (%)	Balance Gas (%) (e.g. H2S)	Temp (°C) / Pressure mBar	Trench Depth (m)	Name	Signature
Ch1+513 - Ch1+625	/ 8/ 2022	8:30	Tihe	U	W	604	ড	31.4 / 105.8	2	Peter	Mm
Ch1+513 - Ch1+625	/ 8/ 2022	13:30	Tripe	D	201	0 04	Ö	35,2 / / wsh	2	Peter	M
Ch1+513 - Ch1+625	7 / 8/ 2022	8:30	Tire	0	74.	404	0	32.21 /w?.	2	Peter	Mon
Ch1+513 - Ch1+625	7 / 8/ 2022	13:30	Fix	V	201	0.09	D	354/ (67.1	2	Peter	Mon
Ch1+513 - Ch1+625	ু / ৪/ 2022	8:30	Tin	6	21	0.04	U	31.3 / 1006.7	2	Peter	Work
Ch1+513 - Ch1+625	3 / 8/ 2022	13:30	Fire	6	21	0.04	0	324 / /206.	2	Peter	MER
Ch1+513 - Ch1+625	4 /8/2022	8:30	Fin	Ó	WI	404	0	27.8 1 1W4.5	2	Peter	RAN
Ch1+513 - Ch1+625	4 /8/2022	13:30	line	0	2.8	404	6	295 1/64.5	2	Peter	MAR
Ch1+513 - Ch1+625	7 / 8/ 2022	8:30	Flu	0	25	0.04	0	28.9 / 1 w 7.6	2	Peter	Mta
Ch1+513 - Ch1+625	5 / 8/ 2022	13:30	Fire	0	209	nog	0	297/10/18	2	Peter	Ath
Ch1+513 - Ch1+625	6 / 8/ 2022	8:30	Fire	0	209	0,04	0	26.7 / (006.)	2	Peter	ater
Ch1+513 - Ch1+625	0 /8/2022	13:30	Fine	0	20,9	0,04	0	29.7/1/0061	2	Peter	Non
Ch1+513 - Ch1+625	/ 8/ 2022	8:30						1	2	Peter	
Ch1+513 - Ch1+625	/ 8/ 2022	13:30						/	2	Peter	

Checked by:	S	H.F Yan	WSZ
 Date			

Contract Title Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

CMI DOEGO	00/0/0004
GMI-PS500	29/9/2021

			Weather Condition		Landfill Gas	Parameters		Physical Parameters		Measu	ired by
Monitoring Location	Date (dd/mm/yyyy)	Time (hh:mm)	Sunny/ Fine/ Overcast/ Drizzle/ Rain/ Storm/ Hazy	Methane (%LEL)	Oxygen (%)	Carbon Dioxide (%)	Balance Gas (%) (e.g. H2S)	Temp (°C) / Pressure mBar	Trench Depth (m)	Name	Signature
Ch1+513 - Ch1+625	8/2022	8:30	Fm	1	201	uvy	U	23 /100.6-3	2	Peter	Mon
Ch1+513 - Ch1+625	8 / 8/ 2022	13:30	Fine	0	201	0.09	0	31.3 //006.3	2	Peter	Min
Ch1+513 - Ch1+625	ዓ / 8/ 2022	8:30	Fin	P	20,8	4 24	Ø	30,11/026	2	Peter	MER
Ch1+513 - Ch1+625	7 / 8/ 2022	13:30	F,w	10	200	2,04	b	32-2 / /003.6	2	Peter	Mer
Ch1+513 - Ch1+625	(0 / 8/ 2022	8:30	Fire	V	70.9	0,04	O	29.5 1 /w4.1	2	Peter	MAR
Ch1+513 - Ch1+625	(9 / 8/ 2022	13:30	File	P	201	0.09	0	29.8/104.1	2	Peter	My 1
Ch1+513 - Ch1+625	// 8/2022	8:30	File	0	21	0,04	0	28/1/607.8	2	Peter	proto
Ch1+513 - Ch1+625	/ 8/2022	13:30	File	V	wl	204	0	29.5/1/07.8	2	Peter	MAR
Ch1+513 - Ch1+625	12 /8/2022	8:30	Flre	D	Zol	0.04	0	20.21/whig	2	Peter	artil
Ch1+513 - Ch1+625	(V /8/2022	13:30	Fire	0	209	0.09	0	29.7/10.88	2	Peter	Artol
Ch1+513 - Ch1+625	( } / 8/ 2022	8:30	Time	Ø	wil	0,04	0	28.5/ (no.6,0	2	Peter	phol
Ch1+513 - Ch1+625	/3 /8/2022	13:30	The	3	کر	0,04	v	30.1/008,0	2	Peter	por
Ch1+513 - Ch1+625	/ 8/ 2022	8:30						/	2	Peter	V
Ch1+513 - Ch1+625	/ 8/ 2022	13:30						/	2	Peter	

Checked by :	3	H.F. Kan	WSI
Date	3		

Contract Title Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

29/9/2021

			Weather Condition		Landfill Gas	Parameters		Physical Parameters		Measu	ired by
Monitoring Location	Date (dd/mm/yyyy)	Time (hh:mm)	Sunny/ Fine/ Overcast/ Drizzle/ Rain/ Storm/ Hazy	Methane (%LEL)	Oxygen (%)	Carbon Dioxide (%)	Balance Gas (%) (e.g. H2S)	Temp (°C) / Pressure mBar	Trench Depth (m)	Name	Signature
Ch1+513 - Ch1+625	is /8/2022	8:30	Fin	V	20.9	0.04	0	29.2/1006.2	2	Peter	My
Ch1+513 - Ch1+625	/ / 8/ 2022	13:30	Km	2	20.8	ULUY	O	31.3 / lw6:2	2	Peter	Mon
Ch1+513 - Ch1+625	6 /8/2022	8:30	Fire	7	MS	2,04	P	27/126	2	Peter	Mon
Ch1+513 - Ch1+625	6 /8/2022	13:30	Fin	9	ws	Noy	P	321 / lws.6	2	Peter	Mon
Ch1+513 - Ch1+625	/7 /8/2022	8:30	Ilm	2	W.S	٧٠٠	0	28.5 / jws8	2	Peter	Man
Ch1+513 - Ch1+625	/ γ / 8/ 2022	13:30	Fla	0	wl	0,04	0	29.2//005.8	2	Peter	MER
Ch1+513 - Ch1+625	/8 / 8/ 2022	8:30	Tim	0	229	voc	0	28.2 / 1253	2	Peter	MA
Ch1+513 - Ch1+625	18 / 8/ 2022	13:30	Fine	7	wl	٥٠٥٦	O	29.7 / 10055	2	Peter	mon
Ch1+513 - Ch1+625	/ 8/ 2022	8:30	Fjre	0	209	voq	ű	28,5 / (w4.5	2	Peter	MAR
Ch1+513 - Ch1+625	/ 8/ 2022	13:30	Fire	0	WS	0.04	D	29.9 //004.1	2	Peter	Man
Ch1+513 - Ch1+625	20 / 8/ 2022	8:30	Tire	7	25	U, U4	υ	27.5 / 1007.5	2	Peter	Mon
Ch1+513 - Ch1+625	Vo / 8/ 2022	13:30	Fine	~	20-8	0,04	0	29,2//27,5	2	Peter	MAN
Ch1+513 - Ch1+625	/ 8/ 2022	8:30	F.			· ·		/	2	Peter	
Ch1+513 - Ch1+625	/ 8/ 2022	13:30						/	2	Peter	

Checked by :	d	H.F. Yan	WSI	
Date	ļ	,		

Contract Title Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

29/9/2021

			Weather Condition		Landfill Gas	Parameters		Physical Parameters		Measu	ured by
Monitoring Location	Date (dd/mm/yyyy)	Time (hh:mm)	Sunny/ Fine/ Overcast/ Drizzle/ Rain/ Storm/ Hazy	Methane (%LEL)	Oxygen (%)	Carbon Dioxide (%)	Balance Gas (%) (e.g. H2S)	Temp (°C) / Pressure mBar	Trench Depth (m)	Name	Signature
Ch1+513 - Ch1+625	22 /8/2022	8:30	FM	J	7.05	Oio4	O	2913 / 1W6.9	2	Peter	Mon
Ch1+513 - Ch1+625	72 /8/2022	13:30	The	0	208	v. v4	0	31.2 /10069	2	Peter	Mt/L
Ch1+513 - Ch1+625	ン} /8/2022	8:30	F,bu	8	20.9	0,04	0	2871/us,0	2	Peter	Mor
Ch1+513 - Ch1+625	2} /8/2022	13:30	Fir	0	20.9	0,04	O	29,5 1/0050	2	Peter	Mon
Ch1+513 - Ch1+625	ንኅ / 8/ 2022	8:30	liv	0	208	4 54	O	29.9/1027	2	Peter	phi
Ch1+513 - Ch1+625	V / 8/ 2022	13:30	Tim	O O	20.5	0,4	0	30.5 / /0023	2	Peter	Mos
Ch1+513 - Ch1+625	25 / 8/ 2022	8:30	Vin	0	24.8	الراهلو	0	28-51/006.3	2	Peter	MA
Ch1+513 - Ch1+625	25 / 8/ 2022	13:30	Line	J	201	Vivy	0	29,2/1006.3	2	Peter	My /h
Ch1+513 - Ch1+625	26 / 8/ 2022	8:30	The	0	20.	404	g	29.5/1/010.6	2	Peter	MA
Ch1+513 - Ch1+625	26 / 8/ 2022	13:30	Liv	I	20.5	8,04	0	30,1/10/0,6	2	Peter	Malt
Ch1+513 - Ch1+625	77 /8/2022	8:30	Fin	0	20.	الالالم	0	27.8 / 109.2	2	Peter	Mich
Ch1+513 - Ch1+625	V7 /8/2022	13:30	Fin	U	202	٥. ٧٧	V	29.5 / /00/2	2	Peter	MER
Ch1+513 - Ch1+625	/ 8/ 2022	8:30						/	2	Peter	
Ch1+513 - Ch1+625	/ 8/ 2022	13:30						/	2	Peter	
							£				

	Q	H.F.Ya	1.11
Checked by :	- 4	H.F. 19	y WS
Date			

Contract Title Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant

254938 GMI-PS500 29/9/2021
I I

			Weather Condition		Landfill Gas	Parameters		Physical Parameters		Measu	red by
Monitoring Location	Date (dd/mm/yyyy)	Time (hh:mm)	Sunny/ Fine/ Overcast/ Drizzle/ Rain/ Storm/ Hazy	Methane (%LEL)	Oxygen (%)	Carbon Dioxide (%)	Balance Gas (%) (e.g. H2S)	Temp (°C) / Pressure mBar	Trench Depth (m)	Name	Signature
Ch1+513 - Ch1+625	jg / 8/ 2022	8:30	Fin	v	Zul	ULOH	0	283 / 1010.2	2	Peter	Man
Ch1+513 - Ch1+625	) / 8/ 2022	13:30	The	0	Zul	owy	J	29.8/1010,2	2	Peter	Wen
Ch1+513 - Ch1+625	/ 8/ 2022	8:30	Time	O	Jul	0,04	0	IG1 / Nofit	2	Peter	alen
Ch1+513 - Ch1+625	}v / 8/ 2022	13:30	Fire	0	W-P	الينز	6	29.7 / 1008.8	2	Peter	from
Ch1+513 - Ch1+625	3 / 8/2022	8:30	Fire	0	201	0,04	6	26.5 / /0067	2	Peter	Why
Ch1+513 - Ch1+625	7 / 8/ 2022 / א	13:30	Tin	0	Jul	0,04	D	27,9/6067	2	Peter	Mar
Ch1+513 - Ch1+625	/ 8/ 2022	8:30	(in					/	2	Peter	
Ch1+513 - Ch1+625	/ 8/ 2022	13:30						/	2	Peter	
Ch1+513 - Ch1+625	/ 8/ 2022	8:30						/	2	Peter	
Ch1+513 - Ch1+625	/ 8/ 2022	13:30						/	2	Peter	
Ch1+513 - Ch1+625	/ 8/ 2022	8:30						/	2	Peter	
Ch1+513 - Ch1+625	/ 8/ 2022	13:30			*			/	2	Peter	
Ch1+513 - Ch1+625	/ 8/ 2022	8:30						/	2	Peter	
Ch1+513 - Ch1+625	/ 8/ 2022	13:30						1	2	Peter	

Checked by :	F H.F. En WI
Date	

Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant





# Appendix M

**HOKLAS Laboratory Certificate** 



**Hong Kong Accreditation Service** 香港認可處

#### **Certificate of Accreditation**

認可證書

This is to certify that 特此證明

#### ACUMEN LABORATORY AND TESTING LIMITED

浩科檢測中心有限公司

Lot 12, Tam Kon Shan Road, North Tsing Yi, New Territories, Hong Kong 香港新界青衣北担杆山路12路段

is accredited by the Hong Kong Accreditation Service (HKAS) to ISO/IEC 17025:2017 for performing specific laboratory activities as listed in the scope of accreditation within the test category of 獲香港認可處根據ISO/IEC 17025:2017認可 進行載於認可範圍內下巡測試類別中的指定實驗所活動

#### **Environmental Testing**

環境測試

This accreditation to ISO/IEC 17025:2017 demonstrates technical competence for a defined scope and the implementation of a management system relevant to laboratory operation (see joint IAF-ILAC-ISO Communiqué).

此項 ISO/IEC 17025:2017 的認可資格證明此實驗所具備指定範疇內所須的技術能力並 實施一套與實驗所運作相關的管理體系 (見國際認可論地、國際實驗所認可合作組織及國際標準化組織的聯合公報)。

The common seal of HKAS is affixed hereto by the authority of the HKAS Executive 現經香港認可處執行機關授權在此蓋上香港認可處的印章

SHOM Wai-leung, Executive Administrator

執行幹事 沈偉良

Issue Date: 2 December 2019

簽發日期:二零一九年十二月二日

Registration Number: HOKLAS 241

注冊號碼:



Date of First Registration: 16 July 2014 首次註冊日期:二零一四年七月十六日





# Appendix N

Water Quality and Landfill Gas Equipment Calibration Certificate



Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong Email: info@qualityprotest.com; Website: www.qualityprotest.com Tel: (852) 3956 8717; Fax: (852) 3956 3928

## REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No.

: R-BB070028

**Date of Issue** 

: 13 July 2022

Page No.

: 1 of 2

#### **PART A - CUSTOMER INFORMATION**

Acuity Sustainability Consulting Limited Unit E, 12/F, Ford Glory Plaza 37-39 Wing Hong Street, Cheung Sha Wan Kowloon (HK) Hong Kong Attn:

#### PART B - SAMPLE INFORMATION

Name of Equipment:

YSI ProDSS (Multi-Parameters)

Manufacturer:

YSI (a xylem brand)

Serial Number:

22C106561

Date of Received:

08 July 2022

Date of Calibration :

11 July 2022

Date of Next Calibration:

10 October 2022

#### PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

**Test Parameter** 

Reference Method

Turbidity

APHA 21e 2130B APHA 21e 4500 O

Dissolved oxygen 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	0.13		Satisfactory
10	9.91	-0.90	Satisfactory
20	19.52	-2.40	Satisfactory
100	96.50	-3.50	Satisfactory
800	783.45	-2.10	Satisfactory

Tolerance of Turbidity should be less than  $\pm 10.0$  (%)

#### (2) Dissolved oxygen

Expected Reading ( mg/L )	Display Reading ( mg/L )	Tolerance	Result
7.71	7.67	-0.04	Satisfactory
4.57	4.88	0.31	Satisfactory
2.73	2.67	-0.06	Satisfactory
0.05	0.26	0.21	Satisfactory

Tolerance of Dissolved oxygen should be less than  $\pm 0.5$  ( mg/L )

#### (3) pH value

(b) pir tame						
Target (pH unit)	Display Reading (pH unit)	Tolerance	Result			

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

Assistant Manager (Chemical Testing)



Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong Email: info@qualityprotest.com; Website: www.qualityprotest.com Tel: (852) 3956 8717; Fax: (852) 3956 3928

### REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No.

: R-BB070028

**Date of Issue** 

: 13 July 2022

Page No.

: 2 of 2

Target ( pH unit )	Display Reading (pH unit)	Tolerance	Result
4.00	3.97	-0.03	Satisfactory
7.42	7.49	0.07	Satisfactory
10.01	10.07	0.06	Satisfactory

Tolerance of pH value should be less than  $\pm 0.2$  (pH unit)

#### (4) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.72	-2.80	Satisfactory
20	20.35	1.75	Satisfactory
30	31.26	4.20	Satisfactory

Tolerance of Salinity should be less than  $\pm 10.0$  (%)

#### (5) Temperature

Reading of Ref. thermometer ( °C )	Display Reading (°C)	Tolerance	Result
16.0	15.8	-0.2	Satisfactory
26.0	25.7	-0.3	Satisfactory
32.1	32.0	-0.1	Satisfactory

Tolerance of Temperature should be less than  $\pm 2.0$  (°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.
- ·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 ---



Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong Email: info@qualityprotest.com; Website: www.qualityprotest.com Tel: (852) 3956 8717; Fax: (852) 3956 3928

## REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No.

: R-BB080029

**Date of Issue** 

: 05 August 2022

Page No.

: 1 of 2

#### **PART A - CUSTOMER INFORMATION**

Acuity Sustainability Consulting Limited

Unit E, 12/F, Ford Glory Plaza 37-39 Wing Hong Street, Cheung Sha Wan

Kowloon (HK) Hong Kong

#### **PART B - SAMPLE INFORMATION**

Name of Equipment:

HORIBA U-53

Manufacturer:

HORIBA

Serial Number:

**PPHNOMXY** 

Date of Received:

02 August 2022 04 August 2022

Date of Calibration : Date of Next Calibration :

03 November 2022

Request No.:

D-BB080029

#### PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

**Test Parameter** 

Reference Method

pH value

APHA 21e 4500 H+

Temperature

Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March

2008: Working Thermometer Calibration Procedure

Salinity

APHA 21e 2520B

Dissolved oxygen

APHA 21e 4500 O

Turbidity

APHA 21e 2130B

#### PART D - CALIBRATION RESULT

#### (1) pH value

Target ( pH unit )	Display Reading (pH unit)	Tolerance	Result
4.00	3.99	-0.01	Satisfactory
7.42	7.27	-0.15	Satisfactory
10.01	9.84	-0.17	Satisfactory

Tolerance of pH value should be less than  $\pm$  0.2 ( pH unit )

#### (2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
18.0	18.3	0.3	Satisfactory
27.0	26.8	-0.2	Satisfactory
32.0	31.9	-0.1	Satisfactory

Tolerance of Temperature should be less than  $\pm 2.0$  ( °C )

#### (3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance ( % )	Result
10	10.60	6.00	Satisfactory
20	21.97	9.85	Satisfactory
30	32.96	9.87	Satisfactory

Tolerance of Salinity should be less than  $\pm$  10.0 (%)

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

Assistant Manager (Chemical Testing)



Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong Email: info@qualityprotest.com; Website: www.qualityprotest.com Tel: (852) 3956 8717; Fax: (852) 3956 3928

## REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No.

: R-BB080029

**Date of Issue** 

: 05 August 2022

Page No.

: 2 of 2

#### (4) Dissolved oxygen

Expected Reading ( mg/L )	Display Reading ( mg/L )	Tolerance	Result
7.76	7.69	-0.07	Satisfactory
5.19	5.06	-0.13	Satisfactory
2.88	2.49	-0.39	Satisfactory
0.07	0.21	0.14	Satisfactory

Tolerance of Dissolved oxygen should be less than  $\pm$  0.5 ( mg/L )

#### (5) Turbidity

<b>Expected Reading (NTU)</b>	Display Reading (NTU)	Tolerance (%)	Result
0	0.00		Satisfactory
10	9.87	-1.30	Satisfactory
20	19.9	-0.50	Satisfactory
100	101	1.00	Satisfactory
800	805	0.60	Satisfactory

Tolerance of Turbidity should be less than  $\pm$  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 ---

# Calibration Certificate

**Customer Name** 

PROMAT (HK) LTD

**Customer Details** 

SAN PO KONG KOWLOON HONG KONG

**Order Number** 

21000418

Acknowledgement Number 165921

Instrument

PS500

Serial number

254928

**Test Date** 

29 September 2021

This instrument has been manufactured in accordance with our ISO9001 approved procedures and conforms to the quality and manufacturing standards laid down in our process. This instrument has been calibrated using gases that are traceable to national standards.

#### **CALIBRATION RESULTS**

Gas Applied	Conc.	Range	After Cal
CO2	3.00 % CO2	8	3.00 %
Methane	50 % LEL	LEL	50 %
02	Air	% VOL	20.9 %
H2S	50 PPM H2S	PPM	50 PPM
co	500 PPM CO	PPM	499 PPM

Calibrated on behalf of GMI Ltd by:





# Appendix O

Exceedance Report (s)

### **Incident Report on Action Level or Limit Level Non-Compliance**

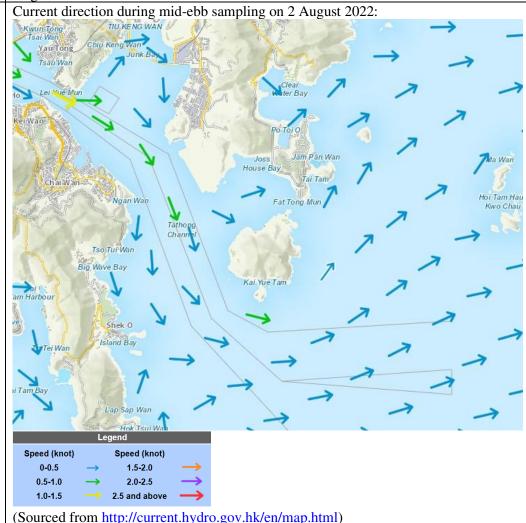
Project	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant				
Date	2 August 2022 (Lab result received on 9 August 2022)				
Time	08:00-10:00 (Mid-Flood) and 13:22-16:52 (Mid-Ebb)				
	Mid-Ebb				
Monitoring Location	WSR37  HONG KONG ISLAND  Rig Wave Ray	Clear Water Bay WSR33 WSR36 WSR3 Tung Lung Chau	Key  Water Quality Monitoring Station  Elementaried title for Decalitation Plant  Family darks to Called and Standards Portal  Indigenate Variable  For Location of Standards Portals		
		0	Glometres Indicative Location of Seawater Intake Indicative Location of Submarine Outfal		
Parameter	Suspended Solid (SS)				
Action & Limit Levels	Action Level	Limit Level			
	> 5.0 mg/L	> 6.0 mg/L	_		
Measurement Level	Impact Station(s) of	Control Stations	Impact Station(s) without		
	Exceedance	4.0 # (CF)	Exceedance		
	6.5 mg/L (WSR37)	4.0 mg/L (CE) 3.8 mg/L (CF)	3.3 mg/L (WSR1) 3.2 mg/L (WSR2)		
		3.8 Hig/L (C1)	3.4 mg/L (WSR3)		
			2.7 mg/L (WSR4)		
			3.0 mg/L (WSR16)		
			3.4 mg/L (WSR33)		
			3.8 mg/L (WSR36)		
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: marine operation inside the outfall ca	e construction activities, na	mely 1) dewatering pump		
		construction activities, namel by grab inside the Intake Shaf	-		
		les with contact with water by grab inside the Intake Shaf			
	Marine vessels on 2 August 2	2022:			
	<ul> <li>Derrick barge x 1 (Intake Shaft)</li> <li>N/A (Outfall Shaft)</li> </ul>				
	_	tion was found to be from Nor Chau, and from Southwest t			

According to the information provided by the Contactor, marine construction activity was conducted at Intake Shaft (WSR36) on 2 August 2022. SS exceedance was observed at WSR37 (6.5 mg/L), no SS exceedance was observed at WSR36 (3.8 mg/L). Moreover, trail of algal overgrowth was observed around outfall shaft by the Contractor on 2 August 2022. In conclusion, the SS exceedance at WSR37 may be resulted from natural factors.

According to the field observation by sampling team during sampling event, no silt plume was observed at the Contract site on 2 August 2022.

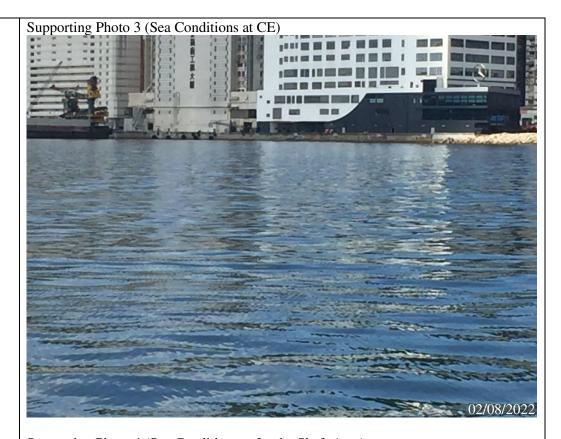
Conditions of the protective silt curtain at the inland water outfall was satisfactory on 2 August 2022.



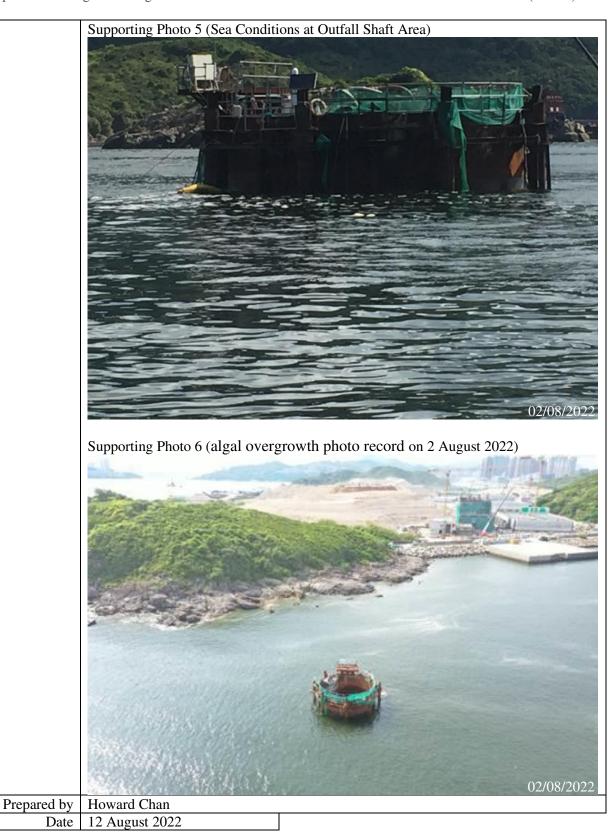










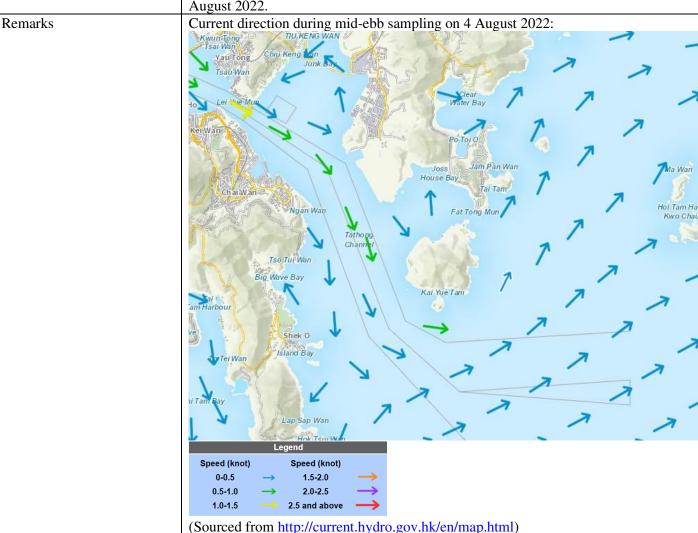


Project	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant				
Date	4 August 2022 (Lab result received on 11 August 2022)				
Time	14:45-18:15 (Mid-Flood) and 08:15-11:45 (Mid-Ebb)				
	Mid-Ebb				
Monitoring Location	WSR1, WSR2, WSR4  HONG KONG ISLAND  RIE WEIVE ROY	Clear Water Bay WSR33 WSR35	g		
			0 1 2 prolicitive Location of Submarine Custal		
Parameter	Suspended Solid (SS)	1	· .		
Action & Limit Levels	Action Level		Level		
Measurement Level	> 11.0 mg/L Impact Station(s) of Exceedance 13.0 mg/L (WSR1) 13.0 mg/L (WSR2) 11.2 mg/L (WSR4)	9.2 mg/L (CE) 9.2 mg/L (CF)	Impact Station(s) without Exceedance 7.2 mg/L (WSR3) 7.7 mg/L (WSR16) 7.2 mg/L (WSR33) 5.8 mg/L (WSR36) 6.5 mg/L (WSR37)		
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: marine construction activities, namely 1) dewatering pump operation inside the outfall caisson  Intake Shaft Area: marine construction activities, namely 1) Derrick barge for the formation level touching up by grab inside the Intake Shaft  Marine construction activities with contact with water: 1) Derrick barge for the formation level touching up by grab inside the Intake Shaft  Marine vessels on 4 August 2022:  • Derrick barge x 1 (Intake Shaft)  • N/A (Outfall Shaft)  Dominating sea current direction was found to be from Northwest to Southeast at waters to the west side of Tit Cham Chau, and from South to North at waters to the east side of Tit Cham Chau.				

Stations WSR1, WSR2 and WSR4 were located distant from the construction site and the possibility of being affected by marine construction activity was considered limited. SS exceedances were however observed at WSR1 (13.0 mg/L), WSR2 (13.0 mg/L), WSR4 (11.2 mg/L). According to the information provided by the Contactor, marine construction activity was conducted at Intake Shaft (WSR36) on 4 August 2022. No SS exceedance was observed at WSR36 (5.8 mg/L). Hence, the SS exceedances at WSR1, WSR2, WSR4 may be resulted from natural factors.

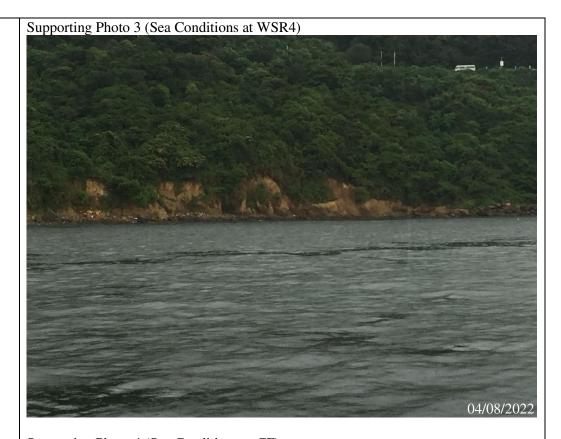
According to the field observation by sampling team during sampling event, no silt plume was observed at the Contract site on 4 August 2022.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 4 August 2022.



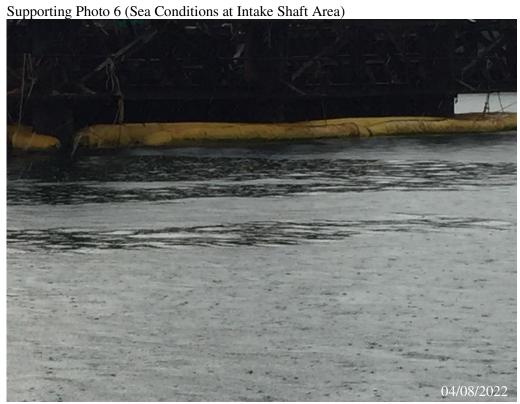


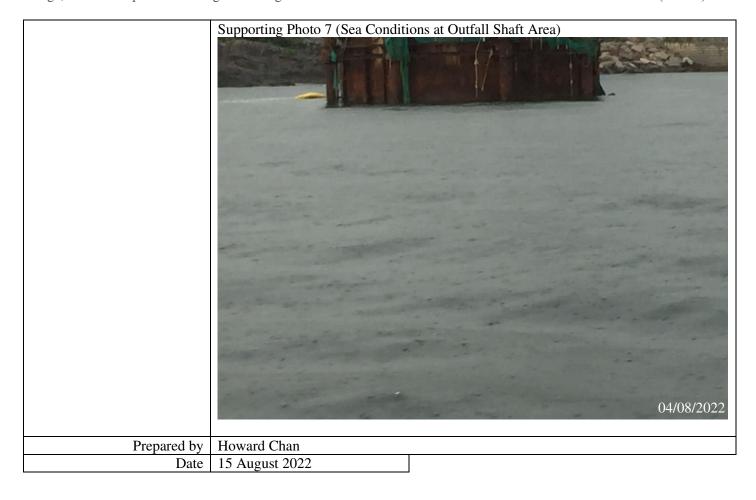












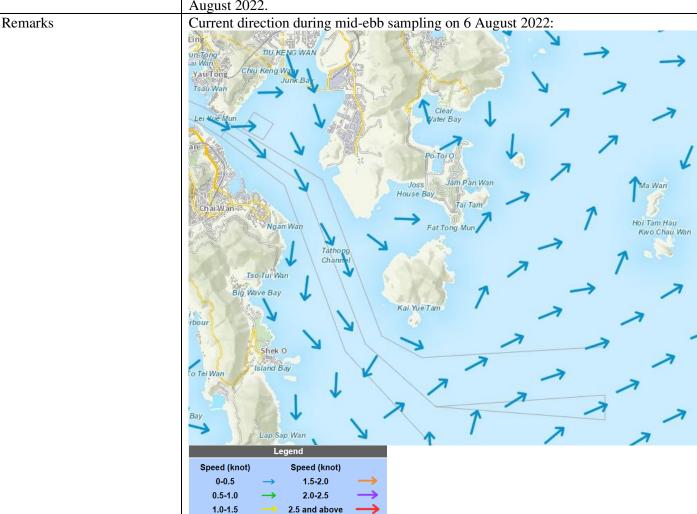
Project	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant			
Date	6 August 2022 (Lab result received on 12 August 2022)			
Time	11:21-14:51 (Mid-Flood) and 08:00-09:15 (Mid-Ebb)			
	Mid-Ebb			
Monitoring Location	WSR2, WSR3, WSR4, WSR16			
	CE WSR18		(No.	
	WSR33			
	HONG KONG ISLAND	WSR36 WSR4		
		WERS WERS		
	Tai Tam	Tung Lung Chau	}	
	Big Wire Ray	week war		
	And the second	The state of the s		
		<b>Č</b> F	Key   Weier Quality Mostering Station	
Parameter	Suspended Solid (SS)			
Action & Limit Levels	Action Level	Limit Level		
	> 6.2 mg/L	> 6.7 mg/L		
Measurement Level	Impact Station(s) of	Control Stations	Impact Station(s) without	
	Exceedance		Exceedance	
	6.6 mg/L (WSR2)	5.2 mg/L (CE)	3.2 mg/L (WSR1)	
	11.7 mg/L (WSR3)	3.9 mg/L (CF)	2.8 mg/L (WSR33)	
	11.8 mg/L (WSR4)		2.7 mg/L (WSR36)	
	8.6 mg/L (WSR16)		2.6 mg/L (WSR37)	
Possible reason for Action or	Outfall Shaft Area: marine	construction activities n	amely 1) dewatering pump	
Limit Level Non-compliance			amery 1, seminaring pump	
	Intake Shaft Area: marine of formation level touching up b			
	Marine construction activities with contact with water: 1) Derrick barge for the formation level touching up by grab inside the Intake Shaft			
	Marine vessels on 6 August 2022:			
	<ul> <li>Derrick barge x 1 (Intake Shaft)</li> <li>N/A (Outfall Shaft)</li> <li>Dominating sea current direction was found to be from Northwest to Southeast at waters to the west side of Tit Cham Chau, and from West to East at waters to the east side of Tit Cham Chau.</li> </ul>			

Stations WSR2, WSR3, WSR4 and WSR16 were located distant from the construction site and the possibility of being affected by marine construction activity was considered limited. SS exceedances were however observed at WSR2 (6.6 mg/L), WSR3 (11.7 mg/L), WSR4 (11.8 mg/L) and WSR16 (8.6 mg/L).

According to the information provided by the Contactor, marine construction activity was conducted at Intake Shaft (WSR36) on 6 August 2022. No SS exceedance was observed at WSR36 (2.7 mg/L). Hence, the SS exceedances at WSR2, WSR3, WSR4 and WSR16 may be resulted from natural factors.

According to the field observation by sampling team during sampling event, no silt plume was observed at the Contract site on 6 August 2022.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 6 August 2022.



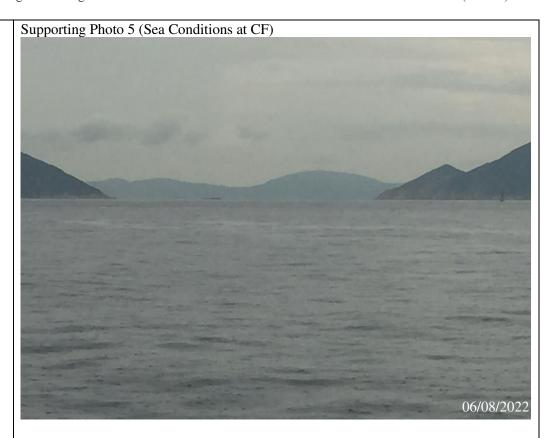
(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a>)





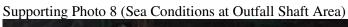








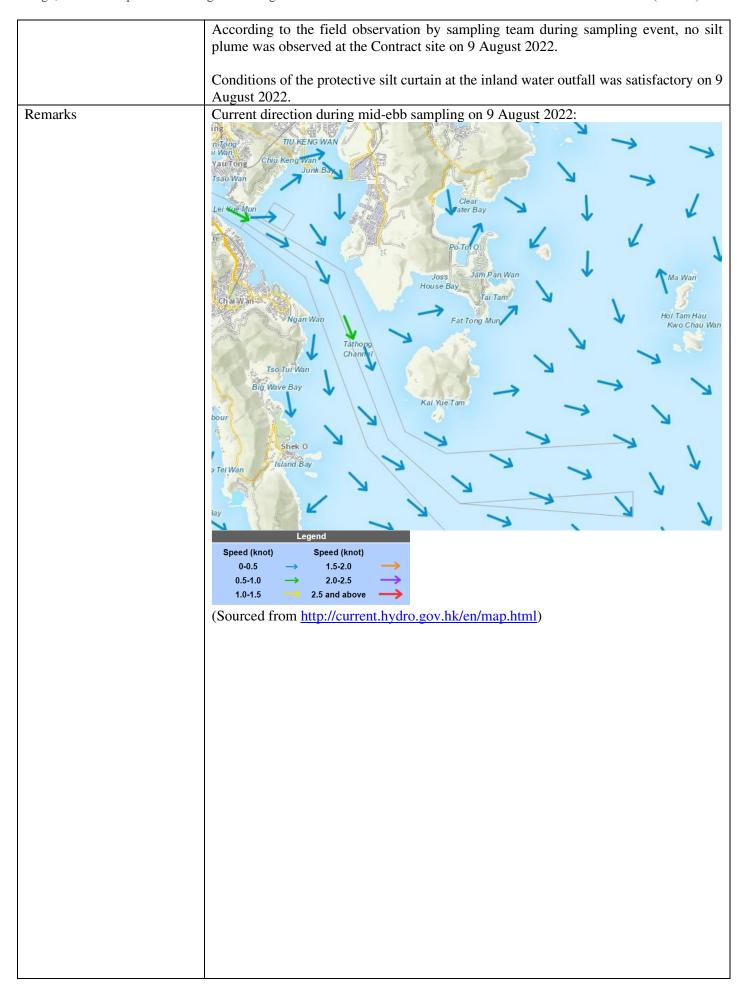






Prepared by Howard Chan

Project	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant			
Date	9 August 2022 (Lab result received on 16 August 2022)			
Time	15:45-19:00 (Mid-Flood) (Cancelled) and 08:00-11:30 (Mid-Ebb)			
	Mid-Ebb			
Monitoring Location	Mid-F WSR2, WSR36  HONG KONG ISLAND  Big Wave Bay	Clear Water Bay  WSR37  WSR4  WSR4  Tung Lung Chau		
Parameter	Suspended Solid (SS)	<b>₫</b>	Key  Weser Quality Monitoring Station  Examinated little for Desablantion Plant  Staty area for large entragetor works  Inclusive Location of Seventer Insta  Inclusive Location of Seventer Insta  Inclusive Location of Seventer Cutted	
Action & Limit Levels	Action Level	Limit Level		
	> 5.0 mg/L	> 6.0 mg/L		
Measurement Level	Impact Station(s) of Exceedance 5.5 mg/L (WSR2) 5.2 mg/L (WSR36)	Control Stations  2.8 mg/L (CE) 3.7 mg/L (CF)	Impact Station(s) without Exceedance 4.5 mg/L (WSR1) 4.0 mg/L (WSR3) 3.5 mg/L (WSR4) 4.3 mg/L (WSR16) 4.1 mg/L (WSR33) 4.0 mg/L (WSR37)	
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: marine construction activities, namely 1) dewatering pump operation inside the outfall caisson			
	Marine construction activitie  Marine vessels on 9 August 2  N/A (Intake Shaft)  N/A (Outfall Shaft)  Dominating sea current direct to the west side of Tit Cham Tit Cham Chau.  According to the information was conducted on 9 August	es with contact with water: 1) is with contact with water: 1) is with contact with water: 1) is 2022:  tion was found to be from Nor Chau, and from West to East provided by the Contactor, no 2022, due to typhoon signal ances at WSR2 and WSR36 researches.	thwest to Southeast at waters t at waters to the east side of marine construction activity 1 & 3 hoisted on 9 August	









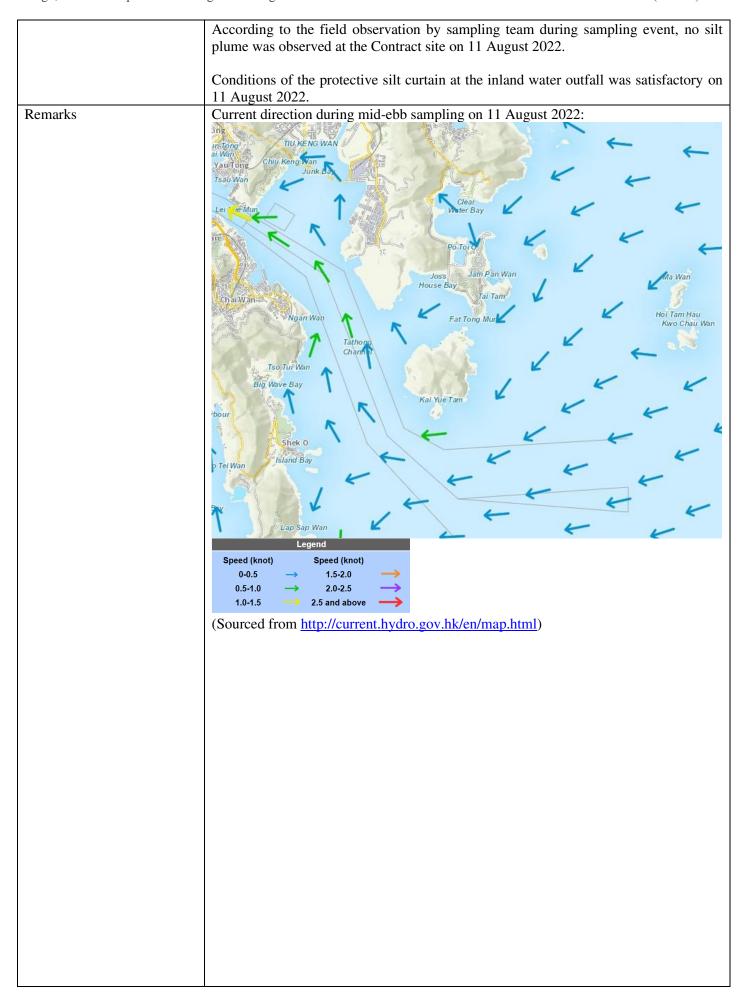




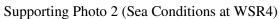


	Tropical Cyclone	Tropical Cyclone Warning Signals						
	Searching period : [202208 Signal number : [1.or.higher Total number of records : [3	r]						
		Start Time End Time				End Time	Duration	
	intensity	Intensity Name	Name Signal	hh mm	dd/mon/yyyy	hh mm	dd/mon/yyyy	hh mm
	Tropical Depression	no name	1	22:10	03/Aug/2022	14:40	04/Aug/2022	16 30
	Tropical Storm	MULAN	1	03:40	09/Aug/2022	11:25	09/Aug/2022	07 45
	Tropical Storm	MULAN	3	11:25	09/Aug/2022	18:20	10/Aug/2022	30 55
	(https://www.hko.gov 08&submit=%E6%90			ndb/warnd	b1.shtml?opt=1&	sgnl=91&s	tart_ym=202208 <i>&amp;</i>	&end_ym=2
Prepared by	Howard Chan							
Date	23 August 2022			•			•	

Project	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant				
Date	11 August 2022 (Lab result received on 16 August 2022)				
Time	15:43-19:00 (Mid-Flood) and 09:47-13:17 (Mid-Ebb)				
	Mid-Flood				
Monitoring Location	WSR3, WSR4, WSR36  HONG KONG ISLAND  Big Wave Bay	WSR37 WSP	Clear Water Bay WSR33 Tung Lung Chau	Key  Water Quality Monitoring Station  Earmanuted State for Desaghation Plant  Study area for skipe miligation works  Includent Location Research Peaks	
			o Ki	1 2 Indicative Location of Submarine Outfall	
Parameter	Suspended Solid (SS)				
Action & Limit Levels	Action Level		Limit Level		
	> 6.4 mg/L		> 6.9 mg/L		
Measurement Level	Impact Station(s) of Exceedance 6.8 mg/L (WSR3) 6.7 mg/L (WSR4) 7.3 mg/L (WSR36)	Control Station 4.1 mg/L (CF 5.3 mg/L (CF	Ξ)	Impact Station(s) without Exceedance 6.2 mg/L (WSR1) 6.2 mg/L (WSR2) 6.0 mg/L (WSR16) 6.2 mg/L (WSR33) 6.2 mg/L (WSR37)	
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: marine construction activities, namely 1) dewatering pump operation inside the outfall caisson  Intake Shaft Area: marine construction activities, namely 1) N/A  Marine construction activities with contact with water: 1) N/A  Marine vessels on 11 August 2022:  N/A (Intake Shaft)  N/A (Outfall Shaft)  Dominating sea current direction was found to be from Southeast to Northwest at waters to the west side of Tit Cham Chau, and from Northeast to Southwest at waters to the east side of Tit Cham Chau.  According to the information provided by the Contactor, no marine construction activity was conducted on 11 August 2022, Hence, the SS exceedances at WSR3, WSR4 and WSR36 may be resulted from natural factors.				







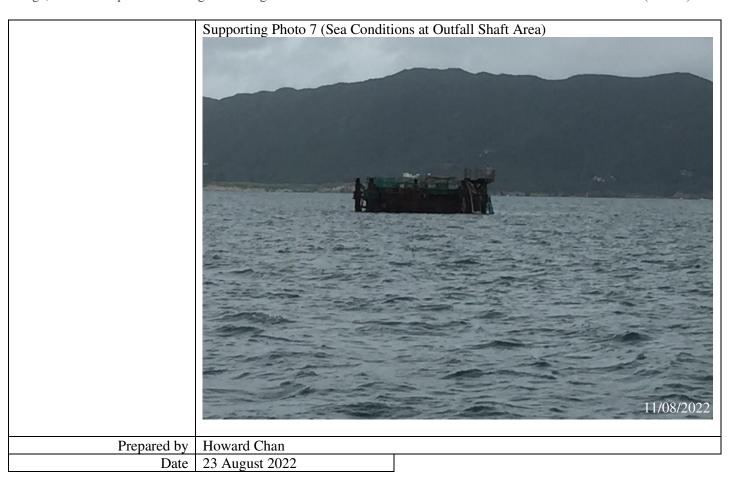










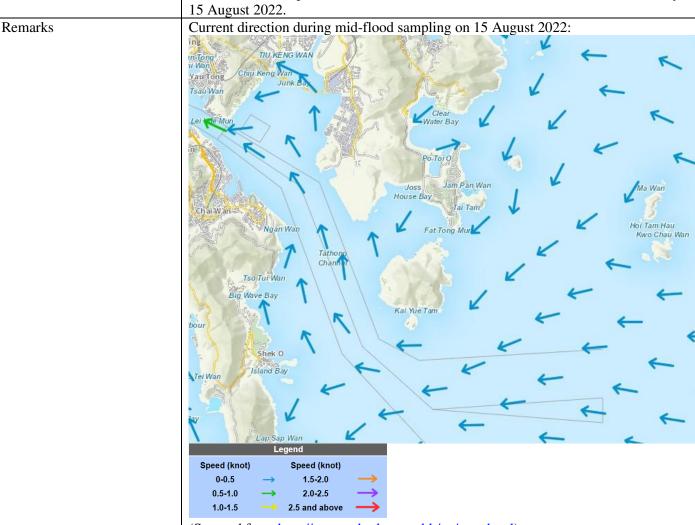


Project	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant				
Date	15 August 2022 (Lab result received on 23 August 2022)				
Time	08:00-11:10 (Mid-Flood) and 12:53-16:23 (Mid-Ebb)				
	Mid-Flood				
Monitoring Location	WSR3, WSR4  HONG KONG ISLAND  Rig Wave hay	Clear Water Bay WSR33 WSR37 WSR36 WSR4 Tung Lung Chau CF	Key  Wase Quality Montioning Station  Flat  Station was for significant voices  Indicate Location of Statemente Unitals  To indicate Location of Statemente Unitals		
Parameter	Suspended Solid (SS)				
Action & Limit Levels	Action Level	Limit Level			
Action & Limit Levels	> 5.0 mg/L	> 6.0 mg/L			
Measurement Level	Impact Station(s) of Exceedance 6.5 mg/L (WSR3) 7.1 mg/L (WSR4)	Control Stations  2.6 mg/L (CE) 2.6 mg/L (CF)	Impact Station(s) without Exceedance  2.5 mg/L (WSR1) 3.8 mg/L (WSR2) 2.8 mg/L (WSR16) 3.2 mg/L (WSR33) 2.7 mg/L (WSR36) 2.5 mg/L (WSR37)		
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: marine construction activities, namely 1) dewatering pump operation inside the outfall caisson  Intake Shaft Area: marine construction activities, namely: 1) Derrick barge for the formation level touching up by grab inside the Intake Shaft on the day  Marine construction activities with contact with water: 1) Derrick barge for the formation level touching up by grab inside the Intake Shaft on the day  Marine vessels on 15 August 2022:  Derrick barge x1 (Intake Shaft)  N/A (Outfall Shaft)  Dominating sea current direction was found to be from Southeast to Northwest at waters to the west side of Tit Cham Chau, and from Northeast to Southwest at waters to the east side of Tit Cham Chau.				

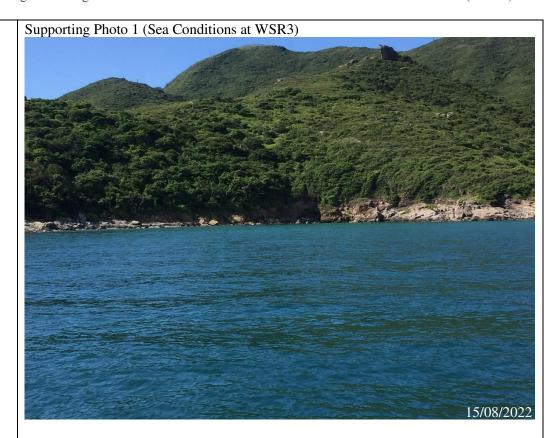
Stations WSR3 and WSR4 were located distant from the construction site and the possibility of being affected by marine construction activities were considered limited. SS exceedances were however observed at WSR3 (6.5 mg/L) and WSR4 (7.1 mg/L). According to the information provided by the Contactor, marine construction activity with contact with water was conducted at Intake Shaft (WSR36) on 15 August 2022. However, no SS exceedance was observed at WSR36 (2.7 mg/L). Hence, the SS exceedances at WSR3 and WSR4 may be resulted from natural factors.

According to the field observation by sampling team during sampling event, no silt plume was observed at the Contract site on 15 August 2022.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 15 August 2022.



(Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a>)

















Prepared by Howard Chan

Date 13 September 2022

Project	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant			
Date	30 August 2022 (Lab result received on 6 September 2022)			
Time	08:00-10:46 (Mid-Flood) and 12:27-15:57 (Mid-Ebb)			
	Mid-Flood			
Monitoring Location	WSR1, WSR3, WSR4  HONG KONG ISLAND  Big Were Bay	Clear Water Bay  WSR37  WSR36  WSR4  Tung Lung Chau		
Parameter	Suspended Solid (SS)	<b>∂</b> ⊧	Key  Water Quality Monitoring Station  Water Station Flex  Station and the fire Desalfutation Flext  Station and the station enligation works  Facilitative Location of Stationarine Qualitative  Indicative Locative Locative Locative Locative  Indicative Locative Locative Locative Lo	
Action & Limit Levels	Suspended Solid (SS) Action Level	Limit Level		
Action & Limit Levels	> 5.0 mg/L	> 6.0 mg/L		
Measurement Level	Impact Station(s) of	Control Stations	Impact Station(s) without	
Weasurement Level	Exceedance	Control Stations	Exceedance	
	5.2 mg/L (WSR1)	3.3 mg/L (CE)	3.8 mg/L (WSR2)	
	5.7 mg/L (WSR3)	3.8 mg/L (CF)	4.7 mg/L (WSR16)	
	6.7 mg/L (WSR4)		3.7 mg/L (WSR33)	
			4.3 mg/L (WSR36)	
			4.1 mg/L (WSR37)	
		1		
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: marine construction activities, namely 1) Derrick barge moored aside the Outfall Shaft to support the repairing of dewatering pumps			
	Intake Shaft Area: marine con	nstruction activities, namely:	1) N/A	
	Marine construction activities with contact with water: 1) N/A			
	Marine vessels on 30 August	2022:		
	<ul> <li>N/A (Intake Shaft)</li> <li>Derrick barge x1 (Outfall Shaft)</li> <li>Dominating sea current direction was found to be from Southeast to Northwest at waters to the west side of Tit Cham Chau, and from Northeast to Southwest at waters to the east side of Tit Cham Chau.</li> <li>Stations WSR1, WSR3 and WSR4 were located distant from the construction site and</li> </ul>			
	the possibility of being affected by marine construction activities were considered limited. SS exceedances were however observed at WSR1 (5.2mg/L), WSR3 (5.7 mg/L) and WSR4 (6.7 mg/L). According to the information provided by the Contactor, no marine construction activity with contact with water was conducted at Intake Shaft			

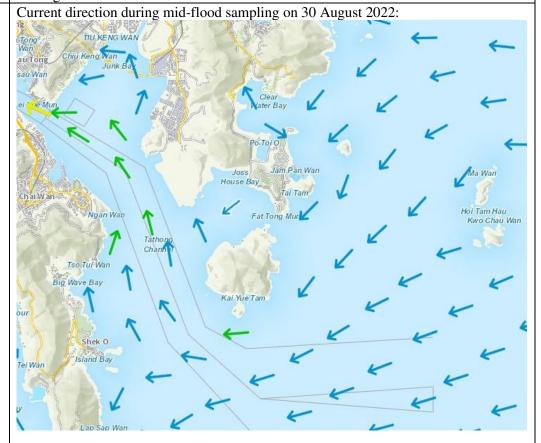
	(WSR36) and Outfall Shaft (WSR37) on 30 August 2022. No SS exceedances was recorded at WSR36 (4.3 mg/L) and WSR37 (4.1 mg/L). Hence, the SS exceedances at WSR1, WSR3 and WSR4 may be resulted from natural factors.  According to the field observation by sampling team during sampling event, no silt plume was observed at the Contract site on 30 August 2022.			
	Conditions of the protective silt curtain at the inland water outfall was satisfactory on 30 August 2022.			
	Mid-e	ehh		
Monitoring Location	WSR2, WSR3, WSR4			
	HONG KONG ISLAND	Clear Water Bay WSR33 WSR35 WSR36 WSR36 WSR36 WSR36 WSR36 WSR37 NF1 NF2 NF3		
	Big Wave Bay	Tung Lung Chau	Key  West Quality Monitoring Station  Examanused Size for Desalitation Plant  Z Situry area for indige mitigation works	
		0	Kilometres  1 2 Indicative Location of Submarine Outfal	
Parameter	Suspended Solid (SS)			
Action & Limit Levels	Action Level	Limit Level		
	> 5.0 mg/L	> 6.0 mg/L		
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance	
	5.5 mg/L (WSR2) 6.8 mg/L (WSR3) 5.2 mg/L (WSR4)	2.5 mg/L (CE) 2.6 mg/L (CF)	2.8 mg/L (WSR1) 3.4 mg/L (WSR16) 3.5 mg/L (WSR33) 4.3 mg/L (WSR36) 4.8 mg/L (WSR37)	
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: marine construction activities, namely 1) Derrick barge moored aside the Outfall Shaft to support the repairing of dewatering pumps			
	Intake Shaft Area: marine construction activities, namely: 1) N/A			
	Marine construction activities with contact with water: 1) N/A			
	<ul> <li>Marine vessels on 30 August 2022:</li> <li>N/A (Intake Shaft)</li> <li>Derrick barge x1 (Outfall Shaft)</li> </ul> Dominating sea current direction was found to be from Northwest to southeast at waters to the west side of Tit Cham Chau and from Southwest to Northeast at waters to the east side of Tit Cham Chau.			

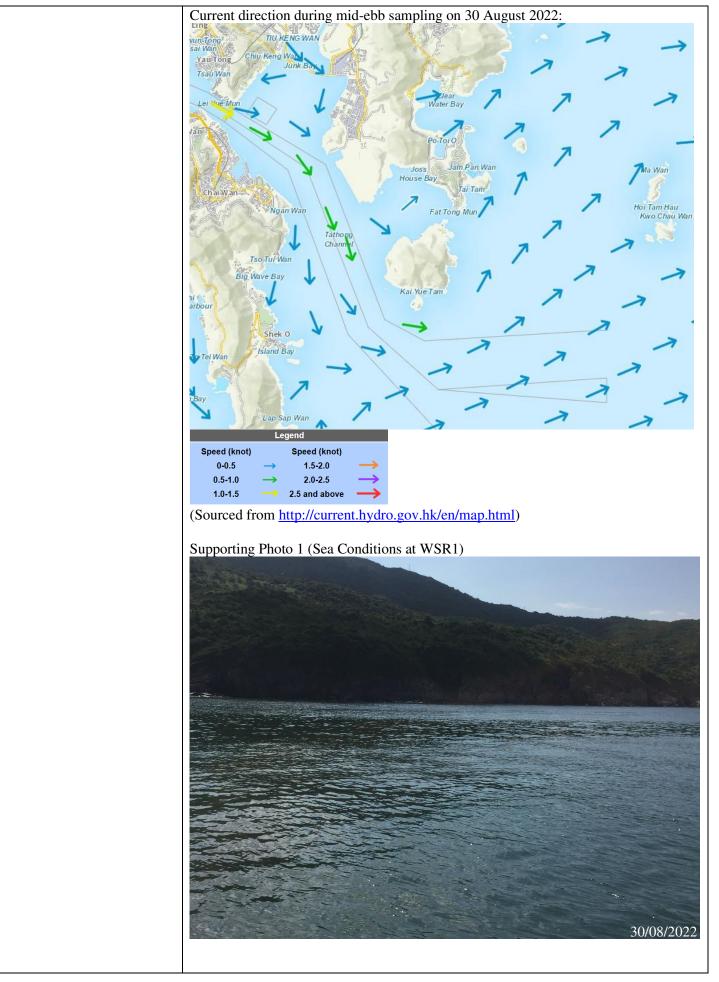
Stations WSR2, WSR3 and WSR4 were located distant from the construction site and the possibility of being affected by marine construction activities were considered limited. SS exceedances were however observed at WSR2 (5.5mg/L), WSR3 (6.8 mg/L) and WSR4 (5.2 mg/L). According to the information provided by the Contactor, no marine construction activity with contact with water was conducted at Intake Shaft (WSR36) and Outfall Shaft (WSR37) on 30 August 2022. No SS exceedances was recorded at WSR36 (4.3 mg/L) and WSR37 (4.8 mg/L). Hence, the SS exceedances at WSR2, WSR3 and WSR4 may be resulted from natural factors.

According to the field observation by sampling team during sampling event, no silt plume was observed at the Contract site on 30 August 2022.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 30 August 2022.

Remarks





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