

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: HKWSD202/50/107601
Date: 20 October 2021

Attention: Mr W K Lau

BY EMAIL & POST (email: simon_wk_lau@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.18 (August 2021)

We refer to emails of 14 September and 20 October 2021 attaching Monthly EM&A Report No.18 (August 2021) for the captioned project prepared by the ET.

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







Website: www.acuityhk.com Unit C, 11/F, Ford Glory Plaza, Nos. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon.

Tel. : (852) 2698 6833 Fax.: (852) 2698 9383



Contract No. 13/WSD/17

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

Monthly EM&A Report No.18 (Period from 1 August to 31 August 2021)

		Docum	ent No.			
ASCL	/	200168078	/	MEMAR18	/	А
Publisher		Project Code		Sequential No.		Revision Index
						muex

	Prepared by:	Reviewed by:	Certified by:
Name	Charlene LAI	Nelson TSUI	Jacky LEUNG
Position	Environmental Team	Environmental Team	Environmental Team
FOSICIOII	Member	Member	Leader
Signature	du	That	AT
Date:	14/09/2021	14/09/2021	14/09/2021



REVISION HISTORY

Rev.	DESCRIPTION OF MODIFICATION	DATE
А	First Issue for Comments	14 September 2021



Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Monthly EM&A Report No.18

CONTENTS

Exe	cutive Summary1
1.	Basic Project Information
2.	Noise10
3.	Water Quality15
4.	Waste
5.	Landfill Gas Monitoring
6.	Summary of Monitoring Exceedance, Complaints, Notification of Summons and Prosecutions.33
	EM&A Site Inspection35
8.	Future Key Issues
9.	Conclusions and Recommendations

Appendix A	Master Programme
Appendix B	Overview of Desalination Plant in Tseung Kwan O
Appendix C	Summary of Implementation Status of Environmental Mitigation
Appendix D	Impact Monitoring Schedule of the Reporting Month
Appendix E	Event/Action Plan for Noise Exceedance
Appendix F	Noise Monitoring Equipment Calibration Certificate (Blank)
Appendix G	Event/Action Plan for Water Quality Exceedance
Appendix H	Waste Flow Table
Appendix I	Site Inspection Proforma
Appendix J	Complaint Log
Appendix K	Impact Monitoring Schedule of Next Reporting Month
Appendix L	Water Quality and Landfill Gas Monitoring Data
Appendix M	HOKLAS Laboratory Certificate
Appendix N	Water Quality and Landfill Gas Equipment Calibration Certificate
Appendix 0	Exceedance Report(s)



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 Project.
- A2. In accordance with the Environmental Monitoring and Audit (EM&A) Manual for the Project, 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 Project.
- A3. This is the 18th Monthly EM&A Report, prepared by ASCL, for the Project summarizing the monitoring results and audit findings of the EM&A programme at and around Tseung Kwan 0 Area 137 (TKO 137) during the reporting period from 1 August 2021 to 31 August 2021.
- 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 Project included the followings:

- Land Survey;
- Construction of ActiDAFF perimeter wall and water tank;
- Construction of Reverse Osmosis (RO) Building column and wall from Basement to Roof, beams and slabs for Roof Floor; water tank; Electrical Building 2nd floor slab, columns and wall;
- Construction of Product Water Storage Tank (PWST) perimeter wall and Electrical Building's 1/F slab;
- Construction of manhole no. 10 adjacent to PWST;
- Construction of Post Treatment Building footing;
- Construction of ground floor slab of Administration Building;
- Construction of reinforced concrete (R.C) footing of Inspection Corridor;
- Construction of Main Electrical and Central Chiller Plant Building (1/F to 2/F);
- Marine Dredging and 12m steel caisson erection at Outfall Shaft;
- Positioning of steel caisson to the shaft position at Outfall Shaft;
- Welding works on a derrick barge at Outfall Shaft;
- Seabed levelling works at Outfall Shaft;
- Laying of geotextile sheeting inside the bottom of steel caisson by divers at Outfall Shaft;

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.



- Rock filling inside the steel caisson at Outfall Shaft;
- Drill rig setting up work on caisson platform at Outfall Shaft;
- 610mm diameter socketed H-piles installation at Outfall Shaft;
- 610mm diameter driven piles and Excavation & Lateral Support (ELS) erection at Intake Shaft;
- Modification of temporary working platform and welding works at Intake Shaft;
- Demobilization of piling rig and 5.5T lifting crane at Intake Shaft;
- Jacking pipe launching equipment setup at Combined Shaft and commencement of pipe jacking;
- Cable drawpit construction;
- Excavation and laying yard piping;
- Construction of base slab of Chemical Building;
- Wan Po Road Sewage Works Temporary Traffic Arrangement (TTA), excavation and laying High-Density Polyethylene (HDPE) pipe
- Construction of On-Site Chlorine Generation (OSCG) Building footing

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

- Construction dust and noise generation from marine construction works, excavation works, ELS installation works, breaking of concrete surface and construction works; pipe driving works
- Waste generation from the construction activities
- Impact on water quality from marine construction works and inland construction works

A7. The key environmental mitigation measures implemented for the Project 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
- 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 areas before discharge



SUMMARY OF EXCEEDANCE & INVESTIGATION & FOLLOW-UP

- A8. No noise monitoring was conducted during the reporting period since there are no projectrelated construction activities undertaken within a radius of 300m from the monitoring locations. No project-related 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. Seventy (70) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Fifty-two (52) of the general water quality monitoring results of SS obtained during the reporting period had exceeded the Limit Level.
 - A11. Details of the exceedance are presented in **Appendix 0**.
 - A12.Investigation on the reason of exceedance has been carried out, where the exceedance of SS on 03/08, 05/08, 07/08, 10/08, 12/08, 14/08, 17/08, 19/08, 21/08, 24/08, 26/08 and 28/08 was concluded to be unrelated to the project as detailed in the Incident Reports on Action Level or Limit Level Non-compliance along with supporting materials in **Appendix 0**
 - A13. It was concluded that all exceedances recorded in August were unrelated to the project.
 - A14.Joint site inspections of the construction work by ET and IEC were carried out on 3, 10, 17, 24 and 31 August 2021 to audit the mitigation measures implementation status. Observations 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

- A15.No project-related environmental complaint was received during the reporting period.
- A16.Neither notifications of summons nor prosecution was received for the Project.

Reporting Change

A17. 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

A18.Key activities anticipated in the next reporting period for the Project will include the followings:

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.



- Land Survey;
- Construction of ActiDAFF perimeter wall and water tank;
- Construction of Reverse Osmosis (RO) Building column and wall from Basement to Roof; beams and slabs for Roof Floor; water tank; Electrical building roof floor slab, columns and wall;
- Construction of Product Water Storage Tank (PWST) perimeter wall and Electrical Building's 1/F slab;
- Construction of manhole no. 10 adjacent to PWST;
- Construction of Post Treatment Building footing;
- Construction of ground floor slab of Administration Building;
- Construction of reinforced concrete (RC) footing of Inspection Corridor.;
- Internal finishing work in Central Chiller Plant Building;
- 610mm diameter socketed H-piles installation and rockfill removal at Outfall Shaft;
- Excavation & Lateral Support (ELS) erection set-up and commencement of marine dredging at Intake Shaft;
- Jacking pipe launching equipment setup at Combined Shaft and commencement of pipe jacking works;
- Cable drawpit construction;
- Glass Reinforced Plastic (GRP) pipe lamination;
- Construction of structural wall of Chemical Building;
- Wan Po Road Sewage Works Temporary Traffic Arrangement (TTA), excavation and laying High-Density Polyethylene (HDPE pipe);
- Construction of On-Site Chlorine Generation (OSCG) Building footing
- Excavation and lateral support (ELS) at Pump house

A19.The major environmental impacts brought by the above construction works will include:

- Construction dust and noise generation from construction and ELS works, pipe driven works and marine construction works
- Waste generation from construction activities
- Impact on water quality from marine construction works and inland construction works

A20. 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
- 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 areas before discharge

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.



1. BASIC PROJECT INFORMATION

1.1. BACKGROUND

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 Project).

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 Project; 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.

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 Project.

1.2. THE REPORTING SCOPE

This is the 18th 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 2021.

1.3. PROJECT ORGANIZATION

The Project Organization structure for Construction Phase is presented in Figure 1.1.

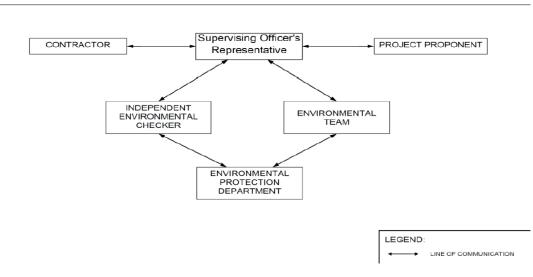


Figure 1.1Project Organization Chart



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

Party	Position	Name	Telephone no.
Project Proponent	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,	Project Manager	Stephen Yeung	2807-4665
Limited, China 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

Table 1.1Contact Details of Key Personnel

1.4. SUMMARY OF CONSTRUCTION WORKS

Details of the major construction activities undertaken in this reporting period are shown as below. The construction programme is presented in **Appendix A**.



Key activities carried out in this reporting period for the Project included the followings:

- Land Survey;
- Construction of ActiDAFF perimeter wall and water tank;
- Construction of Reverse Osmosis (RO) Building column and wall from Basement to Roof, beams and slabs for Roof Floor; water tank; Electrical Building 2nd floor slab, columns and wall;
- Construction of Product Water Storage Tank (PWST) perimeter wall and Electrical Building's 1/F slab;
- Construction of manhole no. 10 adjacent to PWST;
- Construction of Post Treatment Building footing;
- Construction of ground floor slab of Administration Building;
- Construction of reinforced concrete (R.C) footing of Inspection Corridor;
- Construction of Main Electrical and Central Chiller Plant Building (1/F to 2/F);
- Marine Dredging and 12m steel caisson erection at Outfall Shaft;
- Positioning of steel caisson to the shaft position at Outfall Shaft;
- Welding works on a derrick barge at Outfall Shaft;
- Seabed levelling works at Outfall Shaft;
- Laying of geotextile sheeting inside the bottom of steel caisson by divers at Outfall Shaft;
- Rock filling inside the steel caisson at Outfall Shaft;
- Drill rig setting up work on caisson platform at Outfall Shaft;
- 610mm diameter socketed H-piles installation at Outfall Shaft;
- 610mm diameter driven piles and Excavation & Lateral Support (ELS) erection at Intake Shaft;
- Modification of temporary working platform and welding works at Intake Shaft;
- Demobilization of piling rig and 5.5T lifting crane at Intake Shaft;
- Jacking pipe launching equipment setup at Combined Shaft and commencement of pipe jacking;
- Cable drawpit construction;
- Excavation and laying yard piping;
- Construction of base slab of Chemical Building;
- Wan Po Road Sewage Works Temporary Traffic Arrangement (TTA), excavation and laying High-Density Polyethylene (HDPE) pipe
- Construction of On-Site Chlorine Generation (OSCG) Building footing

1.5. SUMMARY OF ENVIRONMENTAL STATUS

A summary of the valid permits, licences, and/or notifications on environmental protection for this Project is presented in **Table 1.2**.



Permit/ Licenses/ Notification	Reference	Validity Period	Remarks
Environmental Permit	FEP – 01/503/2015/A	Throughout the Contract	
Notification of Construction Works under the Air Pollution Control (Construction Dust) Regulation (Form NA)	Ref. No.: 451539	-	
Wastewater Discharge Licence (land-based)	WT00035775-2020	24/07/2020 - 31/07/2025	
Wastewater Discharge Licence (marine-based)	463225	Application in progress	
Chemical Waste Producer Registration	5213-839-A2987-01	Throughout the Contract	
Construction Noise Permit (24 hrs) – CNP for general works, TBM at Combined Shaft and marine works	GW-RE0419-21	01/05/2021 - 30/10/2021	
Billing Account for Disposal of Construction Waste	7036276	Throughout the Contract	
Dumping at Sea Ordinance (DASO) Permit to dump materials (Category M) at sea	470822	Application in progress	
Dumping at Sea Ordinance (DASO) Permit to dump materials (Category L) at sea	EP/MD/22-028	02/08/2021 - 01/02/2022	

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

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



Parameters	Status
Water Quality	
Baseline Monitoring under EM&A	The baseline water quality monitoring was conducted
Manual	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	On-going
Monitoring Plan	
Environmental Audit	
Site Inspection covering Measures of Air	On-going
Quality, Noise Impact, Water Quality,	
Waste, Ecological Quality, Fisheries,	
Landscape and Visual	

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

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.

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 Project during the reporting period is provided in **Appendix C**.



2. Noise

2.1. MONITORING REQUIREMENTS

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.

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 Leq, L10 and L90 levels recorded at each monitoring station between 0700 and 1900 on normal weekdays.

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 project-related construction activities undertaken within a radius of 300m from the monitoring stations.

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 closet monitoring station NSR4 to the works location.

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.

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.

Time	Duration	Interval	Parameters
Daytime: 0700-1900	Day time: 0700-1900 (during normal weekdays)	$\begin{array}{l} \mbox{Continuously in} \\ L_{eq5min}/L_{eq30min} \mbox{(average} \\ \mbox{of 6 consecutive } L_{eq5min} \mbox{)} \end{array}$	L _{eq 30min} L _{10 30min} & L _{90 30min}

 Table 2.1 Noise Monitoring Parameters, Time, Frequency and Duration

2.2. MONITORING LOCATIONS

The monitoring locations should normally be 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.

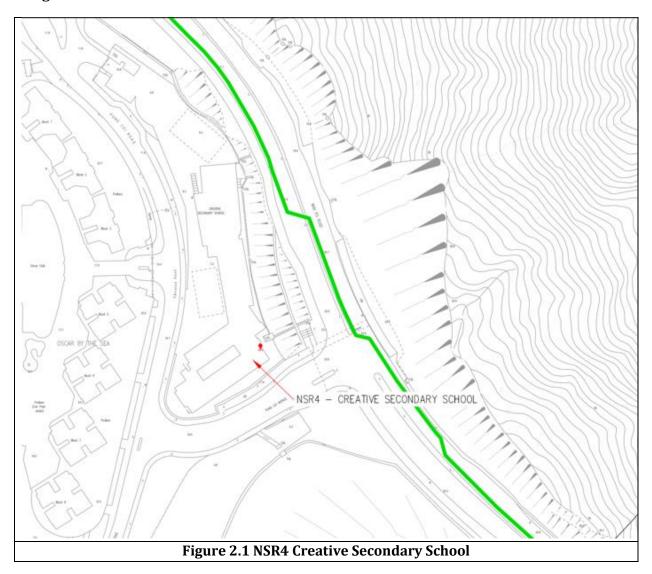


According to the environmental findings detailed in the EIA report and Baseline Monitoring Report, the designated locations for the construction noise monitoring are listed in **Table 2.2** below.

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

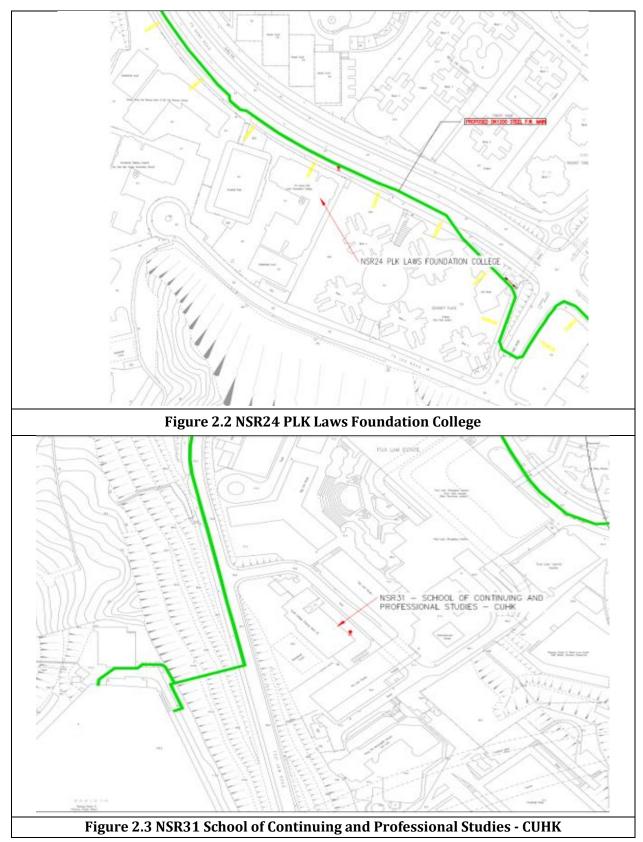
Table 2.2 Noise Sensitive Receivers

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



The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.







2.3. IMPACT MONITORING METHODOLOGY

Integrated sound level meter shall be used for the noise monitoring. The meter shall be 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 shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be 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.

Noise measurements shall not be 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.

Equipment	Brand and Model	Detection Limit
Sound Level Meter	Nti XL2	30-130 dB(A)
Sound Level Meter Calibrator	Rion NC-74	Nil
Pocket Wind Meter Anemometer	Kestrel 1000 Wind Meter	Nil

Table 2.3 Impact Noise Monitoring Equipment

2.4. ACTION AND LIMIT LEVELS

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 2.4**.

Table 2.4	Action and Limit Levels for Noise per EM&A Manual
-----------	---

Time Period	Action	Limit (dB(A))		
0700-1900 on normal weekdays	When one documented complaint is received from any one of the noise sensitive receivers			

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

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**.



2.5. MONITORING RESULTS AND OBSERVATIONS

Referring to EM&A manual Section 4.1.2, the impact noise monitoring should be carried out when there are project-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 Project site as shown in **Figure 2.4**, no impact monitoring for noise impact was conducted in the reporting period.

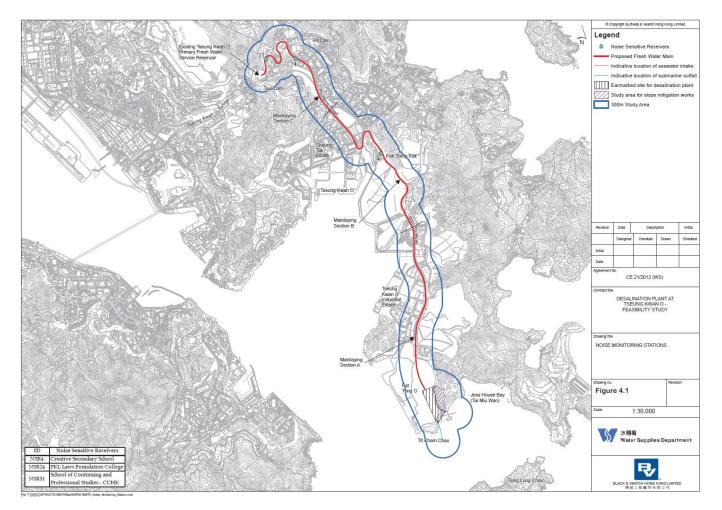


Figure 2.4 Site Layout Plan with Noise Sensitive Receivers and Desalination Plant

14



3. WATER QUALITY

In accordance with the recommendations of the EIA, water quality EM&A 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.

Water quality monitoring for the Project 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.

In addition, the marine works contractor is required to complete a silt curtain efficiency test for the combined use of floating silt curtain type and cage type silt curtain for dredging at seawater intake to confirm the silt curtain reduction efficiency assumptions of the assessment. The details of testing plan together with the silt curtain deployment plan shall be submitted by the ET to seek approval from the IEC and EPD.

With the onset of marine dredging activities in late April at Outfall Shaft Area, a silt curtain efficiency test has been conducted at the Outfall Shaft Area on 16th April 2021 at 6 monitoring intervals (08:00, 10:00, 12:00, 14:00, 16:00, 18:00). The baseline monitoring event has been conducted on 10th April 2021 at 5 monitoring locations. Testing protocols and methodologies had followed the guidelines as presented in the EM&A Manual *Annex C*. Detailed analysis of in-situ and laboratory data was presented in a separate report which has been submitted to EPD after approval by IEC on 31 May 2021. The overall Silt Removal Effectiveness at Outfall Shaft Area for the combined used of cage and floating type silt curtains was 95.28%.

3.1.1. WATER QUALITY PARAMETERS

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 baseline monitoring are listed in **Table 3.1**.



Table 3.1 Parameters measured in the baseline marine water quality monitoring

Parameters	Unit	Abbreviation				
In-situ measurements						
Dissolved oxygen	mg/L	DO				
Temperature	٥C	-				
рН	-	-				
Turbidity	NTU	-				
Salinity	⁰ / ₀₀	-				
Total Residual Chlorine NOTE1	mg/L	TRC				
Laboratory measurements						
Suspended Solids	mg/L	SS				
Iron-Soluble NOTE2	mg/L	Fe				
Anti-scalant as Reactive Phosphorus NOTE2	mg/L	PO ₄ as P-				

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

NOTE 2: The testing methods shall be submitted to EPD for approval prior to the commencement of monitoring programme

In addition to the water quality parameters, other relevant data will also be 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.

3.1.2. MONITORING EQUIPMENT

For water quality monitoring, the following equipment will be used:

Dissolved Oxygen and Temperature Measuring Equipment - The instrument will be a portable, weatherproof dissolved oxygen measuring instrument complete with cable, sensor, comprehensive operation manuals, and will be operable from a DC power source. It will be 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 shall have 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

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.



shall be 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 will be a portable, weatherproof turbiditymeasuring unit complete with cable, sensor and comprehensive operation manuals. The equipment will be operated from a DC power source, it will have a photoelectric sensor capable of measuring turbidity between 0 - 1000 NTU and will be 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 will be 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) will be 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 should be suitably calibrated. The ET shall seek approval for their proposed equipment with the client prior to deployment.

Current Velocity and Direction – No specific equipment is recommended for measuring the current velocity and direction. The environmental contractor shall seek approval of their proposed equipment with the client prior to deployment.

Positioning Device – A Global Positioning System (GPS) shall be used during monitoring to allow accurate recording of the position of the monitoring vessel before taking measurements. The Differential GPS, or equivalent instrument, should be 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, will be used (e.g. Kahlsico Water Sampler 13SWB203 or an approved similar instrument). The water sampler will have 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.

3.1.3. SAMPLING / TESTING PROTOCOLS

All in situ monitoring instruments will be checked, calibrated and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme before use, and subsequently recalibrated at monthly intervals throughout the stages of the water quality monitoring. Responses of sensors and electrodes will be checked with certified standard solutions before each use.



On-site calibration of field equipment shall follow the "Guide to On-Site Test Methods for the Analysis of Waters", BS 1427: 2009. Sufficient stocks of spare parts shall be maintained for replacements when necessary. Backup monitoring equipment shall also be made available so that monitoring can proceed uninterrupted even when equipment is under maintenance, calibration etc.

3.1.4. LABORATORY MEASUREMENT AND ANALYSIS

All laboratory work shall be carried out in a HOKLAS accredited laboratory. Sufficient volume of each water sample shall be collected at the monitoring stations for carrying out the laboratory analyses. Using chain of custody forms, collected water samples will be transferred to an HOKLAS accredited laboratory for immediate processing. The determination work shall start within the next working day after collection of the water samples. The laboratory measurements shall be provided to the client within 5 working days of the sampling event. Analytical methodology and sample preservation of other parameters will be 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 submitted information should include pre-treatment procedures, instrument use, Quality Assurance/Quality Control (QA/QC) details (such as blank, spike recovery, number of duplicate samples per-batch etc), detection limits and accuracy. The QA/QC details shall be in accordance with requirements of HOKLAS or another internationally accredited scheme.

Parameters for laboratory measurements, their standard methods and their detection limits are presented in **Table 3.2**.

Parameters Standard Methods		Detection Limit	Reporting Limit	Precision
Dissolved oxygen Instrumental, CTD (mg/L)		0.1	-	±25%
Temperature (°C)	Instrumental, CTD	0.1	-	±25%
рН	Instrumental, CTD	0.1	-	±25%
Turbidity (NTU)	Instrumental, CTD	0.1	-	±25%
Salinity (º/₀₀)	Instrumental, CTD	0.1	-	±25%
Suspended Solids (mg/L)	APHA 17 th Ed 2540D	1.0	2.0	±17%
Total Residual Chlorine (mg/L)	APHA 21st Ed 4500 – Cl G ^{NOTE1}	0.1 ^{NOTE1}	0.2 ^{NOTE1}	±10% NOTE1

Table 3.2 Laboratory measurements, standard methods and corresponding detection limits of marine water quality monitoring



Parameters	Standard Methods	Detection Limit	Reporting Limit	Precision
Iron-soluble	USEPA 6010C NOTE 1	0.2 ^{NOTE1}	0.2 ^{NOTE1}	±25% ^{NOTE1}
Anti-scalant as Reactive phosphorus	APHA 4500P: B&F NOTE1	0.01 ^{NOTE1}	0.01 ^{NOTE1}	±25% ^{NOTE1}

NOTE1: The testing methods, Quality Assurance/Quality Control (QA/QC) details, detection limits and accuracy shall be submitted to EPD for approval prior to the commencement of monitoring programme.

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

3.1.5. MONITORING LOCATION

The water quality monitoring locations for baseline are in accordance to the EM&A Manual and detailed in **Table 3.3** below. A schedule for water quality monitoring shall be prepared by the ET and approved by IEC and EPD prior to the commencement of the monitoring.

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, \sim 200m west of outfall diffuser
NF2	846942	813614	Edge of mixing zone, \sim 200m east of outfall diffuser

Table 3.3 Location of Baseline Water Quality Monitoring Station

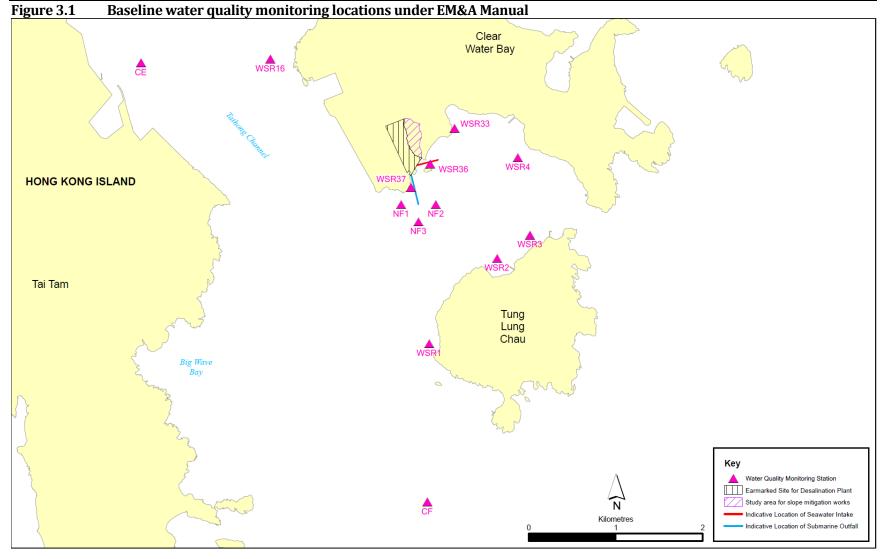


NF3 846742 813414 Edge of mixing zone, ~ 200m south of outfall diffuser

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.

Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Monthly EM&A Report No.18





Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant Monthly EM&A Report No.18



3.1.6. SAMPLING FREQUENCY

During periods when there are dredging works, impact monitoring should be undertaken at the monitoring stations as shown in **Figure 3.1** and **Table 3.3** three days per week during the construction phase after the commencement of marine construction works and dredging activities. Monitoring at each station would be undertaken at both mid-ebb and mid-flood tides on the same day. The tidal range selected for the baseline monitoring will be at least 0.5 m for both flood and ebb tides as far as practicable. The interval between two sets of monitoring would not be 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.

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 will be recorded.

3.1.7. SAMPLING DEPTHS & REPLICATION

For baseline monitoring, each station will be sampled and measurements/ water samples will be 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 shall be taken. For stations that are less than 6 m in depth, only the surface and seabed sample shall be taken. For in situ measurements, duplicate readings shall be made at each water depth at each station. Duplicate water samples shall be collected at each water depth at each station. All observations and results were recorded in the data record sheets in **Appendix L**.

3.1.8. ACTION AND LIMIT LEVELS

The Action and Limit Levels have been set based on the derivation criteria specified in the EM&A Manual, as shown in **Table 3.4** below. Based on the baseline water quality monitoring data and the derivation criteria specified in **Table 3.4**, the Action/Limit Levels have been derived and are presented in **Table 3.5**.

3.2. MONITORING PROGRAMME

The ET of the Project had conducted the baseline water monitoring between 12 May 2020 to 6 Jun 2020 at the thirteen designated monitoring stations and the six designated monitoring at waters near TKO in accordance with the EM&A Manual and Contract Specification respectively. The monitoring results was presented in Baseline Water Quality Monitoring Report separately.

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



Table 3.4Criteria of Action and Limit Levels for Water Quality

Parameters	Action	Limit						
Construction Phase	Construction Phase Impact Monitoring							
	Currence and Middle	Currence and Middle						
DO in mg/L	Surface and Middle	Surface and Middle						
	5%-ile of baseline data for surface	4 mg L ⁻¹						
	and middle layer							
	Bottom	<u>Bottom</u>						
	5%-ile of baseline data for bottom	2 mg L ⁻¹						
	layers							
	<u>Tung Lung Chau Fish Culture Zone</u>	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 (Depth-	\geq 95 %-ile of baseline data or 20%	≥ 99 %-ile of baseline data or 30%						
averaged)	exceedance of value at any impact	exceedance of value at any impact						
	station compared with	station compared with						
	corresponding data from control	corresponding data from control						
	station	station						
Turbidity in NTU	≥ 95 %-ile of baseline data or 20%	≥ 99 %-ile of baseline data or 30%						
(Depth-averaged)	exceedance of value at any impact	exceedance of value at any impact						
	station compared with	station compared with						
	corresponding data from control	corresponding data from control						
	station	station						
First-year Operatio	on Phase Monitoring							
DO in mg/L	Surface and Middle	Surface and Middle						
	5%-ile of baseline data for surface	4 mg L ⁻¹						
	and middle layer							
	<u>Bottom</u>	<u>Bottom</u>						
	5%-ile of baseline data for bottom	2 mg L-1						
	layers							
	Tung Lung Chau Fish Culture Zone	<u>Tung Lung Chau Fish Culture Zone</u>						



Monthly EMAA Repor	110.10	CONSULTING LINE LINE
	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 (Depth-	≥ 95 %-ile of baseline data or 20%	≥ 99 %-ile of baseline data or 30%
averaged)	exceedance of value at any impact	exceedance of value at any impact
averageaj	station compared with	station compared with
	-	-
	corresponding data from control	corresponding data from control
	station	station
Turkiditer in NTH	~ 050 (i) of bogoling data or 200(> 00.0 (i.e. of headling data or 200
Turbidity in NTU	\ge 95 %-ile of baseline data or 20%	≥ 99 %-ile of baseline data or 30%
(Depth-averaged)	exceedance of value at any impact	exceedance of value at any impact
	station compared with	station compared with
	corresponding data from control	corresponding data from control
	station	station
Salinity in PSU	109% of baseline level or 9%	110% of baseline level or 10%
(Depth-averaged)	exceedance of value at any impact	exceedance of value at any impact
	station compared with	station compared with
	corresponding data from control	corresponding data from control
	station	station
Iron in mg/L	0.3 mgL ⁻¹	0.3 mgL ⁻¹
(Depth-averaged)		



Table 3.5Derived Action and Limit Levels for Water Quality

Parameters	Action	Limit		
Construction Phas	e Impact Monitoring			
D0 in mg/L	Surface and Middle	Surface and Middle		
	7.30 mg L ⁻¹	4 mg L ⁻¹		
	Bottom	Bottom		
	7.31 mg L ⁻¹	2 mg L ⁻¹		
	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 Operati	on Phase Monitoring ^{iv}			
DO in mg/L	Surface and Middle	Surface and Middle		
	7.30 mg L ⁻¹	4 mg L ⁻¹		
	<u>Bottom</u>	<u>Bottom</u>		
	7.31 mg L ⁻¹	2 mg L ⁻¹		
	<u>Tung Lung Chau Fish Culture Zone</u>	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)	valueat any impact station	value at any impact station		
	compared with corresponding data	compared with corresponding data		
	from control station	from control station		

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.



монину вмая керо	1110.10	CONSULTING LIMITED
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
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 ⁻¹	0.3 mgL ⁻¹
(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.

3.3. MONITORING RESULTS AND OBSERVATIONS

General water quality monitoring at the ten monitoring stations (CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36 and WSR37) were conducted on 3, 5, 7, 10, 12, 14, 17, 19, 21, 24, 26, 28 and 31 August 2021.

During the impact monitoring period for August 2021, seventy (70) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Fifty-two (52) of the general water quality monitoring results of SS obtained during the reporting period had exceeded the Limit Level.

Details of the exceedance are presented in **Appendix 0**.

Investigation on the reason of exceedance has been carried out, where the exceedance of SS on 03/08, 05/08, 07/08, 10/08, 12/08, 14/08, 17/08, 19/08, 21/08, 24/08, 26/08 and 28/08 was concluded to be unrelated to the project as detailed in the Incident Reports on Action Level or Limit Level Non-compliance along with supporting materials in **Appendix 0**.

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**.

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.

Contract No. 13/WSD/17
Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant
Monthly EM&A Report No.18



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

Locations		Parameters						
		Salinity (ppt)	Dissolved Oxygen (mg/L)		pН	Turbidity	Suspended	Temp.(°C)
		J GIV	Surface & Middle	Bottom	r	(NTU)	Solids (mg/L)	r r r
	Avg.	30.24	8.44	8.42	8.21	3.5	4.72	28.2
CE	Min.	29.08	7.29	7.32	7.88	2.7	2.50	27.3
	Max.	31.46	9.74	9.80	8.53	4.9	10.00	29.1
	Avg.	30.36	8.42	8.42	8.14	3.5	5.48	28.4
CF	Min.	29.06	7.61	7.77	7.93	2.6	2.50	27.5
	Max.	31.64	9.14	9.24	8.40	4.6	10.00	29.2
	Avg.	30.24	8.56	8.55	8.18	2.4	4.74	28.4
WSR1	Min.	28.60	7.81	7.97	7.93	1.6	2.50	27.5
	Max.	31.65	9.30	9.19	8.48	3.5	9.00	29.5
	Avg.	30.39	8.47	8.39	8.22	2.5	5.88	28.5
WSR2	Min.	29.08	7.16	7.30	7.96	1.5	2.50	27.6
	Max.	31.58	9.47	9.53	8.52	3.4	12.00	29.7
	Avg.	30.45	8.55	8.55	8.19	2.4	6.10	28.3
WSR3	Min.	29.32	7.33	7.37	7.94	1.5	2.50	27.5
	Max.	31.67	9.50	9.27	8.56	3.0	14.00	29.3
	Avg.	30.39	8.33	8.32	8.17	2.6	5.28	28.4
WSR4	Min.	29.31	7.38	7.17	7.97	1.6	2.50	27.5
	Max.	31.49	9.57	9.58	8.38	3.5	10.00	29.6
	Avg.	30.20	8.43	8.46	8.20	2.5	5.52	28.2
WSR16	Min.	29.16	7.81	7.51	7.95	1.7	2.50	27.3
	Max.	31.43	9.30	9.64	8.53	3.8	10.00	29.5
	Avg.	30.25	8.48	8.42	8.24	2.4	6.99	28.3
WSR33	Min.	29.06	7.79	7.75	7.87	1.4	2.50	27.4
	Max.	31.25	9.58	9.38	8.59	3.4	19.00	29.6
	Avg.	30.18	8.29	8.45	8.18	2.4	6.65	28.3
WSR36	Min.	28.95	7.10	7.28	7.90	1.5	2.50	27.4
	Max.	31.22	9.57	9.48	8.54	3.3	17.00	29.0
	Avg.	30.25	8.38	8.41	8.16	2.4	6.85	28.3
WSR37	Min.	28.84	7.37	7.37	7.96	1.5	2.50	27.3
	Max.	31.30	9.81	9.84	8.40	3.6	15.00	29.1

Notes:

i. "Avg", "Min" and "Max" is the average, minimum and maximum respectively of the data from measurements conducted under midflood 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.



Locations		Parameters						
		Salinity (ppt)	Dissolved Oxygen (mg/L)		pН	Turbidity	Suspended	Temp.(°C)
			Surface & Middle	Bottom	r	(NTU)	Solids (mg/L)	
	Avg.	30.38	8.55	8.54	8.21	3.5	5.24	28.4
CE	Min.	29.23	7.80	7.86	7.99	2.4	2.50	27.1
	Max.	31.26	9.72	9.65	8.50	4.5	10.00	29.4
	Avg.	30.04	8.38	8.37	8.18	3.7	5.83	28.8
CF	Min.	28.54	7.56	7.19	7.90	2.8	2.50	27.5
	Max.	30.90	9.63	9.71	8.46	5.0	10.00	30.1
	Avg.	30.26	8.44	8.37	8.16	2.4	5.54	28.7
WSR1	Min.	29.15	7.52	7.40	7.80	1.4	2.50	27.5
	Max.	31.45	9.50	9.47	8.42	3.3	11.00	29.7
	Avg.	30.33	8.34	8.33	8.15	2.5	6.12	28.8
WSR2	Min.	29.15	7.52	7.60	7.80	1.6	2.50	27.5
	Max.	31.41	9.26	9.08	8.40	3.5	14.00	29.9
	Avg.	30.20	8.46	8.56	8.16	2.5	6.60	28.7
WSR3	Min.	28.78	7.60	7.14	7.83	1.8	2.50	27.4
	Max.	31.60	9.09	9.14	8.41	3.5	18.00	29.6
	Avg.	30.07	8.40	8.38	8.15	2.5	5.20	28.7
WSR4	Min.	28.64	7.74	7.40	7.86	1.8	2.50	27.4
	Max.	31.53	9.20	9.30	8.44	3.7	12.00	29.8
	Avg.	30.32	8.23	8.26	8.19	2.6	5.98	28.5
WSR16	Min.	29.17	7.59	7.64	7.84	1.6	2.50	27.2
	Max.	31.31	9.01	8.91	8.50	3.5	11.00	29.5
	Avg.	30.18	8.53	8.53	8.19	2.5	5.95	28.6
WSR33	Min.	28.53	7.66	7.51	7.89	1.7	2.50	27.3
	Max.	30.91	9.22	9.34	8.50	3.7	11.00	29.2
	Avg.	30.33	8.26	8.31	8.18	2.3	5.22	28.6
WSR36	Min.	28.63	7.46	7.70	7.92	1.5	2.50	27.3
	Max.	31.50	8.98	9.07	8.53	3.5	10.00	29.8
	Avg.	30.20	8.43	8.45	8.20	2.5	6.72	28.6
WSR37	Min.	29.02	7.52	7.51	7.94	1.8	2.50	27.3
	Max.	31.46	9.23	9.32	8.50	3.5	14.00	29.3

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

Notes:

i. "Avg", "Min" and "Max" is the average, minimum and maximum respectively of the data from measurements conducted under midflood 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

The waste generated from this Project 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 project 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 Project, the quantities of different types of waste generated in the reporting month are summarised in **Table 4.1**. Details of cumulative waste management data are presented as a waste flow table in **Appendix H**.

Table 4.1Quantities of Waste Generated from the Project during August 2021

	Reporting Month	Actual Quantities of Inert C&D Materials Generated Monthly					Actual Quantities of C&D Wastes Generated Monthly					
		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)	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 2021*	42.340	0.000	0.000	0.000	42.340	0.000	0.000	1.260	5.510	0.000	74.070

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

* The data may be updated in the next reporting month after final confirmation by the end of the month.



5. LANDFILL GAS MONITORING

5.1. MONITORING REQUIREMENT

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.

5.2. MONITORING LOCATION

Monitoring of oxygen, methane, carbon dioxide and barometric pressure would be performed for excavations at 1m depth or more within the consultation Zone.

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.

For excavations between 300mm and 1m deep, measurements should be carried out:

- Directly after the excavation has been completed; and
- Periodically whilst the excavation remains open.

5.3. MONITORING PROGRAMME

For the part of the desalination plant and the indicative area of natural slope mitigation works fall within the SENT Landfill Extension Consultation Zone in this contract, since the SENT Landfill Extension is still under construction, the Landfill gas monitoring shall be conducted after the commencement of operation of the SENT Landfill Extension which will be 2021 Quarter 4 according to the latest construction programme shown in the monthly EM&A Report of SENT Landfill Extension. The Contractor's safety officer shall keep review the necessity of landfill gas monitoring during the construction stage. In this reporting period,48 times of monitoring was recorded.

5.4. MONITORING LOCATION

The area required to be monitored for landfill gas in the reporting period is shown in **Figure 5.1**.



5.5. MONITORING PARAMETERS

LFG monitoring was carried out to identify any migration between the landfill and the Project and to ensure the safety of the construction, operation and maintenance personnel working on-site, visitors and any other person within the Project area. The following parameters were monitored:

• Methane.

- Oxygen.
- Carbon Dioxide.
- Barometric Pressure.

Action and Limit Level are provided in Table 5.1.

Table 5.1 Action and Limit Level for L	andfill Gas Monitoring Equipment
Tuble 5.1 Hetion and Linne Level for L	

Parameters	Action Level	Limit Level		
Oxygen (O2)	<19% O2	<19% O2		
Methane (CH4)	>10% LEL	>80% LEL		
Carbon Dioxide (CO2)	>0.5% CO2	>1.5% CO2		

5.6. MONITORING EQUIPMENT

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 down-loaded directly;
- Measure in the following ranges:

methane	0-100% LOWER EXPLOSION LIMIT (LEL) AND 0-100% $\nu/\nu;$		
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:

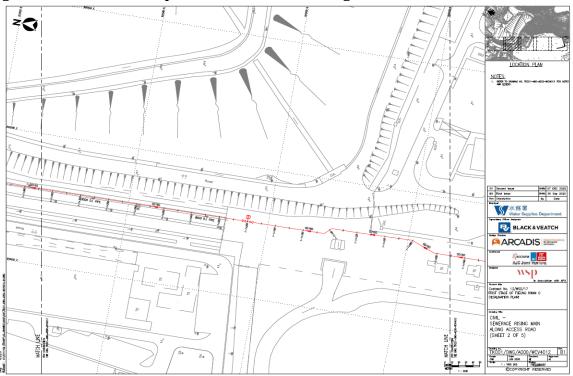
methane	>10% LEL;
oxygen	<19%
carbon dioxide	>0.5% by volume
barometric pressure	mBar (absolute)

Monitoring Equipment used in the reporting period are summarised in Table 5.2. The landfill gas monitoring equipment calibration certificate is presented in **Appendix N**. Landfill gas results are presented in **Appendix L**.

Table 5.2 Landfill Gas Monitoring Equipment

Equipment	Brand and Model	Calibration Expiry Date		
Portable Gas Detector	QRAE III	01 July 2022		
Portable Gas Detector	MultiRAE Lite PGM-6208	06 April 2022		

Figure 5.1 Location Map for Landfill Gas Monitoring at Wan Po Road



5.7. MONITORING RESULTS AND OBSERVATIONS

In this reporting period,48 times of landfill gas monitoring was recorded. No exceedance of action and limit levels for methane, oxygen and carbon dioxide was observed. Monitoring was conducted when excavations at 1m depth or more within the consultation zone were conducted and workers entered the excavation on the day.

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.



6. SUMMARY OF MONITORING EXCEEDANCE, COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTIONS

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

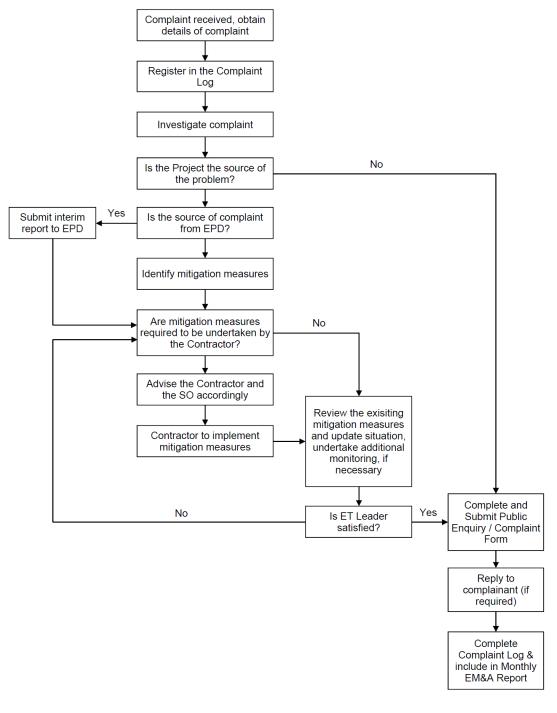


Figure 6.1 Environmental Complaint Handling Procedures

33



No noise monitoring was conducted during the reporting period since there are no project-related construction activities undertaken within a radius of 300m from the monitoring locations.

General water quality monitoring at the ten monitoring stations (CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36 and WSR37) were conducted on 3, 5, 7, 10, 12, 14, 17, 19, 21, 24, 26, 28 and 31 August 2021.

Seventy (70) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Fifty-two (52) of the general water quality monitoring results of SS obtained during the reporting period had exceeded the Limit Level. Further information can be found in **Appendix O**.

Details of the exceedance are presented in **Appendix 0**.

Investigation on the reason of exceedance has been carried out, where the exceedance of SS on 03/08, 05/08, 07/08, 10/08, 12/08, 14/08, 17/08, 19/08, 21/08, 24/08, 26/08 and 28/08 was concluded to be unrelated to the project as detailed in the Incident Reports on Action Level or Limit Level Non-compliance along with supporting materials in **Appendix 0**.

48 times of landfill gas monitoring was recorded. No exceedance of action and limit levels for methane, oxygen and carbon dioxide was observed.

No notification of summons and prosecution was received in the reporting period.

Statistics on complaints and regulatory compliance are summarized in **Appendix J.**



7. EM&A SITE INSPECTION

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 3, 10, 17, 24 and 31 August 2021 at the site portions list in **Table 7.1** below.

Date	Inspected Site Portion	Time
03 August 2021	TKO 137	14:35 - 17:08
10 August 2021	TKO 137	14:30 - 17:00
17 August 2021	TKO 137	14:30 - 17:00
24 August 2021	TKO 137	14:30-17:00
31 August 2021	TKO 137	09:00-13:00

Table 7.1Summaries of Site Inspection Record

Joint site inspection with IEC were carried out on 3, 10, 17, 24 and 31 August 2021.

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**.

Date	Environmental Observations	Follow-up Status
03 August 2021	 <u>Observation(s) and Recommendation(s)</u> 1. Chemicals were not placed inside a drip tray at Product Water Storage Area (observation). 2. Housekeeping was reminded at the temporary nullah (general)(reminder). 	1. Drip tray provided.
10 August 2021	 <u>Observation(s) and Recommendation(s)</u> 1. No major observations were reported on the respective day. 2. Housekeeping was reminded at the nullah (General) and construction area near to ActiDAFF Area (reminder). 3. Stagnant water trapped at the sump pit near to ActiDAFF Area and the pipes at the material storage area should be cleaned regularly (reminder). 	Nil.
17 August 2021	 <u>Observation(s) and Recommendation(s)</u> 1. No major observations were reported on the respective day. 2. The Main Contractor was reminded that regular inspection of the sump pit for the Concrete Washing Area to prevent the discharge of untreated water (reminder). 	Nil.

Table 7.2Site Observations

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.



Date	Environmental Observations	Follow-up Status
	3. The Main Contractor was reminded that C&D materials shall not be stockpiled directly next to the water barriers to prevent the escape of these materials from the construction sites. Dust suppression measures should also be implemented if the stockpile will be temporarily stored at the working portion (Wan Po Road) (reminder).	
24 August 2021	 <u>Observation(s) and Recommendation(s)</u> Gullies were observed not protected by sandbags and geotextile at Wan Po Road (observation). Housekeeping was reminded (General) (reminder). Regular removal of general wastes should be conducted to avoid hygiene concerns (general)(reminder). Cleaning of drip tray of generators should be regularly conducted (Between Administration Building and ActiDAFF) (reminder). The Main Contractor was reminded to add earth bunds/sandbags at the discharge point to prevent discharge of untreated water (Concrete Washing Area) (reminder). 	 Road gullies of concern were covered with tarpaulin sheet to avoid soil from dropping in and silty runoff from flowing in.
31 August 2021	 Observation(s) and Recommendation(s) Overflowing of concrete washing wastewater was observed at Concrete Washing Area. The Main Contractor was reminded to increase the wastewater holding capacity and add the earth bunds/sandbags at the exit to prevent untreated water overflowing from the construction site (observation). Housekeeping was reminded (general)(reminder). Cleaning of drip tray of generator should be conducted regularly (新徳利) barge) (reminder). The Main Contractor was reminded to consider chemical storage at the construction site (1st sedimentation tank/worker resting area) (reminder). 	 Sandbag bunds provided to desilt the wastewater before draining to the perimeter drain.



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

Works to be undertaken in the next reporting month are:

- Land Survey;
- Construction of ActiDAFF perimeter wall and water tank;
- Construction of Reverse Osmosis (RO) Building column and wall from Basement to Roof; beams and slabs for Roof Floor; water tank; Electrical building roof floor slab, columns and wall;
- Construction of Product Water Storage Tank (PWST) perimeter wall and Electrical Building's 1/F slab;
- Construction of manhole no. 10 adjacent to PWST;
- Construction of Post Treatment Building footing;
- Construction of ground floor slab of Administration Building;
- Construction of reinforced concrete (RC) footing of Inspection Corridor.;
- Internal finishing work in Central Chiller Plant Building;
- 610mm diameter socketed H-piles installation and rockfill removal at Outfall Shaft;
- Excavation & Lateral Support (ELS) erection set-up and commencement of marine dredging at Intake Shaft;
- Jacking pipe launching equipment setup at Combined Shaft and commencement of pipe jacking works;
- Cable drawpit construction;
- Glass Reinforced Plastic (GRP) pipe lamination;
- Construction of structural wall of Chemical Building;
- Wan Po Road Sewage Works Temporary Traffic Arrangement (TTA), excavation and laying High-Density Polyethylene (HDPE pipe);
- Construction of On-Site Chlorine Generation (OSCG) Building footing
- Excavation and lateral support (ELS) at Pump house

The major environmental impacts brought by the above construction works will include:

- Construction dust and noise generation from construction and ELS works, pipe driven works and marine construction works
- Waste generation from construction activities
- Impact on water quality from marine construction works and inland construction works

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 areas before discharge

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 project-related construction activities undertaken within a radius of 300m from the monitoring stations.

The impact noise monitoring schedule for the next reporting month to be shown at **Appendix K** is not included since no impact noise monitoring will be conducted in the next reporting month.

9. CONCLUSIONS AND RECOMMENDATIONS

This is the 18th 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 2021, in accordance with the EM&A Manual and the requirement under FEP-01/503/2015/A.

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.

The EM&A works for water quality were conducted during the reporting period in accordance with the EM&A Manual.

Seventy (70) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Fifty-two (52) of the general water quality monitoring results of SS obtained during the reporting period had exceeded the Limit Level.

Details of the exceedance are presented in **Appendix 0**.

Investigation on the reason of exceedance has been carried out, where the exceedance of SS on 03/08, 05/08, 07/08, 10/08, 12/08, 14/08, 17/08, 19/08, 21/08, 24/08, 26/08 and 28/08 was concluded to be unrelated to the project as detailed in the Incident Reports on Action Level or Limit Level Non-compliance along with supporting materials in **Appendix 0**.

It was concluded that all exceedances recorded in August were unrelated to the project.

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.

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 temporary wastewater storage capacity.

No environmental complaint was received in the reporting period.



No notification of summons or prosecution was received since commencement of the Contract.

The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.



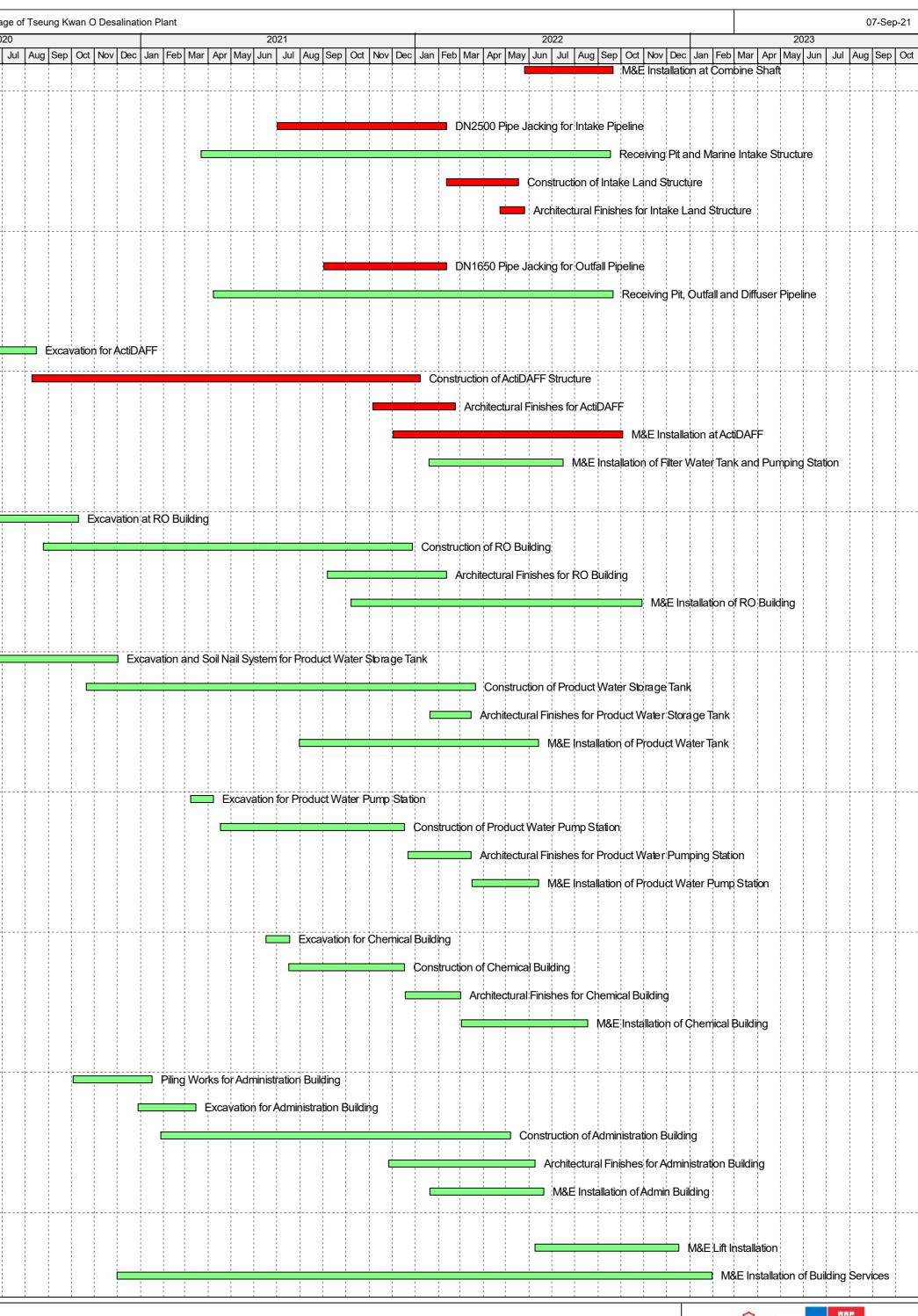
Appendix A

Master Programme

13/WSD/17							Design, Build	and Operate F	First Stage o	of Tseung	Kwan O D	esalination	n Plant)7-Sep-21
Activity ID	Activity Name	Calendar	Original Duration	Early Start		otal loat Nev	-	-	2020	-		Ī		Maril		2021			Neula				2022		Det New D			.023	•
Programme of t	the Works					Nov	Dec Jan Feb	war Apr Ma	y Jun Jul	Aug Se			an [Feb	Iviar Ap	pr May	Jun Ju	Aug	ep Oct		c Jan Fe	D Mar	Apr [May] Jun		ug Sep		c Jan Feb	war Apr Ma	y Jun Jul Aug	Sep Oct
Key Dates																													
	nt and Completion Date																												
KD0000100	Letter of Acceptance	IWP0 - 7	0	15-Nov-19		0 🔶 I	Letter of Accep	tance																					
KD0000110	Commencement of the Works	IWP0 - 7		30-Dec-19		0		ncement of t	ne Works																				
KD0000120	Completion of the Works (1170 Days)	IWP0 - 7	0	200010	13-Mar-23	- 																·					♦ Completi	on of the Works	e را ۱۱۲۵ (117
		IWP0 - 7		14 Mar 00																									EOT Gran
KD0000130	EOT Granted for Completion of the Works (150.5 Days)			14-Mar-23	11-Aug-23																								
KD0000500	Extended Completion of the Works	IWP0 - 7	0		11-Aug-23	0																							Extended
KD0000510	Planned Completion of the Works incl. DfMA	IWP0 - 7	0		25-May-23	78																						Planned Con	pletion of
Executive Sum	maries												, , , , ,																
Preliminary Se																													
ES0001000	Mobilization and Preliminary Set Up	IWP0 - 7	204	30-Dec-19	20-Jul-20	117				Mobiliza	tion and I	Preliminary	y Set U	lp															
Civil Design Al	P and DDA																												
ES0001010	AIP Civil Design Submission and Approval	IWP0 - 7	246	30-Dec-19	31-Aug-20	105					IP Civil D	esign Sub	omissio	n and Ap	oproval														
ES0001020	DDA Civil Design Submission and Approval	IWP0 - 7	613	22-Jan-20	25-Sep-21	85							-	1 1 1 1 1 1 1 1 1 1					A Civil D	esign Sub	mission	and Approv	al						
M&E Design A	IP and DDA												·													·	·		
ES0002000	M&E AIP Process Mechanical Submission and Approval	IWP0 - 7	359	30-Dec-19	22-Dec-20	109						— M	I&E AIP	Process	s Mech	anical Su	ubmissio	on and Ap	oproval										
ES0002010	M&E DDA Process Mechanical Submission and Approval	IWP0 - 7	432	21-Jul-20	25-Sep-21	108												— M&E	E DDA F	Process M	lechanic	al Submissio	on and Ap	pproval					
ES0002020	M&E AIP Instrumentation & Control Submission and Approval	IWP0 - 7	22	04-Feb-20	25-Feb-20	779		M&EAIP Ins	strumentati	on & Con	itrol Subn	nission and	d Appro	oval															
ES0002030	M&E DDA Instrumentation & Control Submission and Approval	IWP0 - 7	360	13-Feb-21	07-Feb-22	150															M&E D	DA Instrumer	ntation &	& Control	Submission a	and Approv	val		
ES0002050	M&E DDA Electrical and Renewable Energy Submission and Approval	IWP0 - 7			31-Dec-20	83							M&E D	DAElect	trical an	d Renev	wable E	nergy Su	bmissio	n and Ap	proval						· · · · · · · · · · · · · · · · · · ·		+
ES0002060	M&E AIP Building Services Submission and Approval	IWP0 - 7				117						/&EAIPB																	
ES0002000	M&E Design Basis & Civil Guidance Dwg	IWP0 - 7				263				M&⊏ D		is & Civil (on u													
														μο Dyvy			חר בא	\ Duvilatio	Sonia	Cuber-		d Approval							
ES0002070	M&E DDA Building Services Submission and Approval	IWP0 - 7		01-Mar-20	30-Jun-21	31											ior⊑ DD/	- Duilding	Service	es sume	soun an	d Approval							
ES0002085	M&E AIP Site Electrical Submission and Approval	IWP0 - 7				215				IVI&ԷAll	- Site Fle	ctrical Sub	omissio	n and Ap															
ES0002090	M&E DDA Lift Submission and Approval	IWP0 - 7		01-Oct-20	12-May-21	68									N			omission											
ES0002095	M&E DDA Site Electrical Submission and Approval	IWP0 - 7		23-Jul-20		129			[1			I M&EI	DDA Sit	e Electric		nission and									
ES0002100	M&E AIP T&C Design Submission and Approval	IWP0 - 7	126	01-Aug-21	04-Dec-21	175														M&EAIP1	T&C De	sign Submiss	sion and <i>i</i>	Approval					
ES0002110	M&E DDA T&C Design Submission and Approval	IWP0 - 7	60	05-Dec-21	02-Feb-22	175															M&E DE	AT&C Desiç	gn Subm	nission an	d Approval				
Procurement of	of Major Plant & Equipment Schedule																												
ES0002320	M&E Procurement of Major Plant, Equipment, Material and Delivery	IWP0 - 7	875	04-Feb-20	27-Jun-22	85		·						÷								·	□ M&E I	Procuren	ent of Majo	or Plant, Equ	uipment, Mate	rial and Delivery	
ES2420	M&E Procurement of Mechanical Equipment - Intake Pumps	IWP0 - 7	682	04-Feb-20	16-Dec-21	160								. I I I I I I I I I						M&E Pro	ocurem	ent of Mecha	inical Equ	uipment -	Intake Pum	nps			
ES2430	M&E Procurement of Mechanical Equipment - ActiDAFF Underdrain	IWP0 - 7	469	02-Aug-20	13-Nov-21	83													■ M&I	E Procure	ment of	Mechanical	Equipme	ent - ActiD	AFF Underc	drain			
ES2440	M&E Procurement of Mechanical Equipment - ActiDAFF Media	IWP0 - 7	485	23-Jul-20	19-Nov-21	152			C				-	1 1 1 1 1 1 1 1					— M8	E Procure	ement c	f Mechanical	l Equipm	nent - Actil	OAFF Media	a			
ES2450	M&E Procurement of Mechanical Equipment - RO and ERD Rack	IWP0 - 7	486	22-Jul-20	19-Nov-21	133			E										— M8	E Procure	emento	f Mechanical	l Equipm	nent - RO	and ERD R	Rack			
ES2460	M&E Procurement of Mechanical Equipment - RO Membrane	IWP0 - 7	945	12-Feb-20	13-Sep-22	124							·									·		— M	E Procurer	ment of Me	chanical Equi	oment - RO Mer	nbrane
ES2470	M&E Procurement of Electrical Equipment - CLP Substation for LV Switchbox	ard / IWP0 - 7			28-Feb-21	1								M&EF	Procure	ment of	Electric	al Equipn	nent - C	LP Substa	ation for	LV Switchbo	oard / Ge	enset / Bu	lding Servic	æs			
132kV Substat	Genset / Building Services																												
ES0001460	Excavation and Formation Works for 132kV Substation	IWP0 - 7	65	19-Feb-20	23-Apr-20	3		Ex	cavation a	nd Forma	ation Wor	(s for 132	kV Suh	ostation															
ES0001400	Construction of 132kV Substation	IWP0 - 7			30-Dec-20									uction of	13211/	Substati	on												
				•		<u> </u>												2014/0				· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·		
ES0001480	Architectural Finishes for 132kV Substation	IWP0 - 7			22-Mar-21	0												32kV Su		1									
ES0002240	M&E Installation of 132kV Substation	IWP0 - 7	112	01-Dec-20	22-Mar-21	0								M8	&E Inst	allation o	t 132kV	Substati	on										
Combine Shaf																													
ES0001060	Construction of Combine Shaft	IWP0 - 7	425	02-May-20	30-Jun-21	0							1			— C	onstruc	ion of Co	ombine	Shaft									
Summary Bar		Page 1 of 4	I		I									. 1					1								Gaccion		
Actual Summa	ry Critical Bar ♦ ♦ Milestone								Pr	rogram	me of \	Vorks															7	T VENTURE	
																											200 101	VENIURE	



13/WSD/17							i	D	Design, I	Build a	nd Ope	erate Firs	-
tivity ID	Activity Name		Calendar	Original Duration	Early Start	Early Finish	Total Float	Nov De	ec Jan	Feb 1	Mar Ar	pr May	2020 Jun J
ES0002120	M&E Installation at Combine Shaft	I	IWP0 - 7	118	26-May-22	20-Sep-22	0			, , , , , , , , , , , , , , , , , , ,			
Intake													
ES0001070	DN2500 Pipe Jacking for Intake Pipeline	I	IWP0 - 7	225	02-Jul-21	11-Feb-22	0						
ES0001080	Receiving Pit and Marine Intake Structure	I	IWP0 - 7	545	22-Mar-21	17-Sep-22	4						
ES0001110	Construction of Intake Land Structure	1	IWP0 - 7	96	11-Feb-22	17-May-22	0						
ES0001120	Architectural Finishes for Intake Land Structure	I	IWP0 - 7	33	23-Apr-22	25-May-22	0						
OutFall													
ES0001090	DN1650 Pipe Jacking for Outfall Pipeline	1	IWP0 - 7	164	01-Sep-21	11-Feb-22	0						
ES0001100	Receiving Pit, Outfall and Diffuser Pipeline		IWP0 - 7	531	08-Apr-21	20-Sep-22	1						
ActiDAFF													
ES0001140	Excavation for ActiDAFF	1	IWP0 - 7	116	22-Apr-20	15-Aug-20	11						
ES0001150	Construction of ActiDAFF Structure	I	IWP0 - 7	516	10-Aug-20	07-Jan-22	0						
ES0001160	Architectural Finishes for ActiDAFF		IWP0 - 7	110	06-Nov-21	23-Feb-22	0						
ES0002130	M&E Installation at ActiDAFF		IWP0 - 7	306	02-Dec-21	03-Oct-22	0						
ES0002140	M&E Installation of Filter Water Tank and Pumping Station	I	IWP0 - 7	179	19-Jan-22	16-Jul-22	46						
Reverse Osmos	sis Building												
ES0001170	Excavation at RO Building		IWP0 - 7	115	18-Jun-20	10-Oct-20	30						
ES0001180	Construction of RO Building	[IWP0 - 7	491	25-Aug-20	28-Dec-21	25						
ES0001190	Architectural Finishes for RO Building	I	IWP0 - 7	159	06-Sep-21	11-Feb-22	25						
ES0002150	M&E Installation of RO Building		IWP0 - 7	387	07-Oct-21	28-Oct-22	25						
Product Water	Storage Tank												
ES0001240	Excavation and Soil Nail System for Product Water Storage Tank		IWP0 - 7	161	24-Jun-20	01-Dec-20	21						
ES0001250	Construction of Product Water Storage Tank		IWP0 - 7	517	21-Oct-20	21-Mar-22	21						
ES0001260	Architectural Finishes for Product Water Storage Tank		IWP0 - 7	55	20-Jan-22	15-Mar-22	22						
ES0002210	M&E Installation of Product Water Tank		IWP0 - 7	318	31-Jul-21	13-Jun-22	122						
		'	100-7	510	51-50-21	13-3011-22	122						
ES0001270	Pumping Station Excavation for Product Water Pump Station	I	IWP0 - 7	31	08-Mar-21	07-Apr-21	54						
ES0001270	Construction of Product Water Pump Station		IWP0 - 7	245	17-Apr-21	17-Dec-21	66						
					· ·								
ES0001290	Architectural Finishes for Product Water Pumping Station		IWP0 - 7	85	22-Dec-21	16-Mar-22	59						
ES0002215	M&E Installation of Product Water Pump Station		IWP0 - 7	89	17-Mar-22	13-Jun-22	35						
Chemical Build													
ES0001300	Excavation for Chemical Building		IWP0 - 7	31	17-Jun-21	17-Jul-21	5						
ES0001310	Construction of Chemical Building		IWP0 - 7	154	17-Jul-21	17-Dec-21	20						
ES0001320	Architectural Finishes for Chemical Building	ſ	IWP0 - 7	75	18-Dec-21	02-Mar-22	16						
ES0002220	M&E Installation of Chemical Building	I	IWP0 - 7	168	03-Mar-22	17-Aug-22	9						
Administration	Building												
ES0001330	Piling Works for Administration Building	I	IWP0 - 7	106	03-Oct-20	16-Jan-21	18						
ES0001340	Excavation for Administration Building	I	IWP0 - 7	78	28-Dec-20	15-Mar-21	17						
ES0001350	Construction of Administration Building	1	IWP0 - 7	465	28-Jan-21	07-May-22	12						
ES0001360	Architectural Finishes for Administration Building		IWP0 - 7	195	26-Nov-21	08-Jun-22	10						
ES0002230	M&E Installation of Admin Building	1	IWP0 - 7	152	20-Jan-22	20-Jun-22	67						
Building Servic	ces & Lift Installation												
ES0002270	M&E Lift Installation		IWP0 - 7	191	09-Jun-22	16-Dec-22	129						
ES0002280	M&E Installation of Building Services	I	IWP0 - 7	791	01-Dec-20	30-Jan-23	63						
Summary Bar Actual Summar Actual Work	Early Bar ry Critical Bar ♦ Milestone	Page 2 of 4											:





/WSD/17 ity ID	Activity Name	Calendar	Original	Early Start	Early Finish	Total		D	esign [, Build	d and	Opera	ite Firs	st Stag	
-			Duration	, o.u.		Float	Nov	/ De	c Jar	Feb	Mar	Apr	May	Jun	
OSCG Building			405	04.4 04	10.0 1.01										
ES0001400	Excavation for On-site Chlorine Generation Building	IWP0 - 7	195	01-Apr-21	12-Oct-21	14									}
ES0001410	Construction of On-site Chlorine Generation Building	IWP0 - 7	195	05-Jul-21	15-Jan-22	13						- - - -			
ES0001420	Architectural Finishes for On-site Chlorine Generation Building	IWP0 - 7	66	17-Jan-22	23-Mar-22	14									
ES0002200	M&E Installation of On-site Chlorine Generation Building	IWP0 - 7	111	24-Mar-22	12-Jul-22	13						-			
Post Treatment	Building														
ES0001210	Excavation and ELS for Post Treatment Building	IWP0 - 7	289	03-Dec-20	17-Sep-21	36									
ES0001220	Construction of Post Treatment Building	IWP0 - 7	379	17-Dec-20	30-Dec-21	40									
ES0001230	Architectural Finishes for Post Treatment Building	IWP0 - 7	90	06-Dec-21	05-Mar-22	34									
ES0002180	M&E Installation of Post Treatment System	IWP0 - 7	166	07-Mar-22	19-Aug-22	47						- - - -			
Sludge Thicker	ner de la companya de	, 													
ES0001680	Excavation and ELS for Sludge Thickener	IWP0 - 7	7	30-Sep-21	06-Oct-21	16									
ES0001690	Construction of Sludge Thickener	IWP0 - 7	132	07-Oct-21	15-Feb-22	51									
ES0001700	Architectural Finishes for Sludge Thickener	IWP0 - 7	43	16-Feb-22	30-Mar-22	57									
ES0002190	M&E Installation of Sludge Thickener	IWP0 - 7	173	31-Mar-22	19-Sep-22	16						- - - -			
Workshop												- - - -			
ES0001560	Excavation for Workshop	IWP0 - 7	7	25-Nov-21	01-Dec-21	55						-			
ES0001570	Construction of Workshop	IWP0 - 7	190	02-Dec-21	09-Jun-22	53									
ES0001580	Architectural Finishes for Workshop	IWP0 - 7	70	06-May-22	14-Jul-22	51									
Inspection Corr	idor											-			
ES0001590	Piling for Elevated Walkway	IWP0 - 7	36	15-Dec-20	19-Jan-21	177									
ES0001600	Excavation for Inspection Corridor	IWP0 - 7	260	26-Mar-21	10-Dec-21	19									
ES0001610	Construction of Inspection Corridor	IWP0 - 7	458	12-Apr-21	13-Jul-22	3									
ES0001620	Architectural Finishes for Inspection Corridor	IWP0 - 7	85	' 14-Jul-22	06-Oct-22	4									
	and Central Chiller Plant Building											-			
ES0001430	Excavation for Main Electrical and Central Chiller Plant Building	IWP0 - 7	20	18-Jan-21	06-Feb-21	35									
ES0001440	Construction of Main Electrical and Central Chiller Plant Building	IWP0 - 7	235	01-Feb-21	23-Sep-21	28									
ES0001440	Architectural Finishes for Main Electrical and Central Chiller Plant Building	IWP0 - 7	75	24-Sep-21	07-Dec-21	20									
				· ·											
ES0002260	M&E Installation of LV/HV Cabling and Field Panels	IWP0 - 7	300	08-Dec-21	03-Oct-22	2						-			
Guard House												-			
ES0001490	Excavation for Guard House at Main Gate	IWP0 - 7	7	05-Nov-21	11-Nov-21	98									
ES0001500	Construction of Guard House at Main Gate	IWP0 - 7	140	12-Nov-21	31-Mar-22	98						-			
ES0001510	Architectural Finishes for Guard House at Main Gate	IWP0 - 7	69	01-Apr-22	08-Jun-22	98						- - - -			
ES0001520	Excavation for Guard House near Pier	IWP0 - 7	8	08-Dec-21	15-Dec-21	44									
ES0001530	Construction of Guard House near Pier	IWP0 - 7	158	17-Dec-21	23-May-22	43									
ES0001540	Architectural Finishes for Guard House near Pier	IWP0 - 7	72	24-May-22	03-Aug-22	42						-			
CO2 Tank		, i i i i i i i i i i i i i i i i i i i										-			
ES0001370	Filling to Formation for CO2 Tanks Area	IWP0 - 7	13	01-Nov-21	13-Nov-21	86									
ES0001380	Construction of CO2 Tanks Area	IWP0 - 7	109	15-Nov-21	03-Mar-22	86									
ES0002170	M&E Installation of CO2 Tank	IWP0 - 7	88	04-Mar-22	30-May-22	184									
Diesel Emerger	ncy Generator														
ES0002250	M&E Diesel Emergency Generator	IWP0 - 7	57	09-Apr-22	04-Jun-22	64									
Switch Room a	nd Transformer Installation														!
ES0002300	M&E Installation of HV/LV Switchroom and Transformer	IWP0 - 7	227	23-Feb-22	07-Oct-22	133									
Summary Bar	Early Bar	Page 3 of 4									:				
	y Critical Bar	J													Pro

e o	Tseu	ng Kv	van C) Desa	alinat	ion Pl	ant																								ř						0	7-Sep	o-21
) Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	20 Jun		Aug	Sep	Oct	No	ov D	ec	Jan	Feb	Ma	r Apr	May	_)22 Jul	Aug	Sep	Oct	Nov	Dec	Jan I	Feb N	Mar Ap	20 r May)23 Jun	Jul	Aug	Sep	Oct
																				-				r 1 1 1					T 1 1 1							1			
												1	1	1		Exc	avat	ion	for C	Ŋn-s	ite C	hlorin	e Ge	herat	tion B	Buildir	ŋg	1 1 1 1								1	1		
																				Çon	struc	tion o	f On-	site C	hlori	ne G	enera	ation	Builc	ling							1		
												1 1 1 1 1								1		Arcl	hitectu	iral F	inish	es fo	r On-	site (hlor	ine G	enera	tion E	Building			1			
												1 1 1 1								- - - -			1 1 1 1	1	– N	∕I&E	Instal	ation	ofC)n-site) Chlo	rine (Genera	tiọn B	hilding	J	 		
																				-																 			
												1	1		Exca	avai	tion	and	ELS	5 for	Pos	t Trea	tment	t Buik	ding											 			
																			Со	nstr	uctio	n of P	ost Ti	eatm	hent E	Buildi	ng			- - 							1		
												- - - - - -										vrchite						eatm	nent l	Buildir	na					1			
		1										1 1 1 1													1			1 1 1				reatm	nent Sys	atom		1	1		
																									1			11130			USL II	cau	ient Oy.	siem		1			
													- - - -	 		xca	avatio	on a	and I	ELS		Sludge				- - - - -	- - - -	 	 	' ' ' '						 	 		
														1							Cor	struc	ion o	fSluc	dge T	hicke	ener												
												1 1 1 1 1									1	Aro	hitec	tural	Finis	hes f	or Slu	ldge	Thic	kener						1	1		
												1 1 1 1 1										-	 	1 1 1	1	-		M&E	Inst	allatio	n of S	ludģe	e Thicke	ener		1			
																												1 1 1 1								1			
																		Exc	ava	tion	for V	Vorksl	юр													1			
																 				 -				– C	onst	ructic	on of \	Nork	shop))							<u> </u> 		 !
																										Archi	tectur	al Fir	hishe	s for \	Works	shop							
							Pilin	n for F	Elevat	ted \	Valkv	vav																1 1 1 1 1								1			1
											vanu	ray	1 1 1 1							btio	for	lhono	otion	Corri	idor		- - - -	1 1 1 1 1	1 1 1 1							1			
													 	 				<u>ب</u>	xcav			Inspe	cuon	Com												 	 		; ; ; ;
													1 1 1	1									1 1 1	1		ons	tructio				n Corri					 	1		
																											1		rchite	ctura	l Finisl	hesif	or Inspe	ection	Corric	lor			
																																				1			
							∎ E	xcava	ation f	for N	lain E	lectr	ical a	nd C	entra	alC	hiller	Pla	ant B	Buildi	ng															1	1		
													1		Cor	nstr	uctic	n o	of Ma	in E	lectri	cal an	d Ce	ntral	Chille	r Pla	int Bu	ilding											
																		Arc	chite	ctur	al Fir	nishes	for N	lain E	Electr	ical a	nd C	entra	al Chi	iller Pl	ant Bu	uilding]				1		
		1										1 1 1 1 1	 								1	1	1 1 1 1	1 1 1	1 1 1		1	Ma	åE In	stalla	tion of	LV/H	IV Cab	ling ar	nd Fiel	d Pa	nels		
														 						-			 													 	 		
																	Exc	ava	ation	for	Gua	rd Ho	use a	t Mai	in Ga	te										 			
																				- - -	1		nstru	ction	ofG	uard	Hous	se at	Mair	Gate						 	1		
												: : : : :																, , , ,				e at	Main G	ate		<mark> </mark> 			
												1 1 1 1 1	 					1 6		votic	n for	Gua					411 II II				, nous			ale		1			
																			xca	lauc		Gua		1 1 1		1					6					1			
																				1				Con	struc			 			r Pier					- - - - - - - - - - - - - - - - - - -			
																										Ar	chite	ctura	l Finis	shes	or Gu	ard F	louse r	near P	ier				
														1									1					1 1 1 1								 			
						·											Filli	ng t	to Fo	orma	ation	for CO)2 Ta	nks /	Area				 	+	·L				· · · · · · · · · · · · · · · · · · ·	 			
																1				1	¢ c	onstr	lictior	of C	02 1	anks	Area												1
												1 1 1 1 1	1 1 1 1							1				M8	E Ins	stalla	tion o	fCO	2 Tar	hk									
																				1								1 1 1 1			, , 1 1 1 1 1 1 1 1								
																				-			1 1 1	M	&E D	iesel	Eme	rgen	cy G	enera	itor								
																							 						, • 							 	 		
																												N /	18F I	nstall	ation o	of HV/	/LV Swi	chroc	man	d Tre	nsfor	mer	
													1			-				1							1									a nd			
																_																				88			



3/WSD/17							Design, Build and Operate First Stage of Tseung Kw	Kwan O Desalination Plant		07-
vity ID	Activity Name	Calendar	Original Duration	Early Start	Early Finish	Total Float	2020	2021	2022	2023
Miscellaneou			Duration				Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep	Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec J	an Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan	Feb Mar Apr May Jun Jul Aug S
Miscenarieou	,									
ES0001630	Remaining Architectural Finishes for All Buildings	IWP0 - 7	249	17-May-22	20-Jan-23	115				Remaining Architectural Finishes for
ES0001640	External Process and Non-Process Pipe	IWP0 - 7	539	27-May-21	16-Nov-22	0			External !	Process and Non-Process Pipe
ES0001650	Drainage and Cable Duct	IWP0 - 7	274	28-Oct-21	28-Jul-22	1			Drainage and Cable Duct	
ES0001660	Slope Mitigation and Maintenance Access	IWP0 - 7	540	29-Sep-21	22-Mar-23	5				Slope Mitigation and Main
ES0001670	Landscaping Works	IWP0 - 7	398	26-Mar-22	27-Apr-23	16				Landscaping Works
ES0002290	M&E PV Panels	IWP0 - 7	113	12-Apr-22	02-Aug-22	51			M&E PV Panels	
ES0002310	M&E Chiller & Irrigation System Installation	IWP0 - 7	374	08-Dec-21	16-Dec-22	108			M&E	Chiller & Irrigation System Installation
ES0002350	M&E Installation of Surge Vessel	IWP0 - 7	265	27-May-22	15-Feb-23	24				M&E Installation of Surge Vesse
ES0002360	M&E Installation of Flowmeter Pit	IWP0 - 7	67	27-May-22	01-Aug-22	52			M&E Installation of Flowme	eter Pit
ES0002370	M&E Installation of Static Mixer Pit	IWP0 - 7	37	08-Jun-22	14-Jul-22	70			M&E Installation of Static Mixe	r Pit
ES0002380	M&E Installation of Drainage Pit	IWP0 - 7	31	11-May-22	10-Jun-22	57			M&E Installation of Drainage Pit	
ES0002390	M&E Installation of Thickened Sludge Holding Tank	IWP0 - 7	39	07-Mar-22	14-Apr-22	161			M&E Installation of Thickened Sludge Holdin	gTank
Statutory Sub	mission & Inspection	, 		1						
ES0002330	Statutory Submission & Inspection	IWP0 - 7	1255	03-Dec-19	10-May-23	14				Statutory Submiss
Testing and C	ommissioning									
ES0002400	M&E Precomissioning	IWP0 - 7	280	30-Jun-22	05-Apr-23	0				M&E Precomissioning
ES0002410	M&E Commissioning	IWP0 - 7	256	03-Aug-22	15-Apr-23	0				M&E Commissioning
ES0002420	M&E Performance Test	IWP0 - 7	118	16-Apr-23	11-Aug-23	0				M

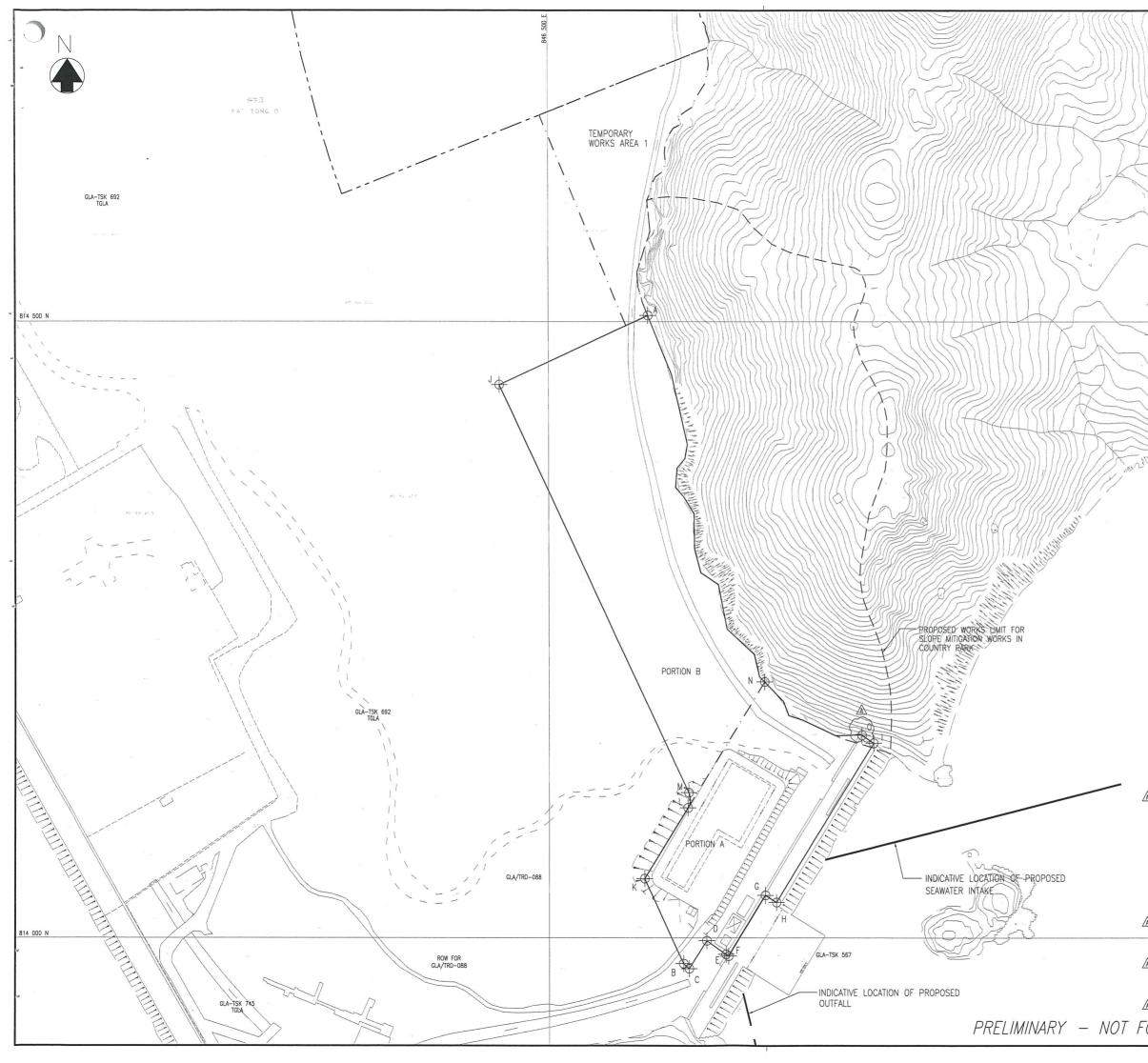
Summary Bar Early Bar	Page 4 of 4
Actual Summary Critical Bar	
Actual Work Milestone	





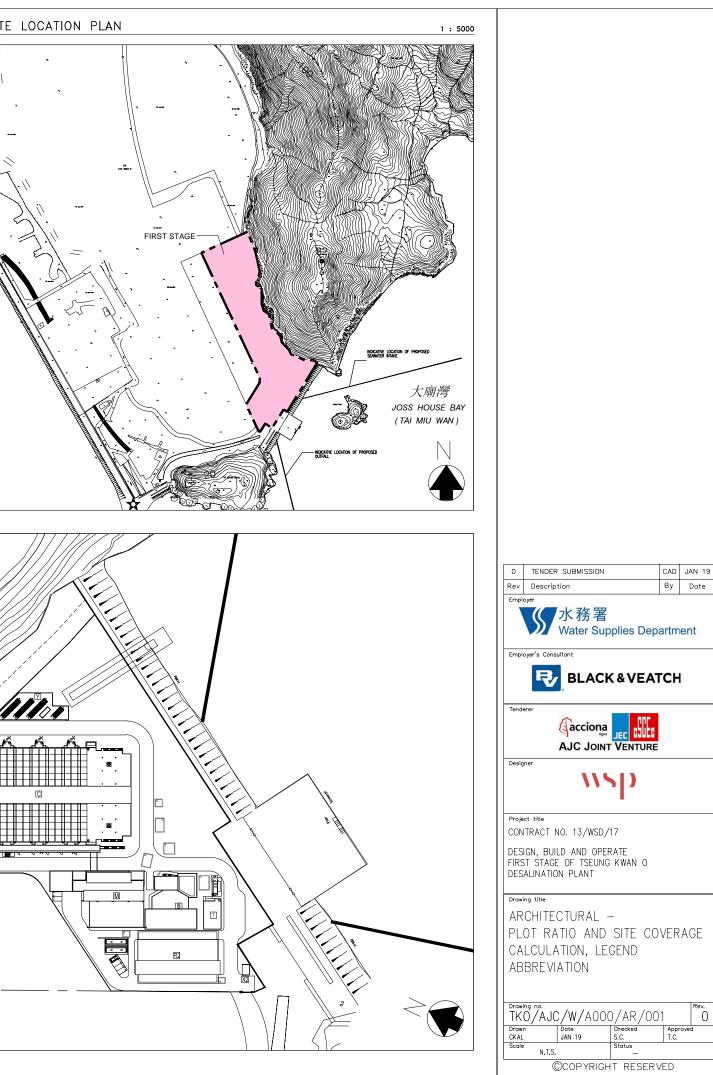
Appendix B

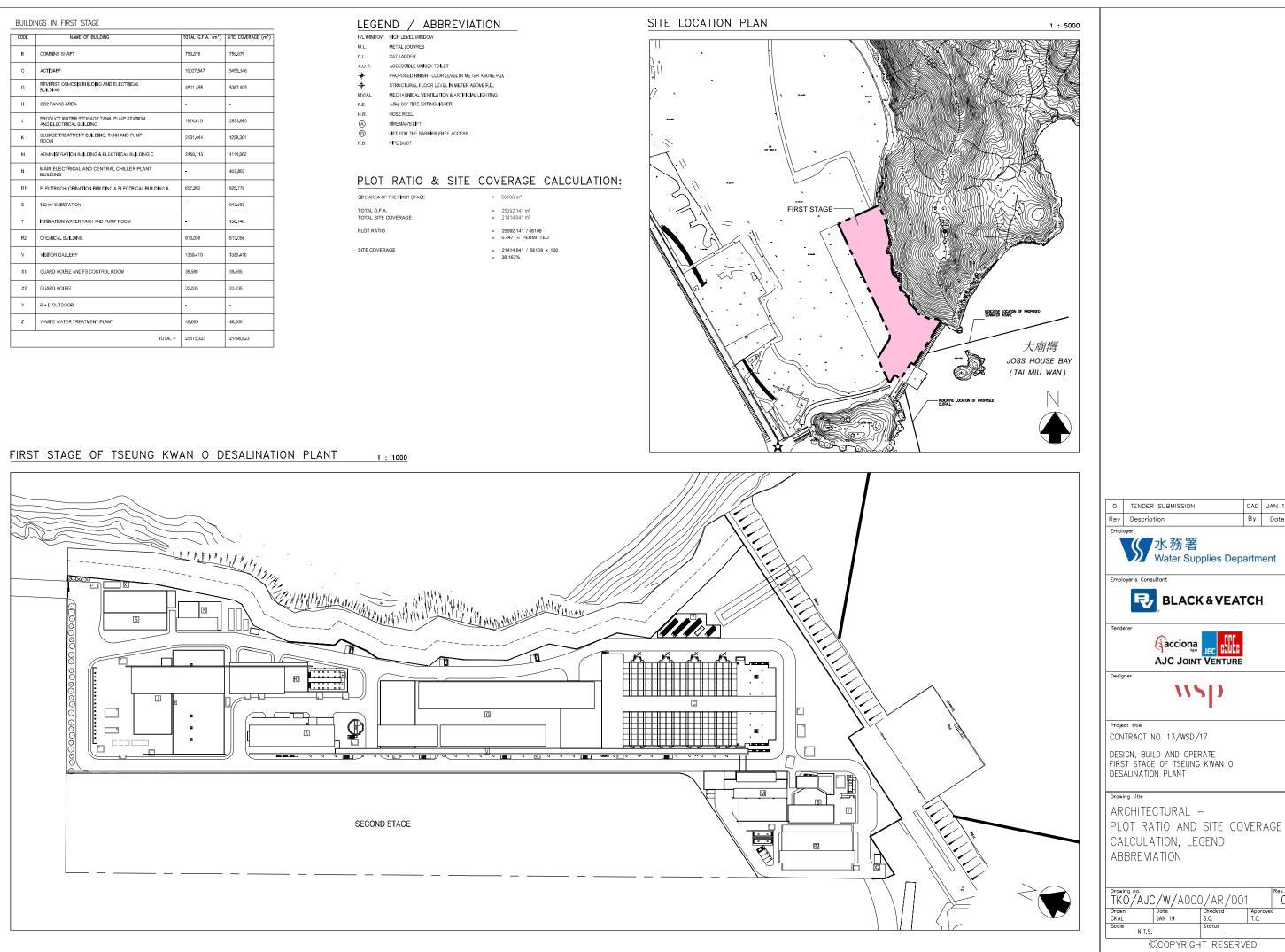
Overview of Desalination Plant in Tseung Kwan O



	1	1.7	11/17-	///	C Copyright by Black & Vertch Hong Kong Limited
847-000	1	14	1)))		LEGEND:
	1	11	SS1 /		BOUNDARY OF SENT
	())))/	[]//		LANDFILL EXTENSION BOUNDARY OF WORKS AREA FOR
	1		1º		TKO DESALINATION PLANT
))			HHL.		GLA-TSK 692 TGLA 692
$\langle \langle \rangle$	4	tt	H.	>	NOTE: TEMPORARY WORKS AREA 1 WILL BE
+	_	K			HANDED OVER AT +6 MPD WITH A TOLERANCE OF ±500mm.
1		2	>)))////	<u> </u>	
1	/			1177	
	-	//	////	1111	
1		//	15		
7	1	/	716		
17	$\langle \rangle$		-ll'	AHB	
				JUN	
1	1	1/			
1	1		(.	ME	
1	/	11			
Y	1	5	\square	STIM	
1)		////////	
1	110	This .			
11111	Ŵ		1 Milegins	Mua	
					B 10/03 UPDATE NOTES YLC
					A 07/18 UPDATE COORDINATES YLC Revision Date Description Initial
					Designed Checked Drawn Checked
					Initial YLC CKH SZ WLS Date 02/18 02/18 02/18 02/18
					Approved
					ansmallo
					Agreement No. CE 8/2015 (WS)
	ſ	POINT	EASTING	NORTHING	Contract No.
		А	846581.93	814505.03	13/WSD/17
		В	846610.11	813979.23	Contract Title DESIGN. BUILD AND OPERATE
	1		010010.11		
		С	846614.73	813975.12	DESIGN, BUILD AND OPERATE FIRST STAGE OF TSEUNG KWAN O DESALINATION PLANT
		C D		813975.12 813997.84	FIRST STÁGE OF TSEUNG KWAN O DESALINATION PLANT
		_	846614.73		DESALINATION PLANT
		D	846614.73 846629.09	813997.84	DESALINATION PLANT
A (D E	846614.73 846629.09 846644.75	813997.84 813986.74	DESALINATION PLANT
	· · · · · · · · · · · · · · · · · · ·	D E F	846614.73 846629.09 846644.75 846646.80	813997.84 813986.74 813985.28	DESALINATION PLANT
	· · · · · · · · · · · · · · · · · · ·	D E F G	846614.73 846629.09 846644.75 846646.80 846646.80 846677.24	813997.84 813986.74 813985.28 814034.67	DESALINATION PLANT Drowing Title SITE HANDOVER WORKS AREAS Drowing No. Revision
		D E F G H	846614.73 846629.09 846644.75 846646.80 846677.24 846686.56	813997.84 813986.74 813985.28 814034.67 814028.89	DESALINATION PLANT Drowing Title SITE HANDOVER WORKS AREAS Drowing No. 190495/K/TEND/10/0003 B
		D E F G H	846614.73 846629.09 846644.75 846646.80 846646.80 846677.24 846686.56 846766.21	813997.84 813986.74 813985.28 814034.67 814028.89 814158.11	DESALINATION PLANT Drowing Title SITE HANDOVER WORKS AREAS Drowing No. Revision
		D E F G H J	846614.73 846629.09 846644.75 846646.80 846677.24 846686.56 846766.21 846459.65	813997.84 813986.74 813985.28 814034.67 814028.89 814158.11 814448.83 814048.11 814405.63	DESALINATION PLANT Drowing Title SITE HANDOVER WORKS AREAS Drowing No. 190495/K/TEND/10/0003 B Scele A1 1 : 1500 A3 1 : 3000 水務署
		D E F G H I J	846614.73 846629.09 846644.75 846646.80 846677.24 846686.56 846766.21 846766.21 846459.65 846578.45	813997.84 813986.74 813985.28 814034.67 814028.89 814158.11 814448.83 814048.11	DESALINATION PLANT Drowing Title SITE HANDOVER WORKS AREAS Drowing No. 190495/K/TEND/10/0003 B Scole A1 1 :: 1500 A3 1 :: 3000 水務署 Water Supplies
		D E F G H I J K L	846614.73 846629.09 846644.75 846646.80 846677.24 846686.56 8466766.21 8466578.45 8466578.45 846613.89	813997.84 813986.74 813985.28 814034.67 814028.89 814158.11 814448.83 814048.11 814405.63	DESALINATION PLANT Drowing Title SITE HANDOVER WORKS AREAS Drowing No. 190495/K/TEND/10/0003 B Scele A1 1 : 1500 A3 1 : 3000 水務署
		D F G H J K L M	846614.73 846629.09 846644.75 846646.80 846677.24 846686.56 8466766.21 846659.65 846578.45 846613.89 846614.60	813997.84 813986.74 813985.28 814034.67 814028.89 814028.89 814158.11 814448.83 814048.11 814405.63 814117.96	DESALINATION PLANT Drowing Title SITE HANDOVER WORKS AREAS Drowing No. 190495/K/TEND/10/0003 B Scole A1 1 :: 1500 A3 1 :: 3000 水務署 Water Supplies

CODE	NAME OF BUILDING	TOTAL G.F.A. (m ²)	SITE COVERAGE (m ²)
В	COMBINE SHAFT	759.876	759.876
с	ACTIDAFF	10027.547	5455 <u>.</u> 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
٧	VISITOR GALLERY	1330.410	1330.410
X1	GUARD HOUSE AND FS CONTROL ROOM	39.585	39.585
X2	GUARD HOUSE	22.035	22.035
Y	R + D OUTDOOR	-	-
z	WASTE WATER TREATMENT PLANT	48.000	48.000
	TOTAL =	25175.323	21498.023







Appendix C

Summary of Implementation Status of Environmental Mitigation



EIA	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Agent	Imple Stage			Implementation	Relevant Legislation & Guidelines
Reference	Mitigation Measures	main concerns to address	implementation rigent	D	С	0	status	
Air Quality							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)		•		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)		•		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)		•		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)		•		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)		~		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)		•		Implemented	
S4.8.1	Road sections between vehicle-wash areas and vehicular entrance will be paved.	Land site/ During Construction	Contractor(s)		~		Implemented	



EIA	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Agent	Imple Stage		ation	Implementation	Relevant Legislation & Guidelines
Reference	Mitigation Measures	main concerns to address	implementation Agent	D	C	0	status	
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)	•	•		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)		•		Implemented	
\$4.8.1	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)		~		Implemented, reminder issued.	
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)		•		N/A	
S4.8.1	All exposed areas will be kept wet always to minimise dust emission.	Land site/ During construction	Contractor(s)		~		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)		•	v	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	



EIA	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation Agent	Imple Stage		ation	Implementation	Relevant Legislation & Guidelines
Reference	Mitigation Measures	main concerns to address	Implementation Agent	D	С	0	status	
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)		~		Implemented	

Note: D – Design stage C – Construction O – Operation



EIA	Recommended Environmental Protection	Objectives of the recommended measures &	Implementation	Implen Stage	nentat	tion	Implementation status	Relevant Legislation
Referen	ce Measures/ Mitigation Measures	main concerns to address	Agent	D	С	0		& Guidelines
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)		•		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)		~		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)		~		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)		~		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)		•		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)		•		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)		•		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	Noise control/ During construction	Contractor(s)		*		N/A	A Practical Guide for the Reduction of Noise from Construction Works,



	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation	Imple Stage	menta	tion	Implementation status	Relevant Legislation & Guidelines
Reference	Measures/ Miligation Measures	main concerns to address	Agent	D	С	0		& Guidennes
	no openings or gaps.							
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)		√		N/A	the Reduction of Noise from
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)	~	•		Implemented	the Reduction of Noise from
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)		✓		N/A	the Reduction of Noise from
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)	✓	•		N/A	
\$5.9	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)	·	√		N/A	



EIA	Recommended Environmental Protection	Objectives of the recommended measures &	Implementation	Imple Stage	menta	tion	Implementation status	Relevant Legislation
Reference	Measures/ Mitigation Measures	main concerns to address	Agent	D	С	0		& Guidelines
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)		~		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 (ET)		~		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)/ Environmental Team (ET) & Independent Environmental Checker (IEC)		~		Implemented	-

Note: D – Design stage C – Construction O – Operation



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to	Implementation Agent	Impler Stage	nentat	ion	Implementation status	Relevant Legislation & Guidelines
	Measures/ Miligation Measures	address	Agent	D	С	0		Guiueimes
Water Quality								
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)		*		N/A	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)		1		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)		•		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	-
\$6.9	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)		•		Implemented, reminder issued.	-
\$6.9	No soil waste is allowed to be disposed overboard.	Marine Dredging/ During construction	Contractor(s)		•		N/A	-



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to	Implementation Agent	Imple Stage	ementat	ion	Implementation status	Relevant Legislation & Guidelines
	Measures/ Miligation Measures	address	Agent	D	С	0		Guidennes
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)		•		Implemented, rectified after observation	ProPECC PN 1/94 TM Standard under the WPCO
\$6.9	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)		·		Implemented	-
S6.9	Appropriate surface drainage will be designed and provided where necessary.	Land site & drainage/ During construction	Contractor(s)		•		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)	v	·		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)		·		N/A	-



EIA Reference	Recommended Environmental Protection	Objectives of the recommended measures & main concerns to	implementation	Impler Stage	nentati	ion	Implementation status	Relevant Legislation & Guidelines
	Measures/ Mitigation Measures	address	Agent	D	С	0		Guidelines
\$6.9	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)		•		Implemented	-
\$6.9	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)		1		Implemented	-
\$6.9	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)		1		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)		1	•	N/A	Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems Inland and Coastal Waters
\$6.9	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)		•	•	N/A	Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems Inland and Coastal Waters



EIA Reference	Recommended Environmental Protection	Objectives of the recommended measures & main concerns to	d Implementation	Implen Stage	nentati	on	Implementation status	Relevant Legislation & Guidelines -
	Measures/ Mitigation Measures	address	Agent	D	С	0		
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)		~	*	Implemented, reminder and observation issued. Rectified after observation.	-
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)/ Environmental Team (ET) & Independent Environmental Checker (IEC)		~		Implemented	-

Note: D – Design stage C – Construction O – Operation



EIA Reference	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation	Imple Stage	mentat	ion	Implementation Status	Relevant Legislation &
	Mitigation Measures	main concerns to address	Agent	D	С	0		Guidelines
Waste Manage							-	
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 mobilisation/ 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 mobilisation/ 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)		•	•	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 <i>"ETWB TC(W) No. 19/2005, Environmental</i> <i>Management on Construction Sites"</i> 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
\$8.5	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)				N/A	Chapters 2 & 3 Code of Practice on the Packaging, Labelling & Storage of Chemical Wastes published under the Waste Disposal Ordinance (Cap 354), Section 35
S8.5	Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors.	Land site/ During construction	Contractor(s)		~		Implemented, Reminder Issued,	Waste Disposal Ordinance (Cap 354)



EIA Reference	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation	Impleı Stage	nentat	ion	Implementation Status	Relevant Legislation &
	Mitigation Measures	main concerns to address	Agent	D	С	0		Guidelines
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			√		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			√		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	-
S8.5	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)		•		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 observation issued.	-
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	-
\$8.5	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 <i>ETWB TC(W)</i> No.	Marine works/ During construction	WSD/ Contractor(s)		~		Implemented	ETWB TC(W) No. 34/2002 and Dumping at Sea



EIA Reference	Recommended Environmental Protection Measures/	Objectives of the recommended measures &	Implementation	Impler Stage	nentat	ion	Implementation Status	Relevant Legislation &
	Mitigation Measures	main concerns to address	Agent	D	С	0		Guidelines
	<i>34/2002</i> will be incorporated in the Specification of the Contract Documents.							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 mobilisation/ 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 mobilisation/ 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)		•		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)		√		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	-
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	Land site/ During	Contractor(s)		1		Implemented.	Air Pollution Control



EIA Reference	Mitigation Measures	Objectives of the recommended measures &	Implementation	Implei Stage	mentat	ion	Implementation Status	Relevant Legislation & Guidelines
		main concerns to address	Agent	D	С	0		
	construction wastes on-site should be covered with tarpaulin or similar fabric.	Construction, particularly dry season					Reminder issued.	(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		√	•	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
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		~	√	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
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			•	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
S8.5	Storage areas for chemical waste shall be enclosed on at least 3 sides.	All area/ During construction/ During operation	Contractor(s)/ WSD			•	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
\$8.5	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		✓	•	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
S8.5	Storage areas for chemical waste shall have adequate ventilation.	All area/ During construction/ During operation	Contractor(s)/ WSD		√	•	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation	Implei Stage	nentat	ion	Implementation Status	Relevant Legislation &
		main concerns to address	Agent	D	С	0		Guidelines
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		-	•	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
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		-	•	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
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		✓	√	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
\$8.5	Adequate number of waste containers will be provided to avoid over-spillage of waste.	All area/ During construction/ During operation	Contractor(s)/ WSD		√	√	Implemented	DEVB TC(W) No. 8/2010 Enhanced Specification for Site Cleanliness and Tidiness.
\$8.5	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		-	√	Implemented	-
S8.5	Recycling bins will be provided at strategic locations within the Site to facilitate recovery of recyclable materials (including aluminium 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		-	-	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)		1		Implemented	-
S8.5	The burning of refuse on construction sites is prohibited by law.	All area/ During construction	Contractor(s)		1		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	All facilities/ During construction	ET/ IEC		•		Implemented	-



FIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	recommended measures &	Implementation Agent	Implementation Stage			Implementation Status	Relevant Legislation &
				D	C	0		Guidelines
	implemented throughout the construction phase.							

Note: D – Design stage C – Construction O – Operation



		Objectives of the	Implementation	Impler	mentat	ion	Implementation	Relevant Legislation &	
	Mitigation Measures	recommended measures &	Agent	Stage		1	Status	Guidelines	
		main concerns to address	rigent	D	C	0		Guidennes	
	Ecology					1		1	
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)	Ŷ	•		Implemented	-	
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)		1		Implemented		
\$9.7	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-</i> <i>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)	~	✓		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)	V	•		Implemented	-	
\$9.7	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)		•		N/A	-	



		Objectives of the recommended measures &	Implementation	Implementation Stage			Implementation Status	Relevant Legislation & Guidelines	
	5	main concerns to address	Agent	D	С	0		Guidennes	
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	-	
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)/ Environmental Team (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)		•		N/A	-	
\$9.7	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	-	

Note: D – Design stage C – Construction O – Operation



EIA	Recommended Environmental Protection Measures/ Mitigation	Objectives of the recommended	Implementation			ation	Implementation Status	Relevant
Reference	Measures	measures & main concerns to address	Agent	D	C	0		Legislation & Guidelines
	Landscape & Visual							
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)	-	-	~	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)	•	√	~	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 (ie 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)	·	~	✓	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)	•	•	•	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 &	Any slope mitigation works necessary to address natural terrain	All area/ Detailed	WSD/	✓	✓	✓	N/A	



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

Note: D – Design stage C – Construction O – Operation



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation	Stage	1	ation	Implementatior Status	n Relevant Legislation & Guidelines
		main concerns to address	Agent	D	С	0		
	Landfill Gas Hazard							
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/ During operation	Contractor(s)	-	✓		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 metre.	All area/ Detailed design/ During construction/ During operation	Contractor(s)	•	✓	~	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/ During operation	Contractor(s)	×	×	-	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/ During operation	Contractor(s)	•	•	~	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	All area/ Detailed design/ During construction/ During operation	Contractor(s)	•	•	`	Implemented	



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation		ementa	ation	Implementation Status	Relevant Legislation &
		main concerns to address	Agent	D	C	0		Guidelines
	physical contact with it.							
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/ During operation	Contractor(s)	~	•	•	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/ During operation	Contractor(s)	•	•	•	Implemented	
S12.7	Proceed drilling with adequate care and precautions against the potential hazards which may be encountered.	All area/ Detailed design/ During construction/ During operation	Contractor(s)	~	-	-	Implemented	
\$12.7	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, supervisors responsibilities, storage and use of safety equipment, safety procedures and signs, barriers and guarding). The site supervisor and all operatives must be familiar with this statement.	All area/ During construction/ During operation	Contractor(s)	V	V	•	Implemented	



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation	-	ementa	ation	Implementatior Status	Relevant Legislation &
EIA Kelei ence		main concerns to address	Agent	D	C	0		Guidelines
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/ During 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/ During operation	Contractor(s)	✓	~	√	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/ During operation	Contractor(s)	×	~	•	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	All area/ Detailed design/ During construction/ During operation	Contractor(s)	•	•	•	Implemented	



EI/	A Reference	Recommended Environmental Protection	recommended measures &	Implementation	Imple Stage D	 	Relevant Legislation & Guidelines
		being minimized on-site.					

Note: D – Design stage C – Construction O – Operation



Appendix D

Impact Monitoring Schedule of the Reporting Month

		Contract No. 13/WS	D/17 Design, Build and Operat EM&A Water Quality Aug	_	
· · · · · · · · · · · · · · · · · · ·		T			Fri
un	2 2	Tue 3	Wed 4	Thu 5	6
	2	Impact Water Quality monitoring for CE, CF, WSR1, WS WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 05:26 - 13:00 Flood Tide: 13:00 - 19:00 <u>Monitoring Time:</u> Mid-ebb: 08:00 - 10:58* Mid-flood: 14:15 - 17:45		Imp. Water Quality monitoring for WSR4, WSR16, WSR <u>Tidal Pr</u> Ebb Tide: 06 Flood Tide: 1 <u>Monitorin</u> Mid-ebb: 08 Mid-flood: 15	act CE, CF, WSR1, WSR2, WSR3, 33, WSR36, WSR37 <u>riod:</u> :16 - 14:26 4:26 - 21:00 <u>Bg Time:</u> :36 - 12:06
	9	10	11	12	13
		Impact Water Quality monitoring for CE, CF, WSR1, WS WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 10:05 - 17:03 Flood Tide: 17:03 - 23:43 <u>Monitoring Time:</u> Mid-ebb: 11:49 - 15:19 Mid-flood: 17:23 - 19:00 \$&#</td><td></td><td>Imp. Water Quality monitoring for WSR4, WSR16, WSR <u>Tidal Pr</u> Ebb Tide: 11 Flood Tide: 0 <u>Monitorin</u> Mid-ebb: 12 Mid-flood: 08:1</td><td>CE, CF, WSR1, WSR2, WSR3, 33, WSR36, WSR37 <u>riod:</u> :00 - 18:05 5:00 - 11:00 <u>Ig Time:</u> :47 - 16:17</td></tr><tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr><tr><td></td><td></td><td>Impact Water Quality monitoring for CE, CF, WSR1, WS WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 04:00 - 11:01 Flood Tide: 11:01 - 18:37 <u>Monitoring Time:</u> Mid-ebb: 08:00 - 10:39 *\$# Mid-flood: 13:04 - 16:34</td><td></td><td>lmp. Water Quality monitoring for WSR4, WSR16, WSR <u>Tidal P</u> Ebb Tide: 05 Flood Tide: 1 <u>Monitorin</u> Mid-ebb: 08 Mid-flood: 15</td><td>CE, CF, WSR1, WSR2, WSR3, 33, WSR36, WSR37 <u>riod:</u> :53 - 14:00 4:00 - 21:06 <u>g Time:</u> :11 - 11:41</td></tr><tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr><tr><td></td><td></td><td>Impact Water Quality monitoring for CE, CF, WSR1, WS WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 10:16 - 17:00 Flood Tide: 17:00 - 23:59 <u>Monitoring Time:</u> Mid-ebb: 11:53 - 15:23 Mid-flood: 17:20 - 19:00\$&#</td><td>82,</td><td>Imp. Water Quality monitoring for WSR4, WSR16, WSR <u>Tidal P.</u> Ebb Tide: 11 Flood Tide: 0 <u>Monitorin</u> Mid-ebb: 12 Mid-flood: 08:0</td><td>act CE, CF, WSR1, WSR2, WSR3, 33, WSR36, WSR37 <u>riod:</u> :38 - 17:41 5:00 - 11:38 <u>grime:</u> :54 - 16:24</td></tr><tr><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>Impact Water Quality monitoring for CE, CF, WSR1, WS WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 03:00 - 11:28 Flood Tide: 11:28 - 23:59 <u>Monitoring Time:</u> Mid-ebb: 08:00 - 11:02 \$# Mid-flood:15:58 - 19:00&</td><td></td><td></td><td></td></tr></tbody></table>			

Remarks: Monitoring Parameters: Dissolved oxygen, Temperature, pH, Turbidity, Salinity, Suspended Solids

Note: * - Due to safety concern of vessel transportation earlier than 0700, Water Quality Monitoring would start at 0800. \$ - Since predicted tide is shorter than 3.5 hours, method of 90% tidal period as monitoring time is adopted. & - Due to safety concern for sampling event in night-time, method of 90% tidal period as monitoring time is approached and end at 1900. # - Prioritized routing: Mid-Ebb: CE→WSR16→WSR37→WSR36→WSR33→Remaining stations and Mid-Flood: CF→WSR1→WSR2→WSR3→WSR4→Remaining stations

Sat
7
Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 07:31 - 15:31 Flood Tide: 15:31 - 22:00 <u>Monitoring Time:</u> Mid-ebb: 09:46 - 13:16
Mid-flood: 17:00 - 19:00&#</th></tr><tr><th></th></tr><tr><th>14</th></tr><tr><th>Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide:14:00 - 19:10 Flood Tide: 07:00 - 14:00 <u>Monitoring Time:</u> Mid-ebb: 14:50 - 18:20 Mid-flood: 08:45 - 12:15</th></tr><tr><th>21</th></tr><tr><th>Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 07:44 - 15:00 Flood Tide: 15:00 - 22:16 <u>Monitoring Time:</u> Mid-ebb: 09:37 - 13:07 Mid-flood: 16:53 - 19:00&</th></tr><tr><th>28</th></tr><tr><th>Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 13:00 - 18:25 Flood Tide: 06:27 - 13:00 <u>Monitoring Time:</u> Mid-ebb: 13:57 - 17:27 Mid-flood: 08:00 - 11:28 *</th></tr><tr><th></th></tr><tr><th></th></tr><tr><th></th></tr></tbody></table>



Appendix E

Event/Action Plan for Noise Exceedance



Event	Act	ion						
	ЕТ		IEC		ER		Со	ntractor
Action Level	1.	Carry out investigation to identify the source and cause of the	1.	Review the analyzed results submitted by the ET	1.	Confirm receipt of Notification of Exceedance in writing	1.	Submit noise mitigation proposals if required, to the IEC and ER
		complaint/ exceedance(s)	2.	Review the proposed remedial	2.	Require Contractor to propose	2.	Implement noise mitigation
	2.	Notify IEC, ER, and Contractor and report the results of investigation		measures by the Contractor and advise the ER accordingly		remedial measures for the analysed noise problem		proposals.
		to the Contractor, ER and the IEC	3.	Supervise the implementation of	3.	Ensure remedial measures are		
	3.	Discuss with the Contractor and		remedial measures		properly implemented		
		IEC for remedial measures required						
	4.	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						





Appendix F

Noise Monitoring Equipment Calibration Certificate (BLANK)



(BLANK)



Appendix G

Event/Action Plan for Water Quality Exceedance



Event		Act	tion	
	ET	IEC	SO	Contractor
Action level being exceeded by one sampling day	Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC and Contractor; Repeat measurement on next day of exceedance. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the SO accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with IEC on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented. (The above actions should be taken within 1 working day after the exceedance is identified)	Inform the SO and confirm notification of the non- compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and SO within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Action level being exceeded by more than one consecutive sampling days	Identify source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC and Contractor; Ensure mitigation measures are implemented; Prepare to increase the monitoring frequency to daily; Repeat measurement on next working day of exceedance. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the SO accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)	Discuss with IEC on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)	Inform the SO and confirm notification of the non- compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and SO within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after Action Level being exceeded by two consecutive sampling days)



Event		Act	tion	
	ET	IEC	SO	Contractor
Limit level	Inform the SO and confirm	Discuss with ET and	Discuss with IEC, ET and	Inform the SO and confirm
being exceeded		Contractor on the mitigation	Contractor on the proposed	notification of the non-
by one	compliance in writing;	measures;	mitigation measures;	compliance in writing;
sampling day	Rectify unacceptable practice;	Review proposals on	Request Contractor to	Rectify unacceptable practice;
	Check all plant and	mitigation measures submitted	critically review the working	Check all plant and
	equipment;	by Contractor and advise the	methods;	equipment;
	Consider changes of working	SO accordingly;	Make agreement on the	Consider changes of working
	methods;	Assess the effectiveness of	mitigation measures to be	methods;
	Discuss with Contractor, IEC	the implemented mitigation	implemented.	Discuss with ET, IEC and SO
	and SO and propose	measures.	Assess the effectiveness of	and propose mitigation
	mitigation measures to IEC	(The above actions should be	the implemented measures.	measures to IEC and SO
	and SO within 3 working days;	taken within 1 working day	(The above actions should be	within 3 working days;
	Implement the agreed	after the exceedance is	taken within 1 working day	Implement the agreed
	mitigation measures.	identified)	after the exceedance is	mitigation measures.
	(The above actions should be		identified)	(The above actions should be
	taken within 1 working day			taken within 1 working day
	after the exceedance is			after the exceedance is
	identified)			identified)



Event		Act	tion	
	ET	IEC	SO	Contractor
Limit level being exceeded by more than one consecutive sampling days	Identify source(s) of impact; Inform IEC, Contractor and EPD; Check monitoring data, all plant, equipment and Contractor's working methods. Discuss mitigation measures with IEC, SO and Contractor. Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days. (The above actions should be taken within 1 working day after Limit Level being exceeded by two consecutive sampling days)	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the SO accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after Limit Level being exceeded by two consecutive sampling days)	Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented measures. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit level. (The above actions should be taken within 1 working day after Limit Level being exceeded by two consecutive sampling days)	Inform the SO and confirm notification of the non- compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET, IEC and SO and propose mitigation measures to IEC and SO within 3 working days; Implement the agreed mitigation measures; As directed by the SOR, to slow down or to stop all or part of the marine work or construction activities. (The above actions should be taken within 1 working day after Limit Level being exceeded by two consecutive sampling days)



Appendix H

Waste Flow Table

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

Appendix H – MA11 Construction Waste Reduction

		Total Quantity		Actual Qua	ntities of Inert C&D	Materials Genera	ted Monthly								
	Total Quantity Generated	Generated	Excavated Material		No	n-excavated Mater	rial			Actual Quantities	ies of C&D Wastes Generated Monthly				
Month	(1)	(Excluded Excavated Material)	Total Quantity Generated	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed in sorting facility	Broken Concrete of construction waste collected by	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse		
	(al)	(a2)	(b)	(c)	(d)	(e)	(f)	recycling company (g)	(h)	(1)	(i)	(k)	(1)		
	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)		
Jan-2020	-	-	-	-	-	-	-	-	-	-	-	-	-		
Feb-2020	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mar-2020	0.420	0.420	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.420		
Apr-2020	2.400	2.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.400		
May-2020	18.470	18.470	0.000	0.000	0.000	0.000	0.000	0.000	5.900	0.000	0.000	0.000	12.570		
Jun-2020	1116.110	1116.110	0.000	0.000	0.000	0.000	1081.950	0.000	0.000	0.000	0.000	0.000	34.160		
Jul-2020	758.120	758.120	0.000	0.000	0.000	0.000	724.360	0.000	0.000	0.000	0.000	0.000	33.760		
Aug-2020	203.150	203.150	0.000	0.000	0.000	0.000	161.080	0.000	0.000	0.000	0.000	0.000	42.070		
Sep-2020	105.926	105.926	0.000	0.000	0.000	0.000	0.000	0.000	22.766	0.000	0.010	0.000	83.150		
Oct-2020	46.320	46.320	0.000	0.000	0.000	0.000	0.000	0.000	7.050	0.040	0.020	0.000	39.210		
Nov-2020	71.815	71.815	0.000	0.000	0.000	0.000	0.000	0.000	5.351	0.030	0.014	0.000	66.420		
Dec-2020	12934.194	12934.194	0.000	0.000	12860.314	0.000	0.000	0.000	9.912	0.030	0.018	0.000	63.920		
Total	15256.925	15256.925	0.000	0.000	12860.314	0.000	1967.390	0.000	50.979	0.100	0.062	0.000	378.080		

Monthly Summary Waste Flow Table

Total C&D waste generated	15256.925	Tonnes	(ie: al = b+c+d+e+f+g+h+i+j+k+l)
Total C&D waste generated (excluded excavated materials)	15256.925	Tonne	(ie: a2 = c+d+e+f+g+h+i+j+k+l)
Total Recycled C&D Waste	12911.455	Tonne	(ie: a3 = c+d+g+h+i+j)
% of recycled C&D Waste for BEAM Plus MA 11	84.63%		(ie: a3/a2 x 100%)

Notes:

(1) metal, paper & plastic were collected by recycler

(2) The performance target of waste recycling are specified in the Contract.

(3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

(4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.

(5) Broken concrete for recycling into aggregates

(6) Excavated materials/waste will NOT be considered as part of construction waste. It should be excluded in the calculation

(7) Disposal of inert waste to public fill or sorting facilities will <u>NOT</u> be considered as recycled waste.



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

Appendix H - MA11 Construction Waste Reduction

Name of Department: WSD

Contract No.: 13/WSD/17

				y Summar	y music			<u>()</u> ()()))			
		Actual Quan	tities of Inert C&I	D Materials Genera	ted Monthly			Actual Quantities	of C&D Wastes (Fenerated 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	11823.060	0.000	0.000	11816.130	6.930	0.000	0.000	0.000	0.000	0.000	73.960
Feb	434.090	0.000	0.000	434.090	0.000	0.000	14.767	0.123	0.008	0.000	45.080
Mar	91.710	0.000	0.000	0.000	91.710	0.000	0.002	0.155	0.010	0.000	122.940
Apr	0.000	0.000	0.000	0.000	0.000	0.000	28.931	0.057	0.002	0.000	89.450
May	1557.500	0.000	0.000	0.000	1557.500	0.000	0.005	0.108	0.009	0.000	70.750
Jun	4278.380**	0.000	0.000	0.000	4278.380**	0.000	0.001	0.088	0.005	0.000	91.540
Sub-total	18184.740	0.000	0.000	12250.220	5934.520	0.000	43.706	0.530	0.034	0.000	493.720
Jul	365.150	0.000	0.000	0.000	365.150	0.000	0.003	0.120	0.005	0.000	65.770
Aug *	42.340	0.000	0.000	0.000	42.340	0.000	0.000	1.260	5.510	0.000	74.070
Sep											
Oct											
Nov											
Dec											
Total	18592.230	0.000	0.000	12250.220	6342.010	0.000	43.709	1.910	5.549	0.000	633.560

Monthly Summary Waste Flow Table for <u>2021 (year)</u>

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

* The data will be reviewed in the next reporting month.

** The data has been updated in this month.



Appendix I

Site Inspection Proforma



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

WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST

Inspection Date: <u>03</u>	108/2021 -:35 - 17.00	§	Inspected by:	ET:	reviene Lai	SO: _Kay	mond kok	WSD:	NIA
Weather Condition	Sunny	Fine	Overcast	Drizzle	Rain	Storm	Hazy		
Temperature	28 C		Humidity	High	Moderate	Low			
Wind	Calm	Light	Breeze	Strong					

Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
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?		\square		
0.02	,	Is ET Leader's log-book kept readily available for inspections?				
1.00		Construction Dust				Ousry materials
1.01	S4.8.1	Are dusty materials, such as excavated materials, building debris and construction materials, and exposed earth surface properly covered to prevent dust emission?				view left net to init alust anis on Lammution.
1.02	S4.8.1	Are screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty construction works for dust suppression?				water sproying
1.03	S4.8.1	Are fumes or smoke emitting plants or construction activities shielded by a screen?				wo-fume/
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	S4.8.1	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?				paved.
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?				No dump trucks
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 activity on site?		\mathbf{r}		
1.12	S4.8.1	Does the operation of plants on site free form dark smoke emission?				/nkmm laber



Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.			-			
1.13	S4.8.1	Are vehicles travelling at speed not exceeding 15km/hr within the site?				
	S4.8.1	Are stock of more than 20 bags of cement or day PFA covered or sheltered on top and 3 sides?	\square			
	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?				
2.00		Construction Noise (Airborne)				
	S5.7	Are quiet plants adopted on site?		\square		/OME LINIA
2.02	S5.7	Are the PMEs operating on site well-maintained to minimize the generation of excessive niose?		/		laber / Regul Ur hspection
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?				6 No nearing
2.05	S5.7	Are moveable barriers provided to screen NSRs from plant or noisy operations?				NSR.
2.06	S5.7	Are silencers, mufflers and enclosures provided to plants?		Ξ		
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?			I	
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 site?	1			
2.11	S5.7	Are valid noise emission label(s) affixed to all air compressors operating on site?	1			
2.12	S5.7	Are all construction noise permit(s) applied for percussive piling work?	1			Next 1
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				
	S6.9	Is effluent discharge license obtained for wastewater discharge from site?		\square		
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?		/		

03/08



Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
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?		/		
3.06	S6.9	Is surface runoff diverted to sedimentation facilities?		\square		
3.07	S6.9	Is the drainage system properly maintained?		\square		runinder(1)
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	R			
		potential of soil erosion?				
3.10	S6.9	Are temporary access roads protected by crushed gravel?		\square		
3.11	S6.9	Are exposed slope surface properly protected?		\square		hydroseoling.
3.12	S6.9	Is trench excavation avoided in the wet season as far as practicable, or if necessary,				Landers
		backfilled in short sections after excavation?		/		2
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?		Z		
3.15	S6.9	ls oil leakage or spillage prevented?				0175(1)
3.16	S6.9	Are there any measures to prevent the release of oil and grease into the storm				<i>c</i> .1
		drainage system?				065(1)
3.17	S6.9	Are the oil interceptors/ grease traps properly maintained?	Ń			
3.18	S6.9	Are debris and rubbish generated on site collected, handled and disposed of properly				
		to avoid them entering the streams?				reminder (1)
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		\square		
		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?	\square			
3.24	S6.9	Is suitable type of silt curtains deployed during dredging to reduce the elevation of				NO arealying
		suspended solids to nearby sensitive receivers?				No arealging activities
3.25	S6.9	Is closed grab dredger used to reduce the potential leakage of sediments?				Y



Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
3.26	S6.9	Is closed grab dredger of 3 to 6 m ³ used for dredging at seawater intake?				4
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 ³ closed				7
		grab, 10-11 grab per hour for 6m ³ closed grab?				и
3.28	S6.9	Is the grab operated in slow and controlled manner such that the impact to seabed by				V
		the grab when being lowered could be minimized? Is the operator ensured the grab be				U
3.29	\$6.0	properly closed before lifting the grab? Is the maximum allowed dredging rate at the seawater intake limited to 750 m ³ /day				
0.20	30.9	while the maximum allowed dredging rate at the submarine outfall is 3,500 m ³ /day?	/			~/
3.30	S6.9	Is dredged marine sediment disposed of in a gazetted marine disposal area in				No mariar
		accordance with marine dumping permit conditions of the Dumping at Sea Ordinance				No marine dumping observed
		(DASO)?				0
3.31	S6.9	Are disposal vessels fitted with tight bottom seals in order to prevent leakage of				1/
2.20	04.0	material during transport?				4
3.32	\$6.9	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?				N N
3.33	S6.9	Are excess materials cleaned from decks and exposed fittings before the vessel is			1	
0.00	50.9	moved from the dredging area after dredging?				У
3.34	S6.9	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	-			2
		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	S6.9	Is the contractor shall regularly inspect the silt curtains and check that they are		\square		
		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?				
0.00	30.9	Are an vessels have a clean banast system?		\square		
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?				
			L			р. — — — — — — — — — — — — — — — — — — —



Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
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?				
4.02	S8.5	Is a recording system implemented to record the amount of wastes generated, recycled and				
		disposed of?		/		
4.03	S8.5	IS the Contractor registered as a chemical waste producer?				
4.04	S8.5	Are 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	\$8.5	Are all containers for chemical waste properly labelled?				
4.00	00.5		Lanner	Ľ		
4.08	58.5	Is chemical waste storage area used solely for storage of chemical waste and properly labelled?		\square		
1.00	0.0.5			E		
4.09	\$8.5	Are incompatible chemical wastes stored in different areas?	\square			
4.10	C0 5				L	
4.10	56.5	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				
	50.5	the largest container or of 20% by volume of the chemical waste stored in that area,		6		
		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?		1		
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?	[]			
	3			/		
4.15	S8.5	Are appropriate measures adopted to minimize windblown litter and dust during		\square		cause lade
		transportation of waste?		/		reminder 1)
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?		\square		talated a bar
4.40	00.5			1		roloar, motal
4.18	58.5	Are C&D waste disposed of properly?				
4.40	C0 =					
4.19	58.5	Are unused C&D materials or chemicals recycled or reused to reduce the quantity of waste?				
1 20	C 0 5		_/	<u> </u>		
4.20	38.3	Are public fill and C&D waste reuse on site as far as practicable to avoid disposal off-site?				



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

Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
	1					
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?				
				/		
			1			1
5.00		Landscape and Visual				
5.01		Are Is site hoarding provided?				
	& 11.11		6			
5.02	S11.10 &	Are vegetation disturbance minimized or soil protected to reduce potential soil erosion?				
	11.11					
5.03	S11.10 &	ls construction light oriented away from the sensitive receivers?				
	11.11					
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 &	Is excavation works carried out manually instead of machinery operation within 2.5m				
		vicinity of any preserved trees?				
5.07		Are the retained and transplanted tree(s) properly protected and in good conditions?				
	11.11					
5.08		Are surgery works carried out for damaged trees?				
5.00	11.11	Are surgery works carried out for damaged nees:				
6.00		Destern				
1.1000-0000000		Ecology				
6.01	59.7	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?				
				l		
6.04	S9.7	Are construction works restricted to works area which are clearly defined?				
				1		·
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		1		
		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	Are 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	1			
		alignment of flexible barriers positioned at mininmum 1.5 m in a radius away from these				
		individuals?				
6.08	S9.7	At the detailed design stage prior to the commencement of the slope mitigation works, is				
		vegetation survey carried out at the slope mitigation areas within the Clear Water Bay		1		·

23/08



Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.			NA	Tes	NO	r noto/ Kemarks
		Country Park to assess the condition and identify the location of each individual of				
		Marsdenia lachnostoma and other flora species of conservation interest that may be directly				
		affected by the construction works?				
6.09	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?				
6.10	S9.7	Is a specification for fencing and demarcating individuals of Marsdenai lachnostoma (or				
00000000		other flora species of conservation interest, if found) adjacent to the proposed alignment of				
		the flexible barriers prepared to protect the species?	Harrison and			
6.11	\$9.7	Is any induction training provided to all site personnel in order to brief them on this flora of				
0.11	57.7	conservation interest including the locations and their importance?				
0.40	00.7					
6.12	\$9.7	Is the resident site supervisory staff closely monitor the conditions of concerned				
		individuals during construction of flexible barriers in the close proximity?				1
6.13	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?		\Box		
6.14	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?		/		
6.15	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?				
6.16	S9.7	Are temporarily affected areas reinstated, particularly the habitats of plantation and				
11 000040564		shrubland-grassland immediately after completion of construction works, through on-site				
		tree/shrub planting?				
6.15	\$9.7	Are affected habitats within the Clear Water Bay Country Bay reinstated by hydro-seeding				
0.10	57.7	and planting of climbers and native shrub seedlings where practical upon completion of the				
		slope mitigation works?		L		
7.00		Landfill Gas Hazard				
	S12.7	Are the safety procedures implemented to minimise the risks of fires and explosions,	\square			
7.01	512.7		/			
		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?				
			6	L		
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				
	51217	and presented on the site throughout the works undertaken below grade?	\square			
		and presented on the site throughout the works undertaken below grade?	1			
	a.c					
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	1			
		physical contact?	·			



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

Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
7.06	S12.7	Is the monitoring of landfill gas being undertaken in all excavations, manholes, chambers and any confined spaces?	\square			
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?	\square			
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?	1			
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	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?	\square			
8.00 8.01		Overall Is the EM&A properly implemented in general?				

03/08



Acuity Sustainability Consulting Limited

Unit C, 11/F., Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon T: 2333-6823 | F: 2333-1316 | E: genera@acuityhk.com | www.acuityhk.com

Remark / Follow up of Observation(s) and Non-compliance(s) of Last Weekly Site Inspection: (1) chemilars were not placed inside a drip tray at product water storage Avea. observation (S) Reminderly (1) Houseleeping was reminded at the temporary gatty nallah (General). Signatures: ET Contractor's Supervising Officer's WSD's IEC's Representative Representativ Representative Representative Representative NOA (Name: Charlene (Name: Brian Kam (Name: MAY) (Name: (Name:) Lai lou 3 Ay 2021. 03/08



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

WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST

Inspection Date:			Inspected by: ET: Unavicine Lea Contractor: Bridge Kenne			SO: Reymonal Edewso: N/A IEC: Louis Eman					
Inspection Time: 14:	30-17-00			Contractor.	ring kein		~				
Weather											
Condition	Sunny	Fine	Overcast	Drizzle	Rain	Storm					
Temperature	30 .C		Humidity	High	Moderate	Low					
Wind	Calm	Light	Breeze	Strong							

ltem No.	EIA ref.		N/A	Yes	No	Photo/Remarks	
0.00		General					
0.01		Is the current Environmental Permit displayed conspicuously at all vehicle site		\square			
		entrances/exits for public's information at any time?					
0.02		Is ET Leader's log-book kept readily available for inspections?		\square			
1.00		Construction Dust				1	
1.01	S4.8.1	Are dusty materials, such as excavated materials, building debris and construction			\square	busey motorials where bept wet to	
		materials, and exposed earth surface properly covered to prevent dust emission?	×			Unit about ewith	00
1.02	S4.8.1	Are screenings, enclosures, water spraying or vacuum cleaning devices provided to				Keppler motor	
		dusty construction works for dust suppression?		\square		sympthe was	
				L <u>~</u>	L	Constituted.	
1.03	S4.8.1	Are fumes or smoke emitting plants or construction activities shielded by a screen?				no fume/smoke	
		<				no fume/smole ensiting plant	
				L	have been a	Constitution ashi	inels
1.04	S4.8.1	Are wheel-washing facilities with high-pressure water jets provided at all site exits?				Construction orthing	
1.05	S4.8.1	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?					
	e non			/			
1.07	S4.8.1	Are all main haul roads inside the site paved or sprayed with water to minimize dust				1 m al al	
		emission during vehicle movement?				powed	
1.08	S4.8.1	Are water spraying provided immediately prior to any loading or transfer of dusty				regular ovorter	
		materials?		20			mt
1.09	S4.8.1	Are covers provided to all dump trucks carrying dusty materials when entering and		- al		No other truly	· · ·
		leaving the site?	-	Ser.		abserved	
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 activity		\square			
		on site?		<i>«</i>			
1.12	S4.8.1	Does the operation of plants on site free form dark smoke emission?		\square		- NRMM Fales	
				LI			

10/08

Page 1 of 9



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

Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
1.13	S4.8.1	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?				
1.15	S4.8.1	Are de-bagging, batching and mixing processes of bagged cement carried out in sheltered areas?	\square			
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?	1 AND	T		
2.00		Construction Noise (Airborne)				
	S5.7	Are quiet plants adopted on site?				/ moise label
2.02	S5.7	Are the PMEs operating on site well-maintained to minimize the generation of excessive niose?				/ poice label
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?				4 No really
2.05	S5.7	Are moveable barriers provided to screen NSRs from plant or noisy operations?				JNSK
2.06	\$5.7	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?				
2.09	S5.7	Are noisy operation properly scheduled to minimize exposure and cumulative impacts to nearby sensitive receivers?	ľ			
2.10	S5.7	Are valid noise emission label(s) affixed to all hand-held breakers operating on site?				
2.11		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?	\square			
2.13	S5.7	Are construction noise permit(s) applied for general construction works during restricted hours?		\square		
2.14	S5.7	Are valid construction noise permit(s) displayed at all vehicular exits?				
3.00		Water Quality				
	S6.9	Is effluent discharge license obtained for wastewater discharge from site?				
3.02		Is effluent discharged according to the effluent discharge license?		/		3
3.03	S6.9	Is wastewater discharge from site properly treated prior to discharge?		\square		

(0/08

Page 2 of 9



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

tem	EIA ref.		N/A	Yes	No	Photo/Remarks
10.						
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?		/		
3.06	S6.9	Is surface runoff diverted to sedimentation facilities?				
3.07	S6.9	Is the drainage system properly maintained?				yannineler (1
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	S6.9	Are temporary access roads protected by crushed gravel?		1		
3.11	S6.9	Are exposed slope surface properly protected?				/hy dusteding
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	S6.9	Is runoff from wheel-washing facilities avoided?				
3.15	S6.9	Is oil leakage or spillage prevented?		\square		
3.16	S6.9	Are there any measures to prevent the release of oil and grease into the storm				
		drainage system?				
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?				remander (1)
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?		1		
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	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?	\square			
3.24	S6.9	Is suitable type of silt curtains deployed during dredging to reduce the elevation of				nonsitto
		suspended solids to nearby sensitive receivers?				manine barges
	S6.9	Is closed grab dredger used to reduce the potential leakage of sediments?				

10/08

Page 3 of 9



Acuity Sustainability Consulting Limited

Unit C, 11/F., Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon T: 2333-6823 | F: 2333-1316 | E: genera@acuityhk.com | www.acuityhk.com

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

Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
3.26	S6.9	Is closed grab dredger of 3 to 6 m ³ 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 ³ closed grab, 10-11 grab per hour for 6m ³ closed grab?	2			~/
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?				
3.29	S6.9	Is the maximum allowed dredging rate at the seawater intake limited to 750 m ³ /day while the maximum allowed dredging rate at the submarine outfall is 3,500 m ³ /day?	\square			£ 2
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)?				No rotatione aux peraio J anne sectiment abserved
3.31	S6.9	Are disposal vessels fitted with tight bottom seals in order to prevent leakage of material during transport?				¥
3.32		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?	Ļ			
3.33	S6.9	Are excess materials cleaned from decks and exposed fittings before the vessel is moved from the dredging area after dredging?				4
3.34		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		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?				7
3.36		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		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?				
		Are all vessels well maintained and inspected before use to limit any potential discharges to the marine environment?				
3.40		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?				

10108



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

Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
4.00		Waste Management				
	S8.5	Is a trip-ticket system implemented to monitor the disposal of C&D and solid wastes at public filling facilities and landfills?		Ż		-
4.02	S8.5	Is a recording system implemented to record the amount of wastes generated, recycled and disposed of?				
4.03	S8.5	IS the Contractor registered as a chemical waste producer?				
4.04	S8.5	Are 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?		\square		
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?		Z		
4.12	S8.5	Are a routine cleaning and maintenance programme implemented for drainage systems, sump pits, and oil interceptors?				Venindercy
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?		7		reminder (1)
4.15	S8.5	Are appropriate measures adopted to minimize windblown litter and dust during transportation of waste?				Veminder (1)
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	\$8.5	Are C&D wastes sorted on site?		(
4.18	S8.5	Are C&D waste disposed of properly?		1		
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 off-site?		1		

10108



ltem	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
	1				<u></u>	
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	-	Landssons and Viewal	1			
	S11.10	Landscape and Visual				
0.01		Are Is site hoarding provided?				
	& 11.11		4			
5.02	the second second	Are vegetation disturbance minimized or soil protected to reduce potential soil erosion?				
	11.11					
5.03		Is construction light oriented away from the sensitive receivers?				
	11.11					
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?		ł		
	11.11			6		
5.06	S11.10 &	Is excavation works carried out manually instead of machinery operation within 2.5m				
	1	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		Ecology		Lange and the second		
6.01		Is site runoff properly treated to prevent any silly runoff?				
0.01	57.7	is she runor property reated to prevent any siny runor?				
0.00						
6.02	59.7	Are silt trap installed and well-maintained?				
				Ц		
6.03	S9.7	Are stockpiles properly covered to avoid generating silty runoff?				
				\checkmark		
6.04	S9.7	Are construction works restricted to works area which are clearly defined?				
				\Box		
6.05		For slope mitigation works within the Clear Water Bay Country Park, are tree felling and				
9		damages to trees, the exact locations of the flexible barrier foundation plates, soil nails and		\square		
		rock dowels adjusted during detailed design, and a setback distance from existing trees is				
		recommended to be maintained as far as practical?				
6.06		Are pruning of tree canopies along the alignment of the flexible barriers limited to a				
		ninimum?	(
6.07	S9.7	Are the alignment of flexible barriers optimized to preserve all species of conservation				
		nterest 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				
		ndividuals?				
6.08		At the detailed design stage prior to the commencement of the slope mitigation works, is				
		vegetation survey carried out at the slope mitigation areas within the Clear Water Bay		(



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

Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
		Country Park to assess the condition and identify the location of each individual of				
	8	Marsdenia lachnostoma and other flora species of conservation interest that may be directly				
		affected by the construction works?				2
6.09	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?				
6.10	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				
0.11	007	the flexible barriers prepared to protect the species?				
6.11	59.7	Is any induction training provided to all site personnel in order to brief them on this flora of		\square		
		conservation interest including the locations and their importance?	Ł			
6.12	\$9.7	Is the resident site supervisory staff closely monitor the conditions of concerned				
	~ ~ ~	individuals during construction of flexible barriers in the close proximity?				
6.13	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?				
6.14	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?				
6.15	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?				
6.16	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?				
6.15	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				
7.00	8	slope mitigation works?				
7.00	G12 7	Landfill Gas Hazard	[]			
7.01	S12.7	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?		1		
						•
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?		1		
						×

1018



Acuity Sustainability Consulting Limited

Unit C, 11/F., Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon T: 2333-6823 | F: 2333-1316 | E: genera@acuityhk.com | www.acuityhk.com

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

ltem No.	EIA ref.		N/A	Yes	No	Photo/Remarks
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.		
7.08	S12.7	Is the drilling proceeded with adequate care and precautions against the potential hazards?		Ź		
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			
	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?				
	S12.7	Are the warning signs of the hazards of landfill gas and its possible presence on site posted in prominent places?		7		
8.00		Overall		1		
8.01		Is the EM&A properly implemented in general?				

1018



Acuity Sustainability Consulting Limited

Unit C, 11/F., Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon T: 2333-6823 | F: 2333-1316 | E: genera@acuityhk.com | www.acuityhk.com

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: observationly PD ana mar Chrimiterils were not placed UD Water Storage Ang Reminderes (bunner) (1) Housekeeping was reminded at the nullah hand bouttmention area near (3) staguent water trapped at the sump pit of near to exclibert area, and the material storage and strauld be cleaned regularly. Signatures: Supervising Officer's IEC's WSD's ET Contractor's Representative Representative Representative Representative Representative N/n (Name: Oharlene (Name: NA (Name) Nan K (Name:)) an wing Lai 10 12 202 Kivan

10/8



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

í	17 WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST										
1.	8/08/2021 14:30-17-0	0	Inspected by:	ET: Contractor:	havline (au- Brian Fanz	SO: RAY	mond kok js kiyan	WSD:			
Weather	1			2007 E.C.							
Condition	Sunny	Fine	Overcast	Drizzle	Rain	Storm	Hazy				
Temperature	<u>32</u> ,c		Humidity	High	Moderate	Low					
Wind	Calm	Light	Breeze	Strong							

ltem	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?		\square		
1.00	-	Construction Dust				pust, materials
1.01	S4.8.1	Are dusty materials, such as excavated materials, building debris and construction materials, and exposed earth surface properly covered to prevent dust emission?				Comparied to comp
1 02	S4.8.1	Are screenings, enclosures, water spraying or vacuum cleaning devices provided to				dulit emission
	5	dusty construction works for dust suppression?		\square		nctersprying
1.03	S4.8.1	Are fumes or smoke emitting plants or construction activities shielded by a screen?				no fume (smole conthing plant / construction autimities
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	S4.8.1	Are road section near the site exit free from dusty material?		\square		
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?		\square		raved tspryed
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?				Nodump trucks
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 activity on site?		/		
1.12	S4.8.1	Does the operation of plants on site free form dark smoke emission?		1		/NKMM lake

1-7108

Page **1** of **9**



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

Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
1.13	S4.8.1	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?				
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	ls open burning prohibited?				
2.00		Construction Noise (Airborne)				
2.01	S5.7	Are quiet plants adopted on site?		\square		/ Noise laber
2.02	S5.7	Are the PMEs operating on site well-maintained to minimize the generation of excessive niose?		\square		/ Mise (abel /repularinspectio)
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 No nearby
2.05	S5.7	Are moveable barriers provided to screen NSRs from plant or noisy operations?) NSK.
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?				
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 site?				
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?		\square		
	S5.7	Are valid construction noise permit(s) displayed at all vehicular exits?				
3.00		Water Quality				
	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?		\square		
3.03	S6.9	Is wastewater discharge from site properly treated prior to discharge?		\square		



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

Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
3.04	S6.9	Are perimeter channels provided to intercept storm runoff from outside the site?		\square		
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?				
3.06	S6.9	Is surface runoff diverted to sedimentation facilities?		\square		
3.07	S6.9	Is the drainage system properly maintained?		\square		
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	S6.9	Are temporary access roads protected by crushed gravel?		1		
3.11	S6.9	Are exposed slope surface properly protected?		/		hydroseceling.
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?		\square		
3.13	S6.9	Are open stockpiles of construction materials on site covered by tarpaulin or similar				10 10 10 10 10 10 10 10 10 10 10 10 10 1
		fabric during construction?				
3.14	S6.9	Is runoff from wheel-washing facilities avoided?		\square		
3.15	S6.9	ls oil leakage or spillage prevented?		\Box		(Jup tray
3.16	S6.9	Are there any measures to prevent the release of oil and grease into the storm				
		drainage system?				2
3.17	S6.9	Are the oil interceptors/ grease traps properly maintained?	\square			
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?		\square		
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	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?		/		reminder U) No dredyny observed
3.24	S6.9	Is suitable type of silt curtains deployed during dredging to reduce the elevation of				na dreduni
		suspended solids to nearby sensitive receivers?	(opproved
3.25	S6.9	Is closed grab dredger used to reduce the potential leakage of sediments?				Y



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

Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
3.26	S6.9	Is closed grab dredger of 3 to 6 m ³ used for dredging at seawater intake?	N			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 ³ closed				
		grab, 10-11 grab per hour for 6m ³ closed grab?				9
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				5
		properly closed before lifting the grab?				
3.29	S6.9	Is the maximum allowed dredging rate at the seawater intake limited to 750 m ³ /day				
0.00	0.6.0	while the maximum allowed dredging rate at the submarine outfall is 3,500 m ³ /day?		J		4
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				V
0.04	0.6.0	(DASO)?				
3.31	S6.9	Are disposal vessels fitted with tight bottom seals in order to prevent leakage of				NO dismu
0.00	0.6.0	material during transport?		L	L	No disroal A disaged moteria
3.32	S6.9	Are barges filled to a level which ensures that material does not spill over during			\square	asserved
		transport to the disposal site and that adequate freeboard is maintained to ensure that			L]	V
0.00	0.6.0	the decks are not washed by wave action?				,
3.33	\$6.9	Are excess materials cleaned from decks and exposed fittings before the vessel is				
0.04	0.0	moved from the dredging area after dredging?				4
3.34	\$6.9	Are the contractor(s) confirmed that the works cause no visible foam, oil, grease,		\square		
		litter or other objectionable matter to be present in the water within and adjacent			L	
2.25	06.0	to the dredging site?				
3.35	56.9	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			I	-1
3.36	000	the hold or a hopper?				
5.50	50.9	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	7			1/
3.37	86.0	generated by turbulence from vessel movement or propeller wash? Is the contractor shall regularly inspect the silt curtains and check that they are				
0.07	30.9	moored and marked to avoid danger to marine traffic? Is regular inspection on the		\square		
		integrity of the silt curtain carried out by the contractor and any damage to the silt			l	
		curtain shall be repaired by the contractor promptly?				
3.38	\$6.9	Are all vessels have a clean ballast system?		/		
0.00	50.7	Are an vessels have a clean banast system?		\square		
3.39	\$6.9	Are all vessels well maintained and inspected before use to limit any potential				
5.00	50.7	discharges to the marine environment?		\square		4
3.40	\$6.9	Is any discharge of sewage/grey wastewater? Is wastewater from potentially		No. 1		
J. 10	50.7	contaminated area on working vessels should be minimized and collected?				
3.41	\$6.9	Is any soil waste disposed overboard?				
J. T I	50.7	is any son waste disposed overboard?				

1718

Page 4 of 9



Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.	5					
4.00		Waste Management		908910		
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?				
4.02	S8 5	Is a recording system implemented to record the amount of wastes generated, recycled and				
	00.0	disposed of?	2			
4.03	58.5	IS the Contractor registered as a chemical waste producer?				
	50.5	to the contractor registered us a chemical waste producer:				
4.04	S8.5	Are chemical waste separated from other waste and collected by a licensed chemical waste				7
		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?				
			1-			-
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?				
			1			
4.10	S8.5	Is the chemical waste storage area enclosed on at least 3 sides and adequately ventilated?				
				1		
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,		\square		
		sump pits, and oil interceptors?				
4.13	S8.5	Are sufficient general refuse disposal/collection points provided on site?				
	<u>00 5</u>			Ц	J	
4.14	58.5	Is general refuse disposed of properly and regularly?		\square		
1 15	005			<u> </u>		
4.15	30.2	Are appropriate measures adopted to minimize windblown litter and dust during transportation of waste?		\square		
4.16	58 5	Are individual collectors for aluminum cans, plastic bottles and packaging material and		<u>لتا</u>	L]	
4.10	00.5	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?				
		and any or property.		1		
4.19	S8.5	Are unused C&D materials or chemicals recycled or reused to reduce the quantity of				
		waste?	1			
4.20	S8.5	Are public fill and C&D waste reuse on site as far as practicable to avoid disposal off-site?				
				1		
L						



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

ltem	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
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		Landscape and Visual				
5.01	S11.10	Are 1s site hoarding provided?		·		
	& 11.11					
5.02	S11.10 &	Are vegetation disturbance minimized or soil protected to reduce potential soil erosion?		<u> </u>		
	11.11			/		
5.03	S11.10 &	Is construction light oriented away from the sensitive receivers?				
	11.11					
5.04	S11.10	Is grass hydroseeding provided to slopes as soon as the completion of works?				
	& 11.11		T	/		
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	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		Ecology				
6.01		Is site runoff properly treated to prevent any silly runoff?				
6.02	S9.7	Are silt trap installed and well-maintained?]			
			2	/		
6.03	S9.7	Are stockpiles properly covered to avoid generating silty runoff?		A		
		property control of a role generating any ration.	Date	11		
6.04	S9.7	Are construction works restricted to works area which are clearly defined?				
		the second of th				
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				
		minimum?				
6.07	S9.7	Are 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	/	Charl		
		alignment of flexible barriers positioned at mininmum 1.5 m in a radius away from these		A		
		individuals?	/			
6.08	S9.7	At the detailed design stage prior to the commencement of the slope mitigation works, is		Th		
		vegetation survey carried out at the slope mitigation areas within the Clear Water Bay		/		

1718

. Page 6 of 9



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

ltem No.	EIA ref.	· · · · · · · · · · · · · · · · · · ·	N/A	Yes	No	Photo/Remarks
		Country Park to assess the condition and identify the location of each individual of Marsdenia lachnostoma and other flora species of conservation interest that may be directly affected by the construction works?				
6.09	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?				
6.10		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?	\square			
6.11	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?				
6.12	S9.7	Is the resident site supervisory staff closely monitor the conditions of concerned individuals during construction of flexible barriers in the close proximity?	\square			
6.13	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?		/		
6.14	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?		\square		1
6.15	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?		\square		
6.16	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?	Ż	M		
6.15	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?	\square			
7 .00 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?		1		
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?		1		

1718

Page **7** of **9**



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

ltem	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
7.06	S12.7	Is the monitoring of landfill gas being undertaken in all excavations, manholes, chambers and any confined spaces?		\square		
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?		/		
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?		\square		
	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?	\square	-		
	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?				
	S12.7	Are the warning signs of the hazards of landfill gas and its possible presence on site posted in prominent places?		\square		
8.00		Overall		1	1999 - 1999 - 1999 - 1999 - 1999	
8.01		Is the EM&A properly implemented in general?		\square		



Acuity Sustainability Consulting Limited

Unit C, 11/F., Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon T: 2333-6823 | F: 2333-1316 | E: genera@acuityhk.com | www.acuityhk.com

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: observation () No major observations were observed on the reporting day. Reminder(s) (1) The Main Contractor was remainded that regular inspection of the Sump pit capacity for the amende anothing aver to prevent the discharge of unneated water. Cas the Main Contractor was reminded that C&D motenials shall not be stockpilled directly next to the water barriers to prevent the exappe of these motenties from the construction sile. Bust suppression measures strand also be implemented if the stockpile will be staying at the portron for more than one working a temporarily stored at the proveries and and the working portion (wan po koad) Signatures: ET Contractor's Supervising Officer's IEC's WSD's Representative Representativ Representative Representative Representative the NMA (Name: charlene (Name: (Name: Name: Wing) (Name: NA Bran Kau Wan



Acuity Sustainability Consulting Limited

Unit C, 11/F., Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon T: 2333-6823 | F: 2333-1316 | E: genera@acuityhk.com | www.acuityhk.com

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

WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST

Inspection Date:	4108120217.	:00	Inspected by:	ET: Contractor:	harlene Lai	SO: Den IEC: Lan	ik Lou us Kwan	WSD:	
Weather Condition	Sunny	Fine	Overcast	Drizzle	Rain	Storm	Hazy		
Temperature	300		Humidity	High	Moderate	Low			
Wind	Calm	Light	Breeze	Strong					

Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
0.00 0.01		General 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?				
1.00 1.01	\$4.8.1	Construction Dust Are dusty materials, such as excavated materials, building debris and construction materials, and exposed earth surface properly covered to prevent dust emission?	\square	_		rearly not was another and was another and was a compared and a co
1.02	S4.8.1	Are screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty construction works for dust suppression?				repulse water spreying eval conducted
1.03	S4.8.1	Are fumes or smoke emitting plants or construction activities shielded by a screen?				Notime , smoke enotene plant 7 construction autorities was constructed
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	S4.8.1	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?				paved + nyiler
1.08	S4.8.1	Are water spraying provided immediately prior to any loading or transfer of dusty materials?				128
1.09	S4.8.1	Are covers provided to all dump trucks carrying dusty materials when entering and leaving the site?	Ø			No during time to
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 activity on site?		\square		
1.12	S4.8.1	Does the operation of plants on site free form dark smoke emission?		Ø		/ KKMM (aber



		the first stage of the	Build			on mane
Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
1.13	S4.8.1	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?				
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	\$4.8.1	Is open burning prohibited?		1		-
2.00		Construction Noise (Airborne)				
2.01	S5.7	Are quiet plants adopted on site?				/moise lobel
2.02	\$5.7	Are the PMEs operating on site well-maintained to minimize the generation of excessive niose?				/repular inspection
2.03	S5.7	Are plants throttled down or turned off when not in use?		Z		
2.04	S5.7	Are the plants known to emit noise strongly in one direction oriented to face away from NSRs?				f no nearby
2.05	S5.7	Are moveable barriers provided to screen NSRs from plant or noisy operations?) NSK.
2.06	S5.7	Are silencers, mufflers and enclosures provided to plants?				
2.07	\$5.7	Are the hoods, cover panels and inspection hatches of PMEs closed during operation?		1		
2.08	S5.7	Are purposely-built site hoarding construction with appropriate materials provided 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 site?	1			
	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	85.7	Are construction noise permit(s) applied for general construction works during restricted hours?		Ą		
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	\$6.9	Is effluent discharged according to the effluent discharge license?		\square		
3.03	S6.9	Is wastewater discharge from site properly treated prior to discharge?				



x .	ELA ref.		N/A	Yes	No	Photo/Remarks
Item No.	EIA rei.		IN/A	1 es	INO	Photo/Remarks
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?				
3.06	S6.9	Is surface runoff diverted to sedimentation facilities?				
3.07	S6.9	Is the drainage system properly maintained?				obsily
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	S6.9	Are temporary access roads protected by crushed gravel?				
3.11	S6.9	Are exposed slope surface properly protected?		/		(hydrixecolity,
3.12	S6.9	Is trench excavation avoided in the wet season as far as practicable, or if necessary,				spignenth court
		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?		\square		
3.14	\$6.9	Is runoff from wheel-washing facilities avoided?				
3.15	\$6.9	Is oil leakage or spillage prevented?				
				Ą		(drip tray
3.16	S6.9	Are there any measures to prevent the release of oil and grease into the storm				I drip tray
		drainage system?		4		2000 may
3.17	S6.9	Are the oil interceptors/ grease traps properly maintained?	7			
3.18	\$6.9	Are debris and rubbish generated on site collected, handled and disposed of properly				
		to avoid them entering the streams?				reninder ()
3.19	\$6.9	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?		6		
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?		1		
3.23	S6.9	Is concrete washing water properly collected and treated prior to discharge?		\square		
3.24	S6.9	Is suitable type of silt curtains deployed during dredging to reduce the elevation of		1		to redging was
		suspended solids to nearby sensitive receivers?		March		shund. Dreigny
3.25	S6.9	Is closed grab dredger used to reduce the potential leakage of sediments?				shuff.
						C .



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

Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
3.26	S6.9	Is closed grab dredger of 3 to 6 m ³ used for dredging at seawater intake?				4
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 ³ closed grab, 10-11 grab per hour for 6m ³ closed grab?				7
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 fifting the grab?				(7
3.29	S6.9	Is the maximum allowed dredging rate at the seawater intake limited to 750 m^3/day while the maximum allowed dredging rate at the submarine outfall is 3,500 m^3/day ?				4
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)?				4
3.31	S6.9	Are disposal vessels fitted with tight bottom seals in order to prevent leakage of material during transport?	\square			9
3.32	\$6.9	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?				ч
3.33	S6.9	Are excess materials cleaned from decks and exposed fittings before the vessel is moved from the dredging area after dredging?				И
3.34	S6.9	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?				4
3.35	\$6.9	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?				
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	\$6.9	Are all vessels have a clean ballast system?				
3.39		Are all vessels well maintained and inspected before use to limit any potential discharges to the marine environment?				
3.40		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?				



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

Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
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		
100	0.0.5					
4.02	58.5	Is a recording system implemented to record the amount of wastes generated, recycled and disposed of?				
4.03	S8.5	IS the Contractor registered as a chemical waste producer?				
4.04	S8.5	Are 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?		\square		
				1		
4.15	S8.5	Are appropriate measures adopted to minimize windblown litter and dust during				
		transportation of waste?				rewindercia
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?				
				/		ruber
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 off-site?				~
				\square		Nebar



Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
4.21	S8.5	Are the construction materials stored properly to minimize the potential for damage or contamination?		\square		
4.22	S8.5	Is a dumping license obtained to deliver public fill to public filling areas?				
5.00		Landscape and Visual				
5.01	S11.10	Are Is site hoarding provided?				
	& 11.11	`				
5.02	S11.10 & 11.11	Are vegetation disturbance minimized or soil protected to reduce potential soil erosion?		\square		
5.03	S11.10 &	Is construction light oriented away from the sensitive receivers?				
	11.11					
5.04	S11.10	Is grass hydroseeding provided to slopes as soon as the completion of works?				
	& 11.11					
5.05	S11.10 & 11.11	Are damages to trees outside site boundary due construction works avoided?		\square		
5.06	S11.10 &	Is excavation works carried out manually instead of machinery operation within 2.5m				
		vicinity of any preserved trees?				
5.07	S11.10 &	Are the retained and transplanted tree(s) properly protected and in good conditions?				
	11.11			Ļ		
5.08	S11.10 &	Are surgery works carried out for damaged trees?				
	11.11					
6.00		Ecology				
6.01	S9.7	Is site runoff properly treated to prevent any silly runoff?		\square		
6.02	\$9.7	Are silt trap installed and well-maintained?				
0.02	59.7	Are she trap instance and won-maintainee:		\square		
6.03	S9.7	Are stockpiles properly covered to avoid generating silty runoff?				/ contation / styled with
6.04	S9.7	Are construction works restricted to works area which are clearly defined?		7		
6.05	S9.7	For slope mitigation works within the Clear Water Bay Country Park, are tree felling and		\square		
		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?	\square			
6.07	S9.7	Are the alignment of flexible barriers optimized to preserve all species of conservation				
1		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				
0.00		individuals?				
6.08	\$9.7	At the detailed design stage prior to the commencement of the slope mitigation works, is vegetation survey carried out at the slope mitigation areas within the Clear Water Bay		\square		
		vegetation survey earlied out at the slope infugation areas within the creat water Day	<u> </u>	أستستعشا	-	



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

TA	EIA ref.	det no. 15/100/17 besign, build and operate mototage of h	N/A	Yes	No	Photo/Remarks
Item No.	EIA ICI.		18/24	1 65	140	FIIOto/ Kemarks
		Country Park to assess the condition and identify the location of each individual of				
		Marsdenia lachnostoma and other flora species of conservation interest that may be directly				
		affected by the construction works?				
6.09	\$9.7	Is temporary fencing installed to fence off the concerned species either in groups of				
0.00		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?				
6.10	00.7					
6.10	59.7	Is a specification for fencing and demarcating individuals of Marsdenai lachnostoma (or	\square			
		other flora species of conservation interest, if found) adjacent to the proposed alignment of	6			
		the flexible barriers prepared to protect the species?				
6.11	\$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?				
6.12	S9.7	Is the resident site supervisory staff closely monitor the conditions of concerned				
		individuals during construction of flexible barriers in the close proximity?				
6.13	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?				
6.14	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?				
6.15	\$9.7	Is any damage and disturbance avoided, particularly those caused by filling and illegal		Description of	Contraction	
0.15	39.1	dumping, to the surrounding habitats through proper management of waste disposal?				
0.10						
6.16	\$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?				
6.15	\$9.7	Are affected habitats within the Clear Water Bay Country Bay reinstated by hydro-seeding	\square			
		and planting of climbers and native shrub seedlings where practical upon completion of the	/			
		slope mitigation works?				
7.00		Landfill Gas Hazard				
7.01	S12.7	Are the safety procedures implemented to minimise the risks of fires and explosions,				
		asphyxiation of works and toxicity effects during all works?			L]	
7.02	S12.7	Are the gas detection equipment and precautions being used during trenching and				
		excavation as well as creation of confined spaces?				
]	ender all de von as erou on of continue spaces.				2
-						
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?		\square		
					L]	
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		\square		
		physical contact?	L]	Ĺ		
		·				



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

Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
7.06	S12.7	Is the monitoring of landfill gas being undertaken in all excavations, manholes, chambers and any confined spaces?		\square		
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?		\square		
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?		\square		
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	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?				
8.00 8.01		Overall Is the EM&A properly implemented in general?		\checkmark		



Acuity Sustainability Consulting Limited

Unit C, 11/F., Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon T: 2333-6823 | F: 2333-1316 | E: genera@acuityhk.com | www.acuityhk.com

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: (1) Guillies were observed not profected by sandbags & geotactile at Wan Po Rond. Observation (S) Reminder (1) (1) the use beeping was remarded. (General) (2) requirer removal of general warter should be conducted to avoid hygrene concerns. (Guneral) disptray of generators (3) cleaning of disptray should be requiled y conducted. (Between Administration Luilding and. ActiPAFF). (4) The main Continutor was reminded to add earth bunds/ surlbays at the disharge point to prevent untreated water. (Wherete water deaning area) discharge of Signatures: FT Contractor's Supervising Officer's IEC's WSD's Representative Representative Representative Representative Representative AN NIA (Name: Derele (Name: Charlene (Name: NIA (Naphe: Bhay Kan (Name: Louis)



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

WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST

Inspection Date: _ Inspection Time:_	31108/2027 09:00-13:00		Inspected by:	ET: Contractor:	harlene Lai7: Brian kam	Iarkyso: 1 Iarkyso: 1 IEC: 1	aymond Kok Onis Kwan	wsd: <u>Yip ban</u>	n keening
Weather				/					
Condition	Sunny	Fine	Overcast	Drizzle	Rain	Storm	Hazy		
Temperature	29, C		Humidity	High	Moderate	Low			
Wind	Calm	Light	Breeze	Strong					

Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
0.00 0.01		General Is the current Environmental Permit displayed conspicuously at all vehicle site entrances/exits for public's information at any time?		1		
0.02		Is ET Leader's log-book kept readily available for inspections?				
1.00 1.01	S4.8.1	Construction Dust Are dusty materials, such as excavated materials, building debris and construction materials, and exposed earth surface properly covered to prevent dust emission?				war militer Spray in mas conclusted ously material invent best wet, compartion.
1.02	S4.8.1	Are screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty construction works for dust suppression?				water straying
1.03	S4.8.1	Are fumes or smoke emitting plants or construction activities shielded by a screen?				No fund (Smoke cmitting plant? Construction autivity
1.04	S4.8.1	Are wheel-washing facilities with high-pressure water jets provided at all site exits?		1		
1.05	S4.8.1	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?				
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?		\square		parted + Sprayed
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?				No dung thick
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 activity on site?				
1.12	S4.8.1	Does the operation of plants on site free form dark smoke emission?				/ ARMM laker



Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No. 1.13	S4.8.1	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?				
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?				
2.00	1	Construction Noise (Airborne)				
	S5.7	Are quiet plants adopted on site?				(Drittel abey
2.02	S5.7	Are the PMEs operating on site well-maintained to minimize the generation of excessive niose?		7		/regular inspection
2.03	\$5.7	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?				4 NO NEARY
2.05	\$5.7	Are moveable barriers provided to screen NSRs from plant or noisy operations?			R	
2.06	\$5.7	Are silencers, mufflers and enclosures provided to plants?		and		
2.07	\$5.7	Are the hoods, cover panels and inspection hatches of PMEs closed during operation?		\square		
2.08	S5.7	Are purposely-built site hoarding construction with appropriate materials provided 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 site?				
2.11	S5.7	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	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?				obs(1)
3.03	S6.9	Is wastewater discharge from site properly treated prior to discharge?				obsup



Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
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?				
3.06	S6.9	Is surface runoff diverted to sedimentation facilities?				
3.07	S6.9	Is the drainage system properly maintained?		\square		
3.08	S6.9	Are construction works carefully programmed to minimize soil excavation works				
		during rainy seasons?		4		
3.09	S6.9	Are exposed soil surface protected by paving as soon as possible to reduce the		T		
		potential of soil erosion?				
3.10	S6.9	Are temporary access roads protected by crushed gravel?		\square		
3.11	S6.9	Are exposed slope surface properly protected?		Z		hydroseeding
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	S6.9	Is runoff from wheel-washing facilities avoided?				
3.15	S6.9	Is oil leakage or spillage prevented?				(drip tray, remindes
3.16	S6.9	Are there any measures to prevent the release of oil and grease into the storm				.1
		drainage system?				/doip thay
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				reminder (i)
		to avoid them entering the streams?				reminuter (1)
3.19	\$6.9	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?		4		
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?			harmonic	
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		\Box		
		by the licensed contractors?				
3.23	S6.9	Is concrete washing water properly collected and treated prior to discharge?				obs (1)
3.24	S6.9	Is suitable type of silt curtains deployed during dredging to reduce the elevation of				an diver and
		suspended solids to nearby sensitive receivers?				m dredging was obscritel
3.25	S6.9	Is closed grab dredger used to reduce the potential leakage of sediments?				6



Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
3.26	S6.9	Is closed grab dredger of 3 to 6 m ³ used for dredging at seawater intake?	Ą			9
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 ³ closed grab, 10-11 grab per hour for 6m ³ closed grab?	Ą			Ч
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?				U
3.29	S6.9	Is the maximum allowed dredging rate at the seawater intake limited to 750 m^3/day while the maximum allowed dredging rate at the submarine outfall is 3,500 m^3/day ?				9
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)?				No Manne ausping Will o bsched.
3.31	S6.9	Are disposal vessels fitted with tight bottom seals in order to prevent leakage of material during transport?	Z			Ч
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?				UZ.
3.33	\$6.9	Are excess materials cleaned from decks and exposed fittings before the vessel is moved from the dredging area after dredging?	Ø			= /
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?		\square		
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?	Þ			5
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	86.9	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?		D/		
3.38	S6.9	Are all vessels have a clean ballast system?		\square		
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	86.9	Is any soil waste disposed overboard?				



Item No.	ELA ref.		N/A	Yes	No	Photo/Remarks
4.00 4.01	S8.5	Waste Management Is a trip-ticket system implemented to monitor the disposal of C&D and solid wastes at public filling facilities and landfills?	- Change			
4.02	S8.5	Is a recording system implemented to record the amount of wastes generated, recycled and disposed of?				
4.03	S8.5	IS the Contractor registered as a chemical waste producer?		\square		
4.04	S8.5	Are 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?		Z		
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?				venninder(1)
4.15	S8.5	Are appropriate measures adopted to minimize windblown litter and dust during transportation of waste?				rensinder (1) (envinder (1)
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?		Ż		
4.18	S8.5	Are C&D waste disposed of properly?	F	\square		
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 off-site?		\square		



Acuity Sustainability Consulting Limited

Unit C, 11/F., Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon T: 2333-6823 | F: 2333-1316 | E: genera@acuityhk.com | www.acuityhk.com

Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No.						
	-					
4.21	S8.5	Are the construction materials stored properly to minimize the potential for damage or	L	X		
		contamination?				
4.22	58.5	Is a dumping license obtained to deliver public fill to public filling areas?	percentered		pression and	
4.62	36.5	as a dumping neerse obtained to deriver public rin to public rining areas:				
			Internet	4	hannand	
5.00		Landscape and Visual				
5.01	S11.10	Are Is site hoarding provided?				
	& 11.11					
5.02	S11.10 &	Are vegetation disturbance minimized or soil protected to reduce potential soil erosion?				
	11.11			\square		
5.03	S11.10 &	Is construction light oriented away from the sensitive receivers?				
	11.11					
5.04	S11.10	Is grass hydroseeding provided to slopes as soon as the completion of works?			processing and the second	
0.04	& 11.11					
EOE	Į				Responses and a	
5.05		Are damages to trees outside site boundary due construction works avoided?				
ļ	11.11					
5.06		Is 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?	1			
	11.11					
6.00		Ecology				
6.01	\$9.7	Is site runoff properly treated to prevent any silly runoff?				
				Mark		Abs (1)
6.02	50.7	Are silt trap installed and well-maintained?	Barranseonnenen minister generationen generationenteren	boly/forecast	Reparation of the local sectors of the local sector	
0.02	37.1	Are sin trap instance and wen-maintainee:				
0.00			Decommendation of the second		lounersonal	
6.03	S9.7	Are stockpiles properly covered to avoid generating silty runoff?		/		
				L		
6.04	\$9.7	Are construction works restricted to works area which are clearly defined?		\Box		
				Ļ		
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				
		minimum?				
6.07	\$9.7	Are 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				
	2	alignment of flexible barriers positioned at mininmum 1.5 m in a radius away from these				
		individuals?		1		
6.08	S9.7	At the detailed design stage prior to the commencement of the slope mitigation works, is				
		vegetation survey carried out at the slope mitigation areas within the Clear Water Bay		1		



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

Item No.	EIA ref.		N/A	Yes	No	Photo/Remarks
		Country Park to assess the condition and identify the location of each individual of				
		Marsdenia lachnostoma and other flora species of conservation interest that may be directly				
		affected by the construction works?				
6.09	S9.7	Is temporary fencing installed to fence off the concerned species either in groups of	Remandershill	Constantinue of the second	Enternational	
0.00	57.7	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	Integlicentered	Enconnected	Reserves	
		fence and flagging tape shall be attached to the individuals to visualize their locations?	3			
6.10	00.7					
6.10	59.7	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				
0.11	00.5	the flexible barriers prepared to protect the species?			1.1976/1010/00106/1010-00780500/1008/00	
6.11	\$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?				
6.12	S9.7	Is the resident site supervisory staff closely monitor the conditions of concerned				
		individuals during construction of flexible barriers in the close proximity?				
6.13	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?		ų		
6.14	S9.7	Is regular check of the work site boundaries performed to ensure that they are not breached		<u> </u>		
		and that damage does not occur to surrounding areas?				
6.15	S9.7	Is any damage and disturbance avoided, particularly those caused by filling and illegal	provinces			
0.15	37.1	dumping, to the surrounding habitats through proper management of waste disposal?				
					L	
6.16	\$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?	-			
6.15	\$9.7	Are affected habitats within the Clear Water Bay Country Bay reinstated by hydro-seeding	\Box			
		and planting of climbers and native shrub seedlings where practical upon completion of the				
		slope mitigation works?				
7.00		Landfill Gas Hazard				
7.01	S12.7	Are the safety procedures implemented to minimise the risks of fires and explosions,		\square		
		asphyxiation of works and toxicity effects during all works?	L		L	
7.02	S12.7	Are the gas detection equipment and precautions being used during trenching and				
		excavation as well as creation of confined spaces?				
7.00	0107			eg Antonia i antonia esta antonia esta esta esta esta esta esta esta est		
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		1		
		and presented on the site throughout the works undertaken below grade?				
-			L		L]	
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		\square		
		physical contact?				
		physical contact:				



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

Item	EIA ref.		N/A	Yes	No	Photo/Remarks
No. 7.06	S12.7	Is the monitoring of landfill gas being undertaken in all excavations, manholes, chambers and any confined spaces?		\square		
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?		\square		
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	\$12.7	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?		Ż		
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 8.01		Overall Is the EM&A properly implemented in general?		\square		



Remark / Follow up of Observation(s) and Non-compliance(s) of Last Weekly Site Inspection: Observation(s) (1) Overflowing of concrete washing wastewater was observed at concrete washing three. The Mair Contractor was remainded to increase the water holding capacity and add too earth bunds/ Soudlays at the exit to prevent untreated water overlinning from the constinution site. Reminder CS> (1) Housekeeping was remainded (General) (3) the Main Contractor was reminded to Consider chemical Storage at the construction site (1st sedimentation tank/ worker resting Avea) Signatures: ET Contractor's Supervising Officer's IEC's WSD's Representative Representative Representative Representative Representative (Name: (Name: Brian Kam) Louis) (Name) Name (Name: Charline fai 20 (20 leve 31. Ang 31/8



Appendix J

Complaint Log



Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaint Statistics							
	Frequency	Cumulative	Complaint Nature					
01 Aug 2021 -								
31 Aug 2021	0	0	N/A					

Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics								
	Frequency	Cumulative	Details						
01 Aug 2021 -									
31 Aug 2021	0	0	N/A						

Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics						
	Frequency	Cumulative	Details				
01 Aug 2021 -							
31 Aug 2021	0	0	N/A				



Appendix K

Impact Monitoring Schedule of Next Reporting Month

Sep-21											
Sun	Mon	Tue	Wed	Thu	Fri	Sat					
					3 Impact Monitoring	4					
5	6			Impact Monitoring		11					
12	13	14	15 Impact Monitoring	16	17	18					
	Impact Monitoring			23	24	25 Impact Monitoring					
26 The schedule may be changed due to unform		28	29	30 Impact Monitoring							



Appendix L

Water Quality and Landfill Gas Monitoring Data

	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
-	CE	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:20:00 PM	8.75	8.01	30.45	27.43	3.48	4.00
	CE	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:20:00 PM	8.54	8.04	30.16	27.36	3.88	4.00
	CE	20210803	Cloudy	Moderate	Mid-Flood	Middle	10.80	4:19:00 PM	8.48	8.04	30.06	27.43	3.42	4.00
	CE	20210803	Cloudy	Moderate	Mid-Flood	Middle	10.80	4:19:00 PM	8.17	8.08	30.22	27.29	3.08	3.00
	CE	20210803	Cloudy	Moderate	Mid-Flood	Bottom	20.60	4:18:00 PM	8.58	8.11	30.31	27.28	2.98	10.00
	CE	20210803	Cloudy	Moderate	Mid-Flood	Bottom	20.60	4:18:00 PM	8.55	8.10	30.18	27.40	2.73	10.00
	CE	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:36:00 PM	7.93	8.18	30.37	27.56	3.12	2.50
	CE	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:36:00 PM	7.51	8.14	30.08	27.45	3.70	2.50
	CE	20210805	Cloudy	Moderate	Mid-Flood	Middle	10.85	6:35:00 PM	7.64	8.07	30.11	27.51	2.81	3.00
	CE	20210805	Cloudy	Moderate	Mid-Flood	Middle	10.85	6:35:00 PM	7.40	8.11	30.18	27.45	2.94	3.00
	CE	20210805	Cloudy	Moderate	Mid-Flood	Bottom	20.70	6:34:00 PM	7.63	8.17	30.38	27.56	3.13	3.00
	CE	20210805	Cloudy	Moderate	Mid-Flood	Bottom	20.70	6:34:00 PM	7.68	8.17	30.19	27.55	2.78	3.00
	CE	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:53:00 PM	9.41	8.21	31.46	27.99	3.33	3.00
	CE	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:53:00 PM	9.48	8.16	31.15	28.05	3.49	3.00
	CE	20210807	Cloudy	Moderate	Mid-Flood	Middle	11.10	6:52:00 PM	9.46	8.17	31.35	27.99	3.14	2.50
	CE	20210807	Cloudy	Moderate	Mid-Flood	Middle	11.10	6:52:00 PM	9.38	8.17	31.26	27.82	2.86	4.00
	CE	20210807	Cloudy	Moderate	Mid-Flood	Bottom	21.20	6:51:00 PM	9.06	8.18	31.02	27.92	2.95	3.00
	CE	20210807	Cloudy	Moderate	Mid-Flood	Bottom	21.20	6:51:00 PM	9.80	8.15	30.98	27.83	2.69	2.50
	CE	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	7:19:00 PM	8.02	7.91	29.85	28.32	3.90	3.00
	CE	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	7:19:00 PM	8.01	7.88	29.91	28.47	3.68	5.00
	CE	20210810	Cloudy	Moderate	Mid-Flood	Middle	11.30	7:18:00 PM	7.89	7.95	30.12	28.44	3.72	4.00
	CE	20210810	Cloudy	Moderate	Mid-Flood	Middle	11.30	7:18:00 PM	7.77	7.95	29.92	28.36	3.47	4.00
	CE	20210810	Cloudy	Moderate	Mid-Flood	Bottom	21.60	7:17:00 PM	8.06	8.03	29.79	28.35	3.87	4.00
	CE	20210810	Cloudy	Moderate	Mid-Flood	Bottom	21.60	7:17:00 PM	7.77	8.02	29.94	28.49	3.65	4.00
	CE	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	10:27:00 AM	8.66	8.10	30.72	28.13	3.31	3.00
	CE	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	10:27:00 AM	8.36	8.25	30.69	28.20	3.60	2.50

	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
-	CE	20210812	Sunny	Moderate	Mid-Flood	Middle	11.05	10:26:00 AM	8.59	8.23	30.51	28.22	4.16	4.00
	CE	20210812	Sunny	Moderate	Mid-Flood	Middle	11.05	10:26:00 AM	8.43	8.23	30.50	28.33	4.15	3.00
	CE	20210812	Sunny	Moderate	Mid-Flood	Bottom	21.10	10:25:00 AM	8.19	8.24	30.31	28.11	3.53	3.00
	CE	20210812	Sunny	Moderate	Mid-Flood	Bottom	21.10	10:25:00 AM	8.54	8.13	30.45	28.14	3.77	2.50
	CE	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	11:23:00 AM	7.29	8.12	30.60	27.96	3.58	2.50
	CE	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	11:23:00 AM	8.00	8.30	30.60	27.83	3.12	2.50
	CE	20210814	Sunny	Moderate	Mid-Flood	Middle	10.20	11:22:00 AM	7.78	8.35	30.29	27.86	3.54	2.50
	CE	20210814	Sunny	Moderate	Mid-Flood	Middle	10.20	11:22:00 AM	8.02	8.29	30.62	27.81	3.71	2.50
	CE	20210814	Sunny	Moderate	Mid-Flood	Bottom	19.40	11:21:00 AM	7.84	8.19	30.54	27.83	3.32	2.50
	CE	20210814	Sunny	Moderate	Mid-Flood	Bottom	19.40	11:21:00 AM	7.32	8.29	30.67	27.87	3.97	3.00
	CE	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	3:41:00 PM	8.87	8.38	30.49	29.03	3.12	9.00
	CE	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	3:41:00 PM	8.54	8.25	30.77	29.05	3.10	9.00
	CE	20210817	Sunny	Moderate	Mid-Flood	Middle	12.30	3:40:00 PM	8.60	8.31	30.75	29.07	2.98	5.00
	CE	20210817	Sunny	Moderate	Mid-Flood	Middle	12.30	3:40:00 PM	8.89	8.30	30.64	28.95	3.14	3.00
	CE	20210817	Sunny	Moderate	Mid-Flood	Bottom	23.60	3:39:00 PM	8.71	8.31	30.56	29.07	3.03	9.00
	CE	20210817	Sunny	Moderate	Mid-Flood	Bottom	23.60	3:39:00 PM	8.89	8.32	30.66	28.99	3.37	9.00
	CE	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:23:00 PM	9.32	8.04	30.82	28.57	3.88	3.00
	CE	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:23:00 PM	9.74	8.19	31.09	28.64	4.14	8.00
	CE	20210819	Cloudy	Moderate	Mid-Flood	Middle	10.85	6:22:00 PM	9.62	8.31	30.82	28.49	3.19	9.00
	CE	20210819	Cloudy	Moderate	Mid-Flood	Middle	10.85	6:22:00 PM	9.74	8.23	31.05	28.59	3.59	9.00
	CE	20210819	Cloudy	Moderate	Mid-Flood	Bottom	20.70	6:21:00 PM	9.46	8.29	31.22	28.64	3.56	4.00
	CE	20210819	Cloudy	Moderate	Mid-Flood	Bottom	20.70	6:21:00 PM	9.39	8.26	31.33	28.57	3.21	3.00
	CE	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	6:48:00 PM	7.77	8.27	29.60	28.65	3.33	4.00
	CE	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	6:48:00 PM	7.80	8.36	29.42	28.66	3.93	5.00
	CE	20210821	Sunny	Moderate	Mid-Flood	Middle	11.45	6:47:00 PM	8.55	8.48	29.59	28.62	2.96	9.00
	CE	20210821	Sunny	Moderate	Mid-Flood	Middle	11.45	6:47:00 PM	8.11	8.18	29.88	28.57	3.49	9.00
	CE	20210821	Sunny	Moderate	Mid-Flood	Bottom	21.90	6:46:00 PM	7.75	8.25	29.46	28.64	3.37	7.00

ſ	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
	CE	20210821	Sunny	Moderate	Mid-Flood	Bottom	21.90	6:46:00 PM	7.99	8.33	29.85	28.49	3.69	5.00
(CE	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:59:00 PM	8.44	8.51	29.99	28.06	4.33	7.00
(CE	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:59:00 PM	7.82	8.40	30.36	28.00	3.97	7.00
(CE	20210824	Sunny	Moderate	Mid-Flood	Middle	11.95	6:58:00 PM	8.38	8.40	30.08	28.13	3.51	8.00
(CE	20210824	Sunny	Moderate	Mid-Flood	Middle	11.95	6:58:00 PM	7.77	8.52	29.97	27.98	3.92	5.00
(CE	20210824	Sunny	Moderate	Mid-Flood	Bottom	22.90	6:57:00 PM	8.09	8.46	30.43	28.03	3.25	8.00
(CE	20210824	Sunny	Moderate	Mid-Flood	Bottom	22.90	6:57:00 PM	8.30	8.53	30.14	27.98	3.51	5.00
(CE	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	10:34:00 AM	8.42	8.36	29.21	28.71	4.89	6.00
(CE	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	10:34:00 AM	8.51	8.33	29.29	28.64	4.54	6.00
(CE	20210826	Sunny	Moderate	Mid-Flood	Middle	10.05	10:33:00 AM	8.74	8.23	29.15	28.67	4.13	6.00
(CE	20210826	Sunny	Moderate	Mid-Flood	Middle	10.05	10:33:00 AM	8.40	8.31	29.08	28.66	4.25	5.00
(CE	20210826	Sunny	Moderate	Mid-Flood	Bottom	19.10	10:32:00 AM	8.53	8.31	29.13	28.72	4.04	6.00
(CE	20210826	Sunny	Moderate	Mid-Flood	Bottom	19.10	10:32:00 AM	8.86	8.35	29.17	28.65	3.59	7.00
(CE	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	10:40:00 AM	7.72	8.07	29.19	28.42	3.98	3.00
(CE	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	10:40:00 AM	7.69	8.13	29.17	28.30	4.38	3.00
(CE	20210828	Sunny	Moderate	Mid-Flood	Middle	11.05	10:39:00 AM	7.79	8.08	29.26	28.64	4.01	3.00
(CE	20210828	Sunny	Moderate	Mid-Flood	Middle	11.05	10:39:00 AM	7.91	8.21	29.16	28.53	4.06	4.00
(CE	20210828	Sunny	Moderate	Mid-Flood	Bottom	21.10	10:38:00 AM	7.68	8.06	29.42	28.65	3.39	4.00
(CE	20210828	Sunny	Moderate	Mid-Flood	Bottom	21.10	10:38:00 AM	8.05	8.23	29.17	28.48	3.37	2.50
(CE	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:31:00 PM	9.52	8.19	30.72	28.09	3.88	5.00
(CE	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:31:00 PM	9.36	8.13	30.43	28.20	3.80	4.00
(CE	20210831	Cloudy	Moderate	Mid-Flood	Middle	12.20	6:30:00 PM	9.14	8.17	30.47	28.21	3.49	4.00
(CE	20210831	Cloudy	Moderate	Mid-Flood	Middle	12.20	6:30:00 PM	9.12	8.13	30.41	28.08	3.25	5.00
(CE	20210831	Cloudy	Moderate	Mid-Flood	Bottom	23.40	6:29:00 PM	9.35	8.18	30.86	28.11	3.85	5.00
(CE	20210831	Cloudy	Moderate	Mid-Flood	Bottom	23.40	6:29:00 PM	8.95	8.13	30.75	28.13	3.54	3.00
(CF	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	2:17:00 PM	7.78	8.16	30.71	27.56	3.50	9.00
(CF	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	2:17:00 PM	8.18	8.16	30.65	27.63	3.31	9.00

CF 20210803 Cloudy Moderate Mid-Flood Middle 9.95 2:16:00 PM 7.78 8.01 30.51 27.61 3.37 3.00 CF 20210803 Cloudy Moderate Mid-Flood Bottom 18:90 2:15:00 PM 8:44 8:18 30.45 27.60 3.56 4.00 CF 20210803 Cloudy Moderate Mid-Flood Bottom 18:90 2:15:00 PM 8:30 8:17 30.32 27.53 3.19 10:00 CF 20210805 Cloudy Moderate Mid-Flood Surface 1.00 4:00:00 PM 7.61 7.94 30.43 27.78 3.75 7.00 CF 20210805 Cloudy Moderate Mid-Flood Middle 10.83 3:59:00 PM 7.75 8:02 30.43 27.82 3.48 3.00 CF 20210805 Cloudy Moderate Mid-Flood Bottom 20.60 3:58:00 PM 7.79 7.98 30.39 27.81 3.12 6.00 0.01 S:20:00 PM		Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
CF20210803 CloudyModerateMid-FloodBottom18.902:15:00 PM7.778.0230.2627.543.3210.00CF20210805 CloudyModerateMid-FloodSurface1.004:00:00 PM7.617.9430.4327.7837.797.00CF20210805 CloudyModerateMid-FloodSurface1.004:00:00 PM7.617.9430.4327.783.297.00CF20210805 CloudyModerateMid-FloodSurface1.004:00:00 PM7.728.0230.5427.843.277.00CF20210805 CloudyModerateMid-FloodMiddle1.083:59:00 PM7.758.0230.3327.813.126.00CF20210805 CloudyModerateMid-FloodBottom2.0603:58:00 PM7.778.0530.3527.723.186.00CF20210805 CloudyModerateMid-FloodSurface1.005.02:00 PM9.078.0731.4828.234.036.00CF20210807 CloudyModerateMid-FloodSurface1.005.02:00 PM9.078.0731.4828.234.036.00CF20210807 CloudyModerateMid-FloodSurface1.005.02:00 PM9.078.0731.4828.234.036.00CF20210807 CloudyModerateMid-FloodSurface1.005.02:00 PM8.048.1531.3228.11 <td>-</td> <td>CF</td> <td>20210803</td> <td>Cloudy</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Middle</td> <td>9.95</td> <td>2:16:00 PM</td> <td>7.78</td> <td>8.01</td> <td>30.51</td> <td>27.61</td> <td>3.37</td> <td>3.00</td>	-	CF	20210803	Cloudy	Moderate	Mid-Flood	Middle	9.95	2:16:00 PM	7.78	8.01	30.51	27.61	3.37	3.00
CF 20210803 Cloudy Moderate Mid-Flood Bottom 18.90 2:15:00 PM 8.30 8.17 30.32 27:53 3.19 10.00 CF 20210805 Cloudy Moderate Mid-Flood Surface 1.00 4:00:00 PM 7.61 7.94 30.43 27.78 3.75 7.00 CF 20210805 Cloudy Moderate Mid-Flood Midel 1.08 3:59:00 PM 7.72 8.02 30.54 27.84 3.27 7.00 CF 20210805 Cloudy Moderate Mid-Flood Midel 1.080 3:59:00 PM 7.75 8.02 30.43 27.87 2.96 3.00 CF 20210805 Cloudy Moderate Mid-Flood Stotom 2.060 3:58:00 PM 7.77 8.05 30.35 27.72 3.18 6.00 CF 20210807 Cloudy Moderate Mid-Flood Surface 1.00 5/2:00 PM 9.07 8.07 31.48 28.23 4.03 6.00 CF 20		CF	20210803	Cloudy	Moderate	Mid-Flood	Middle	9.95	2:16:00 PM	8.44	8.18	30.45	27.60	3.56	4.00
CF 20210805 Cloudy Moderate Mid-Flood Surface 1.00 4.00:00 PM 7.61 7.94 30.43 27.78 3.75 7.00 CF 20210805 Cloudy Moderate Mid-Flood Surface 1.00 4.00:00 PM 7.92 8.02 30.54 27.84 3.27 7.00 CF 20210805 Cloudy Moderate Mid-Flood Midiel 1.08 3.59:00 PM 8.22 8.07 30.57 27.87 2.96 3.00 CF 20210805 Cloudy Moderate Mid-Flood Bitdiel 0.80 3.59:00 PM 7.77 8.02 30.43 27.81 3.12 6.00 CF 20210805 Cloudy Moderate Mid-Flood Surface 1.00 5:02:00 PM 9.02 8.08 31.24 28.23 4.03 6.00 CF 20210807 Cloudy Moderate Mid-Flood Surface 1.00 5:02:00 PM 9.07 8.07 31.48 28.23 4.03 6.00 0.00 5:00:00 PM		CF	20210803	Cloudy	Moderate	Mid-Flood	Bottom	18.90	2:15:00 PM	7.77	8.02	30.26	27.54	3.32	10.00
CF 20210805 Cloudy Moderate Mid-Flood Surface 1.00 4:00:00 PM 7.92 8.02 30.54 27.84 3.27 7.00 CF 20210805 Cloudy Moderate Mid-Flood Middle 10.80 3:59:00 PM 8.22 8.07 30.57 27.87 2.96 3.00 CF 20210805 Cloudy Moderate Mid-Flood Bottom 20.60 3:58:00 PM 7.79 7.98 30.39 27.81 3.12 6.00 CF 20210805 Cloudy Moderate Mid-Flood Surface 1.00 5:02:00 PM 7.77 8.05 30.35 27.72 3.18 6.00 CF 20210807 Cloudy Moderate Mid-Flood Surface 1.00 5:02:00 PM 9.01 8.07 3.14 28.23 4.03 6.00 CF 20210807 Cloudy Moderate Mid-Flood Surface 1.00 5:01:00 PM 8.01 8.10 3.124 28.16 3.80 3.00 3.22 4.45		CF	20210803	Cloudy	Moderate	Mid-Flood	Bottom	18.90	2:15:00 PM	8.30	8.17	30.32	27.53	3.19	10.00
CF 20210805 Cloudy Moderate Mid-Flood Middle 10.80 3:59:00 PM 8.22 8.07 30.57 27.87 2.96 3.00 CF 20210805 Cloudy Moderate Mid-Flood Middle 10.80 3:59:00 PM 7.75 8.02 30.43 27.82 3.48 3.00 CF 20210805 Cloudy Moderate Mid-Flood Bottom 20.60 3:58:00 PM 7.77 8.05 30.39 27.81 3.12 6.00 CF 20210807 Cloudy Moderate Mid-Flood Surface 1.00 5:02:00 PM 9.02 8.08 31.24 28.23 3.51 6.00 CF 20210807 Cloudy Moderate Mid-Flood Surface 1.00 5:01:00 PM 8.07 31.02 28.16 3.80 3.00 CF 20210807 Cloudy Moderate Mid-Flood Midtle 9.90 5:01:00 PM 8.81 8.15 31.22 28.16 3.60 3.26 3.26 3.26 3.26		CF	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:00:00 PM	7.61	7.94	30.43	27.78	3.75	7.00
CF 20210805 Cloudy Moderate Mid-Flood Middle 10.80 3:59:00 PM 7.75 8.02 30.43 27.82 3.48 3.00 CF 20210805 Cloudy Moderate Mid-Flood Bottom 20.60 3:58:00 PM 7.79 7.98 30.39 27.81 3.12 6.00 CF 20210805 Cloudy Moderate Mid-Flood Surface 1.00 5:02:00 PM 9.02 8.08 31.24 28.23 3.51 6.00 CF 20210807 Cloudy Moderate Mid-Flood Surface 1.00 5:02:00 PM 9.02 8.08 31.24 28.23 3.51 6.00 CF 20210807 Cloudy Moderate Mid-Flood Midale 9.90 5:01:00 PM 8.84 8.17 31.20 28.16 3.60 28.66 3.26 2.50 28.16 31.32 28.11 3.68 3.00 26.7 20210807 Cloudy Moderate Mid-Flood 8.00 9.01 8.03 31.32 28.11		CF	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:00:00 PM	7.92	8.02	30.54	27.84	3.27	7.00
CF 20210805 Cloudy Moderate Mid-Flood Bottom 20.60 3:58:00 PM 7.79 7.98 30.39 27.81 3.12 6.00 CF 20210805 Cloudy Moderate Mid-Flood Bottom 20.60 3:58:00 PM 7.77 8.05 30.35 27.72 3.18 6.00 CF 20210807 Cloudy Moderate Mid-Flood Surface 1.00 5:02:00 PM 9.02 8.08 31.24 28.23 3.51 6.00 CF 20210807 Cloudy Moderate Mid-Flood Surface 1.00 5:02:00 PM 9.07 8.07 31.48 28.23 4.03 6.00 CF 20210807 Cloudy Moderate Mid-Flood Midel 9.90 5:01:00 PM 8.81 8.15 31.32 28.11 3.68 3.00 CF 20210807 Cloudy Moderate Mid-Flood Bottom 18.80 5:00:00 PM 9.18 8.16 31.50 28.19 3.17 2.50 CF 2		CF	20210805	Cloudy	Moderate	Mid-Flood	Middle	10.80	3:59:00 PM	8.22	8.07	30.57	27.87	2.96	3.00
CF20210805 CloudyModerateMid-FloodBottom20.603:58:00 PM7.778.0530.3527.723.186.00CF20210807 CloudyModerateMid-FloodSurface1.005:02:00 PM9.028.0831.2428.233.516.00CF20210807 CloudyModerateMid-FloodSurface1.005:02:00 PM9.078.0731.4828.234.036.00CF20210807 CloudyModerateMid-FloodMiddle9.905:01:00 PM8.848.1731.2028.163.803.00CF20210807 CloudyModerateMid-FloodMiddle9.905:01:00 PM9.018.0931.6428.263.262.50CF20210807 CloudyModerateMid-FloodBottom18.805:00:00 PM8.818.1531.3228.113.683.00CF20210807 CloudyModerateMid-FloodBottom18.805:00:00 PM9.188.1631.5028.193.172.50CF20210807 CloudyModerateMid-FloodSurface1.005:25:00 PM7.858.0430.3328.924.455.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM7.858.0430.3328.933.593.00CF20210810 CloudyModerateMid-FloodSurface1.005:23:00 PM8.057.9630.3328.93<		CF	20210805	Cloudy	Moderate	Mid-Flood	Middle	10.80	3:59:00 PM	7.75	8.02	30.43	27.82	3.48	3.00
CF20210807 CloudyModerateMid-FloodSurface1.005.02:00 PM9.028.0831.2428.233.516.00CF20210807 CloudyModerateMid-FloodSurface1.005.02:00 PM9.078.0731.4828.234.036.00CF20210807 CloudyModerateMid-FloodMiddle9.905.01:00 PM8.848.1731.2028.163.803.00CF20210807 CloudyModerateMid-FloodMiddle9.905.01:00 PM8.818.1531.3228.113.683.00CF20210807 CloudyModerateMid-FloodBottom18.805.00:00 PM8.818.1531.3228.113.683.00CF20210807 CloudyModerateMid-FloodBottom18.805.00:00 PM9.188.1631.5028.193.172.50CF20210810 CloudyModerateMid-FloodSurface1.005.25:00 PM7.858.0430.3328.924.455.00CF20210810 CloudyModerateMid-FloodSurface1.005.22:00 PM7.9530.4028.874.336.00CF20210810 CloudyModerateMid-FloodSurface1.005.22:00 PM8.057.9630.3328.933.593.00CF20210810 CloudyModerateMid-FloodSurface1.005.23:00 PM8.077.9330.4228.753.64<		CF	20210805	Cloudy	Moderate	Mid-Flood	Bottom	20.60	3:58:00 PM	7.79	7.98	30.39	27.81	3.12	6.00
CF20210807 CloudyModerateMid-FloodSurface1.005:02:00 PM9.078.0731.4828.234.036.00CF20210807 CloudyModerateMid-FloodMiddle9.905:01:00 PM8.848.1731.2028.163.803.00CF20210807 CloudyModerateMid-FloodMiddle9.905:01:00 PM9.018.0931.6428.263.262.50CF20210807 CloudyModerateMid-FloodBottom18.805:00:00 PM8.818.1531.3228.113.683.00CF20210807 CloudyModerateMid-FloodBottom18.805:00:00 PM9.188.1631.5028.193.172.50CF20210807 CloudyModerateMid-FloodSurface1.005:25:00 PM7.858.0430.3328.924.455.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM8.247.9430.4028.874.336.00CF20210810 CloudyModerateMid-FloodSurface1.005:23:00 PM8.057.9630.3328.933.593.00CF20210810 CloudyModerateMid-FloodMidele9.955:24:00 PM8.0030.0228.963.753.00CF20210810 CloudyModerateMid-FloodSutface1.005:23:00 PM7.938.0530.1928.803.08 <t< td=""><td></td><td>CF</td><td>20210805</td><td>Cloudy</td><td>Moderate</td><td>Mid-Flood</td><td>Bottom</td><td>20.60</td><td>3:58:00 PM</td><td>7.77</td><td>8.05</td><td>30.35</td><td>27.72</td><td>3.18</td><td>6.00</td></t<>		CF	20210805	Cloudy	Moderate	Mid-Flood	Bottom	20.60	3:58:00 PM	7.77	8.05	30.35	27.72	3.18	6.00
CF20210807 CloudyModerateMid-FloodMiddle9.905:01:00 PM8.848.1731.2028.163.803.00CF20210807 CloudyModerateMid-FloodMiddle9.905:01:00 PM9.018.0931.6428.263.262.50CF20210807 CloudyModerateMid-FloodBottom18.805:00:00 PM8.818.1531.3228.113.683.00CF20210807 CloudyModerateMid-FloodBottom18.805:00:00 PM9.188.1631.5028.924.455.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM7.858.0430.3328.924.455.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM8.247.9430.4028.874.336.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM8.057.9630.3328.933.593.00CF20210810 CloudyModerateMid-FloodSurface1.005:23:00 PM8.008.0030.2328.963.753.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM8.077.9330.4228.753.649.00CF20210810 CloudyModerateMid-FloodSurface1.008:02:00 AM8.498.0930.6028.69<		CF	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:02:00 PM	9.02	8.08	31.24	28.23	3.51	6.00
CF20210807 CloudyModerateMid-FloodMiddle9.905.01:00 PM9.018.0931.6428.263.262.50CF20210807 CloudyModerateMid-FloodBottom18.805:00:00 PM8.818.1531.3228.113.683.00CF20210807 CloudyModerateMid-FloodBottom18.805:00:00 PM9.188.1631.5028.193.172.50CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM7.858.0430.3328.924.455.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM8.247.9430.4028.874.336.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM8.057.9630.3328.933.593.00CF20210810 CloudyModerateMid-FloodMidle9.955:24:00 PM8.008.0030.2328.963.753.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM8.077.9330.4228.753.649.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210812 CloudyModerateMid-FloodSurface1.008:02:00 AM8.448.1430.3128.61 <t< td=""><td></td><td>CF</td><td>20210807</td><td>Cloudy</td><td>Moderate</td><td>Mid-Flood</td><td>Surface</td><td>1.00</td><td>5:02:00 PM</td><td>9.07</td><td>8.07</td><td>31.48</td><td>28.23</td><td>4.03</td><td>6.00</td></t<>		CF	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:02:00 PM	9.07	8.07	31.48	28.23	4.03	6.00
CF20210807 CloudyModerateMid-FloodBottom18.805:00:00 PM8.818.1531.3228.113.683.00CF20210807 CloudyModerateMid-FloodBottom18.805:00:00 PM9.188.1631.5028.193.172.50CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM7.858.0430.3328.924.455.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM8.247.9430.4028.874.336.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM8.057.9630.3328.933.593.00CF20210810 CloudyModerateMid-FloodMidle9.955:24:00 PM8.008.0030.2328.963.753.00CF20210810 CloudyModerateMid-FloodMidle9.955:23:00 PM8.077.9330.4228.753.649.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210810 CloudyModerateMid-FloodSurface1.008:02:00 AM8.498.0930.6028.693.013.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.448.1430.3128.61		CF	20210807	Cloudy	Moderate	Mid-Flood	Middle	9.90	5:01:00 PM	8.84	8.17	31.20	28.16	3.80	3.00
CF20210807 CloudyModerateMid-FloodBottom18.805:00:00 PM9.188.1631.5028.193.172.50CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM7.858.0430.3328.924.455.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM8.247.9430.4028.874.336.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM8.057.9630.3328.933.593.00CF20210810 CloudyModerateMid-FloodMiddle9.955:24:00 PM8.008.0030.2328.963.753.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM8.077.9330.4228.753.649.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.498.0930.6028.693.013.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.448.1430.3128.61 <t< td=""><td></td><td>CF</td><td>20210807</td><td>Cloudy</td><td>Moderate</td><td>Mid-Flood</td><td>Middle</td><td>9.90</td><td>5:01:00 PM</td><td>9.01</td><td>8.09</td><td>31.64</td><td>28.26</td><td>3.26</td><td>2.50</td></t<>		CF	20210807	Cloudy	Moderate	Mid-Flood	Middle	9.90	5:01:00 PM	9.01	8.09	31.64	28.26	3.26	2.50
CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM7.858.0430.3328.924.455.00CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM8.247.9430.4028.874.336.00CF20210810 CloudyModerateMid-FloodMidle9.955:24:00 PM8.057.9630.3328.933.593.00CF20210810 CloudyModerateMid-FloodMidle9.955:24:00 PM8.008.0030.2328.963.753.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM8.077.9330.4228.753.649.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210812 CloudyModerateMid-FloodSurface1.008:02:00 AM8.498.0930.6028.693.013.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.448.1430.3128.613.422.50CF20210812 SunnyModerateMid-FloodSurface1.008:01:00 AM8.448.1430.3128.613.422.50CF20210812 SunnyModerateMid-FloodMidle10.008:01:00 AM8.518.1530.6328.833.1		CF	20210807	Cloudy	Moderate	Mid-Flood	Bottom	18.80	5:00:00 PM	8.81	8.15	31.32	28.11	3.68	3.00
CF20210810 CloudyModerateMid-FloodSurface1.005:25:00 PM8.247.9430.4028.874.336.00CF20210810 CloudyModerateMid-FloodMiddle9.955:24:00 PM8.057.9630.3328.933.593.00CF20210810 CloudyModerateMid-FloodMiddle9.955:24:00 PM8.008.0030.2328.963.753.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM8.077.9330.4228.753.649.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.498.0930.6028.693.013.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.448.1430.3128.613.422.50CF20210812 SunnyModerateMid-FloodSurface1.008:01:00 AM8.448.1530.6328.833.182.50CF20210812 SunnyModerateMid-FloodMiddle10.008:01:00 AM8.508.1530.6328.833.182.50CF20210812 SunnyModerateMid-FloodMiddle10.008:01:00 AM8.218.1830.3428.673.		CF	20210807	Cloudy	Moderate	Mid-Flood	Bottom	18.80	5:00:00 PM	9.18	8.16	31.50	28.19	3.17	2.50
CF20210810 CloudyModerateMid-FloodMiddle9.955:24:00 PM8.057.9630.3328.933.593.00CF20210810 CloudyModerateMid-FloodMiddle9.955:24:00 PM8.008.0030.2328.963.753.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM8.077.9330.4228.753.649.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210812 SunnyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.498.0930.6028.693.013.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.448.1430.3128.613.422.50CF20210812 SunnyModerateMid-FloodSurface1.008:01:00 AM8.508.1530.6328.833.182.50CF20210812 SunnyModerateMid-FloodMidle10.008:01:00 AM8.508.1530.6328.833.182.50CF20210812 SunnyModerateMid-FloodMidle10.008:01:00 AM8.218.1830.3428.673.26<		CF	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:25:00 PM	7.85	8.04	30.33	28.92	4.45	5.00
CF20210810 CloudyModerateMid-FloodMiddle9.955:24:00 PM8.008.0030.2328.963.753.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM8.077.9330.4228.753.649.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210812 SunnyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.498.0930.6028.693.013.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.448.1430.3128.613.422.50CF20210812 SunnyModerateMid-FloodMidle10.008:01:00 AM8.508.1530.6328.833.182.50CF20210812 SunnyModerateMid-FloodMidle10.008:01:00 AM8.218.1830.3428.673.262.50CF20210812 SunnyModerateMid-FloodMidle10.008:01:00 AM8.218.1830.3428.673.262.50		CF	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:25:00 PM	8.24	7.94	30.40	28.87	4.33	6.00
CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM8.077.9330.4228.753.649.00CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.498.0930.6028.693.013.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.448.1430.3128.613.422.50CF20210812 SunnyModerateMid-FloodMidle10.008:01:00 AM8.508.1530.6328.833.182.50CF20210812 SunnyModerateMid-FloodMidle10.008:01:00 AM8.218.1830.3428.673.262.50CF20210812 SunnyModerateMid-FloodMidle10.008:01:00 AM8.218.1830.3428.673.262.50		CF	20210810	Cloudy	Moderate	Mid-Flood	Middle	9.95	5:24:00 PM	8.05	7.96	30.33	28.93	3.59	3.00
CF20210810 CloudyModerateMid-FloodBottom18.905:23:00 PM7.938.0530.1928.803.089.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.498.0930.6028.693.013.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.448.1430.3128.613.422.50CF20210812 SunnyModerateMid-FloodMidle10.008:01:00 AM8.508.1530.6328.833.182.50CF20210812 SunnyModerateMid-FloodMidle10.008:01:00 AM8.218.1830.3428.673.262.50		CF	20210810	Cloudy	Moderate	Mid-Flood	Middle	9.95	5:24:00 PM	8.00	8.00	30.23	28.96	3.75	3.00
CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.498.0930.6028.693.013.00CF20210812 SunnyModerateMid-FloodSurface1.008:02:00 AM8.448.1430.3128.613.422.50CF20210812 SunnyModerateMid-FloodMiddle10.008:01:00 AM8.508.1530.6328.833.182.50CF20210812 SunnyModerateMid-FloodMiddle10.008:01:00 AM8.218.1830.3428.673.262.50		CF	20210810	Cloudy	Moderate	Mid-Flood	Bottom	18.90	5:23:00 PM	8.07	7.93	30.42	28.75	3.64	9.00
CF 20210812 Sunny Moderate Mid-Flood Surface 1.00 8:02:00 AM 8.44 8.14 30.31 28.61 3.42 2.50 CF 20210812 Sunny Moderate Mid-Flood Middle 10.00 8:01:00 AM 8.50 8.15 30.63 28.83 3.18 2.50 CF 20210812 Sunny Moderate Mid-Flood Middle 10.00 8:01:00 AM 8.50 8.15 30.63 28.83 3.18 2.50 CF 20210812 Sunny Moderate Mid-Flood Middle 10.00 8:01:00 AM 8.21 8.18 30.34 28.67 3.26 2.50		CF	20210810	Cloudy	Moderate	Mid-Flood	Bottom	18.90	5:23:00 PM	7.93	8.05	30.19	28.80	3.08	9.00
CF 20210812 Sunny Moderate Mid-Flood Middle 10.00 8:01:00 AM 8.50 8.15 30.63 28.83 3.18 2.50 CF 20210812 Sunny Moderate Mid-Flood Middle 10.00 8:01:00 AM 8.21 8.18 30.34 28.67 3.26 2.50		CF	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	8:02:00 AM	8.49	8.09	30.60	28.69	3.01	3.00
CF 20210812 Sunny Moderate Mid-Flood Middle 10.00 8:01:00 AM 8.21 8.18 30.34 28.67 3.26 2.50		CF	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	8:02:00 AM	8.44	8.14	30.31	28.61	3.42	2.50
		CF	20210812	Sunny	Moderate	Mid-Flood	Middle	10.00	8:01:00 AM	8.50	8.15	30.63	28.83	3.18	2.50
CF 20210812 Sunny Moderate Mid-Flood Bottom 19.00 8:00:00 AM 8.63 8.25 30.62 28.68 3.40 3.00		CF	20210812	Sunny	Moderate	Mid-Flood	Middle	10.00	8:01:00 AM	8.21	8.18	30.34	28.67	3.26	2.50
		CF	20210812	Sunny	Moderate	Mid-Flood	Bottom	19.00	8:00:00 AM	8.63	8.25	30.62	28.68	3.40	3.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
CF	20210812	Sunny	Moderate	Mid-Flood	Bottom	19.00	8:00:00 AM	8.21	8.13	30.64	28.54	3.05	4.00
CF	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	8:47:00 AM	8.50	8.24	30.17	27.70	2.95	9.00
CF	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	8:47:00 AM	9.14	8.21	30.08	27.68	2.83	9.00
CF	20210814	Sunny	Moderate	Mid-Flood	Middle	10.45	8:46:00 AM	8.01	8.14	29.84	27.70	3.74	3.00
CF	20210814	Sunny	Moderate	Mid-Flood	Middle	10.45	8:46:00 AM	8.21	8.17	30.12	27.70	3.65	3.00
CF	20210814	Sunny	Moderate	Mid-Flood	Bottom	19.90	8:45:00 AM	8.69	8.13	29.61	27.55	3.63	2.50
CF	20210814	Sunny	Moderate	Mid-Flood	Bottom	19.90	8:45:00 AM	8.65	8.19	30.23	27.59	3.83	4.00
CF	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	1:06:00 PM	8.19	8.13	30.71	29.05	2.86	3.00
CF	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	1:06:00 PM	8.04	8.09	30.85	29.09	3.01	3.00
CF	20210817	Sunny	Moderate	Mid-Flood	Middle	9.70	1:05:00 PM	8.22	8.04	30.78	29.06	2.72	3.00
CF	20210817	Sunny	Moderate	Mid-Flood	Middle	9.70	1:05:00 PM	8.44	8.14	30.92	29.14	2.70	4.00
CF	20210817	Sunny	Moderate	Mid-Flood	Bottom	18.40	1:04:00 PM	8.12	8.06	30.69	29.12	3.08	3.00
CF	20210817	Sunny	Moderate	Mid-Flood	Bottom	18.40	1:04:00 PM	8.61	8.03	30.88	29.16	2.70	2.50
CF	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:50:00 PM	8.71	8.22	31.24	28.98	3.07	9.00
CF	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:50:00 PM	8.86	8.04	31.10	28.80	3.57	9.00
CF	20210819	Cloudy	Moderate	Mid-Flood	Middle	10.35	3:49:00 PM	8.60	8.24	31.11	28.75	3.02	8.00
CF	20210819	Cloudy	Moderate	Mid-Flood	Middle	10.35	3:49:00 PM	9.02	8.22	31.14	28.78	2.87	9.00
CF	20210819	Cloudy	Moderate	Mid-Flood	Bottom	19.70	3:48:00 PM	9.24	8.06	31.13	28.88	2.58	7.00
CF	20210819	Cloudy	Moderate	Mid-Flood	Bottom	19.70	3:48:00 PM	9.14	8.18	30.81	28.79	2.67	7.00
CF	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	4:55:00 PM	8.41	8.29	30.06	29.08	3.60	6.00
CF	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	4:55:00 PM	7.86	8.16	29.82	29.23	3.72	8.00
CF	20210821	Sunny	Moderate	Mid-Flood	Middle	9.90	4:54:00 PM	8.14	8.03	30.09	29.17	3.59	8.00
CF	20210821	Sunny	Moderate	Mid-Flood	Middle	9.90	4:54:00 PM	8.09	8.05	29.75	29.22	3.70	8.00
CF	20210821	Sunny	Moderate	Mid-Flood	Bottom	18.80	4:53:00 PM	7.93	8.21	30.32	29.08	3.49	4.00
CF	20210821	Sunny	Moderate	Mid-Flood	Bottom	18.80	4:53:00 PM	8.15	8.12	30.22	29.10	3.53	4.00
CF	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	5:22:00 PM	8.73	8.29	30.41	28.29	4.09	2.50
CF	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	5:22:00 PM	8.14	8.17	30.73	28.21	3.97	2.50

	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
_	CF	20210824	Sunny	Moderate	Mid-Flood	Middle	10.45	5:21:00 PM	8.08	8.18	30.57	28.35	4.01	7.00
	CF	20210824	Sunny	Moderate	Mid-Flood	Middle	10.45	5:21:00 PM	8.73	8.24	30.44	28.28	3.85	7.00
	CF	20210824	Sunny	Moderate	Mid-Flood	Bottom	19.90	5:20:00 PM	8.49	8.22	30.69	28.22	3.48	7.00
	CF	20210824	Sunny	Moderate	Mid-Flood	Bottom	19.90	5:20:00 PM	8.62	8.16	30.60	28.19	3.22	7.00
	CF	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	8:02:00 AM	8.49	8.16	29.85	28.27	3.82	4.00
	CF	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	8:02:00 AM	8.42	8.10	29.72	28.36	3.74	2.50
	CF	20210826	Sunny	Moderate	Mid-Flood	Middle	10.00	8:01:00 AM	8.52	8.10	29.93	28.27	3.40	9.00
	CF	20210826	Sunny	Moderate	Mid-Flood	Middle	10.00	8:01:00 AM	8.20	8.23	29.75	28.30	4.05	9.00
	CF	20210826	Sunny	Moderate	Mid-Flood	Bottom	19.00	8:00:00 AM	8.21	8.29	29.79	28.35	4.29	2.50
	CF	20210826	Sunny	Moderate	Mid-Flood	Bottom	19.00	8:00:00 AM	8.24	8.12	29.82	28.35	3.66	4.00
	CF	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	8:02:00 AM	8.55	8.12	29.13	28.46	4.32	3.00
	CF	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	8:02:00 AM	8.27	8.16	29.21	28.13	3.85	4.00
	CF	20210828	Sunny	Moderate	Mid-Flood	Middle	10.20	8:01:00 AM	8.58	8.24	29.07	28.33	3.81	2.50
	CF	20210828	Sunny	Moderate	Mid-Flood	Middle	10.20	8:01:00 AM	8.60	8.08	29.20	28.13	4.06	2.50
	CF	20210828	Sunny	Moderate	Mid-Flood	Bottom	19.40	8:00:00 AM	8.18	8.08	29.06	28.47	3.80	9.00
	CF	20210828	Sunny	Moderate	Mid-Flood	Bottom	19.40	8:00:00 AM	8.29	8.06	29.09	28.48	3.45	9.00
	CF	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:00:00 PM	8.97	8.39	30.11	27.76	4.02	9.00
	CF	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:00:00 PM	9.08	8.39	29.73	27.83	4.58	9.00
	CF	20210831	Cloudy	Moderate	Mid-Flood	Middle	10.30	3:59:00 PM	9.28	8.40	29.92	27.80	4.20	8.00
	CF	20210831	Cloudy	Moderate	Mid-Flood	Middle	10.30	3:59:00 PM	8.73	8.36	30.01	27.85	4.20	8.00
	CF	20210831	Cloudy	Moderate	Mid-Flood	Bottom	19.60	3:58:00 PM	9.18	8.38	30.18	27.84	4.35	6.00
	CF	20210831	Cloudy	Moderate	Mid-Flood	Bottom	19.60	3:58:00 PM	8.81	8.40	30.02	27.92	4.20	5.00
	WSR01	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	2:37:00 PM	7.99	8.18	30.22	27.63	2.58	5.00
	WSR01	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	2:37:00 PM	8.34	8.08	30.57	27.65	2.25	4.00
	WSR01	20210803	Cloudy	Moderate	Mid-Flood	Middle	4.40	2:36:00 PM	7.94	8.07	30.54	27.71	2.03	4.00
	WSR01	20210803	Cloudy	Moderate	Mid-Flood	Middle	4.40	2:36:00 PM	7.93	8.16	30.72	27.54	1.78	3.00
	WSR01	20210803	Cloudy	Moderate	Mid-Flood	Bottom	7.80	2:35:00 PM	8.16	8.06	30.49	27.69	2.15	9.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR01	20210803	Cloudy	Moderate	Mid-Flood	Bottom	7.80	2:35:00 PM	7.97	8.18	30.70	27.56	2.06	9.00
WSR01	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:23:00 PM	8.01	8.05	30.60	27.68	2.92	6.00
WSR01	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:23:00 PM	7.81	7.96	30.42	27.73	2.52	6.00
WSR01	20210805	Cloudy	Moderate	Mid-Flood	Middle	4.30	4:22:00 PM	7.96	8.02	30.59	27.84	2.35	8.00
WSR01	20210805	Cloudy	Moderate	Mid-Flood	Middle	4.30	4:22:00 PM	8.35	8.00	30.70	27.76	2.47	8.00
WSR01	20210805	Cloudy	Moderate	Mid-Flood	Bottom	7.60	4:21:00 PM	8.16	8.00	30.51	27.79	2.64	4.00
WSR01	20210805	Cloudy	Moderate	Mid-Flood	Bottom	7.60	4:21:00 PM	7.99	7.96	30.61	27.87	2.69	3.00
WSR01	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:20:00 PM	8.45	8.11	31.25	28.41	2.00	4.00
WSR01	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:20:00 PM	8.86	8.17	31.65	28.36	2.35	3.00
WSR01	20210807	Cloudy	Moderate	Mid-Flood	Middle	4.30	5:19:00 PM	8.95	8.05	31.63	28.40	2.01	3.00
WSR01	20210807	Cloudy	Moderate	Mid-Flood	Middle	4.30	5:19:00 PM	8.74	8.09	31.62	28.36	2.25	4.00
WSR01	20210807	Cloudy	Moderate	Mid-Flood	Bottom	7.60	5:18:00 PM	8.60	8.05	31.65	28.33	2.02	6.00
WSR01	20210807	Cloudy	Moderate	Mid-Flood	Bottom	7.60	5:18:00 PM	8.67	8.03	31.65	28.26	2.15	6.00
WSR01	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:42:00 PM	8.05	8.25	29.94	28.96	2.89	2.50
WSR01	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:42:00 PM	8.20	8.22	29.94	28.91	2.49	3.00
WSR01	20210810	Cloudy	Moderate	Mid-Flood	Middle	4.70	5:41:00 PM	8.23	8.25	30.04	29.06	2.02	5.00
WSR01	20210810	Cloudy	Moderate	Mid-Flood	Middle	4.70	5:41:00 PM	8.25	8.13	30.16	28.89	2.26	3.00
WSR01	20210810	Cloudy	Moderate	Mid-Flood	Bottom	8.40	5:40:00 PM	8.09	8.21	29.87	29.09	2.10	4.00
WSR01	20210810	Cloudy	Moderate	Mid-Flood	Bottom	8.40	5:40:00 PM	8.43	8.10	30.18	28.90	1.87	5.00
WSR01	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	8:23:00 AM	8.29	8.12	30.32	28.93	3.05	3.00
WSR01	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	8:23:00 AM	8.57	8.21	30.67	28.86	2.94	2.50
WSR01	20210812	Sunny	Moderate	Mid-Flood	Middle	4.50	8:22:00 AM	8.37	8.11	30.71	28.69	2.60	2.50
WSR01	20210812	Sunny	Moderate	Mid-Flood	Middle	4.50	8:22:00 AM	8.20	8.18	30.65	28.84	2.79	2.50
WSR01	20210812	Sunny	Moderate	Mid-Flood	Bottom	8.00	8:21:00 AM	8.53	8.13	30.68	28.81	2.13	2.50
WSR01	20210812	Sunny	Moderate	Mid-Flood	Bottom	8.00	8:21:00 AM	8.50	8.16	30.77	28.64	2.38	2.50
WSR01	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	9:11:00 AM	8.96	8.12	30.11	28.15	2.24	2.50
WSR01	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	9:11:00 AM	9.01	8.17	30.29	28.26	1.88	2.50

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR01	20210814	Sunny	Moderate	Mid-Flood	Middle	4.20	9:10:00 AM	8.28	8.02	30.34	28.09	2.20	2.50
WSR01	20210814	Sunny	Moderate	Mid-Flood	Middle	4.20	9:10:00 AM	9.12	8.23	30.51	28.18	1.86	2.50
WSR01	20210814	Sunny	Moderate	Mid-Flood	Bottom	7.40	9:09:00 AM	8.18	8.27	30.04	28.11	2.18	2.50
WSR01	20210814	Sunny	Moderate	Mid-Flood	Bottom	7.40	9:09:00 AM	8.44	8.17	30.45	28.24	2.01	3.00
WSR01	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	1:29:00 PM	8.89	8.17	30.68	29.52	2.28	4.00
WSR01	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	1:29:00 PM	9.30	8.03	30.67	29.41	2.18	3.00
WSR01	20210817	Sunny	Moderate	Mid-Flood	Middle	4.40	1:28:00 PM	9.19	8.07	30.70	29.43	2.42	4.00
WSR01	20210817	Sunny	Moderate	Mid-Flood	Middle	4.40	1:28:00 PM	8.85	8.13	30.73	29.53	2.09	3.00
WSR01	20210817	Sunny	Moderate	Mid-Flood	Bottom	7.80	1:27:00 PM	8.79	8.05	30.59	29.48	1.74	4.00
WSR01	20210817	Sunny	Moderate	Mid-Flood	Bottom	7.80	1:27:00 PM	9.16	8.12	30.74	29.54	1.88	2.50
WSR01	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:13:00 PM	8.62	7.93	30.29	29.09	3.45	5.00
WSR01	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:13:00 PM	8.28	8.03	30.75	29.09	3.19	5.00
WSR01	20210819	Cloudy	Moderate	Mid-Flood	Middle	4.65	4:12:00 PM	8.49	8.15	30.47	29.33	2.82	7.00
WSR01	20210819	Cloudy	Moderate	Mid-Flood	Middle	4.65	4:12:00 PM	8.24	8.15	30.24	29.11	2.73	4.00
WSR01	20210819	Cloudy	Moderate	Mid-Flood	Bottom	8.30	4:11:00 PM	8.72	8.22	30.36	29.25	2.76	5.00
WSR01	20210819	Cloudy	Moderate	Mid-Flood	Bottom	8.30	4:11:00 PM	8.59	7.98	30.86	29.24	2.50	5.00
WSR01	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:13:00 PM	8.47	8.39	29.68	28.70	2.47	9.00
WSR01	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:13:00 PM	8.35	8.46	29.48	28.65	2.70	9.00
WSR01	20210821	Sunny	Moderate	Mid-Flood	Middle	4.70	5:12:00 PM	8.04	8.23	29.19	28.69	2.81	9.00
WSR01	20210821	Sunny	Moderate	Mid-Flood	Middle	4.70	5:12:00 PM	8.60	8.41	29.59	28.76	2.37	9.00
WSR01	20210821	Sunny	Moderate	Mid-Flood	Bottom	8.40	5:11:00 PM	8.75	8.27	29.13	28.60	2.11	7.00
WSR01	20210821	Sunny	Moderate	Mid-Flood	Bottom	8.40	5:11:00 PM	8.28	8.32	29.39	28.79	2.29	7.00
WSR01	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	5:38:00 PM	9.04	8.20	30.25	28.58	2.50	7.00
WSR01	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	5:38:00 PM	9.09	8.33	30.22	28.61	2.30	6.00
WSR01	20210824	Sunny	Moderate	Mid-Flood	Middle	4.15	5:37:00 PM	9.25	8.34	30.28	28.56	2.18	6.00
WSR01	20210824	Sunny	Moderate	Mid-Flood	Middle	4.15	5:37:00 PM	9.12	8.25	30.88	28.59	2.17	8.00
WSR01	20210824	Sunny	Moderate	Mid-Flood	Bottom	7.30	5:36:00 PM	9.19	8.26	30.73	28.59	2.15	4.00

	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
-	WSR01	20210824	Sunny	Moderate	Mid-Flood	Bottom	7.30	5:36:00 PM	8.69	8.35	30.71	28.56	2.24	2.50
	WSR01	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	8:24:00 AM	8.72	8.31	29.29	27.83	2.38	7.00
	WSR01	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	8:24:00 AM	8.35	8.48	29.57	27.93	2.63	7.00
	WSR01	20210826	Sunny	Moderate	Mid-Flood	Middle	4.70	8:23:00 AM	8.71	8.37	29.29	27.85	1.90	4.00
	WSR01	20210826	Sunny	Moderate	Mid-Flood	Middle	4.70	8:23:00 AM	8.48	8.39	29.49	27.88	2.23	4.00
	WSR01	20210826	Sunny	Moderate	Mid-Flood	Bottom	8.40	8:22:00 AM	8.81	8.48	29.35	27.89	1.66	3.00
	WSR01	20210826	Sunny	Moderate	Mid-Flood	Bottom	8.40	8:22:00 AM	8.81	8.34	29.60	27.86	1.57	4.00
	WSR01	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	8:26:00 AM	8.42	8.11	28.83	28.23	3.23	5.00
	WSR01	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	8:26:00 AM	8.68	8.24	28.60	27.96	3.19	4.00
	WSR01	20210828	Sunny	Moderate	Mid-Flood	Middle	4.55	8:25:00 AM	8.41	8.23	28.66	28.08	2.77	4.00
	WSR01	20210828	Sunny	Moderate	Mid-Flood	Middle	4.55	8:25:00 AM	8.42	8.15	28.83	28.08	2.50	3.00
	WSR01	20210828	Sunny	Moderate	Mid-Flood	Bottom	8.10	8:24:00 AM	8.50	8.23	28.64	27.92	3.07	4.00
	WSR01	20210828	Sunny	Moderate	Mid-Flood	Bottom	8.10	8:24:00 AM	8.52	8.20	28.61	27.94	2.96	6.00
	WSR01	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:24:00 PM	9.05	8.20	30.10	27.93	2.52	6.00
	WSR01	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:24:00 PM	8.73	8.27	30.19	27.90	2.43	6.00
	WSR01	20210831	Cloudy	Moderate	Mid-Flood	Middle	4.50	4:23:00 PM	8.95	8.19	30.32	27.93	2.24	3.00
	WSR01	20210831	Cloudy	Moderate	Mid-Flood	Middle	4.50	4:23:00 PM	8.48	8.18	30.38	27.91	2.09	3.00
	WSR01	20210831	Cloudy	Moderate	Mid-Flood	Bottom	8.00	4:22:00 PM	8.78	8.17	30.15	27.96	2.28	6.00
	WSR01	20210831	Cloudy	Moderate	Mid-Flood	Bottom	8.00	4:22:00 PM	8.93	8.23	30.35	28.04	1.96	7.00
	WSR02	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	2:52:00 PM	8.33	8.17	30.26	27.62	2.16	4.00
	WSR02	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	2:52:00 PM	8.40	8.24	30.26	27.66	2.18	3.00
	WSR02	20210803	Cloudy	Moderate	Mid-Flood	Middle	4.55	2:51:00 PM	8.19	8.17	30.79	27.70	2.27	12.00
	WSR02	20210803	Cloudy	Moderate	Mid-Flood	Middle	4.55	2:51:00 PM	8.35	8.13	30.75	27.68	1.97	12.00
	WSR02	20210803	Cloudy	Moderate	Mid-Flood	Bottom	8.10	2:50:00 PM	8.68	8.15	30.35	27.66	1.93	12.00
	WSR02	20210803	Cloudy	Moderate	Mid-Flood	Bottom	8.10	2:50:00 PM	8.30	8.20	30.65	27.67	1.85	12.00
	WSR02	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:41:00 PM	8.90	8.06	30.60	27.85	2.78	2.50
	WSR02	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:41:00 PM	8.77	8.04	30.71	27.84	2.57	2.50

	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
_	WSR02	20210805	Cloudy	Moderate	Mid-Flood	Middle	4.65	4:40:00 PM	8.90	8.12	30.42	27.82	2.68	2.50
	WSR02	20210805	Cloudy	Moderate	Mid-Flood	Middle	4.65	4:40:00 PM	8.52	8.00	30.41	27.77	2.27	2.50
	WSR02	20210805	Cloudy	Moderate	Mid-Flood	Bottom	8.30	4:39:00 PM	8.54	8.05	30.43	27.84	2.06	3.00
	WSR02	20210805	Cloudy	Moderate	Mid-Flood	Bottom	8.30	4:39:00 PM	8.16	8.02	30.53	27.89	2.18	3.00
	WSR02	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:33:00 PM	8.64	8.22	31.36	28.22	2.52	3.00
	WSR02	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:33:00 PM	8.66	8.20	31.08	28.41	2.85	3.00
	WSR02	20210807	Cloudy	Moderate	Mid-Flood	Middle	4.85	5:32:00 PM	8.66	8.32	31.23	28.35	2.61	4.00
	WSR02	20210807	Cloudy	Moderate	Mid-Flood	Middle	4.85	5:32:00 PM	8.89	8.26	31.35	28.33	2.24	4.00
	WSR02	20210807	Cloudy	Moderate	Mid-Flood	Bottom	8.70	5:31:00 PM	8.70	8.24	31.46	28.24	2.11	5.00
	WSR02	20210807	Cloudy	Moderate	Mid-Flood	Bottom	8.70	5:31:00 PM	8.89	8.25	31.40	28.40	2.18	7.00
	WSR02	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:56:00 PM	8.64	8.05	30.49	28.40	2.13	2.50
	WSR02	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:56:00 PM	8.43	7.96	30.38	28.42	2.09	4.00
	WSR02	20210810	Cloudy	Moderate	Mid-Flood	Middle	4.80	5:55:00 PM	8.62	8.01	30.60	28.48	1.93	3.00
	WSR02	20210810	Cloudy	Moderate	Mid-Flood	Middle	4.80	5:55:00 PM	8.25	8.02	30.43	28.41	2.12	2.50
	WSR02	20210810	Cloudy	Moderate	Mid-Flood	Bottom	8.60	5:54:00 PM	8.45	8.00	30.42	28.56	1.58	2.50
	WSR02	20210810	Cloudy	Moderate	Mid-Flood	Bottom	8.60	5:54:00 PM	8.24	8.06	30.78	28.47	1.47	3.00
	WSR02	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	8:40:00 AM	8.40	8.20	30.31	28.76	2.68	3.00
	WSR02	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	8:40:00 AM	8.44	8.24	30.48	28.90	2.50	4.00
	WSR02	20210812	Sunny	Moderate	Mid-Flood	Middle	4.90	8:39:00 AM	8.51	8.23	30.54	28.67	2.37	4.00
	WSR02	20210812	Sunny	Moderate	Mid-Flood	Middle	4.90	8:39:00 AM	8.30	8.24	30.71	28.80	2.41	3.00
	WSR02	20210812	Sunny	Moderate	Mid-Flood	Bottom	8.80	8:38:00 AM	8.58	8.18	30.54	28.95	2.02	3.00
	WSR02	20210812	Sunny	Moderate	Mid-Flood	Bottom	8.80	8:38:00 AM	8.45	8.24	30.62	28.74	2.12	2.50
	WSR02	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	9:29:00 AM	7.89	8.34	30.14	27.80	2.64	3.00
	WSR02	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	9:29:00 AM	7.16	8.32	30.04	27.81	2.91	3.00
	WSR02	20210814	Sunny	Moderate	Mid-Flood	Middle	4.50	9:28:00 AM	7.83	8.27	30.07	27.82	2.38	4.00
	WSR02	20210814	Sunny	Moderate	Mid-Flood	Middle	4.50	9:28:00 AM	7.48	8.40	30.42	27.68	2.64	2.50
	WSR02	20210814	Sunny	Moderate	Mid-Flood	Bottom	8.00	9:27:00 AM	7.60	8.52	30.17	27.80	1.95	5.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR02	20210814	Sunny	Moderate	Mid-Flood	Bottom	8.00	9:27:00 AM	7.30	8.31	29.95	27.72	1.94	5.00
WSR02	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	1:46:00 PM	8.39	8.03	31.19	29.69	2.94	8.00
WSR02	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	1:46:00 PM	8.12	8.07	31.15	29.69	2.90	8.00
WSR02	20210817	Sunny	Moderate	Mid-Flood	Middle	4.50	1:45:00 PM	8.12	8.09	30.92	29.61	1.89	3.00
WSR02	20210817	Sunny	Moderate	Mid-Flood	Middle	4.50	1:45:00 PM	8.14	8.12	31.03	29.64	2.09	4.00
WSR02	20210817	Sunny	Moderate	Mid-Flood	Bottom	8.00	1:44:00 PM	8.44	8.00	31.15	29.60	2.23	7.00
WSR02	20210817	Sunny	Moderate	Mid-Flood	Bottom	8.00	1:44:00 PM	7.80	8.06	31.18	29.65	1.92	5.00
WSR02	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:31:00 PM	8.61	8.12	31.37	28.83	3.32	9.00
WSR02	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:31:00 PM	8.89	7.98	31.04	28.87	3.41	5.00
WSR02	20210819	Cloudy	Moderate	Mid-Flood	Middle	4.75	4:30:00 PM	9.25	8.19	31.38	28.86	3.03	4.00
WSR02	20210819	Cloudy	Moderate	Mid-Flood	Middle	4.75	4:30:00 PM	8.64	7.96	31.45	28.88	2.57	6.00
WSR02	20210819	Cloudy	Moderate	Mid-Flood	Bottom	8.50	4:29:00 PM	9.04	8.06	31.58	28.93	2.26	4.00
WSR02	20210819	Cloudy	Moderate	Mid-Flood	Bottom	8.50	4:29:00 PM	8.53	8.20	31.03	29.01	2.29	4.00
WSR02	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:28:00 PM	8.27	8.41	30.33	28.85	2.50	8.00
WSR02	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:28:00 PM	8.77	8.36	30.07	28.72	2.50	9.00
WSR02	20210821	Sunny	Moderate	Mid-Flood	Middle	4.60	5:27:00 PM	8.35	8.43	30.08	28.92	2.55	9.00
WSR02	20210821	Sunny	Moderate	Mid-Flood	Middle	4.60	5:27:00 PM	8.19	8.26	30.14	28.85	2.89	9.00
WSR02	20210821	Sunny	Moderate	Mid-Flood	Bottom	8.20	5:26:00 PM	8.28	8.34	29.99	28.77	2.66	9.00
WSR02	20210821	Sunny	Moderate	Mid-Flood	Bottom	8.20	5:26:00 PM	8.40	8.45	29.81	28.84	2.24	9.00
WSR02	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	5:53:00 PM	8.33	8.35	31.16	28.65	2.71	8.00
WSR02	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	5:53:00 PM	8.50	8.41	31.01	28.65	2.51	8.00
WSR02	20210824	Sunny	Moderate	Mid-Flood	Middle	4.90	5:52:00 PM	8.74	8.42	31.30	28.56	2.29	10.00
WSR02	20210824	Sunny	Moderate	Mid-Flood	Middle	4.90	5:52:00 PM	8.30	8.34	31.27	28.56	2.27	10.00
WSR02	20210824	Sunny	Moderate	Mid-Flood	Bottom	8.80	5:51:00 PM	8.27	8.29	31.40	28.62	2.50	9.00
WSR02	20210824	Sunny	Moderate	Mid-Flood	Bottom	8.80	5:51:00 PM	8.54	8.36	30.82	28.63	2.33	9.00
WSR02	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	8:41:00 AM	8.34	8.27	29.10	28.50	3.02	9.00
WSR02	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	8:41:00 AM	8.21	8.35	29.16	28.56	3.02	9.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR02	20210826	Sunny	Moderate	Mid-Flood	Middle	4.50	8:40:00 AM	8.27	8.37	29.14	28.53	2.76	5.00
WSR02	20210826	Sunny	Moderate	Mid-Flood	Middle	4.50	8:40:00 AM	8.01	8.27	29.33	28.55	2.56	5.00
WSR02	20210826	Sunny	Moderate	Mid-Flood	Bottom	8.00	8:39:00 AM	8.07	8.36	29.08	28.50	2.25	9.00
WSR02	20210826	Sunny	Moderate	Mid-Flood	Bottom	8.00	8:39:00 AM	7.95	8.29	29.38	28.55	2.59	9.00
WSR02	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	8:45:00 AM	8.11	8.18	29.21	28.77	2.72	5.00
WSR02	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	8:45:00 AM	8.06	8.28	29.29	28.66	3.22	4.00
WSR02	20210828	Sunny	Moderate	Mid-Flood	Middle	4.65	8:44:00 AM	7.72	8.29	29.46	28.57	3.22	7.00
WSR02	20210828	Sunny	Moderate	Mid-Flood	Middle	4.65	8:44:00 AM	7.95	8.26	29.43	28.57	3.21	7.00
WSR02	20210828	Sunny	Moderate	Mid-Flood	Bottom	8.30	8:43:00 AM	8.05	8.24	29.25	28.46	3.09	9.00
WSR02	20210828	Sunny	Moderate	Mid-Flood	Bottom	8.30	8:43:00 AM	8.14	8.24	29.37	28.64	2.65	9.00
WSR02	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:42:00 PM	9.43	8.30	29.42	28.00	3.10	8.00
WSR02	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:42:00 PM	9.47	8.33	29.63	27.97	2.98	9.00
WSR02	20210831	Cloudy	Moderate	Mid-Flood	Middle	4.65	4:41:00 PM	9.19	8.29	29.29	27.98	2.88	5.00
WSR02	20210831	Cloudy	Moderate	Mid-Flood	Middle	4.65	4:41:00 PM	9.68	8.27	29.25	28.03	2.95	3.00
WSR02	20210831	Cloudy	Moderate	Mid-Flood	Bottom	8.30	4:40:00 PM	9.53	8.31	29.37	27.98	2.47	8.00
WSR02	20210831	Cloudy	Moderate	Mid-Flood	Bottom	8.30	4:40:00 PM	9.23	8.27	29.47	28.05	2.74	8.00
WSR03	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:02:00 PM	8.29	8.10	30.88	27.59	2.13	13.00
WSR03	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:02:00 PM	8.63	8.15	30.90	27.49	1.84	13.00
WSR03	20210803	Cloudy	Moderate	Mid-Flood	Middle	4.15	3:01:00 PM	8.58	8.21	30.75	27.49	1.75	6.00
WSR03	20210803	Cloudy	Moderate	Mid-Flood	Middle	4.15	3:01:00 PM	8.12	8.20	31.06	27.57	1.46	4.00
WSR03	20210803	Cloudy	Moderate	Mid-Flood	Bottom	7.30	3:00:00 PM	8.35	8.13	30.89	27.50	1.80	14.00
WSR03	20210803	Cloudy	Moderate	Mid-Flood	Bottom	7.30	3:00:00 PM	8.35	8.13	30.63	27.48	1.67	14.00
WSR03	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:54:00 PM	8.48	8.05	30.07	27.78	2.77	3.00
WSR03	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:54:00 PM	8.36	7.98	30.18	27.62	2.95	3.00
WSR03	20210805	Cloudy	Moderate	Mid-Flood	Middle	3.95	4:53:00 PM	8.00	8.07	30.05	27.90	2.90	14.00
WSR03	20210805	Cloudy	Moderate	Mid-Flood	Middle	3.95	4:53:00 PM	8.52	8.06	30.09	27.89	2.53	14.00
WSR03	20210805	Cloudy	Moderate	Mid-Flood	Bottom	6.90	4:52:00 PM	8.45	8.01	30.23	27.86	2.33	5.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR03	20210805	Cloudy	Moderate	Mid-Flood	Bottom	6.90	4:52:00 PM	8.04	8.06	30.02	27.76	2.04	3.00
WSR03	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:42:00 PM	9.26	7.99	31.67	28.13	2.04	4.00
WSR03	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:42:00 PM	9.50	7.99	31.54	28.19	2.33	2.50
WSR03	20210807	Cloudy	Moderate	Mid-Flood	Middle	4.25	5:41:00 PM	9.45	8.06	31.26	28.11	2.26	8.00
WSR03	20210807	Cloudy	Moderate	Mid-Flood	Middle	4.25	5:41:00 PM	9.24	8.06	31.29	28.20	2.60	8.00
WSR03	20210807	Cloudy	Moderate	Mid-Flood	Bottom	7.50	5:40:00 PM	9.27	7.97	31.40	28.32	2.26	4.00
WSR03	20210807	Cloudy	Moderate	Mid-Flood	Bottom	7.50	5:40:00 PM	9.04	7.94	31.38	28.15	2.62	5.00
WSR03	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:05:00 PM	8.14	8.15	30.16	28.66	2.85	3.00
WSR03	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:05:00 PM	8.13	8.02	29.98	28.59	2.41	3.00
WSR03	20210810	Cloudy	Moderate	Mid-Flood	Middle	3.90	6:04:00 PM	8.43	8.08	30.18	28.69	2.84	2.50
WSR03	20210810	Cloudy	Moderate	Mid-Flood	Middle	3.90	6:04:00 PM	8.10	8.11	30.29	28.60	2.67	3.00
WSR03	20210810	Cloudy	Moderate	Mid-Flood	Bottom	6.80	6:03:00 PM	8.35	8.06	30.15	28.71	2.14	2.50
WSR03	20210810	Cloudy	Moderate	Mid-Flood	Bottom	6.80	6:03:00 PM	8.18	8.03	29.98	28.66	2.51	3.00
WSR03	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	8:52:00 AM	8.34	8.11	30.75	28.58	2.52	2.50
WSR03	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	8:52:00 AM	8.22	8.22	30.76	28.54	2.36	2.50
WSR03	20210812	Sunny	Moderate	Mid-Flood	Middle	4.25	8:51:00 AM	8.40	8.24	30.57	28.71	2.81	3.00
WSR03	20210812	Sunny	Moderate	Mid-Flood	Middle	4.25	8:51:00 AM	8.21	8.22	30.36	28.60	2.38	4.00
WSR03	20210812	Sunny	Moderate	Mid-Flood	Bottom	7.50	8:50:00 AM	8.50	8.14	30.45	28.59	2.36	2.50
WSR03	20210812	Sunny	Moderate	Mid-Flood	Bottom	7.50	8:50:00 AM	8.45	8.19	30.71	28.63	2.40	3.00
WSR03	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	9:42:00 AM	7.92	8.06	31.30	28.32	2.37	3.00
WSR03	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	9:42:00 AM	8.88	8.10	31.15	28.33	2.64	3.00
WSR03	20210814	Sunny	Moderate	Mid-Flood	Middle	3.75	9:41:00 AM	7.96	8.08	30.82	28.33	2.54	9.00
WSR03	20210814	Sunny	Moderate	Mid-Flood	Middle	3.75	9:41:00 AM	8.67	8.12	31.33	28.25	2.34	9.00
WSR03	20210814	Sunny	Moderate	Mid-Flood	Bottom	6.50	9:40:00 AM	8.38	8.21	30.88	28.40	2.45	4.00
WSR03	20210814	Sunny	Moderate	Mid-Flood	Bottom	6.50	9:40:00 AM	8.66	8.10	30.98	28.36	2.14	2.50
WSR03	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	1:59:00 PM	8.45	8.25	30.77	29.31	2.12	4.00
WSR03	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	1:59:00 PM	9.05	8.12	30.95	29.29	2.25	7.00

	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
-	WSR03	20210817	Sunny	Moderate	Mid-Flood	Middle	4.25	1:58:00 PM	8.69	8.22	30.66	29.21	1.74	5.00
	WSR03	20210817	Sunny	Moderate	Mid-Flood	Middle	4.25	1:58:00 PM	8.40	8.14	30.92	29.31	1.63	4.00
	WSR03	20210817	Sunny	Moderate	Mid-Flood	Bottom	7.50	1:57:00 PM	8.94	8.19	30.85	29.21	1.80	9.00
	WSR03	20210817	Sunny	Moderate	Mid-Flood	Bottom	7.50	1:57:00 PM	8.89	8.13	30.97	29.33	1.91	9.00
	WSR03	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:43:00 PM	8.14	8.24	30.16	28.39	2.68	6.00
	WSR03	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:43:00 PM	8.33	8.22	30.05	28.46	2.41	4.00
	WSR03	20210819	Cloudy	Moderate	Mid-Flood	Middle	3.95	4:42:00 PM	8.73	8.16	30.27	28.47	2.27	6.00
	WSR03	20210819	Cloudy	Moderate	Mid-Flood	Middle	3.95	4:42:00 PM	8.37	8.14	30.41	28.46	2.12	7.00
	WSR03	20210819	Cloudy	Moderate	Mid-Flood	Bottom	6.90	4:41:00 PM	8.80	8.23	30.19	28.36	2.27	9.00
	WSR03	20210819	Cloudy	Moderate	Mid-Flood	Bottom	6.90	4:41:00 PM	8.76	8.16	29.90	28.52	2.45	9.00
	WSR03	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:36:00 PM	7.33	8.31	30.02	28.24	2.50	9.00
	WSR03	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:36:00 PM	7.63	8.47	30.09	28.20	2.69	9.00
	WSR03	20210821	Sunny	Moderate	Mid-Flood	Middle	4.05	5:35:00 PM	7.74	8.30	29.95	28.37	2.73	9.00
	WSR03	20210821	Sunny	Moderate	Mid-Flood	Middle	4.05	5:35:00 PM	7.38	8.56	29.82	28.40	2.75	9.00
	WSR03	20210821	Sunny	Moderate	Mid-Flood	Bottom	7.10	5:34:00 PM	7.37	8.53	30.35	28.36	2.14	7.00
	WSR03	20210821	Sunny	Moderate	Mid-Flood	Bottom	7.10	5:34:00 PM	7.49	8.55	30.05	28.38	2.49	8.00
	WSR03	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:00:00 PM	8.79	8.40	30.73	28.37	2.42	7.00
	WSR03	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:00:00 PM	8.40	8.36	30.73	28.40	2.14	8.00
	WSR03	20210824	Sunny	Moderate	Mid-Flood	Middle	3.70	5:59:00 PM	8.13	8.38	31.14	28.32	2.01	9.00
	WSR03	20210824	Sunny	Moderate	Mid-Flood	Middle	3.70	5:59:00 PM	8.45	8.36	30.81	28.46	2.24	8.00
	WSR03	20210824	Sunny	Moderate	Mid-Flood	Bottom	6.40	5:58:00 PM	8.44	8.36	31.14	28.37	2.16	8.00
	WSR03	20210824	Sunny	Moderate	Mid-Flood	Bottom	6.40	5:58:00 PM	8.26	8.34	30.96	28.39	2.51	8.00
	WSR03	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	8:53:00 AM	9.04	8.36	29.92	28.18	2.20	2.50
	WSR03	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	8:53:00 AM	8.95	8.33	29.75	28.24	2.48	2.50
	WSR03	20210826	Sunny	Moderate	Mid-Flood	Middle	3.70	8:52:00 AM	9.08	8.24	29.67	28.13	2.16	6.00
	WSR03	20210826	Sunny	Moderate	Mid-Flood	Middle	3.70	8:52:00 AM	9.14	8.27	29.82	28.24	2.55	4.00
	WSR03	20210826	Sunny	Moderate	Mid-Flood	Bottom	6.40	8:51:00 AM	8.76	8.25	29.67	28.24	2.37	9.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR03	20210826	Sunny	Moderate	Mid-Flood	Bottom	6.40	8:51:00 AM	8.97	8.32	29.95	28.23	2.28	9.00
WSR03	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	8:58:00 AM	8.95	8.32	29.54	27.94	2.98	4.00
WSR03	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	8:58:00 AM	8.86	8.21	29.49	28.00	2.89	5.00
WSR03	20210828	Sunny	Moderate	Mid-Flood	Middle	4.20	8:57:00 AM	8.81	8.22	29.59	27.97	2.67	4.00
WSR03	20210828	Sunny	Moderate	Mid-Flood	Middle	4.20	8:57:00 AM	8.70	8.36	29.57	28.06	2.73	5.00
WSR03	20210828	Sunny	Moderate	Mid-Flood	Bottom	7.40	8:56:00 AM	8.69	8.20	29.32	28.11	2.98	7.00
WSR03	20210828	Sunny	Moderate	Mid-Flood	Bottom	7.40	8:56:00 AM	8.59	8.23	29.51	27.80	2.93	7.00
WSR03	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:55:00 PM	9.26	8.22	30.62	28.37	2.86	4.00
WSR03	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:55:00 PM	9.07	8.21	30.38	28.42	2.66	6.00
WSR03	20210831	Cloudy	Moderate	Mid-Flood	Middle	3.85	4:54:00 PM	9.21	8.13	30.45	28.47	2.69	5.00
WSR03	20210831	Cloudy	Moderate	Mid-Flood	Middle	3.85	4:54:00 PM	9.64	8.23	30.14	28.34	2.64	5.00
WSR03	20210831	Cloudy	Moderate	Mid-Flood	Bottom	6.70	4:53:00 PM	9.11	8.15	30.24	28.39	2.06	5.00
WSR03	20210831	Cloudy	Moderate	Mid-Flood	Bottom	6.70	4:53:00 PM	9.22	8.21	30.39	28.33	1.87	5.00
WSR04	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:13:00 PM	8.34	8.12	31.00	27.61	2.24	2.50
WSR04	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:13:00 PM	8.33	8.35	30.67	27.46	2.16	2.50
WSR04	20210803	Cloudy	Moderate	Mid-Flood	Middle	3.90	3:12:00 PM	8.66	8.17	30.82	27.61	1.92	7.00
WSR04	20210803	Cloudy	Moderate	Mid-Flood	Middle	3.90	3:12:00 PM	8.28	8.22	30.92	27.61	1.77	5.00
WSR04	20210803	Cloudy	Moderate	Mid-Flood	Bottom	6.80	3:11:00 PM	8.62	8.24	30.80	27.47	1.59	4.00
WSR04	20210803	Cloudy	Moderate	Mid-Flood	Bottom	6.80	3:11:00 PM	8.46	8.10	30.85	27.59	1.79	5.00
WSR04	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:08:00 PM	7.98	8.03	30.12	27.61	2.72	2.50
WSR04	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:08:00 PM	7.67	8.03	30.19	27.81	2.37	3.00
WSR04	20210805	Cloudy	Moderate	Mid-Flood	Middle	3.90	5:07:00 PM	7.68	8.09	30.08	27.64	2.86	3.00
WSR04	20210805	Cloudy	Moderate	Mid-Flood	Middle	3.90	5:07:00 PM	7.82	7.97	30.17	27.67	2.88	3.00
WSR04	20210805	Cloudy	Moderate	Mid-Flood	Bottom	6.80	5:06:00 PM	8.12	7.97	30.09	27.78	2.08	7.00
WSR04	20210805	Cloudy	Moderate	Mid-Flood	Bottom	6.80	5:06:00 PM	7.59	8.10	30.06	27.80	2.04	8.00
WSR04	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:51:00 PM	8.78	8.25	30.81	28.25	1.93	6.00
WSR04	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:51:00 PM	8.91	8.14	30.77	28.19	1.82	6.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR04	20210807	Cloudy	Moderate	Mid-Flood	Middle	3.45	5:50:00 PM	8.23	8.17	31.08	28.27	2.25	4.00
WSR04	20210807	Cloudy	Moderate	Mid-Flood	Middle	3.45	5:50:00 PM	8.38	8.22	31.02	28.12	2.08	7.00
WSR04	20210807	Cloudy	Moderate	Mid-Flood	Bottom	5.90	5:49:00 PM	8.65	8.11	30.71	28.18	1.62	3.00
WSR04	20210807	Cloudy	Moderate	Mid-Flood	Bottom	5.90	5:49:00 PM	8.59	8.19	30.87	28.13	1.70	5.00
WSR04	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:14:00 PM	8.32	8.22	29.78	28.62	2.98	2.50
WSR04	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:14:00 PM	8.30	8.08	29.70	28.46	3.14	4.00
WSR04	20210810	Cloudy	Moderate	Mid-Flood	Middle	3.45	6:13:00 PM	8.36	8.18	29.38	28.63	3.17	2.50
WSR04	20210810	Cloudy	Moderate	Mid-Flood	Middle	3.45	6:13:00 PM	8.46	8.19	29.78	28.59	2.65	3.00
WSR04	20210810	Cloudy	Moderate	Mid-Flood	Bottom	5.90	6:12:00 PM	8.62	8.22	29.44	28.62	2.86	4.00
WSR04	20210810	Cloudy	Moderate	Mid-Flood	Bottom	5.90	6:12:00 PM	8.66	8.09	29.48	28.52	2.74	2.50
WSR04	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	9:03:00 AM	8.21	8.12	30.57	28.50	3.26	2.50
WSR04	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	9:03:00 AM	8.65	8.17	30.45	28.50	2.93	2.50
WSR04	20210812	Sunny	Moderate	Mid-Flood	Middle	3.35	9:02:00 AM	8.34	8.25	30.60	28.69	2.51	2.50
WSR04	20210812	Sunny	Moderate	Mid-Flood	Middle	3.35	9:02:00 AM	8.64	8.23	30.54	28.80	2.76	4.00
WSR04	20210812	Sunny	Moderate	Mid-Flood	Bottom	5.70	9:01:00 AM	8.37	8.22	30.35	28.80	2.62	5.00
WSR04	20210812	Sunny	Moderate	Mid-Flood	Bottom	5.70	9:01:00 AM	8.39	8.17	30.46	28.60	2.65	5.00
WSR04	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	9:55:00 AM	7.48	8.12	30.55	28.21	2.63	4.00
WSR04	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	9:55:00 AM	7.91	8.14	31.09	28.18	2.48	4.00
WSR04	20210814	Sunny	Moderate	Mid-Flood	Middle	3.50	9:54:00 AM	8.05	8.00	31.18	28.33	1.96	3.00
WSR04	20210814	Sunny	Moderate	Mid-Flood	Middle	3.50	9:54:00 AM	7.58	8.00	30.87	28.26	1.77	3.00
WSR04	20210814	Sunny	Moderate	Mid-Flood	Bottom	6.00	9:53:00 AM	7.17	8.00	30.86	28.31	2.25	3.00
WSR04	20210814	Sunny	Moderate	Mid-Flood	Bottom	6.00	9:53:00 AM	7.78	8.12	31.04	28.26	2.28	3.00
WSR04	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	2:11:00 PM	8.38	8.03	29.88	29.52	3.01	8.00
WSR04	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	2:11:00 PM	8.15	8.05	30.06	29.59	2.63	8.00
WSR04	20210817	Sunny	Moderate	Mid-Flood	Middle	3.50	2:10:00 PM	7.92	8.10	30.09	29.57	2.79	4.00
WSR04	20210817	Sunny	Moderate	Mid-Flood	Middle	3.50	2:10:00 PM	8.02	7.99	30.04	29.56	2.66	6.00
WSR04	20210817	Sunny	Moderate	Mid-Flood	Bottom	6.00	2:09:00 PM	8.53	8.04	29.85	29.57	2.33	9.00

WSR04 20210817 Sunny Moderate Mid-Flood Bottm 6.00 2:09:00 PM 8.18 8.04 30.13 29.64 2.4.8 9.00 WSR04 20210819 Cloudy Moderate Mid-Flood Surface 1.00 4:56:00 PM 9.04 8.20 31.04 28.59 3.53 5.00 WSR04 20210819 Cloudy Moderate Mid-Flood Midrate 1.00 4:56:00 PM 9.97 8.03 31.23 28.73 3.45 3.00 WSR04 20210819 Cloudy Moderate Mid-Flood Bottom 6.60 4:54:00 PM 9.14 8.18 31.16 28.69 2.90 10.00 WSR04 20210819 Cloudy Moderate Mid-Flood Bottom 6.60 4:54:00 PM 7.38 8.24 30.68 28.46 2.92 7.00 WSR04 20210821 Sunny Moderate Mid-Flood Surface 1.00 5:44:00 PM 7.48 8.08 30.32 28.48<		Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR04 20210819 Cloudy Moderate Mid-Flood Surface 1.00 4:56:00 PM 9.57 8.03 31.23 28.73 3.45 3.00 WSR04 20210819 Cloudy Moderate Mid-Flood Middle 3.80 4:55:00 PM 8.97 8.05 30.96 28.64 2.89 4.00 WSR04 20210819 Cloudy Moderate Mid-Flood Middle 3.80 4:55:00 PM 9.14 8.18 31.16 28.69 2.71 3.00 WSR04 20210819 Cloudy Moderate Mid-Flood Bottom 6.60 4:54:00 PM 8.83 8.23 31.41 28.75 2.45 1.00 WSR04 20210821 Sunny Moderate Mid-Flood Surface 1.00 5:44:00 PM 7.58 8.08 30.32 28.48 2.95 5.00 WSR04 20210821 Sunny Moderate Mid-Flood Middle 3.75 5:43:00 PM 7.44 8.32 30.30 28.48 2.30 4.00 WSR04 </td <td>_</td> <td>WSR04</td> <td>20210817</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Bottom</td> <td>6.00</td> <td>2:09:00 PM</td> <td>8.18</td> <td>8.04</td> <td>30.13</td> <td>29.64</td> <td>2.48</td> <td>9.00</td>	_	WSR04	20210817	Sunny	Moderate	Mid-Flood	Bottom	6.00	2:09:00 PM	8.18	8.04	30.13	29.64	2.48	9.00
WSR04 20210819 Cloudy Moderate Mid-Flood Middle 3.80 4:55:00 PM 8.97 8.05 30.96 28.64 2.89 4.00 WSR04 20210819 Cloudy Moderate Mid-Flood Bottom 6.60 4:54:00 PM 9.14 8.18 31.16 28.69 2.71 3.00 WSR04 20210819 Cloudy Moderate Mid-Flood Bottom 6.60 4:54:00 PM 9.58 8.13 31.49 28.69 2.90 10.00 WSR04 20210821 Sunny Moderate Mid-Flood Surface 1.00 5:44:00 PM 7.58 8.08 30.32 28.44 2.95 5.00 WSR04 20210821 Sunny Moderate Mid-Flood Surface 1.00 5:44:00 PM 7.44 8.30 30.22 28.55 3.11 8.00 WSR04 20210821 Sunny Moderate Mid-Flood Middle 3.75 5:43:00 PM 7.44 8.30 30.99 28.43 2.63 3.00 WSR04 </td <td></td> <td>WSR04</td> <td>20210819</td> <td>Cloudy</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Surface</td> <td>1.00</td> <td>4:56:00 PM</td> <td>9.04</td> <td>8.20</td> <td>31.04</td> <td>28.59</td> <td>3.53</td> <td>5.00</td>		WSR04	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:56:00 PM	9.04	8.20	31.04	28.59	3.53	5.00
WSR04 20210819 Cloudy Moderate Mid-Flood Midele 3.80 4:55:00 PM 9.14 8.18 31.16 28.69 2.71 3.00 WSR04 20210819 Cloudy Moderate Mid-Flood Bottom 6.60 4:54:00 PM 9.58 8.13 31.49 28.69 2.90 10.00 WSR04 20210819 Cloudy Moderate Mid-Flood Surface 1.00 5:44:00 PM 8.83 8.23 31.41 28.75 2.45 10.00 WSR04 20210821 Sunny Moderate Mid-Flood Surface 1.00 5:44:00 PM 7.88 8.08 30.32 28.54 2.95 5.00 WSR04 20210821 Sunny Moderate Mid-Flood Midele 3.75 5:43:00 PM 7.44 8.30 30.22 28.65 3.11 8.00 WSR04 20210821 Sunny Moderate Mid-Flood Bottom 6.50 5:42:00 PM 7.44 8.32 30.30 28.48 2.63 8.00 WSR04<		WSR04	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:56:00 PM	9.57	8.03	31.23	28.73	3.45	3.00
WSR04 20210819 Cloudy Moderate Mid-Flood Bottom 6.60 4:54:00 PM 9.58 8.13 31.49 28.69 2.90 10.00 WSR04 20210819 Cloudy Moderate Mid-Flood Bottom 6.60 4:54:00 PM 8.83 8.23 31.41 28.75 2.45 10.00 WSR04 20210821 Sunny Moderate Mid-Flood Surface 1.00 5:44:00 PM 7.38 8.24 30.68 28.46 2.92 7.00 WSR04 20210821 Sunny Moderate Mid-Flood Midele 3.75 5:43:00 PM 7.47 8.88 30.32 28.48 2.62 6.00 WSR04 20210821 Sunny Moderate Mid-Flood Bottom 6.50 5:42:00 PM 7.44 8.30 30.22 28.65 3.11 8.00 WSR04 20210821 Sunny Moderate Mid-Flood Bottom 6.50 5:42:00 PM 7.50 8.19 30.71 28.59 2.12 4.00 WSR04 <td></td> <td>WSR04</td> <td>20210819</td> <td>Cloudy</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Middle</td> <td>3.80</td> <td>4:55:00 PM</td> <td>8.97</td> <td>8.05</td> <td>30.96</td> <td>28.64</td> <td>2.89</td> <td>4.00</td>		WSR04	20210819	Cloudy	Moderate	Mid-Flood	Middle	3.80	4:55:00 PM	8.97	8.05	30.96	28.64	2.89	4.00
WSR0420210819 CloudyModerateMid-FloodBottom6.604:54:00 PM8.838.2331.4128.752.4510.00WSR0420210821 SunnyModerateMid-FloodSurface1.005:44:00 PM7.388.2430.6828.462.927.00WSR0420210821 SunnyModerateMid-FloodSurface1.005:44:00 PM7.588.0830.3228.542.955.00WSR0420210821 SunnyModerateMid-FloodMiddle3.755:43:00 PM7.478.0830.3228.653.118.00WSR0420210821 SunnyModerateMid-FloodMiddle3.755:43:00 PM7.448.3030.2228.653.118.00WSR0420210821 SunnyModerateMid-FloodBottom6.505:42:00 PM7.448.3230.3028.482.634.00WSR0420210824 SunnyModerateMid-FloodBottom6.505:42:00 PM7.568.1930.7128.592.124.00WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.558.383.0928.462.638.00WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.518.383.0928.542.508.00WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.128.343.03 <td></td> <td>WSR04</td> <td>20210819</td> <td>Cloudy</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Middle</td> <td>3.80</td> <td>4:55:00 PM</td> <td>9.14</td> <td>8.18</td> <td>31.16</td> <td>28.69</td> <td>2.71</td> <td>3.00</td>		WSR04	20210819	Cloudy	Moderate	Mid-Flood	Middle	3.80	4:55:00 PM	9.14	8.18	31.16	28.69	2.71	3.00
WSR04 20210821 Sunny Moderate Mid-Flood Surface 1.00 5:44:00 PM 7.38 8.24 30.68 28.46 2.92 7.00 WSR04 20210821 Sunny Moderate Mid-Flood Surface 1.00 5:44:00 PM 7.58 8.08 30.32 28.54 2.95 5.00 WSR04 20210821 Sunny Moderate Mid-Flood Midle 3.75 5:43:00 PM 7.47 8.08 30.32 28.48 2.62 6.00 WSR04 20210821 Sunny Moderate Mid-Flood Bottom 6.50 5:42:00 PM 7.44 8.30 30.22 28.65 3.11 8.00 WSR04 20210821 Sunny Moderate Mid-Flood Bottom 6.50 5:42:00 PM 7.50 8.19 30.71 28.59 2.12 4.00 WSR04 20210824 Sunny Moderate Mid-Flood Surface 1.00 6:08:00 PM 8.65 8.38 30.98 28.46 2.67 8.00 WSR04<		WSR04	20210819	Cloudy	Moderate	Mid-Flood	Bottom	6.60	4:54:00 PM	9.58	8.13	31.49	28.69	2.90	10.00
WSR04 20210821 Sunny Moderate Mid-Flood Surface 1.00 5:44:00 PM 7.58 8.08 30.32 28.54 2.95 5.00 WSR04 20210821 Sunny Moderate Mid-Flood Midele 3.75 5:43:00 PM 7.47 8.08 30.35 28.48 2.62 6.00 WSR04 20210821 Sunny Moderate Mid-Flood Midele 3.75 5:43:00 PM 7.44 8.30 30.22 28.65 3.11 8.00 WSR04 20210821 Sunny Moderate Mid-Flood Bottom 6.50 5:42:00 PM 7.44 8.32 30.30 28.48 2.30 4.00 WSR04 20210824 Sunny Moderate Mid-Flood Surface 1.00 6:08:00 PM 8.57 8.30 30.99 28.43 2.63 8.00 WSR04 20210824 Sunny Moderate Mid-Flood Surface 1.00 6:08:00 PM 8.65 8.38 30.93 28.54 2.60 6:00 WSR04		WSR04	20210819	Cloudy	Moderate	Mid-Flood	Bottom	6.60	4:54:00 PM	8.83	8.23	31.41	28.75	2.45	10.00
WSR0420210821 SunnyModerateMid-FloodMiddle3.755.43:00 PM7.478.0830.3528.482.626.00WSR0420210821 SunnyModerateMid-FloodMiddle3.755.43:00 PM7.448.3030.2228.653.118.00WSR0420210821 SunnyModerateMid-FloodBottom6.505.42:00 PM7.448.3230.3028.482.304.00WSR0420210821 SunnyModerateMid-FloodBottom6.505.42:00 PM7.508.1930.7128.592.124.00WSR0420210824 SunnyModerateMid-FloodSurface1.006.08:00 PM8.578.3030.9928.432.638.00WSR0420210824 SunnyModerateMid-FloodSurface1.006.08:00 PM8.658.3830.9828.462.678.00WSR0420210824 SunnyModerateMid-FloodSurface1.006.08:00 PM8.658.3830.9328.462.678.00WSR0420210824 SunnyModerateMid-FloodMiddle3.556.07:00 PM8.688.2731.4828.462.806.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.128.3430.9328.542.508.00WSR0420210824 SunnyModerateMid-FloodSurface1.009:06:00 AM8.038.1330.21 <td></td> <td>WSR04</td> <td>20210821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Surface</td> <td>1.00</td> <td>5:44:00 PM</td> <td>7.38</td> <td>8.24</td> <td>30.68</td> <td>28.46</td> <td>2.92</td> <td>7.00</td>		WSR04	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:44:00 PM	7.38	8.24	30.68	28.46	2.92	7.00
WSR0420210821 SunnyModerateMid-FloodMiddle3.755:43:00 PM7.448.3030.2228.653.118.00WSR0420210821 SunnyModerateMid-FloodBottom6.505:42:00 PM7.448.3230.3028.482.304.00WSR0420210821 SunnyModerateMid-FloodBottom6.505:42:00 PM7.508.1930.7128.592.124.00WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.578.3030.9928.432.638.00WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.658.3830.9828.462.678.00WSR0420210824 SunnyModerateMid-FloodMiddle3.556:07:00 PM8.688.2731.4828.462.806.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.128.3430.9328.542.508.00WSR0420210824 SunnyModerateMid-FloodSurface1.009:06:00 AM8.128.3430.9328.482.508.00WSR0420210824 SunnyModerateMid-FloodSurface1.009:06:00 AM8.1330.2128.282.508.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0428.30 </td <td></td> <td>WSR04</td> <td>20210821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Surface</td> <td>1.00</td> <td>5:44:00 PM</td> <td>7.58</td> <td>8.08</td> <td>30.32</td> <td>28.54</td> <td>2.95</td> <td>5.00</td>		WSR04	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:44:00 PM	7.58	8.08	30.32	28.54	2.95	5.00
WSR0420210821 SunnyModerateMid-FloodBottom6.505:42:00 PM7.448.3230.3028.482.304.00WSR0420210821 SunnyModerateMid-FloodBottom6.505:42:00 PM7.508.1930.7128.592.124.00WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.578.3030.9928.432.638.00WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.658.3830.9828.462.678.00WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.658.3830.9828.462.678.00WSR0420210824 SunnyModerateMid-FloodMiddle3.556:07:00 PM8.468.2731.4828.462.806.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.128.3430.9328.542.508.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.128.3130.2128.282.508.00WSR0420210824 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1330.2128.282.508.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.04 <td></td> <td>WSR04</td> <td>20210821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Middle</td> <td>3.75</td> <td>5:43:00 PM</td> <td>7.47</td> <td>8.08</td> <td>30.35</td> <td>28.48</td> <td>2.62</td> <td>6.00</td>		WSR04	20210821	Sunny	Moderate	Mid-Flood	Middle	3.75	5:43:00 PM	7.47	8.08	30.35	28.48	2.62	6.00
WSR0420210821 SunnyModerateMid-FloodBottom6.505.42:00 PM7.508.1930.7128.592.124.00WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.578.3030.9928.432.638.00WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.658.3830.9828.662.678.00WSR0420210824 SunnyModerateMid-FloodMidle3.556:07:00 PM8.468.2731.2528.462.806.00WSR0420210824 SunnyModerateMid-FloodMidle3.556:07:00 PM8.688.2731.4828.462.806.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.128.3430.9328.542.508.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.128.3430.9328.542.508.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM8.038.1330.2128.202.659.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0428.302.599.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.02		WSR04	20210821	Sunny	Moderate	Mid-Flood	Middle	3.75	5:43:00 PM	7.44	8.30	30.22	28.65	3.11	8.00
WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.578.3030.9928.432.638.00WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.658.3830.9828.462.678.00WSR0420210824 SunnyModerateMid-FloodMiddle3.556:07:00 PM8.468.2731.2528.462.806.00WSR0420210824 SunnyModerateMid-FloodMiddle3.556:07:00 PM8.688.2731.4828.462.806.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.128.3430.9328.542.508.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.338.2631.0028.482.508.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM8.038.1330.2128.202.659.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0428.302.599.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0228.252.523.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM8.038.0930.02 </td <td></td> <td>WSR04</td> <td>20210821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Bottom</td> <td>6.50</td> <td>5:42:00 PM</td> <td>7.44</td> <td>8.32</td> <td>30.30</td> <td>28.48</td> <td>2.30</td> <td>4.00</td>		WSR04	20210821	Sunny	Moderate	Mid-Flood	Bottom	6.50	5:42:00 PM	7.44	8.32	30.30	28.48	2.30	4.00
WSR0420210824 SunnyModerateMid-FloodSurface1.006:08:00 PM8.658.3830.9828.462.678.00WSR0420210824 SunnyModerateMid-FloodMiddle3.556:07:00 PM8.468.2731.2528.462.806.00WSR0420210824 SunnyModerateMid-FloodMiddle3.556:07:00 PM8.688.2731.4828.462.806.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.128.3430.9328.542.508.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.338.2631.0028.482.508.00WSR0420210826 SunnyModerateMid-FloodBottom6.106:06:00 PM8.338.1330.2128.202.659.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0428.302.599.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:05:00 AM8.038.0930.0228.252.523.00WSR0420210826 SunnyModerateMid-FloodMidle3.809:05:00 AM8.038.0930.2028.292.367.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.20<		WSR04	20210821	Sunny	Moderate	Mid-Flood	Bottom	6.50	5:42:00 PM	7.50	8.19	30.71	28.59	2.12	4.00
WSR0420210824 SunnyModerateMid-FloodMiddle3.556.07:00 PM8.468.2731.2528.462.806.00WSR0420210824 SunnyModerateMid-FloodMiddle3.556.07:00 PM8.688.2731.4828.462.806.00WSR0420210824 SunnyModerateMid-FloodBottom6.106.06:00 PM8.128.3430.9328.542.508.00WSR0420210824 SunnyModerateMid-FloodBottom6.106.06:00 PM8.338.2631.0028.482.508.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM8.038.1330.2128.202.659.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0428.302.599.00WSR0420210826 SunnyModerateMid-FloodMidle3.809:05:00 AM8.038.0930.0228.252.523.00WSR0420210826 SunnyModerateMid-FloodMidle3.809:05:00 AM8.038.0930.0228.282.194.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.2028.292.367.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.20 <td< td=""><td></td><td>WSR04</td><td>20210824</td><td>Sunny</td><td>Moderate</td><td>Mid-Flood</td><td>Surface</td><td>1.00</td><td>6:08:00 PM</td><td>8.57</td><td>8.30</td><td>30.99</td><td>28.43</td><td>2.63</td><td>8.00</td></td<>		WSR04	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:08:00 PM	8.57	8.30	30.99	28.43	2.63	8.00
WSR0420210824 SunnyModerateMid-FloodMiddle3.556:07:00 PM8.688.2731.4828.462.806.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.128.3430.9328.542.508.00WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.338.2631.0028.482.508.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM8.038.1330.2128.202.659.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0428.302.599.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0428.302.599.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM8.038.0930.0228.252.523.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:05:00 AM8.038.0930.0228.282.194.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.2028.292.367.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.038.2030.17 <td></td> <td>WSR04</td> <td>20210824</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Surface</td> <td>1.00</td> <td>6:08:00 PM</td> <td>8.65</td> <td>8.38</td> <td>30.98</td> <td>28.46</td> <td>2.67</td> <td>8.00</td>		WSR04	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:08:00 PM	8.65	8.38	30.98	28.46	2.67	8.00
WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.128.3430.9328.542.508.00WSR0420210826 SunnyModerateMid-FloodBottom6.106:06:00 PM8.338.2631.0028.482.508.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM8.038.1330.2128.202.659.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0428.302.599.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:05:00 AM8.038.0930.0228.252.523.00WSR0420210826 SunnyModerateMid-FloodMidle3.809:05:00 AM8.038.0930.0228.282.194.00WSR0420210826 SunnyModerateMid-FloodMidle3.809:05:00 AM8.028.1830.1528.282.194.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.2028.292.367.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.038.2030.1728.292.527.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:11:00 AM8.888.3129.36<		WSR04	20210824	Sunny	Moderate	Mid-Flood	Middle	3.55	6:07:00 PM	8.46	8.27	31.25	28.46	2.80	6.00
WSR0420210824 SunnyModerateMid-FloodBottom6.106:06:00 PM8.338.2631.0028.482.508.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM8.038.1330.2128.202.659.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0428.302.599.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:05:00 AM8.038.0930.0228.252.523.00WSR0420210826 SunnyModerateMid-FloodMiddle3.809:05:00 AM8.028.1830.1528.282.194.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.2028.292.367.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.2028.292.367.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.038.2030.1728.292.527.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:11:00 AM8.888.3129.3628.722.964.00		WSR04	20210824	Sunny	Moderate	Mid-Flood	Middle	3.55	6:07:00 PM	8.68	8.27	31.48	28.46	2.80	6.00
WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM8.038.1330.2128.202.659.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0428.302.599.00WSR0420210826 SunnyModerateMid-FloodMiddle3.809:05:00 AM8.038.038.0930.0228.252.523.00WSR0420210826 SunnyModerateMid-FloodMiddle3.809:05:00 AM8.028.1830.1528.282.194.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.2028.292.367.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.2028.292.527.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.038.2030.1728.292.527.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:11:00 AM8.888.3129.3628.722.964.00		WSR04	20210824	Sunny	Moderate	Mid-Flood	Bottom	6.10	6:06:00 PM	8.12	8.34	30.93	28.54	2.50	8.00
WSR0420210826 SunnyModerateMid-FloodSurface1.009:06:00 AM7.878.1730.0428.302.599.00WSR0420210826 SunnyModerateMid-FloodMiddle3.809:05:00 AM8.038.0930.0228.252.523.00WSR0420210826 SunnyModerateMid-FloodMiddle3.809:05:00 AM8.028.1830.1528.282.194.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.2028.292.367.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.038.2030.1728.292.367.00WSR0420210826 SunnyModerateMid-FloodSurface1.009:11:00 AM8.888.3129.3628.722.964.00		WSR04	20210824	Sunny	Moderate	Mid-Flood	Bottom	6.10	6:06:00 PM	8.33	8.26	31.00	28.48	2.50	8.00
WSR0420210826 SunnyModerateMid-FloodMiddle3.809:05:00 AM8.038.0930.0228.252.523.00WSR0420210826 SunnyModerateMid-FloodMiddle3.809:05:00 AM8.028.1830.1528.282.194.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.2028.292.367.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.038.2030.1728.292.527.00WSR0420210828 SunnyModerateMid-FloodSurface1.009:11:00 AM8.888.3129.3628.722.964.00		WSR04	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	9:06:00 AM	8.03	8.13	30.21	28.20	2.65	9.00
WSR0420210826 SunnyModerateMid-FloodMiddle3.809:05:00 AM8.028.1830.1528.282.194.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.2028.292.367.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.038.2030.1728.292.327.00WSR0420210828 SunnyModerateMid-FloodSurface1.009:11:00 AM8.888.3129.3628.722.964.00		WSR04	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	9:06:00 AM	7.87	8.17	30.04	28.30	2.59	9.00
WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.158.0930.2028.292.367.00WSR0420210826 SunnyModerateMid-FloodBottom6.609:04:00 AM8.038.2030.1728.292.527.00WSR0420210828 SunnyModerateMid-FloodSurface1.009:11:00 AM8.888.3129.3628.722.964.00		WSR04	20210826	Sunny	Moderate	Mid-Flood	Middle	3.80	9:05:00 AM	8.03	8.09	30.02	28.25	2.52	3.00
WSR04 20210826 Sunny Moderate Mid-Flood Bottom 6.60 9:04:00 AM 8.03 8.20 30.17 28.29 2.52 7.00 WSR04 20210828 Sunny Moderate Mid-Flood Surface 1.00 9:11:00 AM 8.88 8.31 29.36 28.72 2.96 4.00		WSR04	20210826	Sunny	Moderate	Mid-Flood	Middle	3.80	9:05:00 AM	8.02	8.18	30.15	28.28	2.19	4.00
WSR04 20210828 Sunny Moderate Mid-Flood Surface 1.00 9:11:00 AM 8.88 8.31 29.36 28.72 2.96 4.00		WSR04	20210826	Sunny	Moderate	Mid-Flood	Bottom	6.60	9:04:00 AM	8.15	8.09	30.20	28.29	2.36	7.00
		WSR04	20210826	Sunny	Moderate	Mid-Flood	Bottom	6.60	9:04:00 AM	8.03	8.20	30.17	28.29	2.52	7.00
WSR04 20210828 Sunny Moderate Mid-Flood Surface 1.00 9:11:00 AM 8.57 8.29 29.46 28.70 3.07 5.00		WSR04	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	9:11:00 AM	8.88	8.31	29.36	28.72	2.96	4.00
		WSR04	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	9:11:00 AM	8.57	8.29	29.46	28.70	3.07	5.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR04	20210828	Sunny	Moderate	Mid-Flood	Middle	3.75	9:10:00 AM	8.64	8.31	29.31	28.71	3.18	4.00
WSR04	20210828	Sunny	Moderate	Mid-Flood	Middle	3.75	9:10:00 AM	8.83	8.29	29.40	28.59	3.23	5.00
WSR04	20210828	Sunny	Moderate	Mid-Flood	Bottom	6.50	9:09:00 AM	8.87	8.21	29.43	28.73	2.77	6.00
WSR04	20210828	Sunny	Moderate	Mid-Flood	Bottom	6.50	9:09:00 AM	8.84	8.31	29.38	28.78	2.34	5.00
WSR04	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:08:00 PM	8.38	8.23	30.03	27.62	2.61	9.00
WSR04	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:08:00 PM	8.63	8.24	29.71	27.61	2.72	9.00
WSR04	20210831	Cloudy	Moderate	Mid-Flood	Middle	3.55	5:07:00 PM	9.05	8.24	29.71	27.56	2.45	4.00
WSR04	20210831	Cloudy	Moderate	Mid-Flood	Middle	3.55	5:07:00 PM	8.96	8.13	29.75	27.67	2.83	6.00
WSR04	20210831	Cloudy	Moderate	Mid-Flood	Bottom	6.10	5:06:00 PM	8.38	8.19	30.04	27.60	2.43	6.00
WSR04	20210831	Cloudy	Moderate	Mid-Flood	Bottom	6.10	5:06:00 PM	8.43	8.24	29.96	27.54	2.91	9.00
WSR16	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:03:00 PM	7.81	8.10	30.26	27.39	2.68	4.00
WSR16	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	4:03:00 PM	8.60	8.07	30.19	27.47	2.48	6.00
WSR16	20210803	Cloudy	Moderate	Mid-Flood	Middle	7.55	4:02:00 PM	8.02	8.05	30.34	27.34	2.72	5.00
WSR16	20210803	Cloudy	Moderate	Mid-Flood	Middle	7.55	4:02:00 PM	7.93	8.04	30.17	27.45	2.61	6.00
WSR16	20210803	Cloudy	Moderate	Mid-Flood	Bottom	14.10	4:01:00 PM	8.20	8.16	30.48	27.51	2.05	4.00
WSR16	20210803	Cloudy	Moderate	Mid-Flood	Bottom	14.10	4:01:00 PM	7.85	8.01	30.15	27.50	2.42	5.00
WSR16	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:13:00 PM	8.05	7.98	29.58	27.55	3.32	5.00
WSR16	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:13:00 PM	8.15	8.02	29.63	27.54	2.79	3.00
WSR16	20210805	Cloudy	Moderate	Mid-Flood	Middle	8.50	6:12:00 PM	7.99	8.01	29.62	27.65	2.56	3.00
WSR16	20210805	Cloudy	Moderate	Mid-Flood	Middle	8.50	6:12:00 PM	8.02	7.95	29.63	27.62	2.40	4.00
WSR16	20210805	Cloudy	Moderate	Mid-Flood	Bottom	16.00	6:11:00 PM	7.51	8.00	29.56	27.58	2.33	5.00
WSR16	20210805	Cloudy	Moderate	Mid-Flood	Bottom	16.00	6:11:00 PM	7.71	8.01	29.55	27.65	2.56	4.00
WSR16	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:37:00 PM	8.98	8.16	30.59	27.96	2.16	9.00
WSR16	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:37:00 PM	8.94	8.17	30.77	28.13	2.54	9.00
WSR16	20210807	Cloudy	Moderate	Mid-Flood	Middle	7.95	6:36:00 PM	9.23	8.17	30.85	27.99	2.59	8.00
WSR16	20210807	Cloudy	Moderate	Mid-Flood	Middle	7.95	6:36:00 PM	9.06	8.20	30.73	27.93	2.20	8.00
WSR16	20210807	Cloudy	Moderate	Mid-Flood	Bottom	14.90	6:35:00 PM	9.05	8.20	30.64	28.08	2.03	6.00

WSR16 20210810 Cloudy Moderate Mid-Flood Surface 1.00 6:58:00 PM 8.07 30.14 28.57 2.11 30.00 WSR16 20210810 Cloudy Moderate Mid-Flood Middle 7.55 6:57:00 PM 8.05 8.06 30.42 28.66 2.39 3.00 WSR16 20210810 Cloudy Moderate Mid-Flood Middle 7.55 6:57:00 PM 8.06 8.13 30.19 28.57 2.35 2.55 WSR16 20210810 Cloudy Moderate Mid-Flood Bottom 14.10 6:56:00 PM 8.27 8.00 30.24 28.64 1.75 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.41 8.20 30.44 28.52 2.67 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.19 8.27 3.051 28.52 2.67 4.00 WSR16 2	ſ	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR16 20210810 Cloudy Moderate Mid-Flood Surface 1.00 6:58:00 PM 8.15 8.10 30.42 28.66 2.39 30.00 WSR16 20210810 Cloudy Moderate Mid-Flood Middle 7.55 6:57:00 PM 8.05 8.06 30.24 28.60 2.15 2.55 WSR16 20210810 Cloudy Moderate Mid-Flood Bottom 14.10 6:56:00 PM 8.27 8.00 30.24 28.64 1.75 4.00 WSR16 20210810 Cloudy Moderate Mid-Flood Bottom 14.10 6:56:00 PM 8.27 8.00 30.24 28.64 1.75 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.41 8.20 30.40 28.52 2.67 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.19 8.20 30.42 28.52 2.67 4.00 W	١	WSR16	20210807	Cloudy	Moderate	Mid-Flood	Bottom	14.90	6:35:00 PM	9.62	8.20	31.01	27.99	2.23	6.00
WSR16 20210810 Cloudy Moderate Mid-Flood Middle 7.55 6:57:00 PM 8.05 8.06 30.24 28.60 2.15 2.55 WSR16 20210810 Cloudy Moderate Mid-Flood Bottom 14.10 6:56:00 PM 8.27 8.00 30.24 28.64 1.75 4.00 WSR16 20210810 Cloudy Moderate Mid-Flood Bottom 14.10 6:56:00 PM 8.27 8.00 30.24 28.64 1.75 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.41 8.20 30.34 28.80 2.72 30.00 WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.19 8.09 30.40 28.52 2.67 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Midele 8.30 10:04:00 AM 8.19 8.11 2.77 28.08 2.78 2.50 WSR	۱	WSR16	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:58:00 PM	8.09	8.07	30.14	28.57	2.11	3.00
WSR16 20210810 Cloudy Moderate Mid-Flood Middle 7.55 6:57:00 PM 8.06 8.13 30.19 28.57 2.35 2.55 WSR16 20210810 Cloudy Moderate Mid-Flood Bottom 14.10 6:56:00 PM 8.27 8.00 30.24 28.64 1.75 4.00 WSR16 20210812 Cloudy Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.41 8.20 30.34 28.60 2.72 30.00 WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.19 8.09 30.40 28.52 2.67 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Middle 8.30 10:04:00 AM 8.19 8.09 30.40 28.52 2.63 2.55 WSR16 20210812 Sunny Moderate Mid-Flood Middle 8.30 10:04:00 AM 8.60 8.20 30.31 28.52 2.33 2.55 WS	۱	WSR16	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:58:00 PM	8.15	8.10	30.42	28.66	2.39	3.00
WSR16 20210810 Cloudy Moderate Mid-Flood Bottom 14.10 6:56:00 PM 8.27 8.00 30.24 28.64 1.75 4.00 WSR16 20210810 Cloudy Moderate Mid-Flood Bottom 14.10 6:56:00 PM 8.43 7.99 30.16 28.63 1.70 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.41 8.20 30.34 28.80 2.72 30.00 WSR16 20210812 Sunny Moderate Mid-Flood Middle 8.30 10:04:00 AM 8.19 8.25 30.51 28.75 1.99 5.00 WSR16 20210812 Sunny Moderate Mid-Flood Middle 8.30 10:04:00 AM 8.60 8.20 30.34 28.50 2.19 30.00 WSR16 20210812 Sunny Moderate Mid-Flood Bottom 15.60 10:03:00 AM 8.40 8.21 30.74 28.62 2.78 2.50 W	۱	WSR16	20210810	Cloudy	Moderate	Mid-Flood	Middle	7.55	6:57:00 PM	8.05	8.06	30.24	28.60	2.15	2.50
WSR16 20210810 Cloudy Moderate Mid-Flood Bottom 14.10 6:56:00 PM 8.43 7.99 30.16 28.63 1.70 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.41 8.20 30.34 28.80 2.72 3.00 WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.19 8.09 30.40 28.52 2.67 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Middle 8.30 10:04:00 AM 8.40 8.25 30.51 28.75 1.99 5.00 WSR16 20210812 Sunny Moderate Mid-Flood Bottom 15.60 10:03:00 AM 8.46 8.25 30.36 28.52 2.33 2.50 WSR16 20210814 Sunny Moderate Mid-Flood Surface 1.00 11:00:00 AM 7.98 8.11 29.76 28.68 2.71 3.00 WS	۱	WSR16	20210810	Cloudy	Moderate	Mid-Flood	Middle	7.55	6:57:00 PM	8.06	8.13	30.19	28.57	2.35	2.50
WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.41 8.20 30.34 28.80 2.72 3.00 WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.19 8.09 30.40 28.52 2.67 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Middle 8.30 10:04:00 AM 8.19 8.25 30.51 28.75 1.99 5.00 WSR16 20210812 Sunny Moderate Mid-Flood Middle 8.30 10:04:00 AM 8.60 8.20 30.34 28.50 2.19 30.00 WSR16 20210812 Sunny Moderate Mid-Flood Bottom 15.60 10:03:00 AM 8.40 8.21 30.74 28.62 2.78 2.50 WSR16 20210814 Sunny Moderate Mid-Flood Surface 1.00 11:00:00 AM 7.98 8.13 29.78 28.06 1.86 4.00 WS	۱	WSR16	20210810	Cloudy	Moderate	Mid-Flood	Bottom	14.10	6:56:00 PM	8.27	8.00	30.24	28.64	1.75	4.00
WSR16 20210812 Sunny Moderate Mid-Flood Surface 1.00 10:05:00 AM 8.19 8.09 30.40 28.52 2.67 4.00 WSR16 20210812 Sunny Moderate Mid-Flood Middle 8.30 10:04:00 AM 8.19 8.25 30.51 28.75 1.99 5.00 WSR16 20210812 Sunny Moderate Mid-Flood Middle 8.30 10:04:00 AM 8.60 8.20 30.34 28.50 2.19 30.00 WSR16 20210812 Sunny Moderate Mid-Flood Bottom 15.60 10:03:00 AM 8.46 8.25 30.36 28.52 2.33 2.50 WSR16 20210814 Sunny Moderate Mid-Flood Surface 1.00 11:00:00 AM 8.11 29.77 28.08 2.71 30.00 WSR16 20210814 Sunny Moderate Mid-Flood Surface 1.00 11:00:00 AM 7.98 8.13 29.78 28.16 2.12 4.00 WSR16	۱	WSR16	20210810	Cloudy	Moderate	Mid-Flood	Bottom	14.10	6:56:00 PM	8.43	7.99	30.16	28.63	1.70	4.00
WSR16 20210812 Sunny Moderate Mid-Flood Middle 8.30 10:04:00 AM 8.19 8.25 30.51 28.75 1.99 5.00 WSR16 20210812 Sunny Moderate Mid-Flood Middle 8.30 10:04:00 AM 8.60 8.20 30.34 28.50 2.19 30.00 WSR16 20210812 Sunny Moderate Mid-Flood Bottom 15.60 10:03:00 AM 8.46 8.25 30.36 28.52 2.33 2.50 WSR16 20210812 Sunny Moderate Mid-Flood Bottom 15.60 10:03:00 AM 8.40 8.21 30.74 28.62 2.78 2.50 WSR16 20210814 Sunny Moderate Mid-Flood Surface 1.00 11:00:00 AM 7.98 8.13 29.78 28.08 2.71 30.00 WSR16 20210814 Sunny Moderate Mid-Flood Midle 7.60 10:59:00 AM 8.95 8.24 29.76 28.16 2.12 4.00 WSR	۱	WSR16	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	10:05:00 AM	8.41	8.20	30.34	28.80	2.72	3.00
WSR16 20210812 Sunny Moderate Mid-Flood Bottom 15.60 10:04:00 AM 8.60 8.20 30.34 28.50 2.19 3.00 WSR16 20210812 Sunny Moderate Mid-Flood Bottom 15.60 10:03:00 AM 8.46 8.25 30.36 28.52 2.33 2.50 WSR16 20210812 Sunny Moderate Mid-Flood Bottom 15.60 10:03:00 AM 8.20 8.21 30.74 28.62 2.78 2.50 WSR16 20210814 Sunny Moderate Mid-Flood Surface 1.00 11:00:00 AM 8.10 29.77 28.08 2.71 30.00 WSR16 20210814 Sunny Moderate Mid-Flood Surface 1.00 11:00:00 AM 7.98 8.13 29.78 28.08 2.71 30.00 WSR16 20210814 Sunny Moderate Mid-Flood Midele 7.60 10:59:00 AM 8.30 8.08 29.69 28.16 2.12 4.00 WSR16 20210814 Sunny Moderate Mid-Flood Bottom 14.20 10:58:00 AM <t< td=""><td>۱</td><td>WSR16</td><td>20210812</td><td>Sunny</td><td>Moderate</td><td>Mid-Flood</td><td>Surface</td><td>1.00</td><td>10:05:00 AM</td><td>8.19</td><td>8.09</td><td>30.40</td><td>28.52</td><td>2.67</td><td>4.00</td></t<>	۱	WSR16	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	10:05:00 AM	8.19	8.09	30.40	28.52	2.67	4.00
WSR1620210812 SunnyModerateMid-FloodBottom15.6010:03:00 AM8.468.2530.3628.522.332.50WSR1620210812 SunnyModerateMid-FloodBottom15.6010:03:00 AM8.208.2130.7428.622.782.50WSR1620210814 SunnyModerateMid-FloodSurface1.0011:00:00 AM8.198.1129.7728.082.2930.00WSR1620210814 SunnyModerateMid-FloodSurface1.0011:00:00 AM7.988.1329.7828.082.7130.00WSR1620210814 SunnyModerateMid-FloodMiddle7.6010:59:00 AM8.308.0829.6928.061.864.00WSR1620210814 SunnyModerateMid-FloodMiddle7.6010:59:00 AM8.958.2429.7628.162.124.00WSR1620210814 SunnyModerateMid-FloodBottom14.2010:58:00 AM7.918.2029.8628.112.218.00WSR1620210814 SunnyModerateMid-FloodSurface1.003:17:00 PM8.318.2929.7128.171.868.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.248.2030.4629.472.458.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.288.22	۱	WSR16	20210812	Sunny	Moderate	Mid-Flood	Middle	8.30	10:04:00 AM	8.19	8.25	30.51	28.75	1.99	5.00
WSR1620210812 SunnyModerateMid-FloodBottom15.6010:03:00 AM8.208.2130.7428.622.782.50WSR1620210814 SunnyModerateMid-FloodSurface1.0011:00:00 AM8.198.1129.7728.082.293.07WSR1620210814 SunnyModerateMid-FloodSurface1.0011:00:00 AM7.988.1329.7828.082.713.07WSR1620210814 SunnyModerateMid-FloodSurface1.0011:00:00 AM7.988.1329.7828.061.864.00WSR1620210814 SunnyModerateMid-FloodMidle7.6010:59:00 AM8.308.0829.6928.061.864.00WSR1620210814 SunnyModerateMid-FloodBottom14.2010:58:00 AM7.918.2029.8628.112.218.00WSR1620210814 SunnyModerateMid-FloodBottom14.2010:58:00 AM7.918.2029.6628.112.218.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.248.2030.4629.472.458.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.288.2230.4729.522.598.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.158.15 <t< td=""><td>۱</td><td>WSR16</td><td>20210812</td><td>Sunny</td><td>Moderate</td><td>Mid-Flood</td><td>Middle</td><td>8.30</td><td>10:04:00 AM</td><td>8.60</td><td>8.20</td><td>30.34</td><td>28.50</td><td>2.19</td><td>3.00</td></t<>	۱	WSR16	20210812	Sunny	Moderate	Mid-Flood	Middle	8.30	10:04:00 AM	8.60	8.20	30.34	28.50	2.19	3.00
WSR1620210814 SunnyModerateMid-FloodSurface1.0011:00:00 AM8.198.1129.7728.082.293.00WSR1620210814 SunnyModerateMid-FloodSurface1.0011:00:00 AM7.988.1329.7828.082.713.00WSR1620210814 SunnyModerateMid-FloodMiddle7.6010:59:00 AM8.308.0829.6928.061.864.00WSR1620210814 SunnyModerateMid-FloodMiddle7.6010:59:00 AM8.958.2429.7628.162.124.00WSR1620210814 SunnyModerateMid-FloodBottom14.2010:58:00 AM7.918.2029.8628.112.218.00WSR1620210814 SunnyModerateMid-FloodBottom14.2010:58:00 AM8.318.2929.7128.171.868.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.248.2030.4629.472.458.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.288.2230.4729.522.598.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.158.1530.3229.511.8310.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:16:00 PM8.368.15 <t< td=""><td>۱</td><td>WSR16</td><td>20210812</td><td>Sunny</td><td>Moderate</td><td>Mid-Flood</td><td>Bottom</td><td>15.60</td><td>10:03:00 AM</td><td>8.46</td><td>8.25</td><td>30.36</td><td>28.52</td><td>2.33</td><td>2.50</td></t<>	۱	WSR16	20210812	Sunny	Moderate	Mid-Flood	Bottom	15.60	10:03:00 AM	8.46	8.25	30.36	28.52	2.33	2.50
WSR1620210814 SunnyModerateMid-FloodSurface1.0011:00:00 AM7.988.1329.7828.082.713.00WSR1620210814 SunnyModerateMid-FloodMiddle7.6010:59:00 AM8.308.0829.6928.061.864.00WSR1620210814 SunnyModerateMid-FloodMiddle7.6010:59:00 AM8.958.2429.7628.162.124.00WSR1620210814 SunnyModerateMid-FloodBottom14.2010:58:00 AM7.918.2029.8628.112.218.00WSR1620210814 SunnyModerateMid-FloodBottom14.2010:58:00 AM8.318.2929.7128.171.868.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.248.2030.4629.472.458.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.288.2230.4729.522.598.00WSR1620210817 SunnyModerateMid-FloodMidle7.653:16:00 PM8.1530.3229.511.8310.00WSR1620210817 SunnyModerateMid-FloodBottom14.303:15:00 PM8.408.1530.6429.481.9310.00WSR1620210817 SunnyModerateMid-FloodBottom14.303:15:00 PM8.458.1530.62 <td< td=""><td>۱</td><td>WSR16</td><td>20210812</td><td>Sunny</td><td>Moderate</td><td>Mid-Flood</td><td>Bottom</td><td>15.60</td><td>10:03:00 AM</td><td>8.20</td><td>8.21</td><td>30.74</td><td>28.62</td><td>2.78</td><td>2.50</td></td<>	۱	WSR16	20210812	Sunny	Moderate	Mid-Flood	Bottom	15.60	10:03:00 AM	8.20	8.21	30.74	28.62	2.78	2.50
WSR16 20210814 Sunny Moderate Mid-Flood Middle 7.60 10:59:00 AM 8.30 8.08 29.69 28.06 1.86 4.00 WSR16 20210814 Sunny Moderate Mid-Flood Middle 7.60 10:59:00 AM 8.95 8.24 29.76 28.16 2.12 4.00 WSR16 20210814 Sunny Moderate Mid-Flood Bottom 14.20 10:58:00 AM 7.91 8.20 29.86 28.11 2.21 8.00 WSR16 20210814 Sunny Moderate Mid-Flood Bottom 14.20 10:58:00 AM 7.91 8.20 29.86 28.11 2.21 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.20 10:58:00 AM 8.31 8.29 29.71 28.17 1.86 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Surface 1.00 3:17:00 PM 8.24 8.20 30.46 29.47 2.45 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Midele 7.65 3:16:00 PM	۱	WSR16	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	11:00:00 AM	8.19	8.11	29.77	28.08	2.29	3.00
WSR1620210814 SunnyModerateMid-FloodMiddle7.6010:59:00 AM8.958.2429.7628.162.124.00WSR1620210814 SunnyModerateMid-FloodBottom14.2010:58:00 AM7.918.2029.8628.112.218.00WSR1620210814 SunnyModerateMid-FloodBottom14.2010:58:00 AM8.318.2929.7128.171.868.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.248.2030.4629.472.458.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.288.2230.4729.522.598.00WSR1620210817 SunnyModerateMid-FloodMiddle7.653:16:00 PM8.1530.3229.511.8310.00WSR1620210817 SunnyModerateMid-FloodMiddle7.653:16:00 PM8.368.1530.6429.481.9310.00WSR1620210817 SunnyModerateMid-FloodBottom14.303:15:00 PM8.408.1530.3329.472.018.00WSR1620210817 SunnyModerateMid-FloodBottom14.303:15:00 PM8.458.2530.6229.432.178.00WSR1620210817 SunnyModerateMid-FloodBottom14.303:15:00 PM8.458.2530.62	۱	WSR16	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	11:00:00 AM	7.98	8.13	29.78	28.08	2.71	3.00
WSR1620210814 SunnyModerateMid-FloodBottom14.2010:58:00 AM7.918.2029.8628.112.218.00WSR1620210814 SunnyModerateMid-FloodBottom14.2010:58:00 AM8.318.2929.7128.171.868.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.248.2030.4629.472.458.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.288.2230.4729.522.598.00WSR1620210817 SunnyModerateMid-FloodSurface1.003:17:00 PM8.158.1530.3229.511.8310.00WSR1620210817 SunnyModerateMid-FloodMidle7.653:16:00 PM8.368.1530.6429.481.9310.00WSR1620210817 SunnyModerateMid-FloodMidle7.653:16:00 PM8.368.1530.6429.481.9310.00WSR1620210817 SunnyModerateMid-FloodBottom14.303:15:00 PM8.408.1530.3329.472.018.00WSR1620210817 SunnyModerateMid-FloodBottom14.303:15:00 PM8.458.2530.6229.432.178.00WSR1620210817 SunnyModerateMid-FloodBottom14.303:15:00 PM8.458.2530	١	WSR16	20210814	Sunny	Moderate	Mid-Flood	Middle	7.60	10:59:00 AM	8.30	8.08	29.69	28.06	1.86	4.00
WSR16 20210814 Sunny Moderate Mid-Flood Bottom 14.20 10:58:00 AM 8.31 8.29 29.71 28.17 1.86 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Surface 1.00 3:17:00 PM 8.24 8.20 30.46 29.47 2.45 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Surface 1.00 3:17:00 PM 8.28 8.22 30.47 29.52 2.59 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Midele 7.65 3:16:00 PM 8.15 8.15 30.32 29.51 1.83 10.00 WSR16 20210817 Sunny Moderate Mid-Flood Midele 7.65 3:16:00 PM 8.15 8.15 30.64 29.48 1.93 10.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.40 8.15 30.33 29.47 2.01 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM<	۱	WSR16	20210814	Sunny	Moderate	Mid-Flood	Middle	7.60	10:59:00 AM	8.95	8.24	29.76	28.16	2.12	4.00
WSR16 20210817 Sunny Moderate Mid-Flood Surface 1.00 3:17:00 PM 8.24 8.20 30.46 29.47 2.45 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Surface 1.00 3:17:00 PM 8.28 8.22 30.47 29.52 2.59 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Middle 7.65 3:16:00 PM 8.15 8.15 30.32 29.51 1.83 10.00 WSR16 20210817 Sunny Moderate Mid-Flood Middle 7.65 3:16:00 PM 8.15 30.64 29.48 1.93 10.00 WSR16 20210817 Sunny Moderate Mid-Flood Middle 7.65 3:16:00 PM 8.36 8.15 30.64 29.48 1.93 10.00 00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.40 8.15 30.33 29.47 2.01 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM <td>۱</td> <td>WSR16</td> <td>20210814</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Bottom</td> <td>14.20</td> <td>10:58:00 AM</td> <td>7.91</td> <td>8.20</td> <td>29.86</td> <td>28.11</td> <td>2.21</td> <td>8.00</td>	۱	WSR16	20210814	Sunny	Moderate	Mid-Flood	Bottom	14.20	10:58:00 AM	7.91	8.20	29.86	28.11	2.21	8.00
WSR16 20210817 Sunny Moderate Mid-Flood Surface 1.00 3:17:00 PM 8.28 8.22 30.47 29.52 2.59 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Midle 7.65 3:16:00 PM 8.15 8.15 30.32 29.51 1.83 10.00 WSR16 20210817 Sunny Moderate Mid-Flood Middle 7.65 3:16:00 PM 8.36 8.15 30.64 29.48 1.93 10.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.40 8.15 30.33 29.47 2.01 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.40 8.15 30.62 29.43 2.17 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.45 8.25 30.62 29.43 2.17 8.00	۱	WSR16	20210814	Sunny	Moderate	Mid-Flood	Bottom	14.20	10:58:00 AM	8.31	8.29	29.71	28.17	1.86	8.00
WSR16 20210817 Sunny Moderate Mid-Flood Middle 7.65 3:16:00 PM 8.15 8.15 30.32 29.51 1.83 10.00 WSR16 20210817 Sunny Moderate Mid-Flood Middle 7.65 3:16:00 PM 8.36 8.15 30.64 29.48 1.93 10.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.40 8.15 30.33 29.47 2.01 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.45 8.25 30.62 29.43 2.17 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.45 8.25 30.62 29.43 2.17 8.00	١	WSR16	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	3:17:00 PM	8.24	8.20	30.46	29.47	2.45	8.00
WSR16 20210817 Sunny Moderate Mid-Flood Middle 7.65 3:16:00 PM 8.36 8.15 30.64 29.48 1.93 10.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.40 8.15 30.33 29.47 2.01 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.45 8.25 30.62 29.43 2.17 8.00	١	WSR16	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	3:17:00 PM	8.28	8.22	30.47	29.52	2.59	8.00
WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.40 8.15 30.33 29.47 2.01 8.00 WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.45 8.25 30.62 29.43 2.17 8.00	۱	WSR16	20210817	Sunny	Moderate	Mid-Flood	Middle	7.65	3:16:00 PM	8.15	8.15	30.32	29.51	1.83	10.00
WSR16 20210817 Sunny Moderate Mid-Flood Bottom 14.30 3:15:00 PM 8.45 8.25 30.62 29.43 2.17 8.00	۱	WSR16	20210817	Sunny	Moderate	Mid-Flood	Middle	7.65	3:16:00 PM	8.36	8.15	30.64	29.48	1.93	10.00
	۱	WSR16	20210817	Sunny	Moderate	Mid-Flood	Bottom	14.30	3:15:00 PM	8.40	8.15	30.33	29.47	2.01	8.00
WSR16 20210819 Cloudy Moderate Mid-Flood Surface 1.00 6:00:00 PM 8.94 7.97 30.48 28.16 3.76 4.00	۱	WSR16	20210817	Sunny	Moderate	Mid-Flood	Bottom	14.30	3:15:00 PM	8.45	8.25	30.62	29.43	2.17	8.00
	١	WSR16	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:00:00 PM	8.94	7.97	30.48	28.16	3.76	4.00
WSR16 20210819 Cloudy Moderate Mid-Flood Surface 1.00 6:00:00 PM 9.17 8.23 30.60 28.21 3.29 6.00	۱	WSR16	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:00:00 PM	9.17	8.23	30.60	28.21	3.29	6.00

	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
_	WSR16	20210819	Cloudy	Moderate	Mid-Flood	Middle	7.65	5:59:00 PM	9.12	7.97	30.45	28.08	2.84	6.00
	WSR16	20210819	Cloudy	Moderate	Mid-Flood	Middle	7.65	5:59:00 PM	8.88	8.12	30.48	28.22	3.09	4.00
	WSR16	20210819	Cloudy	Moderate	Mid-Flood	Bottom	14.30	5:58:00 PM	8.57	8.26	30.60	28.06	2.46	4.00
	WSR16	20210819	Cloudy	Moderate	Mid-Flood	Bottom	14.30	5:58:00 PM	8.59	8.15	30.78	28.09	2.41	2.50
	WSR16	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	6:26:00 PM	8.02	8.30	29.87	28.49	2.77	6.00
	WSR16	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	6:26:00 PM	8.04	8.39	30.25	28.42	2.34	5.00
	WSR16	20210821	Sunny	Moderate	Mid-Flood	Middle	8.60	6:25:00 PM	8.49	8.24	29.99	28.43	2.64	4.00
	WSR16	20210821	Sunny	Moderate	Mid-Flood	Middle	8.60	6:25:00 PM	7.86	8.34	30.04	28.63	2.60	6.00
	WSR16	20210821	Sunny	Moderate	Mid-Flood	Bottom	16.20	6:24:00 PM	7.70	8.22	30.23	28.61	2.41	5.00
	WSR16	20210821	Sunny	Moderate	Mid-Flood	Bottom	16.20	6:24:00 PM	8.46	8.31	29.76	28.49	2.76	5.00
	WSR16	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:42:00 PM	8.44	8.45	30.99	27.87	3.02	5.00
	WSR16	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:42:00 PM	8.97	8.52	31.13	27.82	2.57	7.00
	WSR16	20210824	Sunny	Moderate	Mid-Flood	Middle	8.00	6:41:00 PM	9.03	8.41	30.75	27.88	2.64	4.00
	WSR16	20210824	Sunny	Moderate	Mid-Flood	Middle	8.00	6:41:00 PM	8.46	8.41	31.38	27.87	2.76	4.00
	WSR16	20210824	Sunny	Moderate	Mid-Flood	Bottom	15.00	6:40:00 PM	9.09	8.49	30.76	27.92	2.01	8.00
	WSR16	20210824	Sunny	Moderate	Mid-Flood	Bottom	15.00	6:40:00 PM	8.89	8.53	31.43	27.79	2.21	8.00
	WSR16	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	10:11:00 AM	8.47	8.25	29.40	28.61	3.51	6.00
	WSR16	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	10:11:00 AM	8.57	8.23	29.26	28.62	3.28	9.00
	WSR16	20210826	Sunny	Moderate	Mid-Flood	Middle	8.50	10:10:00 AM	8.37	8.27	29.16	28.60	2.96	9.00
	WSR16	20210826	Sunny	Moderate	Mid-Flood	Middle	8.50	10:10:00 AM	8.36	8.36	29.28	28.58	3.19	8.00
	WSR16	20210826	Sunny	Moderate	Mid-Flood	Bottom	16.00	10:09:00 AM	8.64	8.25	29.21	28.60	2.30	7.00
	WSR16	20210826	Sunny	Moderate	Mid-Flood	Bottom	16.00	10:09:00 AM	8.70	8.41	29.38	28.54	2.38	7.00
	WSR16	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	10:17:00 AM	8.05	8.26	29.76	28.26	2.73	6.00
	WSR16	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	10:17:00 AM	7.90	8.16	29.53	28.48	2.85	6.00
	WSR16	20210828	Sunny	Moderate	Mid-Flood	Middle	8.25	10:16:00 AM	8.28	8.19	29.75	28.17	2.78	7.00
	WSR16	20210828	Sunny	Moderate	Mid-Flood	Middle	8.25	10:16:00 AM	7.87	8.15	29.68	28.46	2.49	7.00
	WSR16	20210828	Sunny	Moderate	Mid-Flood	Bottom	15.50	10:15:00 AM	8.21	8.11	29.67	28.31	2.22	3.00

	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
-	WSR16	20210828	Sunny	Moderate	Mid-Flood	Bottom	15.50	10:15:00 AM	7.96	8.27	29.73	28.32	2.42	4.00
	WSR16	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:08:00 PM	9.30	8.35	30.11	27.79	3.32	7.00
	WSR16	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:08:00 PM	9.24	8.42	30.69	27.82	3.72	9.00
	WSR16	20210831	Cloudy	Moderate	Mid-Flood	Middle	8.20	6:07:00 PM	9.37	8.45	30.28	27.88	2.94	8.00
	WSR16	20210831	Cloudy	Moderate	Mid-Flood	Middle	8.20	6:07:00 PM	9.00	8.37	30.42	27.84	3.45	6.00
	WSR16	20210831	Cloudy	Moderate	Mid-Flood	Bottom	15.40	6:06:00 PM	9.21	8.34	30.68	27.88	2.99	3.00
	WSR16	20210831	Cloudy	Moderate	Mid-Flood	Bottom	15.40	6:06:00 PM	9.64	8.39	30.46	27.90	2.57	4.00
	WSR33	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:25:00 PM	8.06	8.29	30.75	27.53	2.26	6.00
	WSR33	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:25:00 PM	8.14	8.39	30.57	27.45	2.16	6.00
	WSR33	20210803	Cloudy	Moderate	Mid-Flood	Middle	3.50	3:24:00 PM	7.69	8.27	30.76	27.49	1.62	5.00
	WSR33	20210803	Cloudy	Moderate	Mid-Flood	Middle	3.50	3:24:00 PM	8.00	8.34	30.60	27.43	1.89	6.00
	WSR33	20210803	Cloudy	Moderate	Mid-Flood	Bottom	6.00	3:23:00 PM	8.03	8.29	30.89	27.50	1.74	6.00
	WSR33	20210803	Cloudy	Moderate	Mid-Flood	Bottom	6.00	3:23:00 PM	7.83	8.24	30.82	27.48	1.99	6.00
	WSR33	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:22:00 PM	8.16	7.99	30.21	27.73	2.71	15.00
	WSR33	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:22:00 PM	7.99	7.97	30.04	27.63	3.00	15.00
	WSR33	20210805	Cloudy	Moderate	Mid-Flood	Middle	3.60	5:21:00 PM	7.84	7.98	29.95	27.71	2.23	6.00
	WSR33	20210805	Cloudy	Moderate	Mid-Flood	Middle	3.60	5:21:00 PM	8.07	8.06	29.94	27.61	2.06	6.00
	WSR33	20210805	Cloudy	Moderate	Mid-Flood	Bottom	6.20	5:20:00 PM	7.82	8.08	30.06	27.68	2.21	8.00
	WSR33	20210805	Cloudy	Moderate	Mid-Flood	Bottom	6.20	5:20:00 PM	8.02	8.01	29.94	27.67	2.42	6.00
	WSR33	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:00:00 PM	8.90	8.18	30.80	28.21	2.20	10.00
	WSR33	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:00:00 PM	9.12	8.23	30.55	28.10	2.54	10.00
	WSR33	20210807	Cloudy	Moderate	Mid-Flood	Middle	3.70	5:59:00 PM	8.72	8.29	30.47	28.21	2.30	4.00
	WSR33	20210807	Cloudy	Moderate	Mid-Flood	Middle	3.70	5:59:00 PM	8.69	8.20	30.42	28.06	2.44	4.00
	WSR33	20210807	Cloudy	Moderate	Mid-Flood	Bottom	6.40	5:58:00 PM	9.12	8.26	30.69	28.06	2.36	19.00
	WSR33	20210807	Cloudy	Moderate	Mid-Flood	Bottom	6.40	5:58:00 PM	9.11	8.15	30.67	28.14	2.80	19.00
	WSR33	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:22:00 PM	8.18	8.06	29.66	29.08	2.12	2.50
	WSR33	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:22:00 PM	8.04	8.04	29.70	28.97	2.32	3.00

	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
-	WSR33	20210810	Cloudy	Moderate	Mid-Flood	Middle	3.75	6:21:00 PM	8.03	8.05	29.66	28.99	1.64	7.00
	WSR33	20210810	Cloudy	Moderate	Mid-Flood	Middle	3.75	6:21:00 PM	8.31	8.13	29.51	28.90	1.92	7.00
	WSR33	20210810	Cloudy	Moderate	Mid-Flood	Bottom	6.50	6:20:00 PM	8.21	7.98	29.36	28.99	1.38	4.00
	WSR33	20210810	Cloudy	Moderate	Mid-Flood	Bottom	6.50	6:20:00 PM	8.48	7.97	29.39	28.95	1.64	4.00
	WSR33	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	9:17:00 AM	8.41	8.22	30.30	28.36	2.18	2.50
	WSR33	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	9:17:00 AM	8.33	8.16	30.39	28.35	2.41	3.00
	WSR33	20210812	Sunny	Moderate	Mid-Flood	Middle	3.65	9:16:00 AM	8.58	8.23	30.34	28.42	2.69	2.50
	WSR33	20210812	Sunny	Moderate	Mid-Flood	Middle	3.65	9:16:00 AM	8.26	8.11	30.70	28.35	2.25	4.00
	WSR33	20210812	Sunny	Moderate	Mid-Flood	Bottom	6.30	9:15:00 AM	8.38	8.17	30.67	28.34	1.94	5.00
	WSR33	20210812	Sunny	Moderate	Mid-Flood	Bottom	6.30	9:15:00 AM	8.60	8.21	30.55	28.20	2.08	5.00
	WSR33	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	10:09:00 AM	8.33	8.38	30.72	28.18	2.03	5.00
	WSR33	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	10:09:00 AM	8.40	8.43	30.56	28.21	2.25	7.00
	WSR33	20210814	Sunny	Moderate	Mid-Flood	Middle	3.65	10:08:00 AM	7.87	8.41	30.65	28.23	2.21	6.00
	WSR33	20210814	Sunny	Moderate	Mid-Flood	Middle	3.65	10:08:00 AM	7.87	8.32	30.41	28.09	2.15	4.00
	WSR33	20210814	Sunny	Moderate	Mid-Flood	Bottom	6.30	10:07:00 AM	8.40	8.33	30.46	28.11	2.08	9.00
	WSR33	20210814	Sunny	Moderate	Mid-Flood	Bottom	6.30	10:07:00 AM	7.83	8.27	30.83	28.14	2.20	9.00
	WSR33	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	2:26:00 PM	7.79	8.32	30.12	29.52	2.75	5.00
	WSR33	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	2:26:00 PM	8.37	8.31	30.33	29.61	2.33	4.00
	WSR33	20210817	Sunny	Moderate	Mid-Flood	Middle	3.70	2:25:00 PM	7.92	8.22	30.08	29.58	2.52	5.00
	WSR33	20210817	Sunny	Moderate	Mid-Flood	Middle	3.70	2:25:00 PM	8.02	8.33	30.25	29.46	2.37	5.00
	WSR33	20210817	Sunny	Moderate	Mid-Flood	Bottom	6.40	2:24:00 PM	7.75	8.28	30.05	29.52	2.06	8.00
	WSR33	20210817	Sunny	Moderate	Mid-Flood	Bottom	6.40	2:24:00 PM	7.99	8.23	30.17	29.48	2.26	8.00
	WSR33	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:10:00 PM	9.06	8.05	30.91	28.23	3.13	4.00
	WSR33	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:10:00 PM	9.58	7.92	30.60	28.28	3.18	4.00
	WSR33	20210819	Cloudy	Moderate	Mid-Flood	Middle	3.50	5:09:00 PM	9.33	7.87	30.90	28.20	2.44	9.00
	WSR33	20210819	Cloudy	Moderate	Mid-Flood	Middle	3.50	5:09:00 PM	9.84	8.12	30.57	28.42	2.86	9.00
	WSR33	20210819	Cloudy	Moderate	Mid-Flood	Bottom	6.00	5:08:00 PM	9.33	8.04	30.62	28.35	2.55	4.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR33	20210819	Cloudy	Moderate	Mid-Flood	Bottom	6.00	5:08:00 PM	9.21	7.87	30.83	28.20	2.21	6.00
WSR33	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:51:00 PM	8.35	8.36	30.45	28.32	3.08	8.00
WSR33	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:51:00 PM	8.19	8.49	30.35	28.25	2.81	8.00
WSR33	20210821	Sunny	Moderate	Mid-Flood	Middle	3.85	5:50:00 PM	8.62	8.47	30.27	28.44	2.70	4.00
WSR33	20210821	Sunny	Moderate	Mid-Flood	Middle	3.85	5:50:00 PM	8.54	8.31	30.33	28.47	2.67	4.00
WSR33	20210821	Sunny	Moderate	Mid-Flood	Bottom	6.70	5:49:00 PM	7.84	8.59	30.01	28.39	2.76	9.00
WSR33	20210821	Sunny	Moderate	Mid-Flood	Bottom	6.70	5:49:00 PM	8.45	8.43	29.99	28.45	2.50	9.00
WSR33	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:16:00 PM	8.46	8.36	30.96	28.54	2.25	9.00
WSR33	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:16:00 PM	8.49	8.30	31.16	28.42	2.26	9.00
WSR33	20210824	Sunny	Moderate	Mid-Flood	Middle	3.85	6:15:00 PM	7.80	8.27	31.14	28.49	2.04	8.00
WSR33	20210824	Sunny	Moderate	Mid-Flood	Middle	3.85	6:15:00 PM	8.41	8.33	31.17	28.39	1.89	7.00
WSR33	20210824	Sunny	Moderate	Mid-Flood	Bottom	6.70	6:14:00 PM	8.09	8.42	31.06	28.44	2.33	7.00
WSR33	20210824	Sunny	Moderate	Mid-Flood	Bottom	6.70	6:14:00 PM	8.46	8.31	31.25	28.49	2.17	7.00
WSR33	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	9:20:00 AM	8.29	8.42	29.24	28.43	2.46	9.00
WSR33	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	9:20:00 AM	8.12	8.30	29.24	28.39	2.84	8.00
WSR33	20210826	Sunny	Moderate	Mid-Flood	Middle	3.60	9:19:00 AM	7.98	8.40	29.28	28.47	1.98	9.00
WSR33	20210826	Sunny	Moderate	Mid-Flood	Middle	3.60	9:19:00 AM	8.40	8.31	29.06	28.39	2.23	9.00
WSR33	20210826	Sunny	Moderate	Mid-Flood	Bottom	6.20	9:18:00 AM	7.99	8.33	29.28	28.43	1.99	7.00
WSR33	20210826	Sunny	Moderate	Mid-Flood	Bottom	6.20	9:18:00 AM	8.08	8.43	29.35	28.42	2.05	7.00
WSR33	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	9:26:00 AM	8.73	8.36	29.82	28.11	3.42	9.00
WSR33	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	9:26:00 AM	8.59	8.30	29.81	28.00	3.39	9.00
WSR33	20210828	Sunny	Moderate	Mid-Flood	Middle	3.65	9:25:00 AM	8.88	8.42	29.84	27.94	2.66	5.00
WSR33	20210828	Sunny	Moderate	Mid-Flood	Middle	3.65	9:25:00 AM	8.85	8.39	29.83	27.99	2.84	5.00
WSR33	20210828	Sunny	Moderate	Mid-Flood	Bottom	6.30	9:24:00 AM	8.72	8.33	29.77	27.96	2.50	9.00
WSR33	20210828	Sunny	Moderate	Mid-Flood	Bottom	6.30	9:24:00 AM	8.74	8.44	29.59	27.96	2.12	9.00
WSR33	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:21:00 PM	9.34	8.31	29.84	27.91	2.98	9.00
WSR33	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:21:00 PM	9.18	8.31	29.70	27.84	2.61	9.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR33	20210831	Cloudy	Moderate	Mid-Flood	Middle	3.50	5:20:00 PM	9.38	8.26	30.19	27.89	2.79	9.00
WSR33	20210831	Cloudy	Moderate	Mid-Flood	Middle	3.50	5:20:00 PM	9.37	8.24	30.14	27.93	2.53	8.00
WSR33	20210831	Cloudy	Moderate	Mid-Flood	Bottom	6.00	5:19:00 PM	9.38	8.31	29.68	27.92	2.73	4.00
WSR33	20210831	Cloudy	Moderate	Mid-Flood	Bottom	6.00	5:19:00 PM	9.12	8.24	29.91	27.95	2.73	5.00
WSR36	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:34:00 PM	8.03	7.97	30.37	27.43	2.07	5.00
WSR36	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:34:00 PM	8.20	8.02	30.29	27.54	2.40	5.00
WSR36	20210803	Cloudy	Moderate	Mid-Flood	Middle	3.20	3:34:00 PM	7.66	8.00	30.33	27.38	1.89	12.00
WSR36	20210803	Cloudy	Moderate	Mid-Flood	Middle	3.20	3:34:00 PM	7.81	7.98	30.33	27.41	1.98	12.00
WSR36	20210803	Cloudy	Moderate	Mid-Flood	Bottom	5.40	3:33:00 PM	8.18	8.09	30.67	27.42	1.47	11.00
WSR36	20210803	Cloudy	Moderate	Mid-Flood	Bottom	5.40	3:33:00 PM	8.25	8.00	30.64	27.40	1.48	11.00
WSR36	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:36:00 PM	7.42	7.99	29.61	27.67	3.09	3.00
WSR36	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:36:00 PM	7.76	8.03	29.79	27.72	2.83	2.50
WSR36	20210805	Cloudy	Moderate	Mid-Flood	Middle	3.40	5:36:00 PM	7.50	8.04	29.55	27.74	2.62	17.00
WSR36	20210805	Cloudy	Moderate	Mid-Flood	Middle	3.40	5:36:00 PM	7.74	7.98	29.68	27.76	2.28	17.00
WSR36	20210805	Cloudy	Moderate	Mid-Flood	Bottom	5.80	5:35:00 PM	7.85	8.05	29.79	27.79	2.37	2.50
WSR36	20210805	Cloudy	Moderate	Mid-Flood	Bottom	5.80	5:35:00 PM	8.10	8.11	29.56	27.61	2.21	2.50
WSR36	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:08:00 PM	8.87	8.01	30.88	28.12	2.05	6.00
WSR36	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:08:00 PM	8.81	8.01	30.47	28.03	2.41	4.00
WSR36	20210807	Cloudy	Moderate	Mid-Flood	Middle	3.40	6:08:00 PM	9.13	8.06	30.56	28.16	2.37	3.00
WSR36	20210807	Cloudy	Moderate	Mid-Flood	Middle	3.40	6:08:00 PM	9.18	8.07	30.70	28.07	2.13	5.00
WSR36	20210807	Cloudy	Moderate	Mid-Flood	Bottom	5.80	6:07:00 PM	9.17	8.08	30.63	28.21	2.01	5.00
WSR36	20210807	Cloudy	Moderate	Mid-Flood	Bottom	5.80	6:07:00 PM	9.21	8.13	30.92	28.21	2.24	6.00
WSR36	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:30:00 PM	7.69	7.94	30.33	28.81	2.08	7.00
WSR36	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:30:00 PM	7.54	7.98	30.22	28.78	2.42	4.00
WSR36	20210810	Cloudy	Moderate	Mid-Flood	Middle	3.55	6:30:00 PM	7.46	8.03	30.14	28.91	1.92	2.50
WSR36	20210810	Cloudy	Moderate	Mid-Flood	Middle	3.55	6:30:00 PM	7.58	8.00	30.24	28.78	2.22	2.50
WSR36	20210810	Cloudy	Moderate	Mid-Flood	Bottom	6.10	6:29:00 PM	7.67	7.95	30.27	28.77	2.11	2.50

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR36	20210810	Cloudy	Moderate	Mid-Flood	Bottom	6.10	6:29:00 PM	7.28	8.00	30.44	28.94	1.91	3.00
WSR36	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	9:30:00 AM	8.49	8.11	30.50	28.74	2.94	2.50
WSR36	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	9:30:00 AM	8.66	8.23	30.39	28.61	2.62	4.00
WSR36	20210812	Sunny	Moderate	Mid-Flood	Middle	3.20	9:30:00 AM	8.52	8.15	30.67	28.70	1.83	2.50
WSR36	20210812	Sunny	Moderate	Mid-Flood	Middle	3.20	9:30:00 AM	8.63	8.19	30.52	28.50	2.17	4.00
WSR36	20210812	Sunny	Moderate	Mid-Flood	Bottom	5.40	9:29:00 AM	8.60	8.20	30.72	28.78	2.19	2.50
WSR36	20210812	Sunny	Moderate	Mid-Flood	Bottom	5.40	9:29:00 AM	8.36	8.13	30.69	28.73	2.59	3.00
WSR36	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	10:22:00 AM	7.10	8.29	30.94	27.95	2.14	6.00
WSR36	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	10:22:00 AM	7.29	8.13	31.20	27.94	1.88	7.00
WSR36	20210814	Sunny	Moderate	Mid-Flood	Middle	3.50	10:22:00 AM	7.61	8.36	31.11	27.77	2.10	10.00
WSR36	20210814	Sunny	Moderate	Mid-Flood	Middle	3.50	10:22:00 AM	7.95	8.30	31.17	27.83	2.04	10.00
WSR36	20210814	Sunny	Moderate	Mid-Flood	Bottom	6.00	10:21:00 AM	8.08	8.29	30.83	27.81	2.10	10.00
WSR36	20210814	Sunny	Moderate	Mid-Flood	Bottom	6.00	10:21:00 AM	7.77	8.19	30.71	27.76	1.88	10.00
WSR36	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	2:39:00 PM	8.31	8.29	29.93	28.87	2.33	5.00
WSR36	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	2:39:00 PM	8.98	8.28	29.94	28.97	2.62	6.00
WSR36	20210817	Sunny	Moderate	Mid-Flood	Middle	3.45	2:39:00 PM	8.64	8.26	30.03	28.83	2.40	4.00
WSR36	20210817	Sunny	Moderate	Mid-Flood	Middle	3.45	2:39:00 PM	8.30	8.25	29.95	28.87	2.54	4.00
WSR36	20210817	Sunny	Moderate	Mid-Flood	Bottom	5.90	2:38:00 PM	8.34	8.24	29.95	28.85	1.94	9.00
WSR36	20210817	Sunny	Moderate	Mid-Flood	Bottom	5.90	2:38:00 PM	8.63	8.36	29.90	28.88	2.05	9.00
WSR36	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:23:00 PM	9.10	8.16	30.02	28.44	3.04	6.00
WSR36	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:23:00 PM	9.57	8.20	30.09	28.44	2.73	8.00
WSR36	20210819	Cloudy	Moderate	Mid-Flood	Middle	3.70	5:23:00 PM	9.51	7.97	30.17	28.44	2.56	5.00
WSR36	20210819	Cloudy	Moderate	Mid-Flood	Middle	3.70	5:23:00 PM	9.28	8.17	30.52	28.45	3.07	7.00
WSR36	20210819	Cloudy	Moderate	Mid-Flood	Bottom	6.40	5:22:00 PM	9.48	7.91	30.05	28.49	2.40	3.00
WSR36	20210819	Cloudy	Moderate	Mid-Flood	Bottom	6.40	5:22:00 PM	9.45	7.90	30.45	28.42	2.14	4.00
WSR36	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:58:00 PM	8.63	8.41	30.20	28.89	2.29	4.00
WSR36	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	5:58:00 PM	8.02	8.26	30.65	28.93	2.73	5.00

WSR36 20210821 Sunny Moderate Mid-Flood Middle 3.15 5:58:00 PM 8.22 8.26 30.64 28.97 2.29 9.00 WSR36 20210821 Sunny Moderate Mid-Flood Bottom 5.30 5:57:00 PM 8.13 8.24 30.36 28.93 2.61 7.00 WSR36 20210821 Sunny Moderate Mid-Flood Bottom 5.30 5:57:00 PM 8.13 8.24 30.36 28.93 2.16 9.00 WSR36 20210824 Sunny Moderate Mid-Flood Surface 1.00 6:22:00 PM 8.19 8.48 30.85 28.36 2.77 6.00 WSR36 20210824 Sunny Moderate Mid-Flood Middle 3.25 6:22:00 PM 7.93 8.46 30.76 28.30 2.21 8.00 WSR36 20210824 Sunny Moderate Mid-Flood Middle 3.25 6:21:00 PM 8.50 8.54 31.22 2.839 2.21 8.00 1.55 9.00	Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR36 20210821 Sunny Moderate Mid-Flood Bottom 5.30 5:57:00 PM 8.13 8.21 30.36 28.93 2.16 9.00 WSR36 20210821 Sunny Moderate Mid-Flood Bottom 5.30 5:57:00 PM 8.85 8.46 30.55 28.97 1.90 9.00 WSR36 20210824 Sunny Moderate Mid-Flood Surface 1.00 6:22:00 PM 8.28 8.50 30.68 28.30 2.61 9.00 WSR36 20210824 Sunny Moderate Mid-Flood Middle 3.25 6:22:00 PM 7.93 8.46 30.65 28.30 2.61 9.00 WSR36 20210824 Sunny Moderate Mid-Flood Bottom 5.50 6:1:00 PM 8.60 8.53 30.93 28.30 2.21 8.00 WSR36 20210824 Sunny Moderate Mid-Flood Surface 1.00 9:3:00 AM 8.56 8.34 29.10 28.61 2.11 8.00 WSR36	WSR36	20210821	Sunny	Moderate	Mid-Flood	Middle	3.15	5:58:00 PM	8.22	8.26	30.64	28.97	2.29	9.00
WSR36 20210821 Sunny Moderate Mid-Flood Bottom 5.30 5:57:00 PM 8.85 8.46 30.55 28.97 1.90 9.00 WSR36 20210824 Sunny Moderate Mid-Flood Surface 1.00 6:22:00 PM 8.19 8.48 30.88 28.30 2.90 6.00 WSR36 20210824 Sunny Moderate Mid-Flood Surface 1.00 6:22:00 PM 8.28 8.50 30.68 28.32 2.43 8.00 WSR36 20210824 Sunny Moderate Mid-Flood Middle 3.25 6:22:00 PM 8.11 8.38 30.65 28.30 2.21 8.00 WSR36 20210824 Sunny Moderate Mid-Flood Bottom 5.50 6:21:00 PM 8.45 8.54 31.22 28.30 2.21 8.00 WSR36 20210826 Sunny Moderate Mid-Flood Surface 1.00 9:3:00 AM 8.56 8.44 29.18 28.60 1.95 9:00 WSR362	WSR36	20210821	Sunny	Moderate	Mid-Flood	Middle	3.15	5:58:00 PM	8.31	8.34	30.44	28.93	2.61	7.00
WSR36 20210824 Sunny Moderate Mid-Flood Surface 1.00 6:22:00 PM 8.19 8.48 30.88 28.30 2.90 6.00 WSR36 20210824 Sunny Moderate Mid-Flood Surface 1.00 6:22:00 PM 8.28 8.50 30.68 28.32 2.43 8.00 WSR36 20210824 Sunny Moderate Mid-Flood Middle 3.25 6:22:00 PM 8.11 8.38 30.65 28.32 2.43 8.00 WSR36 20210824 Sunny Moderate Mid-Flood Bottom 5.50 6:21:00 PM 8.60 8.53 30.93 28.30 2.21 8.00 WSR36 20210826 Sunny Moderate Mid-Flood Surface 1.00 9:33:00 AM 8.56 8.44 29.18 2.860 1.95 9.00 WSR36 20210826 Sunny Moderate Mid-Flood Surface 1.00 9:33:00 AM 8.56 8.44 29.18 2.861 2.11 8.00 WSR36 <td>WSR36</td> <td>20210821</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Bottom</td> <td>5.30</td> <td>5:57:00 PM</td> <td>8.13</td> <td>8.21</td> <td>30.36</td> <td>28.93</td> <td>2.16</td> <td>9.00</td>	WSR36	20210821	Sunny	Moderate	Mid-Flood	Bottom	5.30	5:57:00 PM	8.13	8.21	30.36	28.93	2.16	9.00
WSR3620210824 SunnyModerateMid-FloodSurface1.006'22:00 PM8.288.5030.6828.362.776.00WSR3620210824 SunnyModerateMid-FloodMiddle3.256'22:00 PM8.118.3830.6528.322.438.00WSR3620210824 SunnyModerateMid-FloodBottom5.506'21:00 PM8.608.5330.9328.302.218.00WSR3620210824 SunnyModerateMid-FloodBottom5.506'21:00 PM8.658.4429.1828.601.559.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:33:00 AM8.568.4429.1828.601.959.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:33:00 AM8.568.4429.1828.612.118.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:33:00 AM8.368.3729.1628.622.468.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:32:00 AM8.368.3729.1628.622.058.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:40:00 AM8.308.3129.1228.622.058.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:40:00 AM8.308.3129.12<	WSR36	20210821	Sunny	Moderate	Mid-Flood	Bottom	5.30	5:57:00 PM	8.85	8.46	30.55	28.97	1.90	9.00
WSR3620210824 SunnyModerateMid-FloodMiddle3.256.22.00 PM8.118.3830.6528.322.438.00WSR3620210824 SunnyModerateMid-FloodMiddle3.256.22.00 PM7.938.4630.7628.302.619.00WSR3620210824 SunnyModerateMid-FloodBottom5.506.21.00 PM8.608.5330.9328.302.218.00WSR3620210826 SunnyModerateMid-FloodBottom5.506.21.00 PM8.458.5431.2228.302.207.00WSR3620210826 SunnyModerateMid-FloodSurface1.009.33:00 AM8.568.4429.1828.601.959.00WSR3620210826 SunnyModerateMid-FloodSurface1.009.33:00 AM8.368.3729.1628.632.468.00WSR3620210826 SunnyModerateMid-FloodMiddle3.209.33:00 AM8.368.3729.1628.632.458.00WSR3620210826 SunnyModerateMid-FloodMiddle3.209.32:00 AM8.408.3728.902.552.389.00WSR3620210826 SunnyModerateMid-FloodSurface1.009.32:00 AM8.408.3728.922.852.324.00WSR3620210826 SunnyModerateMid-FloodSurface1.009.40:00 AM8.438.1229.49<	WSR36	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:22:00 PM	8.19	8.48	30.88	28.30	2.90	6.00
WSR3620210824 SunnyModerateMid-FloodMiddle3.256.22:00 PM7.938.4630.7628.302.619.00WSR3620210824 SunnyModerateMid-FloodBottom5.506.21:00 PM8.608.5330.9328.302.218.00WSR3620210826 SunnyModerateMid-FloodBottom5.506.21:00 PM8.458.5431.2228.392.207.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:33:00 AM8.568.4429.1828.601.959.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:33:00 AM8.268.3429.0228.612.118.00WSR3620210826 SunnyModerateMid-FloodMidale3.209:33:00 AM8.368.3729.1628.622.058.00WSR3620210826 SunnyModerateMid-FloodBottom5.409:32:00 AM8.408.3728.9528.622.058.00WSR3620210826 SunnyModerateMid-FloodBottom5.409:32:00 AM8.368.3029.1228.552.389.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.378.3129.1928.802.795.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.098.1829.27 <td>WSR36</td> <td>20210824</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Surface</td> <td>1.00</td> <td>6:22:00 PM</td> <td>8.28</td> <td>8.50</td> <td>30.68</td> <td>28.36</td> <td>2.77</td> <td>6.00</td>	WSR36	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:22:00 PM	8.28	8.50	30.68	28.36	2.77	6.00
WSR3620210824 SunnyModerateMid-FloodBottom5.506:21:00 PM8.608.5330.9328.302.218.00WSR3620210824 SunnyModerateMid-FloodBottom5.506:21:00 PM8.458.5431.2228.392.207.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:33:00 AM8.568.4429.1828.601.959.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:33:00 AM8.268.3429.2028.612.118.00WSR3620210826 SunnyModerateMid-FloodMidle3.209:33:00 AM8.368.3729.1628.632.468.00WSR3620210826 SunnyModerateMid-FloodMidle3.209:32:00 AM8.368.3729.1628.632.468.00WSR3620210826 SunnyModerateMid-FloodBottom5.409:32:00 AM8.408.3728.9528.622.058.00WSR3620210826 SunnyModerateMid-FloodBottom5.409:32:00 AM8.368.3029.1428.572.328.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:40:00 AM8.378.0329.1928.802.795.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.408.1229.39<	WSR36	20210824	Sunny	Moderate	Mid-Flood	Middle	3.25	6:22:00 PM	8.11	8.38	30.65	28.32	2.43	8.00
WSR3620210824 SunnyModerateMid-FloodBottom5.506:21:00 PM8.458.5431.2228.392.207.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:33:00 AM8.568.4429.1828.601.959.00WSR3620210826 SunnyModerateMid-FloodSurface1.009:33:00 AM8.268.3429.2028.612.118.00WSR3620210826 SunnyModerateMid-FloodMiddle3.209:33:00 AM8.368.3729.1628.632.468.00WSR3620210826 SunnyModerateMid-FloodMiddle3.209:33:00 AM8.368.3728.9528.622.058.00WSR3620210826 SunnyModerateMid-FloodBottom5.409:32:00 AM8.368.3029.2428.572.328.00WSR3620210826 SunnyModerateMid-FloodBottom5.409:32:00 AM8.368.3029.1428.572.328.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.378.0329.1928.802.795.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.308.1829.1728.682.527.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.038.1829.17 <td>WSR36</td> <td>20210824</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Middle</td> <td>3.25</td> <td>6:22:00 PM</td> <td>7.93</td> <td>8.46</td> <td>30.76</td> <td>28.30</td> <td>2.61</td> <td>9.00</td>	WSR36	20210824	Sunny	Moderate	Mid-Flood	Middle	3.25	6:22:00 PM	7.93	8.46	30.76	28.30	2.61	9.00
WSR3620210826 Sunny WSR36ModerateMid-FloodSurface1.009:33:00 AM8.568.4429.1828.601.959.00WSR3620210826 Sunny ModerateMid-FloodSurface1.009:33:00 AM8.268.3429.2028.612.118.00WSR3620210826 Sunny ModerateMid-FloodMiddle3.209:33:00 AM8.368.3729.1628.632.468.00WSR3620210826 Sunny ModerateMid-FloodMiddle3.209:33:00 AM8.578.3829.0228.552.389.00WSR3620210826 Sunny ModerateMid-FloodBottom5.409:32:00 AM8.408.3728.9528.622.058.00WSR3620210826 Sunny ModerateMid-FloodBottom5.409:32:00 AM8.368.3029.1428.572.328.00WSR3620210828 Sunny ModerateMid-FloodSurface1.009:40:00 AM8.378.0329.1928.802.795.00WSR3620210828 Sunny ModerateMid-FloodSurface1.009:40:00 AM8.098.1829.1728.802.527.00WSR3620210828 Sunny ModerateMid-FloodMidele3.859:40:00 AM8.098.1229.392.587.00WSR3620210828 Sunny ModerateMid-FloodSurface1.005:32:00 PM8.098.2229.642.772.539.00 <td>WSR36</td> <td>20210824</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Bottom</td> <td>5.50</td> <td>6:21:00 PM</td> <td>8.60</td> <td>8.53</td> <td>30.93</td> <td>28.30</td> <td>2.21</td> <td>8.00</td>	WSR36	20210824	Sunny	Moderate	Mid-Flood	Bottom	5.50	6:21:00 PM	8.60	8.53	30.93	28.30	2.21	8.00
WSR3620210826 SunnyModerateMid-FloodSurface1.009:33:00 AM8.268.3429.2028.612.118.00WSR3620210826 SunnyModerateMid-FloodMiddle3.209:33:00 AM8.368.3729.1628.632.468.00WSR3620210826 SunnyModerateMid-FloodMiddle3.209:33:00 AM8.578.3829.0228.552.389.00WSR3620210826 SunnyModerateMid-FloodBottom5.409:32:00 AM8.408.3728.9528.622.058.00WSR3620210826 SunnyModerateMid-FloodBottom5.409:32:00 AM8.368.3029.2428.572.328.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.378.0329.1928.802.795.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.098.1829.2728.802.554.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.098.1829.1728.802.527.00WSR3620210828 SunnyModerateMid-FloodMidle3.859:40:00 AM8.098.1829.1728.662.527.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:39:00 AM8.098.1229.27 <td>WSR36</td> <td>20210824</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Bottom</td> <td>5.50</td> <td>6:21:00 PM</td> <td>8.45</td> <td>8.54</td> <td>31.22</td> <td>28.39</td> <td>2.20</td> <td>7.00</td>	WSR36	20210824	Sunny	Moderate	Mid-Flood	Bottom	5.50	6:21:00 PM	8.45	8.54	31.22	28.39	2.20	7.00
WSR3620210826 SunnyModerateMid-FloodMiddle3.209:33:00 AM8.368.3729.1628.632.468.00WSR3620210826 SunnyModerateMid-FloodMiddle3.209:33:00 AM8.578.3829.0228.552.389.00WSR3620210826 SunnyModerateMid-FloodBottom5.409:32:00 AM8.408.3728.9528.622.058.00WSR3620210826 SunnyModerateMid-FloodBottom5.409:32:00 AM8.368.3029.2428.572.328.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.378.0329.1928.802.795.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.098.1829.2728.802.557.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.098.1829.1728.802.557.00WSR3620210828 SunnyModerateMid-FloodMiddle3.859:40:00 AM8.038.1829.1728.962.527.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.098.0229.2728.683.087.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.398.2129.28	WSR36	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	9:33:00 AM	8.56	8.44	29.18	28.60	1.95	9.00
WSR3620210826 SunnyModerateMid-FloodMiddle3.209.33:00 AM8.578.3829.0228.552.389.00WSR3620210826 SunnyModerateMid-FloodBottom5.409.32:00 AM8.408.3728.9528.622.058.00WSR3620210826 SunnyModerateMid-FloodBottom5.409.32:00 AM8.368.3029.2428.572.328.00WSR3620210828 SunnyModerateMid-FloodSurface1.009.40:00 AM8.378.0329.1928.802.795.00WSR3620210828 SunnyModerateMid-FloodSurface1.009.40:00 AM8.098.1829.2728.802.954.00WSR3620210828 SunnyModerateMid-FloodSurface1.009.40:00 AM8.098.1829.1728.962.527.00WSR3620210828 SunnyModerateMid-FloodMidle3.859.40:00 AM8.098.1829.1728.962.527.00WSR3620210828 SunnyModerateMid-FloodBottom6.709.39:00 AM8.098.2229.2728.683.087.00WSR3620210828 SunnyModerateMid-FloodBottom6.709.39:00 AM8.098.2129.2829.012.777.00WSR3620210831 CloudyModerateMid-FloodSurface1.005.32:00 PM8.488.2229.64 <td>WSR36</td> <td>20210826</td> <td>Sunny</td> <td>Moderate</td> <td>Mid-Flood</td> <td>Surface</td> <td>1.00</td> <td>9:33:00 AM</td> <td>8.26</td> <td>8.34</td> <td>29.20</td> <td>28.61</td> <td>2.11</td> <td>8.00</td>	WSR36	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	9:33:00 AM	8.26	8.34	29.20	28.61	2.11	8.00
WSR3620210826 SunnyModerateMid-FloodBottom5.409.32:00 AM8.408.3728.9528.622.058.00WSR3620210826 SunnyModerateMid-FloodBottom5.409.32:00 AM8.368.3029.2428.572.328.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.378.0329.1928.802.795.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.098.1829.2728.802.954.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.098.1829.2728.802.954.00WSR3620210828 SunnyModerateMid-FloodMidle3.859:40:00 AM8.098.1229.3929.032.587.00WSR3620210828 SunnyModerateMid-FloodMidle3.859:40:00 AM8.038.1829.1728.962.527.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.098.0229.2728.683.087.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.398.2129.2829.012.777.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.488.2229.64	WSR36	20210826	Sunny	Moderate	Mid-Flood	Middle	3.20	9:33:00 AM	8.36	8.37	29.16	28.63	2.46	8.00
WSR3620210826 SunnyModerateMid-FloodBottom5.409:32:00 AM8.368.3029.2428.572.328.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.378.0329.1928.802.795.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.098.1829.2728.802.954.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.098.1829.2728.802.954.00WSR3620210828 SunnyModerateMid-FloodMidle3.859:40:00 AM8.038.1829.1728.962.527.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.098.0229.2728.683.087.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.098.0229.2728.683.087.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.398.2129.2829.012.777.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.908.2829.8427.732.669.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.918.2329.54	WSR36	20210826	Sunny	Moderate	Mid-Flood	Middle	3.20	9:33:00 AM	8.57	8.38	29.02	28.55	2.38	9.00
WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.378.0329.1928.802.795.00WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.098.1829.2728.802.954.00WSR3620210828 SunnyModerateMid-FloodMidle3.859:40:00 AM8.408.1229.3929.032.587.00WSR3620210828 SunnyModerateMid-FloodMidle3.859:40:00 AM8.098.1829.1728.962.527.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.098.0229.2728.683.087.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.398.2129.2829.012.777.00WSR3620210828 SunnyModerateMid-FloodSurface1.005:32:00 PM8.488.2229.6427.742.539.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.908.2829.8427.732.669.00WSR3620210831 CloudyModerateMid-FloodMidle3.355:32:00 PM9.138.2229.5427.703.257.00WSR3620210831 CloudyModerateMid-FloodMidle3.355:32:00 PM8.918.2329.66	WSR36	20210826	Sunny	Moderate	Mid-Flood	Bottom	5.40	9:32:00 AM	8.40	8.37	28.95	28.62	2.05	8.00
WSR3620210828 SunnyModerateMid-FloodSurface1.009:40:00 AM8.098.1829.2728.802.954.00WSR3620210828 SunnyModerateMid-FloodMiddle3.859:40:00 AM8.408.1229.3929.032.587.00WSR3620210828 SunnyModerateMid-FloodMiddle3.859:40:00 AM8.038.1829.1728.962.527.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.098.0229.2728.683.087.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.398.2129.2829.012.777.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.488.2229.6427.742.539.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.908.2829.8427.732.669.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM8.918.2229.5427.703.257.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM8.918.2329.6427.703.257.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM8.918.2329.64	WSR36	20210826	Sunny	Moderate	Mid-Flood	Bottom	5.40	9:32:00 AM	8.36	8.30	29.24	28.57	2.32	8.00
WSR3620210828 SunnyModerateMid-FloodMiddle3.859:40:00 AM8.408.1229.3929.032.587.00WSR3620210828 SunnyModerateMid-FloodMiddle3.859:40:00 AM8.038.1829.1728.962.527.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.098.0229.2728.683.087.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.398.2129.2829.012.777.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.488.2229.6427.742.539.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.908.2829.8427.732.669.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM8.918.2229.5427.703.257.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM8.918.2329.9627.733.119.00	WSR36	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	9:40:00 AM	8.37	8.03	29.19	28.80	2.79	5.00
WSR3620210828 SunnyModerateMid-FloodMiddle3.859:40:00 AM8.038.1829.1728.962.527.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.098.0229.2728.683.087.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.398.2129.2829.012.777.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.488.2229.6427.742.539.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.908.2829.8427.732.669.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.918.2229.5427.703.257.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM8.918.2329.9627.733.119.00	WSR36	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	9:40:00 AM	8.09	8.18	29.27	28.80	2.95	4.00
WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.098.0229.2728.683.087.00WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.398.2129.2829.012.777.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.488.2229.6427.742.539.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.908.2829.8427.732.669.00WSR3620210831 CloudyModerateMid-FloodMidle3.355:32:00 PM9.138.2229.5427.703.257.00WSR3620210831 CloudyModerateMid-FloodMidle3.355:32:00 PM8.918.2329.9627.733.119.00	WSR36	20210828	Sunny	Moderate	Mid-Flood	Middle	3.85	9:40:00 AM	8.40	8.12	29.39	29.03	2.58	7.00
WSR3620210828 SunnyModerateMid-FloodBottom6.709:39:00 AM8.398.2129.2829.012.777.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.488.2229.6427.742.539.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.908.2829.8427.732.669.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM9.138.2229.5427.703.257.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM8.918.2329.9627.733.119.00	WSR36	20210828	Sunny	Moderate	Mid-Flood	Middle	3.85	9:40:00 AM	8.03	8.18	29.17	28.96	2.52	7.00
WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.488.2229.6427.742.539.00WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.908.2829.8427.732.669.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM9.138.2229.5427.703.257.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM8.918.2329.9627.733.119.00	WSR36	20210828	Sunny	Moderate	Mid-Flood	Bottom	6.70	9:39:00 AM	8.09	8.02	29.27	28.68	3.08	7.00
WSR3620210831 CloudyModerateMid-FloodSurface1.005:32:00 PM8.908.2829.8427.732.669.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM9.138.2229.5427.703.257.00WSR3620210831 CloudyModerateMid-FloodMiddle3.355:32:00 PM8.918.2329.9627.733.119.00	WSR36	20210828	Sunny	Moderate	Mid-Flood	Bottom	6.70	9:39:00 AM	8.39	8.21	29.28	29.01	2.77	7.00
WSR36 20210831 Cloudy Moderate Mid-Flood Middle 3.35 5:32:00 PM 9.13 8.22 29.54 27.70 3.25 7.00 WSR36 20210831 Cloudy Moderate Mid-Flood Middle 3.35 5:32:00 PM 8.91 8.23 29.96 27.73 3.11 9.00	WSR36	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:32:00 PM	8.48	8.22	29.64	27.74	2.53	9.00
WSR36 20210831 Cloudy Moderate Mid-Flood Middle 3.35 5:32:00 PM 8.91 8.23 29.96 27.73 3.11 9.00	WSR36	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:32:00 PM	8.90	8.28	29.84	27.73	2.66	9.00
	WSR36	20210831	Cloudy	Moderate	Mid-Flood	Middle	3.35	5:32:00 PM	9.13	8.22	29.54	27.70	3.25	7.00
WSR36 20210831 Cloudy Moderate Mid-Flood Bottom 5.70 5:31:00 PM 8.99 8.31 29.95 27.80 2.49 9.00	WSR36	20210831	Cloudy	Moderate	Mid-Flood	Middle	3.35	5:32:00 PM	8.91	8.23	29.96	27.73	3.11	9.00
	WSR36	20210831	Cloudy	Moderate	Mid-Flood	Bottom	5.70	5:31:00 PM	8.99	8.31	29.95	27.80	2.49	9.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	D0 (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR36	20210831	Cloudy	Moderate	Mid-Flood	Bottom	5.70	5:31:00 PM	8.97	8.31	29.86	27.80	2.81	9.00
WSR37	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:46:00 PM	8.23	8.06	30.54	27.36	1.98	14.00
WSR37	20210803	Cloudy	Moderate	Mid-Flood	Surface	1.00	3:46:00 PM	8.09	8.01	30.33	27.34	2.19	14.00
WSR37	20210803	Cloudy	Moderate	Mid-Flood	Middle	4.20	3:45:00 PM	8.32	8.03	30.19	27.42	2.07	6.00
WSR37	20210803	Cloudy	Moderate	Mid-Flood	Middle	4.20	3:45:00 PM	8.15	8.00	30.66	27.47	1.97	7.00
WSR37	20210803	Cloudy	Moderate	Mid-Flood	Bottom	7.40	3:44:00 PM	8.40	8.06	30.54	27.50	1.50	15.00
WSR37	20210803	Cloudy	Moderate	Mid-Flood	Bottom	7.40	3:44:00 PM	8.08	8.06	30.55	27.49	1.48	15.00
WSR37	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:51:00 PM	7.94	8.09	29.61	27.56	3.13	11.00
WSR37	20210805	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:51:00 PM	7.77	8.02	29.77	27.50	3.18	11.00
WSR37	20210805	Cloudy	Moderate	Mid-Flood	Middle	4.40	5:50:00 PM	7.53	8.08	29.65	27.66	2.89	6.00
WSR37	20210805	Cloudy	Moderate	Mid-Flood	Middle	4.40	5:50:00 PM	7.78	8.01	29.69	27.60	2.43	10.00
WSR37	20210805	Cloudy	Moderate	Mid-Flood	Bottom	7.80	5:49:00 PM	7.80	8.05	29.55	27.59	2.33	9.00
WSR37	20210805	Cloudy	Moderate	Mid-Flood	Bottom	7.80	5:49:00 PM	8.20	8.05	29.83	27.68	2.68	9.00
WSR37	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:19:00 PM	8.77	8.18	31.21	28.05	2.22	7.00
WSR37	20210807	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:19:00 PM	9.24	8.25	31.15	28.03	2.33	8.00
WSR37	20210807	Cloudy	Moderate	Mid-Flood	Middle	4.10	6:18:00 PM	8.68	8.20	30.85	27.93	2.23	8.00
WSR37	20210807	Cloudy	Moderate	Mid-Flood	Middle	4.10	6:18:00 PM	9.19	8.26	31.24	28.04	2.36	8.00
WSR37	20210807	Cloudy	Moderate	Mid-Flood	Bottom	7.20	6:17:00 PM	8.84	8.29	31.00	28.06	2.17	8.00
WSR37	20210807	Cloudy	Moderate	Mid-Flood	Bottom	7.20	6:17:00 PM	8.85	8.15	31.30	28.05	2.13	9.00
WSR37	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:40:00 PM	8.10	7.97	30.57	28.94	2.71	3.00
WSR37	20210810	Cloudy	Moderate	Mid-Flood	Surface	1.00	6:40:00 PM	7.93	8.05	30.40	29.04	2.46	2.50
WSR37	20210810	Cloudy	Moderate	Mid-Flood	Middle	3.90	6:39:00 PM	7.95	7.99	30.38	29.03	2.39	3.00
WSR37	20210810	Cloudy	Moderate	Mid-Flood	Middle	3.90	6:39:00 PM	7.84	8.01	30.22	28.90	2.73	2.50
WSR37	20210810	Cloudy	Moderate	Mid-Flood	Bottom	6.80	6:38:00 PM	8.15	8.07	30.30	28.88	2.06	2.50
WSR37	20210810	Cloudy	Moderate	Mid-Flood	Bottom	6.80	6:38:00 PM	7.98	8.04	30.41	28.99	2.18	3.00
WSR37	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	9:44:00 AM	8.20	8.15	30.54	28.32	2.53	4.00
WSR37	20210812	Sunny	Moderate	Mid-Flood	Surface	1.00	9:44:00 AM	8.31	8.21	30.43	28.35	2.73	7.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR37	20210812	Sunny	Moderate	Mid-Flood	Middle	4.10	9:43:00 AM	8.58	8.24	30.49	28.37	1.93	3.00
WSR37	20210812	Sunny	Moderate	Mid-Flood	Middle	4.10	9:43:00 AM	8.45	8.22	30.66	28.34	2.24	4.00
WSR37	20210812	Sunny	Moderate	Mid-Flood	Bottom	7.20	9:42:00 AM	8.62	8.10	30.37	28.38	1.96	4.00
WSR37	20210812	Sunny	Moderate	Mid-Flood	Bottom	7.20	9:42:00 AM	8.61	8.11	30.38	28.21	1.94	3.00
WSR37	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	10:37:00 AM	7.85	8.36	31.18	28.06	2.51	4.00
WSR37	20210814	Sunny	Moderate	Mid-Flood	Surface	1.00	10:37:00 AM	7.37	8.25	31.26	27.95	2.21	4.00
WSR37	20210814	Sunny	Moderate	Mid-Flood	Middle	4.30	10:36:00 AM	8.11	8.40	30.74	28.08	1.87	3.00
WSR37	20210814	Sunny	Moderate	Mid-Flood	Middle	4.30	10:36:00 AM	7.25	8.35	30.59	28.12	2.01	4.00
WSR37	20210814	Sunny	Moderate	Mid-Flood	Bottom	7.60	10:35:00 AM	7.46	8.22	30.70	28.10	1.98	4.00
WSR37	20210814	Sunny	Moderate	Mid-Flood	Bottom	7.60	10:35:00 AM	7.37	8.35	31.01	28.14	2.06	5.00
WSR37	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	2:54:00 PM	9.00	8.09	30.65	28.94	2.07	9.00
WSR37	20210817	Sunny	Moderate	Mid-Flood	Surface	1.00	2:54:00 PM	8.86	8.17	30.55	28.98	1.87	9.00
WSR37	20210817	Sunny	Moderate	Mid-Flood	Middle	4.05	2:53:00 PM	8.95	8.19	30.45	29.07	1.89	4.00
WSR37	20210817	Sunny	Moderate	Mid-Flood	Middle	4.05	2:53:00 PM	8.54	8.20	30.60	28.94	2.26	6.00
WSR37	20210817	Sunny	Moderate	Mid-Flood	Bottom	7.10	2:52:00 PM	8.61	8.06	30.57	29.06	1.69	4.00
WSR37	20210817	Sunny	Moderate	Mid-Flood	Bottom	7.10	2:52:00 PM	8.71	8.20	30.74	28.96	1.78	6.00
WSR37	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:37:00 PM	9.81	8.16	31.05	28.58	3.63	6.00
WSR37	20210819	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:37:00 PM	9.69	8.00	31.20	28.57	3.07	7.00
WSR37	20210819	Cloudy	Moderate	Mid-Flood	Middle	4.45	5:36:00 PM	9.41	8.21	31.04	28.62	3.47	5.00
WSR37	20210819	Cloudy	Moderate	Mid-Flood	Middle	4.45	5:36:00 PM	9.51	7.96	31.16	28.74	2.92	4.00
WSR37	20210819	Cloudy	Moderate	Mid-Flood	Bottom	7.90	5:35:00 PM	9.77	8.01	30.92	28.67	2.66	6.00
WSR37	20210819	Cloudy	Moderate	Mid-Flood	Bottom	7.90	5:35:00 PM	9.84	8.00	31.03	28.58	3.14	5.00
WSR37	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	6:07:00 PM	8.36	8.19	29.71	28.24	2.80	8.00
WSR37	20210821	Sunny	Moderate	Mid-Flood	Surface	1.00	6:07:00 PM	8.39	8.26	29.56	28.21	2.78	8.00
WSR37	20210821	Sunny	Moderate	Mid-Flood	Middle	4.30	6:06:00 PM	8.26	8.19	29.64	28.07	2.40	4.00
WSR37	20210821	Sunny	Moderate	Mid-Flood	Middle	4.30	6:06:00 PM	8.80	8.24	29.18	28.13	2.79	6.00
WSR37	20210821	Sunny	Moderate	Mid-Flood	Bottom	7.60	6:05:00 PM	8.74	8.26	29.27	28.26	2.22	4.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR37	20210821	Sunny	Moderate	Mid-Flood	Bottom	7.60	6:05:00 PM	8.30	8.32	29.43	28.11	2.27	5.00
WSR37	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:30:00 PM	8.36	8.23	31.18	28.60	2.22	9.00
WSR37	20210824	Sunny	Moderate	Mid-Flood	Surface	1.00	6:30:00 PM	8.15	8.28	30.59	28.56	2.29	9.00
WSR37	20210824	Sunny	Moderate	Mid-Flood	Middle	4.10	6:29:00 PM	8.42	8.33	30.76	28.48	2.19	9.00
WSR37	20210824	Sunny	Moderate	Mid-Flood	Middle	4.10	6:29:00 PM	8.53	8.29	30.79	28.51	2.57	9.00
WSR37	20210824	Sunny	Moderate	Mid-Flood	Bottom	7.20	6:28:00 PM	8.61	8.25	30.67	28.59	2.34	8.00
WSR37	20210824	Sunny	Moderate	Mid-Flood	Bottom	7.20	6:28:00 PM	8.05	8.20	30.68	28.52	2.18	8.00
WSR37	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	9:48:00 AM	7.88	8.18	30.11	28.28	3.49	10.00
WSR37	20210826	Sunny	Moderate	Mid-Flood	Surface	1.00	9:48:00 AM	8.30	8.20	29.90	28.27	3.24	10.00
WSR37	20210826	Sunny	Moderate	Mid-Flood	Middle	4.00	9:47:00 AM	8.20	8.15	29.96	28.30	2.55	10.00
WSR37	20210826	Sunny	Moderate	Mid-Flood	Middle	4.00	9:47:00 AM	8.14	8.26	30.10	28.34	2.83	10.00
WSR37	20210826	Sunny	Moderate	Mid-Flood	Bottom	7.00	9:46:00 AM	7.89	8.10	30.10	28.29	2.85	7.00
WSR37	20210826	Sunny	Moderate	Mid-Flood	Bottom	7.00	9:46:00 AM	8.11	8.17	29.91	28.25	2.45	6.00
WSR37	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	9:55:00 AM	8.36	8.07	28.88	28.33	2.82	4.00
WSR37	20210828	Sunny	Moderate	Mid-Flood	Surface	1.00	9:55:00 AM	8.20	8.22	28.95	28.29	3.01	4.00
WSR37	20210828	Sunny	Moderate	Mid-Flood	Middle	4.20	9:54:00 AM	8.10	8.04	29.02	28.68	2.62	9.00
WSR37	20210828	Sunny	Moderate	Mid-Flood	Middle	4.20	9:54:00 AM	8.31	8.21	29.02	28.52	2.86	8.00
WSR37	20210828	Sunny	Moderate	Mid-Flood	Bottom	7.40	9:53:00 AM	8.44	8.23	28.84	28.67	2.53	5.00
WSR37	20210828	Sunny	Moderate	Mid-Flood	Bottom	7.40	9:53:00 AM	8.32	8.14	28.86	28.50	2.91	4.00
WSR37	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:46:00 PM	8.52	8.22	29.25	27.92	2.46	8.00
WSR37	20210831	Cloudy	Moderate	Mid-Flood	Surface	1.00	5:46:00 PM	8.17	8.24	29.29	27.86	2.79	8.00
WSR37	20210831	Cloudy	Moderate	Mid-Flood	Middle	4.45	5:45:00 PM	8.82	8.18	29.68	27.97	2.29	7.00
WSR37	20210831	Cloudy	Moderate	Mid-Flood	Middle	4.45	5:45:00 PM	8.24	8.18	29.41	27.99	2.28	8.00
WSR37	20210831	Cloudy	Moderate	Mid-Flood	Bottom	7.90	5:44:00 PM	8.15	8.21	29.36	27.87	2.06	9.00
WSR37	20210831	Cloudy	Moderate	Mid-Flood	Bottom	7.90	5:44:00 PM	8.78	8.18	29.50	27.93	1.72	9.00

Note 1: Measurements of turbidity would be rounding to 0.1 NTU for proven accuracy as per the equipment specs during utilization of data.

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

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)	
----------	--------------------	---------	------------------	-------	----------------	-----------	--------------	-----------	----	-----------	-----------	-----------------------------	-----------------------	--

Note 2: 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

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
CE	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:02:00 AM	8.00	8.20	30.20	27.20	3.60	4.00
CE	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:02:00 AM	7.80	8.00	30.10	27.30	3.70	5.00
CE	20210803	Cloudy	Moderate	Mid-Ebb	Middle	10.10	8:01:00 AM	7.80	8.10	30.20	27.10	3.80	9.00
CE	20210803	Cloudy	Moderate	Mid-Ebb	Middle	10.10	8:01:00 AM	7.80	8.10	30.30	27.10	3.20	9.00
CE	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	19.10	8:00:00 AM	8.10	8.20	30.40	27.20	3.60	10.00
CE	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	19.10	8:00:00 AM	7.90	8.10	30.30	27.20	3.60	10.00
CE	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:38:00 AM	8.27	8.05	30.50	27.49	4.21	2.50
CE	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:38:00 AM	7.90	8.07	30.42	27.60	3.64	2.50
CE	20210805	Cloudy	Moderate	Mid-Ebb	Middle	10.55	8:37:00 AM	7.94	8.11	30.46	27.51	3.53	2.50
CE	20210805	Cloudy	Moderate	Mid-Ebb	Middle	10.55	8:37:00 AM	7.90	8.08	30.44	27.63	3.50	2.50
CE	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	20.10	8:36:00 AM	8.08	8.14	30.48	27.43	3.61	5.00
CE	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	20.10	8:36:00 AM	8.10	8.08	30.54	27.52	3.76	5.00
CE	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:48:00 AM	8.82	7.99	31.00	28.63	2.44	7.00
CE	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:48:00 AM	8.48	8.09	31.06	28.70	2.79	5.00
CE	20210807	Cloudy	Moderate	Mid-Ebb	Middle	10.25	9:47:00 AM	8.63	7.99	31.26	28.72	2.65	5.00
CE	20210807	Cloudy	Moderate	Mid-Ebb	Middle	10.25	9:47:00 AM	8.34	8.06	31.24	28.79	2.35	4.00
CE	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	19.50	9:46:00 AM	8.79	8.06	31.08	28.72	2.74	5.00
CE	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	19.50	9:46:00 AM	8.59	8.10	31.12	28.66	2.94	5.00
CE	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:51:00 AM	7.97	8.11	29.94	29.22	3.19	3.00
CE	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:51:00 AM	8.02	8.20	29.99	29.17	3.22	3.00
CE	20210810	Cloudy	Moderate	Mid-Ebb	Middle	10.35	11:50:00 AM	7.96	8.22	29.96	29.14	3.24	2.50
CE	20210810	Cloudy	Moderate	Mid-Ebb	Middle	10.35	11:50:00 AM	8.31	8.12	29.98	29.06	2.83	3.00
CE	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	19.70	11:49:00 AM	8.31	8.17	29.90	29.01	3.29	3.00
CE	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	19.70	11:49:00 AM	7.86	8.19	30.05	29.15	3.26	3.00
CE	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	12:49:00 PM	9.22	8.31	30.83	29.10	3.94	4.00
CE	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	12:49:00 PM	9.09	8.24	30.83	28.94	3.33	4.00
CE	20210812	Sunny	Moderate	Mid-Ebb	Middle	11.80	12:48:00 PM	9.10	8.27	30.89	29.00	3.75	3.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
CE	20210812 S	unny	Moderate	Mid-Ebb	Middle	11.80	12:48:00 PM	9.17	8.17	30.61	28.91	4.22	4.00
CE	20210812 S	unny	Moderate	Mid-Ebb	Bottom	22.60	12:47:00 PM	9.15	8.19	30.65	28.91	3.69	3.00
CE	20210812 S	unny	Moderate	Mid-Ebb	Bottom	22.60	12:47:00 PM	9.06	8.27	30.65	29.09	3.60	3.00
CE	20210814 S	unny	Moderate	Mid-Ebb	Surface	1.00	2:52:00 PM	8.49	8.11	30.36	27.97	2.88	3.00
CE	20210814 S	unny	Moderate	Mid-Ebb	Surface	1.00	2:52:00 PM	8.11	8.28	30.59	27.87	3.18	3.00
CE	20210814 S	unny	Moderate	Mid-Ebb	Middle	10.90	2:51:00 PM	8.09	8.22	30.35	27.76	3.50	4.00
CE	20210814 S	unny	Moderate	Mid-Ebb	Middle	10.90	2:51:00 PM	8.57	8.25	30.53	27.90	3.63	2.50
CE	20210814 S	unny	Moderate	Mid-Ebb	Bottom	20.80	2:50:00 PM	8.11	8.24	30.43	27.96	3.37	3.00
CE	20210814 S	unny	Moderate	Mid-Ebb	Bottom	20.80	2:50:00 PM	7.86	8.18	30.67	27.82	3.80	2.50
CE	20210817 S	unny	Moderate	Mid-Ebb	Surface	1.00	8:02:00 AM	8.02	8.19	30.69	28.57	3.00	4.00
CE	20210817 S	unny	Moderate	Mid-Ebb	Surface	1.00	8:02:00 AM	8.43	8.32	30.72	28.67	3.18	5.00
CE	20210817 S	unny	Moderate	Mid-Ebb	Middle	10.80	8:01:00 AM	8.15	8.22	30.84	28.65	3.26	9.00
CE	20210817 S	unny	Moderate	Mid-Ebb	Middle	10.80	8:01:00 AM	8.12	8.16	30.73	28.69	3.53	6.00
CE	20210817 S	unny	Moderate	Mid-Ebb	Bottom	20.60	8:00:00 AM	8.06	8.28	30.65	28.48	3.05	4.00
CE	20210817 S	unny	Moderate	Mid-Ebb	Bottom	20.60	8:00:00 AM	8.27	8.16	30.85	28.52	3.26	5.00
CE	20210819 C	loudy	Moderate	Mid-Ebb	Surface	1.00	8:13:00 AM	8.97	8.35	30.27	28.32	3.33	5.00
CE	20210819 C	loudy	Moderate	Mid-Ebb	Surface	1.00	8:13:00 AM	8.96	8.22	30.50	28.07	3.15	4.00
CE	20210819 C	loudy	Moderate	Mid-Ebb	Middle	11.50	8:12:00 AM	9.03	8.18	30.49	28.18	3.28	9.00
CE	20210819 C	loudy	Moderate	Mid-Ebb	Middle	11.50	8:12:00 AM	9.35	8.27	30.28	28.33	3.46	9.00
CE	20210819 C	loudy	Moderate	Mid-Ebb	Bottom	22.00	8:11:00 AM	8.81	8.18	30.47	28.30	3.51	5.00
CE	20210819 C	loudy	Moderate	Mid-Ebb	Bottom	22.00	8:11:00 AM	8.57	8.31	30.57	28.07	3.38	5.00
CE	20210821 S	unny	Moderate	Mid-Ebb	Surface	1.00	9:39:00 AM	8.70	8.10	30.30	28.80	3.40	5.00
CE	20210821 S	unny	Moderate	Mid-Ebb	Surface	1.00	9:39:00 AM	8.30	8.20	29.90	28.70	3.20	4.00
CE	20210821 S	unny	Moderate	Mid-Ebb	Middle	10.70	9:38:00 AM	8.40	8.20	29.90	28.60	3.30	7.00
CE	20210821 S	unny	Moderate	Mid-Ebb	Middle	10.70	9:38:00 AM	8.80	8.30	29.90	28.90	3.30	7.00
CE	20210821 S	unny	Moderate	Mid-Ebb	Bottom	20.30	9:37:00 AM	8.90	8.20	30.30	28.60	3.10	7.00
CE	20210821 S	unny	Moderate	Mid-Ebb	Bottom	20.30	9:37:00 AM	8.90	8.30	30.10	28.90	3.40	7.00

Location	Date We (YYYYMMDD)	ather Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
CE	20210824 Sunr	iy Moderate	Mid-Ebb	Surface	1.00	11:55:00 AM	8.80	8.40	30.80	29.40	3.90	3.00
CE	20210824 Sunr	iy Moderate	Mid-Ebb	Surface	1.00	11:55:00 AM	8.80	8.40	30.50	29.40	4.30	4.00
CE	20210824 Sunr	iy Moderate	Mid-Ebb	Middle	10.70	11:54:00 AM	8.80	8.50	30.90	29.40	3.40	9.00
CE	20210824 Sunr	iy Moderate	Mid-Ebb	Middle	10.70	11:54:00 AM	8.90	8.40	30.50	29.40	3.20	9.00
CE	20210824 Sunr	iy Moderate	Mid-Ebb	Bottom	20.40	11:53:00 AM	8.70	8.40	30.80	29.30	3.40	3.00
CE	20210824 Sunr	iy Moderate	Mid-Ebb	Bottom	20.40	11:53:00 AM	9.00	8.40	30.90	29.40	3.20	4.00
CE	20210826 Sunr	iy Moderate	Mid-Ebb	Surface	1.00	12:56:00 PM	8.65	8.34	30.14	28.63	3.95	7.00
CE	20210826 Sunr	iy Moderate	Mid-Ebb	Surface	1.00	12:56:00 PM	8.53	8.35	30.01	28.72	4.19	4.00
CE	20210826 Sunr	iy Moderate	Mid-Ebb	Middle	10.65	12:55:00 PM	8.60	8.41	30.10	28.64	3.57	10.00
CE	20210826 Sunr	iy Moderate	Mid-Ebb	Middle	10.65	12:55:00 PM	8.87	8.36	30.06	28.68	3.60	9.00
CE	20210826 Sunr	iy Moderate	Mid-Ebb	Bottom	20.30	12:54:00 PM	8.71	8.33	29.90	28.53	3.85	5.00
CE	20210826 Sunr	iy Moderate	Mid-Ebb	Bottom	20.30	12:54:00 PM	8.49	8.38	29.96	28.64	4.11	5.00
CE	20210828 Sunr	y Moderate	Mid-Ebb	Surface	1.00	1:59:00 PM	8.48	8.12	29.51	28.51	4.26	3.00
CE	20210828 Sunr	iy Moderate	Mid-Ebb	Surface	1.00	1:59:00 PM	8.31	8.12	29.23	28.52	4.01	5.00
CE	20210828 Sunr	iy Moderate	Mid-Ebb	Middle	11.50	1:58:00 PM	8.45	8.20	29.44	28.48	4.48	5.00
CE	20210828 Sunr	iy Moderate	Mid-Ebb	Middle	11.50	1:58:00 PM	8.44	8.17	29.27	28.50	4.33	8.00
CE	20210828 Sunr	iy Moderate	Mid-Ebb	Bottom	22.00	1:57:00 PM	8.44	8.18	29.31	28.49	3.54	5.00
CE	20210828 Sunr	iy Moderate	Mid-Ebb	Bottom	22.00	1:57:00 PM	8.19	8.12	29.25	28.45	3.60	4.00
CE	20210831 Clou	dy Moderate	Mid-Ebb	Surface	1.00	8:02:00 AM	9.53	8.20	30.43	28.18	4.01	7.00
CE	20210831 Clou	dy Moderate	Mid-Ebb	Surface	1.00	8:02:00 AM	9.72	8.28	30.46	28.24	4.00	9.00
CE	20210831 Clou	dy Moderate	Mid-Ebb	Middle	11.60	8:01:00 AM	9.72	8.23	30.57	28.07	3.85	5.00
CE	20210831 Clou	dy Moderate	Mid-Ebb	Middle	11.60	8:01:00 AM	9.50	8.23	30.43	28.20	3.31	7.00
CE	20210831 Clou	dy Moderate	Mid-Ebb	Bottom	22.20	8:00:00 AM	9.65	8.21	30.51	28.34	3.01	9.00
CE	20210831 Clou	dy Moderate	Mid-Ebb	Bottom	22.20	8:00:00 AM	9.41	8.23	30.53	28.17	2.99	8.00
CF	20210803 Clou	dy Moderate	Mid-Ebb	Surface	1.00	10:29:00 AM	8.60	7.90	30.00	27.50	4.10	3.00
CF	20210803 Clou	dy Moderate	Mid-Ebb	Surface	1.00	10:29:00 AM	8.40	7.90	29.90	27.60	3.90	4.00
CF	20210803 Clou	dy Moderate	Mid-Ebb	Middle	10.80	10:28:00 AM	8.50	8.00	29.90	27.50	3.80	4.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
CF	20210803	Cloudy	Moderate	Mid-Ebb	Middle	10.80	10:28:00 AM	8.30	7.90	29.90	27.50	3.40	6.00
CF	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	20.60	10:27:00 AM	8.40	8.00	29.90	27.50	3.00	5.00
CF	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	20.60	10:27:00 AM	8.30	8.00	29.90	27.60	3.20	4.00
CF	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:13:00 AM	7.89	8.01	30.23	27.81	3.62	3.00
CF	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:13:00 AM	7.68	8.03	30.10	27.88	3.82	3.00
CF	20210805	Cloudy	Moderate	Mid-Ebb	Middle	10.20	11:12:00 AM	7.93	8.01	30.02	27.88	4.24	7.00
CF	20210805	Cloudy	Moderate	Mid-Ebb	Middle	10.20	11:12:00 AM	8.15	8.07	30.05	27.81	3.78	7.00
CF	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	19.40	11:11:00 AM	7.70	8.10	29.87	27.85	3.57	3.00
CF	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	19.40	11:11:00 AM	7.90	7.99	30.15	27.95	3.47	4.00
CF	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:26:00 PM	9.63	8.09	30.82	28.98	4.18	4.00
CF	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:26:00 PM	8.90	8.12	30.56	29.08	4.23	7.00
CF	20210807	Cloudy	Moderate	Mid-Ebb	Middle	9.75	12:25:00 PM	9.60	8.11	30.54	29.08	3.91	5.00
CF	20210807	Cloudy	Moderate	Mid-Ebb	Middle	9.75	12:25:00 PM	9.49	8.10	30.47	29.09	3.88	6.00
CF	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	18.50	12:24:00 PM	9.02	8.12	30.53	29.08	3.08	5.00
CF	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	18.50	12:24:00 PM	9.48	8.13	30.56	28.99	3.42	5.00
CF	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	2:14:00 PM	8.20	8.17	30.04	28.63	3.68	3.00
CF	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	2:14:00 PM	8.45	8.18	30.24	28.74	4.12	3.00
CF	20210810	Cloudy	Moderate	Mid-Ebb	Middle	10.00	2:13:00 PM	8.25	8.05	30.27	28.71	4.16	3.00
CF	20210810	Cloudy	Moderate	Mid-Ebb	Middle	10.00	2:13:00 PM	8.53	8.07	30.04	28.58	3.89	2.50
CF	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	19.00	2:12:00 PM	8.53	8.00	30.20	28.59	3.58	2.50
CF	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	19.00	2:12:00 PM	8.09	8.04	30.32	28.64	3.07	2.50
CF	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:17:00 PM	8.14	8.00	30.34	29.34	3.76	2.50
CF	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:17:00 PM	8.15	8.10	30.16	29.17	4.25	4.00
CF	20210812	Sunny	Moderate	Mid-Ebb	Middle	9.85	3:16:00 PM	8.25	8.06	30.15	29.25	3.56	7.00
CF	20210812	Sunny	Moderate	Mid-Ebb	Middle	9.85	3:16:00 PM	8.22	8.03	30.32	29.31	3.41	4.00
CF	20210812	Sunny	Moderate	Mid-Ebb	Bottom	18.70	3:15:00 PM	8.40	8.09	30.30	29.23	3.00	3.00
CF	20210812	Sunny	Moderate	Mid-Ebb	Bottom	18.70	3:15:00 PM	8.36	8.10	30.20	29.34	3.33	4.00

Location	Date We (YYYYMMDD)	aathar	ea dition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
CF	20210814 Sun	ny Mod	erate Mic	l-Ebb S	Surface	1.00	5:27:00 PM	7.89	8.22	29.93	28.34	3.10	10.00
CF	20210814 Sun	ny Mod	erate Mic	l-Ebb S	Surface	1.00	5:27:00 PM	7.56	8.26	30.16	28.21	3.22	10.00
CF	20210814 Sun	ny Mod	erate Mic	l-Ebb l	Middle	10.00	5:26:00 PM	7.78	8.11	30.03	28.11	2.84	6.00
CF	20210814 Sun	ny Mod	erate Mic	l-Ebb l	Middle	10.00	5:26:00 PM	7.96	8.20	30.03	28.18	3.07	6.00
CF	20210814 Sun	ny Mod	erate Mic	l-Ebb E	Bottom	19.00	5:25:00 PM	7.19	8.30	30.03	28.13	3.45	4.00
CF	20210814 Sun	ny Mod	erate Mic	l-Ebb E	Bottom	19.00	5:25:00 PM	7.82	8.29	30.17	28.27	3.22	2.50
CF	20210817 Sun	ny Mod	erate Mic	l-Ebb S	Surface	1.00	10:27:00 AM	8.08	8.09	30.13	28.54	3.06	8.00
CF	20210817 Sun	ny Mod	erate Mic	l-Ebb S	Surface	1.00	10:27:00 AM	8.07	8.17	30.32	28.65	2.85	6.00
CF	20210817 Sun	ny Mod	erate Mic	l-Ebb l	Middle	10.55	10:26:00 AM	8.08	8.09	30.14	28.59	3.11	4.00
CF	20210817 Sun	ny Mod	erate Mic	l-Ebb l	Middle	10.55	10:26:00 AM	7.84	8.21	30.25	28.54	2.94	7.00
CF	20210817 Sun	ny Mod	erate Mic	l-Ebb E	Bottom	20.10	10:25:00 AM	8.40	8.21	30.28	28.69	3.18	8.00
CF	20210817 Sun	ny Mod	erate Mic	l-Ebb E	Bottom	20.10	10:25:00 AM	8.04	8.11	30.19	28.63	3.23	5.00
CF	20210819 Clo	udy Mod	erate Mic	l-Ebb S	Surface	1.00	10:46:00 AM	8.70	8.14	30.45	28.53	3.00	6.00
CF	20210819 Clo	udy Mod	erate Mic	l-Ebb S	Surface	1.00	10:46:00 AM	8.66	8.21	30.49	28.55	3.14	4.00
CF	20210819 Clo	udy Mod	erate Mic	l-Ebb l	Middle	10.30	10:45:00 AM	9.00	8.14	30.54	28.68	3.22	9.00
CF	20210819 Clo	udy Mod	erate Mic	l-Ebb l	Middle	10.30	10:45:00 AM	8.43	8.16	30.20	28.67	2.80	9.00
CF	20210819 Clo	udy Mod	erate Mic	l-Ebb E	Bottom	19.60	10:44:00 AM	9.08	8.23	30.36	28.79	2.77	9.00
CF	20210819 Clo	udy Mod	erate Mic	l-Ebb E	Bottom	19.60	10:44:00 AM	8.62	8.31	30.40	28.80	3.02	9.00
CF	20210821 Sun	ny Mod	erate Mic	l-Ebb S	Surface	1.00	12:03:00 PM	8.00	8.40	30.00	30.00	4.40	9.00
CF	20210821 Sun	ny Mod	erate Mic	l-Ebb S	Surface	1.00	12:03:00 PM	7.90	8.30	30.20	30.10	4.30	9.00
CF	20210821 Sun	ny Mod	erate Mic	l-Ebb l	Middle	10.50	12:02:00 PM	7.90	8.40	30.20	30.00	4.00	10.00
CF	20210821 Sun	ny Mod	erate Mic	l-Ebb l	Middle	10.50	12:02:00 PM	7.70	8.30	30.30	30.10	3.80	10.00
CF	20210821 Sun	ny Mod	erate Mic	l-Ebb E	Bottom	19.90	12:01:00 PM	7.50	8.40	30.20	30.10	4.00	9.00
CF	20210821 Sun	ny Mod	erate Mic	l-Ebb E	Bottom	19.90	12:01:00 PM	7.80	8.30	29.90	30.00	3.70	9.00
CF	20210824 Sun	ny Mod	erate Mic	l-Ebb S	Surface	1.00	2:27:00 PM	8.30	8.30	30.50	29.10	3.70	4.00
CF	20210824 Sun	ny Mod	erate Mic	l-Ebb S	Surface	1.00	2:27:00 PM	8.60	8.30	30.80	29.10	4.20	6.00
CF	20210824 Sun	ny Mod	erate Mic	l-Ebb l	Middle	10.80	2:26:00 PM	8.30	8.20	30.90	29.10	3.90	8.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
CF	20210824 9	Sunny	Moderate	Mid-Ebb	Middle	10.80	2:26:00 PM	8.50	8.20	30.50	29.00	4.20	8.00
CF	20210824 3	Sunny	Moderate	Mid-Ebb	Bottom	20.60	2:25:00 PM	8.50	8.20	30.40	29.00	3.30	3.00
CF	20210824 9	Sunny	Moderate	Mid-Ebb	Bottom	20.60	2:25:00 PM	8.30	8.20	30.80	29.10	3.40	4.00
CF	20210826 \$	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:28:00 PM	7.97	8.39	29.39	29.03	4.81	5.00
CF	20210826 \$	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:28:00 PM	8.36	8.44	29.26	29.02	4.90	6.00
CF	20210826 \$	Sunny	Moderate	Mid-Ebb	Middle	10.35	3:27:00 PM	8.30	8.35	29.33	28.97	4.91	9.00
CF	20210826 \$	Sunny	Moderate	Mid-Ebb	Middle	10.35	3:27:00 PM	8.35	8.33	29.39	29.17	4.35	9.00
CF	20210826 \$	Sunny	Moderate	Mid-Ebb	Bottom	19.70	3:26:00 PM	8.32	8.46	29.39	29.14	4.08	9.00
CF	20210826 \$	Sunny	Moderate	Mid-Ebb	Bottom	19.70	3:26:00 PM	8.01	8.44	29.33	29.01	4.12	9.00
CF	20210828 \$	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:35:00 PM	8.49	8.30	28.75	28.41	4.79	2.50
CF	20210828 \$	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:35:00 PM	8.52	8.26	28.83	28.39	4.77	2.50
CF	20210828 \$	Sunny	Moderate	Mid-Ebb	Middle	9.80	4:34:00 PM	8.55	8.28	28.60	28.41	4.58	7.00
CF	20210828 \$	Sunny	Moderate	Mid-Ebb	Middle	9.80	4:34:00 PM	8.47	8.32	28.54	28.43	5.00	7.00
CF	20210828 \$	Sunny	Moderate	Mid-Ebb	Bottom	18.60	4:33:00 PM	8.28	8.34	28.81	28.55	4.54	7.00
CF	20210828 \$	Sunny	Moderate	Mid-Ebb	Bottom	18.60	4:33:00 PM	8.48	8.34	28.77	28.37	3.99	7.00
CF	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:38:00 AM	9.37	8.25	29.87	29.18	4.23	6.00
CF	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:38:00 AM	9.40	8.21	30.05	29.30	4.33	8.00
CF	20210831	Cloudy	Moderate	Mid-Ebb	Middle	9.90	10:37:00 AM	8.94	8.25	29.96	29.32	3.37	5.00
CF	20210831	Cloudy	Moderate	Mid-Ebb	Middle	9.90	10:37:00 AM	9.19	8.28	29.93	29.35	4.02	5.00
CF	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	18.80	10:36:00 AM	9.29	8.16	30.04	29.46	3.61	6.00
CF	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	18.80	10:36:00 AM	9.71	8.17	30.01	29.20	3.07	7.00
WSR01	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:07:00 AM	7.90	7.90	29.40	27.60	2.20	2.50
WSR01	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:07:00 AM	8.30	7.90	29.30	27.60	2.50	4.00
WSR01	20210803	Cloudy	Moderate	Mid-Ebb	Middle	4.30	10:06:00 AM	7.80	7.90	29.50	27.60	1.90	6.00
WSR01	20210803	Cloudy	Moderate	Mid-Ebb	Middle	4.30	10:06:00 AM	8.10	7.80	29.40	27.50	1.80	4.00
WSR01	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	7.50	10:05:00 AM	8.20	7.80	29.50	27.60	1.60	11.00
WSR01	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	7.50	10:05:00 AM	8.00	7.90	29.30	27.70	1.90	11.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR01	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:50:00 AM	7.52	7.99	30.05	27.99	2.63	3.00
WSR01	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:50:00 AM	7.92	7.89	30.09	27.91	2.56	3.00
WSR01	20210805	Cloudy	Moderate	Mid-Ebb	Middle	4.20	10:49:00 AM	7.51	7.96	29.97	27.84	2.57	7.00
WSR01	20210805	Cloudy	Moderate	Mid-Ebb	Middle	4.20	10:49:00 AM	8.05	7.89	29.94	27.84	2.82	7.00
WSR01	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	7.40	10:48:00 AM	7.89	7.99	29.92	27.88	2.06	5.00
WSR01	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	7.40	10:48:00 AM	7.85	7.89	30.02	27.89	1.99	5.00
WSR01	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:02:00 PM	9.27	8.05	31.15	28.96	2.47	4.00
WSR01	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:02:00 PM	9.47	8.05	31.26	28.95	2.52	4.00
WSR01	20210807	Cloudy	Moderate	Mid-Ebb	Middle	4.25	12:01:00 PM	8.94	8.04	31.34	28.93	2.30	5.00
WSR01	20210807	Cloudy	Moderate	Mid-Ebb	Middle	4.25	12:01:00 PM	9.63	8.09	31.28	29.00	2.68	5.00
WSR01	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	7.50	12:00:00 PM	9.47	8.10	31.28	28.99	2.44	7.00
WSR01	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	7.50	12:00:00 PM	9.40	8.11	31.16	28.98	2.16	6.00
WSR01	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	1:53:00 PM	7.61	7.97	29.69	28.78	2.81	2.50
WSR01	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	1:53:00 PM	7.73	8.00	29.67	28.76	2.84	2.50
WSR01	20210810	Cloudy	Moderate	Mid-Ebb	Middle	4.35	1:52:00 PM	7.57	8.12	29.74	28.68	2.22	2.50
WSR01	20210810	Cloudy	Moderate	Mid-Ebb	Middle	4.35	1:52:00 PM	7.68	7.96	29.52	28.60	2.33	2.50
WSR01	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	7.70	1:51:00 PM	7.97	8.13	29.64	28.73	2.32	7.00
WSR01	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	7.70	1:51:00 PM	7.60	7.97	29.50	28.71	2.75	7.00
WSR01	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:54:00 PM	8.80	8.26	31.17	29.59	2.72	9.00
WSR01	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:54:00 PM	8.75	8.27	31.36	29.59	2.50	9.00
WSR01	20210812	Sunny	Moderate	Mid-Ebb	Middle	4.50	2:53:00 PM	8.84	8.27	31.45	29.46	2.55	4.00
WSR01	20210812	Sunny	Moderate	Mid-Ebb	Middle	4.50	2:53:00 PM	8.50	8.26	31.18	29.49	2.97	5.00
WSR01	20210812	Sunny	Moderate	Mid-Ebb	Bottom	8.00	2:52:00 PM	8.50	8.24	31.40	29.60	2.80	6.00
WSR01	20210812	Sunny	Moderate	Mid-Ebb	Bottom	8.00	2:52:00 PM	8.51	8.16	31.39	29.61	3.31	6.00
WSR01	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	5:04:00 PM	8.22	8.42	30.25	28.22	2.10	3.00
WSR01	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	5:04:00 PM	8.72	8.35	30.50	28.18	2.01	2.50
WSR01	20210814	Sunny	Moderate	Mid-Ebb	Middle	4.45	5:03:00 PM	8.29	8.30	30.34	28.29	2.63	2.50

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR01	20210814	Sunny	Moderate	Mid-Ebb	Middle	4.45	5:03:00 PM	8.02	8.25	30.56	28.23	2.78	2.50
WSR01	20210814	Sunny	Moderate	Mid-Ebb	Bottom	7.90	5:02:00 PM	8.18	8.20	30.26	28.30	1.99	3.00
WSR01	20210814	Sunny	Moderate	Mid-Ebb	Bottom	7.90	5:02:00 PM	8.63	8.28	30.40	28.33	2.16	2.50
WSR01	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:04:00 AM	8.50	8.35	30.80	28.96	2.18	7.00
WSR01	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:04:00 AM	8.59	8.31	30.82	28.88	1.87	5.00
WSR01	20210817	Sunny	Moderate	Mid-Ebb	Middle	4.75	10:03:00 AM	8.66	8.38	30.86	28.94	1.77	4.00
WSR01	20210817	Sunny	Moderate	Mid-Ebb	Middle	4.75	10:03:00 AM	8.76	8.30	30.83	28.96	2.11	7.00
WSR01	20210817	Sunny	Moderate	Mid-Ebb	Bottom	8.50	10:02:00 AM	8.55	8.31	30.97	28.85	2.11	8.00
WSR01	20210817	Sunny	Moderate	Mid-Ebb	Bottom	8.50	10:02:00 AM	8.23	8.33	30.87	28.84	2.03	6.00
WSR01	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:23:00 AM	9.25	8.04	30.83	28.46	2.87	6.00
WSR01	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:23:00 AM	8.92	8.00	30.78	28.37	2.55	5.00
WSR01	20210819	Cloudy	Moderate	Mid-Ebb	Middle	4.70	10:22:00 AM	8.84	8.16	30.60	28.66	2.78	7.00
WSR01	20210819	Cloudy	Moderate	Mid-Ebb	Middle	4.70	10:22:00 AM	9.36	8.06	30.67	28.54	2.64	4.00
WSR01	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	8.40	10:21:00 AM	8.94	8.19	30.78	28.37	2.34	3.00
WSR01	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	8.40	10:21:00 AM	9.26	8.08	30.79	28.51	2.56	4.00
WSR01	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	11:42:00 AM	8.00	8.40	30.40	29.60	3.10	3.00
WSR01	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	11:42:00 AM	7.80	8.30	30.30	29.70	3.00	5.00
WSR01	20210821	Sunny	Moderate	Mid-Ebb	Middle	4.60	11:41:00 AM	7.60	8.30	30.40	29.60	2.30	9.00
WSR01	20210821	Sunny	Moderate	Mid-Ebb	Middle	4.60	11:41:00 AM	7.40	8.40	30.00	29.60	2.50	9.00
WSR01	20210821	Sunny	Moderate	Mid-Ebb	Bottom	8.20	11:40:00 AM	7.90	8.40	30.10	29.70	2.10	4.00
WSR01	20210821	Sunny	Moderate	Mid-Ebb	Bottom	8.20	11:40:00 AM	7.40	8.40	30.40	29.60	2.20	6.00
WSR01	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:05:00 PM	8.30	8.20	30.50	29.30	2.30	4.00
WSR01	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:05:00 PM	8.20	8.20	30.20	29.30	2.40	6.00
WSR01	20210824	Sunny	Moderate	Mid-Ebb	Middle	4.70	2:04:00 PM	7.90	8.20	30.20	29.30	1.90	4.00
WSR01	20210824	Sunny	Moderate	Mid-Ebb	Middle	4.70	2:04:00 PM	8.30	8.20	30.20	29.30	2.30	4.00
WSR01	20210824	Sunny	Moderate	Mid-Ebb	Bottom	8.30	2:03:00 PM	8.10	8.30	30.40	29.30	2.00	5.00
WSR01	20210824	Sunny	Moderate	Mid-Ebb	Bottom	8.30	2:03:00 PM	7.90	8.20	30.40	29.30	2.10	4.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR01	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:04:00 PM	8.02	8.16	29.66	28.30	2.47	10.00
WSR01	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:04:00 PM	7.69	8.23	29.87	28.43	2.37	10.00
WSR01	20210826	Sunny	Moderate	Mid-Ebb	Middle	4.40	3:03:00 PM	7.57	8.14	29.58	28.29	2.39	10.00
WSR01	20210826	Sunny	Moderate	Mid-Ebb	Middle	4.40	3:03:00 PM	8.01	8.19	29.83	28.36	2.47	9.00
WSR01	20210826	Sunny	Moderate	Mid-Ebb	Bottom	7.80	3:02:00 PM	8.03	8.11	29.88	28.45	1.53	9.00
WSR01	20210826	Sunny	Moderate	Mid-Ebb	Bottom	7.80	3:02:00 PM	7.70	8.17	29.78	28.48	1.82	10.00
WSR01	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:11:00 PM	8.60	8.36	29.15	28.36	2.69	9.00
WSR01	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:11:00 PM	8.42	8.38	29.30	28.39	3.09	9.00
WSR01	20210828	Sunny	Moderate	Mid-Ebb	Middle	4.75	4:10:00 PM	8.29	8.30	29.34	28.50	2.48	2.50
WSR01	20210828	Sunny	Moderate	Mid-Ebb	Middle	4.75	4:10:00 PM	8.49	8.34	29.15	28.53	2.58	2.50
WSR01	20210828	Sunny	Moderate	Mid-Ebb	Bottom	8.50	4:09:00 PM	8.46	8.35	29.29	28.45	2.45	6.00
WSR01	20210828	Sunny	Moderate	Mid-Ebb	Bottom	8.50	4:09:00 PM	8.59	8.31	29.23	28.58	2.27	6.00
WSR01	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:15:00 AM	9.36	8.10	30.27	29.07	2.50	7.00
WSR01	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:15:00 AM	9.50	8.22	30.33	28.91	2.72	5.00
WSR01	20210831	Cloudy	Moderate	Mid-Ebb	Middle	4.70	10:14:00 AM	9.32	8.15	30.21	29.27	1.66	6.00
WSR01	20210831	Cloudy	Moderate	Mid-Ebb	Middle	4.70	10:14:00 AM	9.34	8.14	30.12	28.99	1.99	5.00
WSR01	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	8.40	10:13:00 AM	9.29	8.23	30.24	29.16	1.52	5.00
WSR01	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	8.40	10:13:00 AM	9.13	8.14	30.08	29.12	1.42	4.00
WSR02	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:50:00 AM	8.00	7.90	29.30	27.60	2.10	7.00
WSR02	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:50:00 AM	8.10	7.80	29.40	27.50	2.50	7.00
WSR02	20210803	Cloudy	Moderate	Mid-Ebb	Middle	4.50	9:49:00 AM	7.60	7.90	29.30	27.50	2.40	2.50
WSR02	20210803	Cloudy	Moderate	Mid-Ebb	Middle	4.50	9:49:00 AM	8.10	7.90	29.30	27.50	2.40	2.50
WSR02	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	8.00	9:48:00 AM	7.90	7.90	29.50	27.60	1.80	2.50
WSR02	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	8.00	9:48:00 AM	7.60	7.80	29.30	27.60	2.10	4.00
WSR02	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:32:00 AM	7.52	8.00	29.99	27.96	2.44	5.00
WSR02	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:32:00 AM	7.64	7.93	30.09	27.91	2.76	4.00
WSR02	20210805	Cloudy	Moderate	Mid-Ebb	Middle	4.65	10:31:00 AM	7.72	7.96	29.89	27.97	2.92	2.50

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR02	20210805	Cloudy	Moderate	Mid-Ebb	Middle	4.65	10:31:00 AM	8.05	7.88	30.05	27.94	2.80	3.00
WSR02	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	8.30	10:30:00 AM	7.88	7.89	29.70	27.82	2.24	14.00
WSR02	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	8.30	10:30:00 AM	8.02	7.89	30.10	27.86	2.17	14.00
WSR02	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:44:00 AM	8.56	7.98	30.60	29.06	1.57	8.00
WSR02	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:44:00 AM	8.89	8.07	30.61	29.12	1.69	11.00
WSR02	20210807	Cloudy	Moderate	Mid-Ebb	Middle	4.90	11:43:00 AM	8.55	8.04	30.48	29.06	1.77	3.00
WSR02	20210807	Cloudy	Moderate	Mid-Ebb	Middle	4.90	11:43:00 AM	8.58	8.05	30.45	29.12	2.03	3.00
WSR02	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	8.80	11:42:00 AM	9.06	8.05	30.46	29.13	2.19	4.00
WSR02	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	8.80	11:42:00 AM	8.77	7.98	30.32	28.99	1.88	7.00
WSR02	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	1:37:00 PM	8.34	8.10	30.41	28.94	3.21	7.00
WSR02	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	1:37:00 PM	8.26	8.09	30.29	29.01	3.04	7.00
WSR02	20210810	Cloudy	Moderate	Mid-Ebb	Middle	4.55	1:36:00 PM	8.60	8.16	30.24	28.95	2.64	3.00
WSR02	20210810	Cloudy	Moderate	Mid-Ebb	Middle	4.55	1:36:00 PM	8.68	8.15	30.27	29.08	3.10	2.50
WSR02	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	8.10	1:35:00 PM	8.25	8.30	30.32	29.03	2.68	2.50
WSR02	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	8.10	1:35:00 PM	8.24	8.25	30.41	28.96	2.32	2.50
WSR02	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:35:00 PM	8.54	8.23	31.38	29.65	3.03	9.00
WSR02	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:35:00 PM	8.49	8.20	31.30	29.58	2.59	9.00
WSR02	20210812	Sunny	Moderate	Mid-Ebb	Middle	4.65	2:34:00 PM	8.36	8.19	31.18	29.57	2.72	2.50
WSR02	20210812	Sunny	Moderate	Mid-Ebb	Middle	4.65	2:34:00 PM	8.37	8.20	31.06	29.65	2.91	3.00
WSR02	20210812	Sunny	Moderate	Mid-Ebb	Bottom	8.30	2:33:00 PM	8.62	8.22	31.26	29.55	2.73	4.00
WSR02	20210812	Sunny	Moderate	Mid-Ebb	Bottom	8.30	2:33:00 PM	8.58	8.25	31.27	29.67	2.72	2.50
WSR02	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:45:00 PM	7.52	8.28	29.65	27.93	2.82	3.00
WSR02	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:45:00 PM	8.13	8.39	29.80	27.70	2.81	3.00
WSR02	20210814	Sunny	Moderate	Mid-Ebb	Middle	4.90	4:44:00 PM	8.27	8.21	29.86	27.88	1.92	6.00
WSR02	20210814	Sunny	Moderate	Mid-Ebb	Middle	4.90	4:44:00 PM	8.34	8.21	29.58	27.92	2.26	6.00
WSR02	20210814	Sunny	Moderate	Mid-Ebb	Bottom	8.80	4:43:00 PM	7.97	8.35	29.64	27.86	2.94	2.50
WSR02	20210814	Sunny	Moderate	Mid-Ebb	Bottom	8.80	4:43:00 PM	8.18	8.24	29.65	27.79	2.92	2.50

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR02	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	9:46:00 AM	9.21	8.19	31.23	28.73	1.94	9.00
WSR02	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	9:46:00 AM	9.26	8.31	31.22	28.56	2.31	8.00
WSR02	20210817	Sunny	Moderate	Mid-Ebb	Middle	4.85	9:45:00 AM	9.14	8.35	31.22	28.60	2.60	9.00
WSR02	20210817	Sunny	Moderate	Mid-Ebb	Middle	4.85	9:45:00 AM	8.73	8.31	30.99	28.59	2.86	8.00
WSR02	20210817	Sunny	Moderate	Mid-Ebb	Bottom	8.70	9:44:00 AM	8.77	8.24	31.23	28.62	2.41	4.00
WSR02	20210817	Sunny	Moderate	Mid-Ebb	Bottom	8.70	9:44:00 AM	9.08	8.31	30.96	28.52	2.02	6.00
WSR02	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:05:00 AM	8.45	8.12	31.13	28.97	2.83	10.00
WSR02	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:05:00 AM	8.08	8.08	31.39	28.79	2.49	10.00
WSR02	20210819	Cloudy	Moderate	Mid-Ebb	Middle	4.65	10:04:00 AM	8.18	8.16	31.16	28.96	2.52	5.00
WSR02	20210819	Cloudy	Moderate	Mid-Ebb	Middle	4.65	10:04:00 AM	8.40	8.10	31.41	29.02	2.31	6.00
WSR02	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	8.30	10:03:00 AM	8.13	8.18	31.14	28.80	2.01	7.00
WSR02	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	8.30	10:03:00 AM	7.95	8.06	31.40	28.98	2.24	7.00
WSR02	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	11:26:00 AM	8.10	8.30	30.50	29.80	2.90	7.00
WSR02	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	11:26:00 AM	7.80	8.20	30.40	29.80	2.60	5.00
WSR02	20210821	Sunny	Moderate	Mid-Ebb	Middle	4.80	11:25:00 AM	7.90	8.00	30.30	29.90	3.10	6.00
WSR02	20210821	Sunny	Moderate	Mid-Ebb	Middle	4.80	11:25:00 AM	8.50	8.10	30.10	29.90	2.70	9.00
WSR02	20210821	Sunny	Moderate	Mid-Ebb	Bottom	8.60	11:24:00 AM	8.00	8.20	30.40	29.80	2.60	7.00
WSR02	20210821	Sunny	Moderate	Mid-Ebb	Bottom	8.60	11:24:00 AM	8.10	8.00	30.00	29.80	3.10	5.00
WSR02	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:47:00 PM	8.60	8.30	31.30	29.40	2.80	5.00
WSR02	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:47:00 PM	8.80	8.40	31.10	29.30	2.90	4.00
WSR02	20210824	Sunny	Moderate	Mid-Ebb	Middle	4.80	1:46:00 PM	8.50	8.30	31.20	29.40	1.90	5.00
WSR02	20210824	Sunny	Moderate	Mid-Ebb	Middle	4.80	1:46:00 PM	8.50	8.40	30.90	29.30	2.20	6.00
WSR02	20210824	Sunny	Moderate	Mid-Ebb	Bottom	8.60	1:45:00 PM	8.80	8.40	31.20	29.30	1.90	9.00
WSR02	20210824	Sunny	Moderate	Mid-Ebb	Bottom	8.60	1:45:00 PM	8.50	8.40	31.20	29.30	2.20	9.00
WSR02	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:47:00 PM	8.48	8.33	29.56	28.64	2.88	8.00
WSR02	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:47:00 PM	8.43	8.31	29.67	28.74	3.45	8.00
WSR02	20210826	Sunny	Moderate	Mid-Ebb	Middle	4.85	2:46:00 PM	8.55	8.38	29.54	28.77	3.01	11.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR02	20210826	Sunny	Moderate	Mid-Ebb	Middle	4.85	2:46:00 PM	8.40	8.38	29.71	28.88	2.60	11.00
WSR02	20210826	Sunny	Moderate	Mid-Ebb	Bottom	8.70	2:45:00 PM	8.40	8.28	29.58	28.62	2.96	12.00
WSR02	20210826	Sunny	Moderate	Mid-Ebb	Bottom	8.70	2:45:00 PM	8.23	8.39	29.55	28.78	2.49	9.00
WSR02	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:52:00 PM	8.73	8.24	29.29	28.61	2.83	3.00
WSR02	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:52:00 PM	8.63	8.18	29.23	28.56	3.07	2.50
WSR02	20210828	Sunny	Moderate	Mid-Ebb	Middle	4.65	3:51:00 PM	8.56	8.27	29.33	28.58	2.69	2.50
WSR02	20210828	Sunny	Moderate	Mid-Ebb	Middle	4.65	3:51:00 PM	8.74	8.18	29.45	28.53	2.83	2.50
WSR02	20210828	Sunny	Moderate	Mid-Ebb	Bottom	8.30	3:50:00 PM	8.54	8.22	29.16	28.51	1.84	8.00
WSR02	20210828	Sunny	Moderate	Mid-Ebb	Bottom	8.30	3:50:00 PM	8.70	8.18	29.15	28.53	2.19	8.00
WSR02	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:56:00 AM	8.29	8.02	30.53	29.40	2.41	6.00
WSR02	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:56:00 AM	8.08	8.02	30.47	29.26	2.65	6.00
WSR02	20210831	Cloudy	Moderate	Mid-Ebb	Middle	4.85	9:55:00 AM	8.44	8.15	30.57	29.30	3.19	6.00
WSR02	20210831	Cloudy	Moderate	Mid-Ebb	Middle	4.85	9:55:00 AM	8.72	8.06	30.60	29.14	2.84	8.00
WSR02	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	8.70	9:54:00 AM	8.16	8.13	30.42	29.15	2.23	9.00
WSR02	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	8.70	9:54:00 AM	8.04	8.01	30.63	29.27	2.34	9.00
WSR03	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:36:00 AM	7.60	7.90	29.60	27.40	2.90	3.00
WSR03	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:36:00 AM	7.60	7.90	29.60	27.50	2.50	2.50
WSR03	20210803	Cloudy	Moderate	Mid-Ebb	Middle	3.80	9:35:00 AM	7.70	7.90	29.60	27.50	2.00	18.00
WSR03	20210803	Cloudy	Moderate	Mid-Ebb	Middle	3.80	9:35:00 AM	8.00	7.90	29.40	27.60	1.90	18.00
WSR03	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	6.50	9:34:00 AM	8.10	8.00	29.50	27.40	1.80	7.00
WSR03	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	6.50	9:34:00 AM	8.10	7.90	29.70	27.40	2.20	7.00
WSR03	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:17:00 AM	8.37	7.90	29.53	27.88	2.15	5.00
WSR03	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:17:00 AM	8.47	7.83	29.58	27.67	2.55	4.00
WSR03	20210805	Cloudy	Moderate	Mid-Ebb	Middle	3.70	10:16:00 AM	8.16	7.94	29.54	27.67	2.40	17.00
WSR03	20210805	Cloudy	Moderate	Mid-Ebb	Middle	3.70	10:16:00 AM	8.19	7.84	29.71	27.90	2.20	17.00
WSR03	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	6.40	10:15:00 AM	8.30	7.95	29.68	27.70	2.17	4.00
WSR03	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	6.40	10:15:00 AM	8.45	7.96	29.50	27.72	2.59	3.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR03	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:30:00 AM	8.89	8.21	30.76	29.07	2.64	10.00
WSR03	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:30:00 AM	8.87	8.26	31.08	28.93	2.56	10.00
WSR03	20210807	Cloudy	Moderate	Mid-Ebb	Middle	3.70	11:29:00 AM	9.42	8.25	31.04	28.95	2.64	4.00
WSR03	20210807	Cloudy	Moderate	Mid-Ebb	Middle	3.70	11:29:00 AM	8.86	8.23	30.77	28.95	2.21	4.00
WSR03	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	6.40	11:28:00 AM	8.79	8.17	31.02	29.04	2.04	4.00
WSR03	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	6.40	11:28:00 AM	8.74	8.16	31.06	28.93	2.23	4.00
WSR03	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	1:23:00 PM	8.16	7.93	29.43	29.16	2.60	2.50
WSR03	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	1:23:00 PM	8.41	8.06	29.58	29.13	2.89	2.50
WSR03	20210810	Cloudy	Moderate	Mid-Ebb	Middle	3.85	1:22:00 PM	8.17	8.07	29.58	29.22	2.63	2.50
WSR03	20210810	Cloudy	Moderate	Mid-Ebb	Middle	3.85	1:22:00 PM	8.17	7.93	29.44	29.25	2.42	3.00
WSR03	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	6.70	1:21:00 PM	8.21	8.15	29.57	29.24	2.43	11.00
WSR03	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	6.70	1:21:00 PM	8.57	8.14	29.63	29.25	2.64	11.00
WSR03	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:20:00 PM	8.86	7.97	31.34	29.55	3.10	3.00
WSR03	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:20:00 PM	8.84	8.07	31.37	29.61	2.86	5.00
WSR03	20210812	Sunny	Moderate	Mid-Ebb	Middle	3.75	2:19:00 PM	8.67	8.05	31.14	29.59	2.76	8.00
WSR03	20210812	Sunny	Moderate	Mid-Ebb	Middle	3.75	2:19:00 PM	8.77	7.99	31.21	29.55	2.76	6.00
WSR03	20210812	Sunny	Moderate	Mid-Ebb	Bottom	6.50	2:18:00 PM	8.87	8.04	31.28	29.50	2.03	4.00
WSR03	20210812	Sunny	Moderate	Mid-Ebb	Bottom	6.50	2:18:00 PM	8.88	8.07	31.39	29.53	2.39	5.00
WSR03	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:29:00 PM	7.71	8.23	30.27	27.71	2.41	4.00
WSR03	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:29:00 PM	7.83	8.24	30.15	27.80	2.80	3.00
WSR03	20210814	Sunny	Moderate	Mid-Ebb	Middle	3.80	4:28:00 PM	7.58	8.17	30.19	27.72	2.59	9.00
WSR03	20210814	Sunny	Moderate	Mid-Ebb	Middle	3.80	4:28:00 PM	7.21	8.20	30.06	27.84	2.28	9.00
WSR03	20210814	Sunny	Moderate	Mid-Ebb	Bottom	6.60	4:27:00 PM	7.14	8.21	30.11	27.73	2.54	3.00
WSR03	20210814	Sunny	Moderate	Mid-Ebb	Bottom	6.60	4:27:00 PM	7.66	8.20	30.17	27.75	2.46	3.00
WSR03	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	9:32:00 AM	8.78	8.11	30.64	28.46	2.95	5.00
WSR03	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	9:32:00 AM	9.09	8.21	30.66	28.36	2.80	5.00
WSR03	20210817	Sunny	Moderate	Mid-Ebb	Middle	4.20	9:31:00 AM	8.61	8.18	30.53	28.41	2.20	9.00

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

Contract No. 13/WSD/17

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR03	20210817	Sunny	Moderate	Mid-Ebb	Middle	4.20	9:31:00 AM	8.52	8.19	30.76	28.43	2.09	10.00
WSR03	20210817	Sunny	Moderate	Mid-Ebb	Bottom	7.40	9:30:00 AM	8.84	8.23	30.54	28.41	2.27	8.00
WSR03	20210817	Sunny	Moderate	Mid-Ebb	Bottom	7.40	9:30:00 AM	9.14	8.07	30.67	28.46	2.28	5.00
WSR03	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:50:00 AM	8.81	8.14	31.30	28.92	2.39	4.00
WSR03	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:50:00 AM	8.83	8.29	31.05	28.73	2.76	4.00
WSR03	20210819	Cloudy	Moderate	Mid-Ebb	Middle	4.05	9:49:00 AM	9.06	8.20	31.14	28.66	2.62	6.00
WSR03	20210819	Cloudy	Moderate	Mid-Ebb	Middle	4.05	9:49:00 AM	8.53	8.14	31.00	28.66	2.41	6.00
WSR03	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	7.10	9:48:00 AM	9.01	8.20	31.02	28.83	2.33	4.00
WSR03	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	7.10	9:48:00 AM	8.89	8.12	31.16	28.87	2.30	5.00
WSR03	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	11:11:00 AM	8.10	8.20	29.70	29.10	3.30	7.00
WSR03	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	11:11:00 AM	8.40	8.10	29.70	29.20	3.50	7.00
WSR03	20210821	Sunny	Moderate	Mid-Ebb	Middle	4.10	11:10:00 AM	8.10	8.20	29.30	29.20	2.90	5.00
WSR03	20210821	Sunny	Moderate	Mid-Ebb	Middle	4.10	11:10:00 AM	8.10	8.10	29.60	29.10	2.60	4.00
WSR03	20210821	Sunny	Moderate	Mid-Ebb	Bottom	7.10	11:09:00 AM	8.20	8.30	29.60	29.30	2.70	8.00
WSR03	20210821	Sunny	Moderate	Mid-Ebb	Bottom	7.10	11:09:00 AM	8.30	8.30	29.60	29.30	2.90	8.00
WSR03	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:32:00 PM	8.70	8.30	31.30	29.40	3.10	5.00
WSR03	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:32:00 PM	8.70	8.30	31.60	29.30	2.90	5.00
WSR03	20210824	Sunny	Moderate	Mid-Ebb	Middle	4.00	1:31:00 PM	8.90	8.40	31.20	29.40	2.60	3.00
WSR03	20210824	Sunny	Moderate	Mid-Ebb	Middle	4.00	1:31:00 PM	8.80	8.40	31.30	29.30	2.70	5.00
WSR03	20210824	Sunny	Moderate	Mid-Ebb	Bottom	6.90	1:30:00 PM	8.90	8.40	31.50	29.30	2.70	5.00
WSR03	20210824	Sunny	Moderate	Mid-Ebb	Bottom	6.90	1:30:00 PM	9.00	8.40	31.20	29.30	2.90	4.00
WSR03	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:32:00 PM	8.09	8.36	30.03	28.81	2.94	10.00
WSR03	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:32:00 PM	8.08	8.41	29.98	28.72	2.47	7.00
WSR03	20210826	Sunny	Moderate	Mid-Ebb	Middle	3.90	2:31:00 PM	8.30	8.38	29.98	28.78	2.65	13.00
WSR03	20210826	Sunny	Moderate	Mid-Ebb	Middle	3.90	2:31:00 PM	8.50	8.36	30.19	28.89	2.35	13.00
WSR03	20210826	Sunny	Moderate	Mid-Ebb	Bottom	6.80	2:30:00 PM	8.54	8.39	30.11	28.73	2.14	11.00
WSR03	20210826	Sunny	Moderate	Mid-Ebb	Bottom	6.80	2:30:00 PM	8.45	8.35	30.01	28.64	2.45	11.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR03	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:37:00 PM	8.94	8.33	29.02	28.64	3.16	2.50
WSR03	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:37:00 PM	8.80	8.26	28.78	28.48	2.64	2.50
WSR03	20210828	Sunny	Moderate	Mid-Ebb	Middle	4.15	3:36:00 PM	9.03	8.34	28.86	28.67	2.08	9.00
WSR03	20210828	Sunny	Moderate	Mid-Ebb	Middle	4.15	3:36:00 PM	8.91	8.30	29.01	28.53	1.86	8.00
WSR03	20210828	Sunny	Moderate	Mid-Ebb	Bottom	7.30	3:35:00 PM	8.86	8.31	28.86	28.63	1.95	2.50
WSR03	20210828	Sunny	Moderate	Mid-Ebb	Bottom	7.30	3:35:00 PM	8.86	8.34	28.79	28.49	1.85	2.50
WSR03	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:40:00 AM	8.69	8.18	29.96	28.98	3.54	9.00
WSR03	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:40:00 AM	8.29	8.08	29.80	28.94	3.50	9.00
WSR03	20210831	Cloudy	Moderate	Mid-Ebb	Middle	3.85	9:39:00 AM	8.77	8.12	29.88	28.82	2.71	8.00
WSR03	20210831	Cloudy	Moderate	Mid-Ebb	Middle	3.85	9:39:00 AM	8.90	8.11	30.07	29.02	2.41	7.00
WSR03	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	6.70	9:38:00 AM	8.83	8.08	29.93	28.68	2.05	9.00
WSR03	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	6.70	9:38:00 AM	9.00	8.21	29.83	28.70	2.36	8.00
WSR04	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:24:00 AM	8.10	8.00	29.60	27.40	2.30	2.50
WSR04	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:24:00 AM	8.00	7.90	29.50	27.40	2.20	2.50
WSR04	20210803	Cloudy	Moderate	Mid-Ebb	Middle	3.40	9:23:00 AM	8.00	7.90	29.60	27.50	2.70	2.50
WSR04	20210803	Cloudy	Moderate	Mid-Ebb	Middle	3.40	9:23:00 AM	8.20	8.00	29.40	27.40	2.60	2.50
WSR04	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	5.80	9:22:00 AM	8.10	8.00	29.40	27.40	2.10	4.00
WSR04	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	5.80	9:22:00 AM	8.50	7.90	29.70	27.40	2.10	2.50
WSR04	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:05:00 AM	8.54	7.89	29.71	27.69	2.99	6.00
WSR04	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:05:00 AM	8.53	7.88	29.51	27.89	2.65	6.00
WSR04	20210805	Cloudy	Moderate	Mid-Ebb	Middle	3.70	10:04:00 AM	8.52	7.86	29.78	27.76	2.45	9.00
WSR04	20210805	Cloudy	Moderate	Mid-Ebb	Middle	3.70	10:04:00 AM	8.59	7.93	29.56	27.80	2.11	9.00
WSR04	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	6.40	10:03:00 AM	8.51	7.97	29.77	27.92	2.34	4.00
WSR04	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	6.40	10:03:00 AM	8.08	7.95	29.72	27.74	2.12	3.00
WSR04	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:19:00 AM	8.36	8.13	30.82	29.07	1.86	5.00
WSR04	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:19:00 AM	8.71	8.08	30.72	28.99	2.21	7.00
WSR04	20210807	Cloudy	Moderate	Mid-Ebb	Middle	3.40	11:18:00 AM	8.47	8.19	30.86	29.03	1.97	4.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR04	20210807	Cloudy	Moderate	Mid-Ebb	Middle	3.40	11:18:00 AM	8.47	8.09	30.88	29.08	1.83	4.00
WSR04	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	5.80	11:17:00 AM	8.72	8.14	30.62	29.05	2.21	4.00
WSR04	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	5.80	11:17:00 AM	8.06	8.16	30.74	28.97	1.98	5.00
WSR04	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	1:11:00 PM	7.86	8.04	30.18	28.84	2.90	3.00
WSR04	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	1:11:00 PM	8.16	8.10	29.98	28.95	2.49	3.00
WSR04	20210810	Cloudy	Moderate	Mid-Ebb	Middle	3.70	1:10:00 PM	7.92	7.93	29.96	28.97	2.33	2.50
WSR04	20210810	Cloudy	Moderate	Mid-Ebb	Middle	3.70	1:10:00 PM	7.87	7.90	30.03	28.83	2.41	3.00
WSR04	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	6.40	1:09:00 PM	7.84	7.95	30.15	28.97	2.01	3.00
WSR04	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	6.40	1:09:00 PM	8.08	7.93	30.10	29.00	1.83	3.00
WSR04	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:09:00 PM	8.25	7.94	30.28	29.36	3.02	2.50
WSR04	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:09:00 PM	8.27	8.03	30.30	29.28	3.01	4.00
WSR04	20210812	Sunny	Moderate	Mid-Ebb	Middle	3.85	2:08:00 PM	8.44	7.96	30.40	29.37	2.24	2.50
WSR04	20210812	Sunny	Moderate	Mid-Ebb	Middle	3.85	2:08:00 PM	8.48	8.01	30.30	29.35	2.22	4.00
WSR04	20210812	Sunny	Moderate	Mid-Ebb	Bottom	6.70	2:07:00 PM	8.47	8.06	30.14	29.27	2.32	2.50
WSR04	20210812	Sunny	Moderate	Mid-Ebb	Bottom	6.70	2:07:00 PM	8.48	7.97	30.34	29.36	2.07	2.50
WSR04	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:17:00 PM	8.15	8.31	30.20	27.70	3.01	3.00
WSR04	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:17:00 PM	7.74	8.27	30.32	27.87	2.77	4.00
WSR04	20210814	Sunny	Moderate	Mid-Ebb	Middle	3.40	4:16:00 PM	8.73	8.27	30.27	27.67	2.76	3.00
WSR04	20210814	Sunny	Moderate	Mid-Ebb	Middle	3.40	4:16:00 PM	8.62	8.37	30.27	27.67	2.43	4.00
WSR04	20210814	Sunny	Moderate	Mid-Ebb	Bottom	5.80	4:15:00 PM	7.92	8.29	30.09	27.75	2.61	3.00
WSR04	20210814	Sunny	Moderate	Mid-Ebb	Bottom	5.80	4:15:00 PM	8.02	8.44	30.29	27.77	2.44	3.00
WSR04	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	9:20:00 AM	8.82	8.17	30.91	29.03	2.67	5.00
WSR04	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	9:20:00 AM	8.83	8.10	31.12	28.99	3.04	8.00
WSR04	20210817	Sunny	Moderate	Mid-Ebb	Middle	3.50	9:19:00 AM	8.84	8.15	30.98	29.11	2.17	6.00
WSR04	20210817	Sunny	Moderate	Mid-Ebb	Middle	3.50	9:19:00 AM	8.95	8.24	31.07	29.14	2.04	5.00
WSR04	20210817	Sunny	Moderate	Mid-Ebb	Bottom	6.00	9:18:00 AM	8.82	8.10	30.94	28.97	2.36	9.00
WSR04	20210817	Sunny	Moderate	Mid-Ebb	Bottom	6.00	9:18:00 AM	9.20	8.14	31.01	29.17	2.26	9.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR04	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:38:00 AM	8.84	8.15	31.23	28.82	2.66	9.00
WSR04	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:38:00 AM	9.17	8.23	31.46	28.68	2.51	9.00
WSR04	20210819	Cloudy	Moderate	Mid-Ebb	Middle	3.90	9:37:00 AM	9.22	8.05	31.51	28.54	2.60	3.00
WSR04	20210819	Cloudy	Moderate	Mid-Ebb	Middle	3.90	9:37:00 AM	8.96	8.22	31.53	28.73	2.96	4.00
WSR04	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	6.80	9:36:00 AM	8.52	8.20	31.23	28.65	2.73	6.00
WSR04	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	6.80	9:36:00 AM	8.91	8.22	31.53	28.73	2.35	4.00
WSR04	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:59:00 AM	7.80	8.20	29.40	29.70	3.00	8.00
WSR04	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:59:00 AM	7.90	8.20	29.40	29.70	2.60	8.00
WSR04	20210821	Sunny	Moderate	Mid-Ebb	Middle	3.90	10:58:00 AM	7.70	8.30	29.30	29.80	2.30	6.00
WSR04	20210821	Sunny	Moderate	Mid-Ebb	Middle	3.90	10:58:00 AM	8.00	8.10	29.20	29.70	2.40	6.00
WSR04	20210821	Sunny	Moderate	Mid-Ebb	Bottom	6.70	10:57:00 AM	7.60	8.10	29.00	29.80	2.30	8.00
WSR04	20210821	Sunny	Moderate	Mid-Ebb	Bottom	6.70	10:57:00 AM	7.40	8.30	29.10	29.70	2.10	8.00
WSR04	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:19:00 PM	8.00	8.30	30.30	28.70	2.60	3.00
WSR04	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:19:00 PM	8.20	8.40	30.30	28.80	2.30	4.00
WSR04	20210824	Sunny	Moderate	Mid-Ebb	Middle	3.70	1:18:00 PM	8.00	8.40	30.20	28.80	2.60	9.00
WSR04	20210824	Sunny	Moderate	Mid-Ebb	Middle	3.70	1:18:00 PM	7.80	8.40	30.20	28.70	2.40	9.00
WSR04	20210824	Sunny	Moderate	Mid-Ebb	Bottom	6.30	1:17:00 PM	8.20	8.40	30.70	28.80	2.10	4.00
WSR04	20210824	Sunny	Moderate	Mid-Ebb	Bottom	6.30	1:17:00 PM	8.20	8.30	30.50	28.80	2.10	4.00
WSR04	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:20:00 PM	8.66	8.22	29.46	28.48	3.30	9.00
WSR04	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:20:00 PM	8.75	8.32	29.30	28.55	3.67	9.00
WSR04	20210826	Sunny	Moderate	Mid-Ebb	Middle	3.45	2:19:00 PM	8.20	8.33	29.45	28.53	3.00	2.50
WSR04	20210826	Sunny	Moderate	Mid-Ebb	Middle	3.45	2:19:00 PM	8.77	8.23	29.34	28.48	3.50	2.50
WSR04	20210826	Sunny	Moderate	Mid-Ebb	Bottom	5.90	2:18:00 PM	8.74	8.27	29.58	28.41	2.73	12.00
WSR04	20210826	Sunny	Moderate	Mid-Ebb	Bottom	5.90	2:18:00 PM	8.42	8.33	29.63	28.49	2.46	11.00
WSR04	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:22:00 PM	8.09	8.21	28.78	28.90	3.43	2.50
WSR04	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:22:00 PM	8.37	8.22	28.79	28.88	3.53	3.00
WSR04	20210828	Sunny	Moderate	Mid-Ebb	Middle	3.55	3:21:00 PM	8.38	8.21	28.73	28.90	2.95	2.50

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR04	20210828	Sunny	Moderate	Mid-Ebb	Middle	3.55	3:21:00 PM	8.12	8.20	28.83	28.77	3.06	2.50
WSR04	20210828	Sunny	Moderate	Mid-Ebb	Bottom	6.10	3:20:00 PM	8.37	8.23	28.64	28.95	2.58	3.00
WSR04	20210828	Sunny	Moderate	Mid-Ebb	Bottom	6.10	3:20:00 PM	8.11	8.23	28.70	28.80	2.61	4.00
WSR04	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:28:00 AM	9.08	8.31	30.18	28.82	2.35	9.00
WSR04	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:28:00 AM	9.20	8.33	30.10	29.04	2.12	8.00
WSR04	20210831	Cloudy	Moderate	Mid-Ebb	Middle	3.65	9:27:00 AM	9.40	8.30	30.04	28.92	2.12	7.00
WSR04	20210831	Cloudy	Moderate	Mid-Ebb	Middle	3.65	9:27:00 AM	9.09	8.29	30.19	28.91	1.89	8.00
WSR04	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	6.30	9:26:00 AM	9.21	8.25	30.25	28.82	2.33	9.00
WSR04	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	6.30	9:26:00 AM	9.30	8.36	30.22	28.86	2.34	9.00
WSR16	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:25:00 AM	7.80	8.10	30.00	27.20	3.40	7.00
WSR16	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:25:00 AM	7.90	8.10	29.90	27.20	3.30	7.00
WSR16	20210803	Cloudy	Moderate	Mid-Ebb	Middle	8.20	8:24:00 AM	8.00	8.20	29.90	27.20	2.90	8.00
WSR16	20210803	Cloudy	Moderate	Mid-Ebb	Middle	8.20	8:24:00 AM	8.20	8.10	29.90	27.30	3.00	8.00
WSR16	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	15.40	8:23:00 AM	7.80	8.10	30.00	27.30	2.90	2.50
WSR16	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	15.40	8:23:00 AM	8.00	8.10	30.00	27.20	2.80	2.50
WSR16	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:01:00 AM	7.81	8.04	30.56	27.53	3.31	3.00
WSR16	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:01:00 AM	7.59	8.07	30.46	27.62	3.54	5.00
WSR16	20210805	Cloudy	Moderate	Mid-Ebb	Middle	8.00	9:00:00 AM	7.80	8.04	30.30	27.64	2.77	6.00
WSR16	20210805	Cloudy	Moderate	Mid-Ebb	Middle	8.00	9:00:00 AM	7.52	8.07	30.42	27.71	3.08	6.00
WSR16	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	15.00	8:59:00 AM	7.72	8.12	30.38	27.53	2.67	5.00
WSR16	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	15.00	8:59:00 AM	8.10	8.00	30.49	27.57	2.73	6.00
WSR16	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:09:00 AM	8.68	8.10	30.94	28.75	2.50	4.00
WSR16	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:09:00 AM	8.15	8.08	31.00	28.76	2.35	4.00
WSR16	20210807	Cloudy	Moderate	Mid-Ebb	Middle	7.85	10:08:00 AM	8.48	8.05	31.01	28.84	1.56	5.00
WSR16	20210807	Cloudy	Moderate	Mid-Ebb	Middle	7.85	10:08:00 AM	8.04	8.00	31.10	28.82	1.83	6.00
WSR16	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	14.70	10:07:00 AM	8.47	8.05	31.24	28.73	1.95	9.00
WSR16	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	14.70	10:07:00 AM	8.40	8.06	31.00	28.86	1.94	6.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR16	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:12:00 PM	7.65	7.98	29.95	28.92	2.66	4.00
WSR16	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:12:00 PM	7.83	7.90	30.00	28.84	3.01	4.00
WSR16	20210810	Cloudy	Moderate	Mid-Ebb	Middle	7.65	12:11:00 PM	7.48	7.96	29.98	29.02	3.12	7.00
WSR16	20210810	Cloudy	Moderate	Mid-Ebb	Middle	7.65	12:11:00 PM	7.42	7.84	29.86	28.94	2.74	7.00
WSR16	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	14.30	12:10:00 PM	7.64	8.04	29.92	28.82	2.75	3.00
WSR16	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	14.30	12:10:00 PM	7.76	7.86	29.87	28.81	2.57	2.50
WSR16	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:10:00 PM	8.05	7.96	30.53	29.09	2.50	5.00
WSR16	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:10:00 PM	8.10	8.05	30.53	29.12	2.66	5.00
WSR16	20210812	Sunny	Moderate	Mid-Ebb	Middle	7.70	1:09:00 PM	8.27	8.09	30.31	29.18	2.55	3.00
WSR16	20210812	Sunny	Moderate	Mid-Ebb	Middle	7.70	1:09:00 PM	7.98	8.05	30.29	29.02	2.48	3.00
WSR16	20210812	Sunny	Moderate	Mid-Ebb	Bottom	14.40	1:08:00 PM	8.17	7.96	30.25	29.01	2.27	3.00
WSR16	20210812	Sunny	Moderate	Mid-Ebb	Bottom	14.40	1:08:00 PM	8.18	7.99	30.25	29.03	1.98	3.00
WSR16	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:14:00 PM	8.09	8.27	30.47	27.61	2.62	3.00
WSR16	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:14:00 PM	8.53	8.30	30.62	27.53	2.86	4.00
WSR16	20210814	Sunny	Moderate	Mid-Ebb	Middle	8.20	3:13:00 PM	8.57	8.36	30.52	27.67	2.44	3.00
WSR16	20210814	Sunny	Moderate	Mid-Ebb	Middle	8.20	3:13:00 PM	8.11	8.22	30.50	27.50	2.49	3.00
WSR16	20210814	Sunny	Moderate	Mid-Ebb	Bottom	15.40	3:12:00 PM	8.67	8.27	30.39	27.59	2.36	2.50
WSR16	20210814	Sunny	Moderate	Mid-Ebb	Bottom	15.40	3:12:00 PM	8.22	8.42	30.68	27.55	2.36	2.50
WSR16	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	8:22:00 AM	7.85	8.17	31.14	28.71	2.73	7.00
WSR16	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	8:22:00 AM	8.38	8.19	31.18	28.84	2.71	7.00
WSR16	20210817	Sunny	Moderate	Mid-Ebb	Middle	8.35	8:21:00 AM	8.17	8.24	31.14	28.71	2.00	3.00
WSR16	20210817	Sunny	Moderate	Mid-Ebb	Middle	8.35	8:21:00 AM	8.06	8.14	31.31	28.85	2.06	5.00
WSR16	20210817	Sunny	Moderate	Mid-Ebb	Bottom	15.70	8:20:00 AM	7.78	8.13	31.25	28.87	1.87	6.00
WSR16	20210817	Sunny	Moderate	Mid-Ebb	Bottom	15.70	8:20:00 AM	7.84	8.13	31.23	28.86	2.13	5.00
WSR16	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:36:00 AM	8.70	8.23	31.25	28.73	2.94	9.00
WSR16	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:36:00 AM	8.41	8.27	30.91	28.76	2.83	9.00
WSR16	20210819	Cloudy	Moderate	Mid-Ebb	Middle	7.60	8:35:00 AM	8.23	8.29	31.04	28.73	2.92	10.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR16	20210819	Cloudy	Moderate	Mid-Ebb	Middle	7.60	8:35:00 AM	8.54	8.21	30.91	28.71	2.68	10.00
WSR16	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	14.20	8:34:00 AM	8.71	8.37	31.12	28.96	2.60	7.00
WSR16	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	14.20	8:34:00 AM	8.39	8.19	31.00	28.71	2.32	7.00
WSR16	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:00:00 AM	7.90	8.20	29.80	29.40	2.70	6.00
WSR16	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:00:00 AM	8.00	8.20	29.50	29.40	2.50	4.00
WSR16	20210821	Sunny	Moderate	Mid-Ebb	Middle	8.20	9:59:00 AM	7.70	8.30	29.70	29.40	2.00	6.00
WSR16	20210821	Sunny	Moderate	Mid-Ebb	Middle	8.20	9:59:00 AM	8.40	8.10	29.50	29.40	2.30	5.00
WSR16	20210821	Sunny	Moderate	Mid-Ebb	Bottom	15.30	9:58:00 AM	8.40	8.40	29.70	29.50	2.50	8.00
WSR16	20210821	Sunny	Moderate	Mid-Ebb	Bottom	15.30	9:58:00 AM	8.40	8.30	29.60	29.30	2.40	9.00
WSR16	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	12:17:00 PM	8.70	8.40	31.20	28.80	3.20	8.00
WSR16	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	12:17:00 PM	8.60	8.30	31.20	28.80	2.90	8.00
WSR16	20210824	Sunny	Moderate	Mid-Ebb	Middle	8.10	12:16:00 PM	8.90	8.40	31.00	28.80	2.60	7.00
WSR16	20210824	Sunny	Moderate	Mid-Ebb	Middle	8.10	12:16:00 PM	9.00	8.30	31.20	28.80	2.90	7.00
WSR16	20210824	Sunny	Moderate	Mid-Ebb	Bottom	15.20	12:15:00 PM	8.50	8.40	31.10	28.80	2.80	4.00
WSR16	20210824	Sunny	Moderate	Mid-Ebb	Bottom	15.20	12:15:00 PM	8.90	8.40	31.00	28.80	2.40	3.00
WSR16	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:18:00 PM	8.23	8.46	29.32	28.57	2.66	11.00
WSR16	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:18:00 PM	8.33	8.38	29.17	28.49	3.00	11.00
WSR16	20210826	Sunny	Moderate	Mid-Ebb	Middle	7.55	1:17:00 PM	8.22	8.45	29.53	28.30	2.69	11.00
WSR16	20210826	Sunny	Moderate	Mid-Ebb	Middle	7.55	1:17:00 PM	7.89	8.46	29.39	28.57	2.27	11.00
WSR16	20210826	Sunny	Moderate	Mid-Ebb	Bottom	14.10	1:16:00 PM	7.87	8.39	29.51	28.56	2.29	5.00
WSR16	20210826	Sunny	Moderate	Mid-Ebb	Bottom	14.10	1:16:00 PM	8.14	8.50	29.51	28.53	2.01	6.00
WSR16	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:21:00 PM	8.87	8.11	29.65	28.66	3.27	6.00
WSR16	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:21:00 PM	9.01	8.13	29.36	28.73	3.03	6.00
WSR16	20210828	Sunny	Moderate	Mid-Ebb	Middle	8.10	2:20:00 PM	8.82	8.16	29.58	28.59	2.06	6.00
WSR16	20210828	Sunny	Moderate	Mid-Ebb	Middle	8.10	2:20:00 PM	8.82	8.19	29.46	28.55	2.47	6.00
WSR16	20210828	Sunny	Moderate	Mid-Ebb	Bottom	15.20	2:19:00 PM	8.81	8.16	29.42	28.59	2.70	6.00
WSR16	20210828	Sunny	Moderate	Mid-Ebb	Bottom	15.20	2:19:00 PM	8.91	8.18	29.52	28.66	2.66	6.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR16	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:24:00 AM	8.32	8.35	30.02	28.88	2.18	8.00
WSR16	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:24:00 AM	8.48	8.29	29.97	28.77	2.23	8.00
WSR16	20210831	Cloudy	Moderate	Mid-Ebb	Middle	7.70	8:23:00 AM	8.93	8.29	30.10	28.65	2.59	7.00
WSR16	20210831	Cloudy	Moderate	Mid-Ebb	Middle	7.70	8:23:00 AM	8.44	8.32	29.88	28.62	2.40	9.00
WSR16	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	14.40	8:22:00 AM	8.53	8.28	29.98	28.65	2.08	8.00
WSR16	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	14.40	8:22:00 AM	8.36	8.33	30.00	28.89	1.75	8.00
WSR33	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:11:00 AM	8.20	8.00	29.40	27.50	2.60	3.00
WSR33	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:11:00 AM	8.10	8.00	29.40	27.40	2.50	2.50
WSR33	20210803	Cloudy	Moderate	Mid-Ebb	Middle	3.70	9:10:00 AM	8.40	8.10	29.50	27.40	2.20	3.00
WSR33	20210803	Cloudy	Moderate	Mid-Ebb	Middle	3.70	9:10:00 AM	8.30	8.00	29.70	27.40	2.40	2.50
WSR33	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	6.30	9:09:00 AM	8.30	8.10	29.40	27.40	1.90	3.00
WSR33	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	6.30	9:09:00 AM	8.00	8.00	29.70	27.30	2.10	3.00
WSR33	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:51:00 AM	8.50	7.96	30.83	27.93	2.50	2.50
WSR33	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:51:00 AM	8.22	7.95	30.88	27.67	2.45	3.00
WSR33	20210805	Cloudy	Moderate	Mid-Ebb	Middle	3.65	9:50:00 AM	8.46	7.91	30.85	27.78	2.48	4.00
WSR33	20210805	Cloudy	Moderate	Mid-Ebb	Middle	3.65	9:50:00 AM	8.02	7.89	30.85	27.87	2.65	3.00
WSR33	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	6.30	9:49:00 AM	8.46	7.95	30.87	27.86	1.92	2.50
WSR33	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	6.30	9:49:00 AM	8.03	7.92	30.91	27.68	1.91	2.50
WSR33	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:06:00 AM	9.22	8.21	30.69	28.92	2.16	7.00
WSR33	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	11:06:00 AM	9.19	8.16	30.84	28.85	2.15	8.00
WSR33	20210807	Cloudy	Moderate	Mid-Ebb	Middle	3.65	11:05:00 AM	8.85	8.18	30.65	28.90	2.18	11.00
WSR33	20210807	Cloudy	Moderate	Mid-Ebb	Middle	3.65	11:05:00 AM	8.77	8.21	30.65	28.88	1.87	11.00
WSR33	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	6.30	11:04:00 AM	9.18	8.20	30.78	28.98	2.43	9.00
WSR33	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	6.30	11:04:00 AM	8.84	8.27	30.67	28.92	2.15	9.00
WSR33	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:57:00 PM	7.66	8.14	29.94	29.10	2.90	3.00
WSR33	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:57:00 PM	7.75	8.18	29.97	29.05	2.58	3.00
WSR33	20210810	Cloudy	Moderate	Mid-Ebb	Middle	3.70	12:56:00 PM	7.78	8.27	29.86	29.01	2.31	7.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR33	20210810	Cloudy	Moderate	Mid-Ebb	Middle	3.70	12:56:00 PM	7.80	8.16	30.05	29.17	2.35	7.00
WSR33	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	6.40	12:55:00 PM	7.64	8.11	30.01	29.05	2.33	2.50
WSR33	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	6.40	12:55:00 PM	7.51	8.22	30.15	29.12	2.30	3.00
WSR33	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:54:00 PM	8.52	8.19	30.67	29.17	2.67	2.50
WSR33	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:54:00 PM	8.41	8.15	30.58	29.13	3.02	2.50
WSR33	20210812	Sunny	Moderate	Mid-Ebb	Middle	3.70	1:53:00 PM	8.59	8.14	30.55	29.19	2.33	3.00
WSR33	20210812	Sunny	Moderate	Mid-Ebb	Middle	3.70	1:53:00 PM	8.36	8.12	30.44	29.09	2.19	5.00
WSR33	20210812	Sunny	Moderate	Mid-Ebb	Bottom	6.40	1:52:00 PM	8.61	8.16	30.64	29.18	2.37	4.00
WSR33	20210812	Sunny	Moderate	Mid-Ebb	Bottom	6.40	1:52:00 PM	8.52	8.12	30.46	29.09	2.36	2.50
WSR33	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:03:00 PM	8.41	8.20	30.36	28.28	1.95	3.00
WSR33	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	4:03:00 PM	8.78	8.11	30.43	28.23	2.12	2.50
WSR33	20210814	Sunny	Moderate	Mid-Ebb	Middle	3.55	4:02:00 PM	8.54	8.31	30.51	28.08	2.46	3.00
WSR33	20210814	Sunny	Moderate	Mid-Ebb	Middle	3.55	4:02:00 PM	8.18	8.30	30.68	28.07	2.88	4.00
WSR33	20210814	Sunny	Moderate	Mid-Ebb	Bottom	6.10	4:01:00 PM	8.67	8.17	30.56	28.05	2.69	3.00
WSR33	20210814	Sunny	Moderate	Mid-Ebb	Bottom	6.10	4:01:00 PM	8.87	8.32	30.48	28.13	2.71	2.50
WSR33	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	9:07:00 AM	8.96	8.05	30.33	28.48	2.63	7.00
WSR33	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	9:07:00 AM	8.75	8.10	30.29	28.48	2.71	6.00
WSR33	20210817	Sunny	Moderate	Mid-Ebb	Middle	3.60	9:06:00 AM	8.67	8.10	30.08	28.39	2.23	4.00
WSR33	20210817	Sunny	Moderate	Mid-Ebb	Middle	3.60	9:06:00 AM	9.10	8.18	30.11	28.55	1.90	4.00
WSR33	20210817	Sunny	Moderate	Mid-Ebb	Bottom	6.20	9:05:00 AM	9.34	8.01	30.14	28.38	2.45	8.00
WSR33	20210817	Sunny	Moderate	Mid-Ebb	Bottom	6.20	9:05:00 AM	8.82	8.12	30.27	28.47	2.32	8.00
WSR33	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:24:00 AM	8.98	8.10	30.57	28.77	2.50	6.00
WSR33	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:24:00 AM	8.99	8.19	30.71	28.80	2.65	6.00
WSR33	20210819	Cloudy	Moderate	Mid-Ebb	Middle	3.60	9:23:00 AM	9.11	8.15	30.57	28.64	2.53	6.00
WSR33	20210819	Cloudy	Moderate	Mid-Ebb	Middle	3.60	9:23:00 AM	8.74	8.03	30.36	28.67	2.28	4.00
WSR33	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	6.20	9:22:00 AM	9.16	8.07	30.49	28.85	2.74	7.00
WSR33	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	6.20	9:22:00 AM	8.85	8.13	30.35	28.69	2.34	7.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR33	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:45:00 AM	7.80	8.40	30.10	29.10	3.10	9.00
WSR33	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:45:00 AM	8.00	8.40	30.40	29.20	3.10	10.00
WSR33	20210821	Sunny	Moderate	Mid-Ebb	Middle	3.60	10:44:00 AM	8.00	8.30	30.00	29.00	2.90	10.00
WSR33	20210821	Sunny	Moderate	Mid-Ebb	Middle	3.60	10:44:00 AM	8.30	8.50	30.30	29.10	3.00	9.00
WSR33	20210821	Sunny	Moderate	Mid-Ebb	Bottom	6.20	10:43:00 AM	7.80	8.40	30.60	29.10	2.70	9.00
WSR33	20210821	Sunny	Moderate	Mid-Ebb	Bottom	6.20	10:43:00 AM	8.30	8.40	30.30	29.20	3.00	9.00
WSR33	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:05:00 PM	9.10	8.20	30.40	28.80	2.30	7.00
WSR33	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:05:00 PM	8.80	8.40	30.60	28.80	2.60	9.00
WSR33	20210824	Sunny	Moderate	Mid-Ebb	Middle	3.80	1:04:00 PM	8.90	8.30	30.70	28.90	2.20	9.00
WSR33	20210824	Sunny	Moderate	Mid-Ebb	Middle	3.80	1:04:00 PM	8.90	8.30	30.80	28.80	2.00	9.00
WSR33	20210824	Sunny	Moderate	Mid-Ebb	Bottom	6.50	1:03:00 PM	8.70	8.30	30.70	28.80	1.90	7.00
WSR33	20210824	Sunny	Moderate	Mid-Ebb	Bottom	6.50	1:03:00 PM	8.80	8.30	30.70	28.80	1.70	9.00
WSR33	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:05:00 PM	8.07	8.33	29.60	28.44	2.74	9.00
WSR33	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:05:00 PM	8.20	8.29	29.31	28.44	2.36	8.00
WSR33	20210826	Sunny	Moderate	Mid-Ebb	Middle	3.70	2:04:00 PM	8.04	8.37	29.25	28.32	2.28	9.00
WSR33	20210826	Sunny	Moderate	Mid-Ebb	Middle	3.70	2:04:00 PM	8.12	8.35	29.52	28.51	2.22	7.00
WSR33	20210826	Sunny	Moderate	Mid-Ebb	Bottom	6.40	2:03:00 PM	8.07	8.38	29.39	28.55	1.73	10.00
WSR33	20210826	Sunny	Moderate	Mid-Ebb	Bottom	6.40	2:03:00 PM	7.96	8.32	29.30	28.41	1.82	10.00
WSR33	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:08:00 PM	8.55	8.26	28.75	28.83	3.10	9.00
WSR33	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:08:00 PM	8.67	8.26	28.57	28.82	2.73	9.00
WSR33	20210828	Sunny	Moderate	Mid-Ebb	Middle	3.80	3:07:00 PM	8.71	8.23	28.53	28.82	3.28	4.00
WSR33	20210828	Sunny	Moderate	Mid-Ebb	Middle	3.80	3:07:00 PM	8.73	8.24	28.62	28.77	3.68	5.00
WSR33	20210828	Sunny	Moderate	Mid-Ebb	Bottom	6.60	3:06:00 PM	8.77	8.24	28.61	28.91	2.28	8.00
WSR33	20210828	Sunny	Moderate	Mid-Ebb	Bottom	6.60	3:06:00 PM	8.53	8.23	28.82	28.91	2.63	8.00
WSR33	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:14:00 AM	8.99	8.19	30.53	28.54	3.32	2.50
WSR33	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:14:00 AM	8.97	8.22	30.34	28.64	3.17	4.00
WSR33	20210831	Cloudy	Moderate	Mid-Ebb	Middle	3.80	9:13:00 AM	8.97	8.24	30.41	28.67	2.70	9.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR33	20210831	Cloudy	Moderate	Mid-Ebb	Middle	3.80	9:13:00 AM	9.13	8.23	30.42	28.85	2.43	9.00
WSR33	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	6.60	9:12:00 AM	9.10	8.22	30.47	28.70	2.51	6.00
WSR33	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	6.60	9:12:00 AM	8.98	8.27	30.46	28.79	2.17	6.00
WSR36	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:58:00 AM	8.30	8.10	30.00	27.30	2.60	2.50
WSR36	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:58:00 AM	8.40	8.10	30.00	27.30	2.80	2.50
WSR36	20210803	Cloudy	Moderate	Mid-Ebb	Middle	3.40	8:58:00 AM	8.30	8.10	29.80	27.40	2.40	4.00
WSR36	20210803	Cloudy	Moderate	Mid-Ebb	Middle	3.40	8:58:00 AM	8.30	8.00	29.90	27.40	2.50	4.00
WSR36	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	5.70	8:57:00 AM	8.20	8.00	29.90	27.40	1.80	2.50
WSR36	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	5.70	8:57:00 AM	8.40	8.00	29.80	27.30	2.00	2.50
WSR36	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:36:00 AM	8.40	7.92	30.76	27.83	2.49	3.00
WSR36	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:36:00 AM	7.97	8.06	30.85	27.82	2.53	2.50
WSR36	20210805	Cloudy	Moderate	Mid-Ebb	Middle	3.20	9:36:00 AM	7.97	7.92	30.72	27.60	2.22	2.50
WSR36	20210805	Cloudy	Moderate	Mid-Ebb	Middle	3.20	9:36:00 AM	8.38	7.94	30.86	27.64	2.66	3.00
WSR36	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	5.40	9:35:00 AM	8.28	8.06	30.82	27.58	2.14	5.00
WSR36	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	5.40	9:35:00 AM	8.30	7.97	30.86	27.76	2.07	5.00
WSR36	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:52:00 AM	8.65	8.01	31.28	28.94	1.86	5.00
WSR36	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:52:00 AM	8.71	7.97	30.99	28.89	1.61	5.00
WSR36	20210807	Cloudy	Moderate	Mid-Ebb	Middle	3.55	10:52:00 AM	8.13	8.06	31.22	28.98	2.04	5.00
WSR36	20210807	Cloudy	Moderate	Mid-Ebb	Middle	3.55	10:52:00 AM	8.41	7.98	31.14	29.00	1.71	7.00
WSR36	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	6.10	10:51:00 AM	8.55	7.99	31.09	28.85	2.13	6.00
WSR36	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	6.10	10:51:00 AM	8.40	7.97	31.00	28.95	1.99	6.00
WSR36	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:44:00 PM	8.52	8.21	29.76	29.12	2.41	2.50
WSR36	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:44:00 PM	8.37	8.02	29.51	29.12	2.58	2.50
WSR36	20210810	Cloudy	Moderate	Mid-Ebb	Middle	3.55	12:44:00 PM	8.23	8.11	29.57	29.15	2.15	6.00
WSR36	20210810	Cloudy	Moderate	Mid-Ebb	Middle	3.55	12:44:00 PM	8.10	8.16	29.50	29.09	2.10	4.00
WSR36	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	6.10	12:43:00 PM	8.25	8.14	29.50	29.15	1.60	6.00
WSR36	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	6.10	12:43:00 PM	8.26	8.21	29.51	29.13	1.88	6.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR36	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:41:00 PM	8.15	8.24	31.30	29.20	2.96	4.00
WSR36	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:41:00 PM	8.20	8.27	31.19	29.20	2.63	3.00
WSR36	20210812	Sunny	Moderate	Mid-Ebb	Middle	3.50	1:41:00 PM	8.28	8.32	31.50	29.20	2.69	4.00
WSR36	20210812	Sunny	Moderate	Mid-Ebb	Middle	3.50	1:41:00 PM	8.47	8.27	31.37	29.16	2.79	4.00
WSR36	20210812	Sunny	Moderate	Mid-Ebb	Bottom	6.00	1:40:00 PM	8.44	8.17	31.25	29.01	2.65	3.00
WSR36	20210812	Sunny	Moderate	Mid-Ebb	Bottom	6.00	1:40:00 PM	8.45	8.24	31.37	29.03	2.91	5.00
WSR36	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:49:00 PM	7.89	8.22	30.67	27.63	2.11	4.00
WSR36	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:49:00 PM	7.46	8.21	30.70	27.63	2.27	2.50
WSR36	20210814	Sunny	Moderate	Mid-Ebb	Middle	3.80	3:49:00 PM	8.19	8.18	30.76	27.63	2.39	2.50
WSR36	20210814	Sunny	Moderate	Mid-Ebb	Middle	3.80	3:49:00 PM	7.54	8.11	30.68	27.65	2.69	2.50
WSR36	20210814	Sunny	Moderate	Mid-Ebb	Bottom	6.60	3:48:00 PM	8.16	8.06	30.77	27.52	2.31	2.50
WSR36	20210814	Sunny	Moderate	Mid-Ebb	Bottom	6.60	3:48:00 PM	7.75	8.26	30.49	27.61	2.51	2.50
WSR36	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	8:54:00 AM	8.98	8.17	31.24	28.95	2.32	4.00
WSR36	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	8:54:00 AM	8.81	8.19	31.15	28.89	2.63	2.50
WSR36	20210817	Sunny	Moderate	Mid-Ebb	Middle	3.85	8:54:00 AM	8.76	8.26	31.03	28.93	2.58	9.00
WSR36	20210817	Sunny	Moderate	Mid-Ebb	Middle	3.85	8:54:00 AM	9.39	8.22	31.03	29.07	2.47	9.00
WSR36	20210817	Sunny	Moderate	Mid-Ebb	Bottom	6.70	8:53:00 AM	8.92	8.16	31.12	28.95	1.76	8.00
WSR36	20210817	Sunny	Moderate	Mid-Ebb	Bottom	6.70	8:53:00 AM	9.07	8.23	31.31	28.96	1.51	6.00
WSR36	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:10:00 AM	7.98	8.21	30.21	28.55	2.18	6.00
WSR36	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:10:00 AM	8.18	8.21	30.23	28.63	2.11	4.00
WSR36	20210819	Cloudy	Moderate	Mid-Ebb	Middle	3.10	9:10:00 AM	8.50	8.32	30.21	28.69	1.89	4.00
WSR36	20210819	Cloudy	Moderate	Mid-Ebb	Middle	3.10	9:10:00 AM	8.57	8.21	30.07	28.78	2.10	4.00
WSR36	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	5.20	9:09:00 AM	8.09	8.32	30.16	28.74	1.87	3.00
WSR36	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	5.20	9:09:00 AM	7.94	8.18	30.28	28.79	2.09	4.00
WSR36	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:32:00 AM	8.10	8.20	29.90	29.60	3.40	7.00
WSR36	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:32:00 AM	8.00	8.40	29.70	29.70	2.90	10.00
WSR36	20210821	Sunny	Moderate	Mid-Ebb	Middle	3.20	10:32:00 AM	7.90	8.40	29.40	29.80	2.90	7.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR36	20210821	Sunny	Moderate	Mid-Ebb	Middle	3.20	10:32:00 AM	8.20	8.20	29.50	29.80	2.80	7.00
WSR36	20210821	Sunny	Moderate	Mid-Ebb	Bottom	5.30	10:31:00 AM	7.70	8.40	29.50	29.70	2.30	9.00
WSR36	20210821	Sunny	Moderate	Mid-Ebb	Bottom	5.30	10:31:00 AM	8.30	8.30	29.70	29.60	2.40	9.00
WSR36	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	12:51:00 PM	7.70	8.20	31.10	28.90	2.90	7.00
WSR36	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	12:51:00 PM	7.80	8.20	30.90	28.90	2.80	7.00
WSR36	20210824	Sunny	Moderate	Mid-Ebb	Middle	3.70	12:51:00 PM	8.20	8.20	31.30	28.90	2.70	4.00
WSR36	20210824	Sunny	Moderate	Mid-Ebb	Middle	3.70	12:51:00 PM	7.90	8.30	31.30	28.80	2.60	5.00
WSR36	20210824	Sunny	Moderate	Mid-Ebb	Bottom	6.40	12:50:00 PM	7.80	8.20	31.10	28.80	1.70	10.00
WSR36	20210824	Sunny	Moderate	Mid-Ebb	Bottom	6.40	12:50:00 PM	8.20	8.20	31.30	28.80	1.70	10.00
WSR36	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:52:00 PM	8.17	8.39	29.74	28.22	2.32	7.00
WSR36	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:52:00 PM	8.21	8.39	29.69	28.34	2.53	6.00
WSR36	20210826	Sunny	Moderate	Mid-Ebb	Middle	3.05	1:52:00 PM	7.93	8.47	29.77	28.30	1.79	5.00
WSR36	20210826	Sunny	Moderate	Mid-Ebb	Middle	3.05	1:52:00 PM	8.13	8.43	29.92	28.47	2.11	6.00
WSR36	20210826	Sunny	Moderate	Mid-Ebb	Bottom	5.10	1:51:00 PM	8.23	8.53	30.03	28.41	1.66	5.00
WSR36	20210826	Sunny	Moderate	Mid-Ebb	Bottom	5.10	1:51:00 PM	8.34	8.47	29.94	28.30	1.66	6.00
WSR36	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:54:00 PM	8.41	8.20	28.92	28.85	3.16	3.00
WSR36	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:54:00 PM	8.67	8.18	28.63	28.77	3.51	3.00
WSR36	20210828	Sunny	Moderate	Mid-Ebb	Middle	3.35	2:54:00 PM	8.46	8.17	28.63	28.74	2.72	9.00
WSR36	20210828	Sunny	Moderate	Mid-Ebb	Middle	3.35	2:54:00 PM	8.72	8.21	28.80	28.82	2.89	8.00
WSR36	20210828	Sunny	Moderate	Mid-Ebb	Bottom	5.70	2:53:00 PM	8.57	8.14	28.89	28.67	2.51	6.00
WSR36	20210828	Sunny	Moderate	Mid-Ebb	Bottom	5.70	2:53:00 PM	8.52	8.16	28.71	28.83	2.13	6.00
WSR36	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:00:00 AM	8.29	8.23	30.22	28.56	2.72	8.00
WSR36	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:00:00 AM	8.49	8.21	30.12	28.57	2.41	9.00
WSR36	20210831	Cloudy	Moderate	Mid-Ebb	Middle	3.50	9:00:00 AM	9.02	8.20	30.13	28.71	2.68	9.00
WSR36	20210831	Cloudy	Moderate	Mid-Ebb	Middle	3.50	9:00:00 AM	8.84	8.20	30.30	28.62	2.39	7.00
WSR36	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	6.00	8:59:00 AM	8.50	8.16	30.18	28.58	2.29	4.00
WSR36	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	6.00	8:59:00 AM	8.48	8.21	30.04	28.66	1.97	5.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR37	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:46:00 AM	8.20	8.00	30.10	27.30	2.30	14.00
WSR37	20210803	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:46:00 AM	8.40	8.00	29.80	27.30	2.00	14.00
WSR37	20210803	Cloudy	Moderate	Mid-Ebb	Middle	4.30	8:45:00 AM	8.10	8.00	29.90	27.30	2.50	7.00
WSR37	20210803	Cloudy	Moderate	Mid-Ebb	Middle	4.30	8:45:00 AM	8.20	8.00	29.90	27.40	2.30	7.00
WSR37	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	7.60	8:44:00 AM	7.90	8.10	29.80	27.40	1.80	4.00
WSR37	20210803	Cloudy	Moderate	Mid-Ebb	Bottom	7.60	8:44:00 AM	7.70	8.10	30.00	27.40	1.80	4.00
WSR37	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:22:00 AM	7.52	8.02	30.68	27.79	2.78	8.00
WSR37	20210805	Cloudy	Moderate	Mid-Ebb	Surface	1.00	9:22:00 AM	8.07	8.02	30.90	27.84	2.94	8.00
WSR37	20210805	Cloudy	Moderate	Mid-Ebb	Middle	4.20	9:21:00 AM	7.58	8.05	30.62	27.75	2.65	5.00
WSR37	20210805	Cloudy	Moderate	Mid-Ebb	Middle	4.20	9:21:00 AM	8.02	7.94	30.81	27.58	2.87	3.00
WSR37	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	7.40	9:20:00 AM	7.51	8.06	30.72	27.80	2.26	8.00
WSR37	20210805	Cloudy	Moderate	Mid-Ebb	Bottom	7.40	9:20:00 AM	7.92	8.03	30.67	27.75	2.44	8.00
WSR37	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:40:00 AM	8.70	8.10	30.03	28.88	2.35	11.00
WSR37	20210807	Cloudy	Moderate	Mid-Ebb	Surface	1.00	10:40:00 AM	8.63	8.16	30.10	28.89	2.76	11.00
WSR37	20210807	Cloudy	Moderate	Mid-Ebb	Middle	3.95	10:39:00 AM	9.27	8.21	30.22	28.90	2.39	5.00
WSR37	20210807	Cloudy	Moderate	Mid-Ebb	Middle	3.95	10:39:00 AM	8.69	8.10	30.23	28.86	2.52	6.00
WSR37	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	6.90	10:38:00 AM	8.79	8.17	30.08	28.88	2.06	7.00
WSR37	20210807	Cloudy	Moderate	Mid-Ebb	Bottom	6.90	10:38:00 AM	8.89	8.18	30.03	28.89	1.79	7.00
WSR37	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:32:00 PM	7.87	8.02	30.30	28.79	2.78	3.00
WSR37	20210810	Cloudy	Moderate	Mid-Ebb	Surface	1.00	12:32:00 PM	8.04	8.16	30.32	28.86	3.04	4.00
WSR37	20210810	Cloudy	Moderate	Mid-Ebb	Middle	3.95	12:31:00 PM	7.99	8.10	30.26	28.69	2.75	3.00
WSR37	20210810	Cloudy	Moderate	Mid-Ebb	Middle	3.95	12:31:00 PM	7.83	8.02	30.50	28.75	2.53	4.00
WSR37	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	6.90	12:30:00 PM	8.07	8.11	30.27	28.68	2.63	3.00
WSR37	20210810	Cloudy	Moderate	Mid-Ebb	Bottom	6.90	12:30:00 PM	8.15	8.05	30.36	28.63	2.68	4.00
WSR37	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:30:00 PM	9.21	8.08	31.28	29.01	2.73	4.00
WSR37	20210812	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:30:00 PM	9.21	8.14	31.29	29.01	2.93	3.00
WSR37	20210812	Sunny	Moderate	Mid-Ebb	Middle	4.15	1:29:00 PM	9.13	8.06	31.39	29.02	2.67	9.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR37	20210812	Sunny	Moderate	Mid-Ebb	Middle	4.15	1:29:00 PM	9.29	8.05	31.25	29.19	2.28	6.00
WSR37	20210812	Sunny	Moderate	Mid-Ebb	Bottom	7.30	1:28:00 PM	9.32	8.07	31.44	28.95	1.92	4.00
WSR37	20210812	Sunny	Moderate	Mid-Ebb	Bottom	7.30	1:28:00 PM	9.18	8.11	31.46	29.02	2.05	4.00
WSR37	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:36:00 PM	8.32	8.36	30.90	28.12	2.68	4.00
WSR37	20210814	Sunny	Moderate	Mid-Ebb	Surface	1.00	3:36:00 PM	7.91	8.33	30.79	27.99	2.28	2.50
WSR37	20210814	Sunny	Moderate	Mid-Ebb	Middle	4.10	3:35:00 PM	8.66	8.50	30.92	28.10	2.53	7.00
WSR37	20210814	Sunny	Moderate	Mid-Ebb	Middle	4.10	3:35:00 PM	8.30	8.41	30.71	28.03	2.88	7.00
WSR37	20210814	Sunny	Moderate	Mid-Ebb	Bottom	7.20	3:34:00 PM	8.92	8.50	30.72	28.09	2.60	4.00
WSR37	20210814	Sunny	Moderate	Mid-Ebb	Bottom	7.20	3:34:00 PM	8.51	8.40	30.78	27.99	2.33	3.00
WSR37	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	8:42:00 AM	8.96	8.21	30.58	29.31	2.92	3.00
WSR37	20210817	Sunny	Moderate	Mid-Ebb	Surface	1.00	8:42:00 AM	8.90	8.22	30.74	29.22	2.71	5.00
WSR37	20210817	Sunny	Moderate	Mid-Ebb	Middle	4.00	8:41:00 AM	9.03	8.06	30.59	29.34	2.45	8.00
WSR37	20210817	Sunny	Moderate	Mid-Ebb	Middle	4.00	8:41:00 AM	8.84	8.23	30.54	29.25	2.61	7.00
WSR37	20210817	Sunny	Moderate	Mid-Ebb	Bottom	7.00	8:40:00 AM	9.19	8.21	30.75	29.26	2.11	9.00
WSR37	20210817	Sunny	Moderate	Mid-Ebb	Bottom	7.00	8:40:00 AM	8.76	8.07	30.59	29.33	1.91	9.00
WSR37	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:57:00 AM	9.03	8.11	30.09	28.22	2.79	8.00
WSR37	20210819	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:57:00 AM	9.23	8.14	30.36	28.14	2.96	6.00
WSR37	20210819	Cloudy	Moderate	Mid-Ebb	Middle	4.10	8:56:00 AM	9.33	8.16	30.28	28.09	2.25	7.00
WSR37	20210819	Cloudy	Moderate	Mid-Ebb	Middle	4.10	8:56:00 AM	9.42	8.26	30.08	28.08	2.67	6.00
WSR37	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	7.20	8:55:00 AM	9.22	8.15	30.40	28.04	2.35	4.00
WSR37	20210819	Cloudy	Moderate	Mid-Ebb	Bottom	7.20	8:55:00 AM	8.91	8.22	30.28	28.04	2.25	5.00
WSR37	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:20:00 AM	7.80	8.40	29.70	28.90	3.10	9.00
WSR37	20210821	Sunny	Moderate	Mid-Ebb	Surface	1.00	10:20:00 AM	8.30	8.20	29.60	29.00	3.00	9.00
WSR37	20210821	Sunny	Moderate	Mid-Ebb	Middle	4.20	10:19:00 AM	7.90	8.20	29.50	28.80	3.20	7.00
WSR37	20210821	Sunny	Moderate	Mid-Ebb	Middle	4.20	10:19:00 AM	7.90	8.10	29.40	29.00	3.20	7.00

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m)	Time (hh:mm)	DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)
WSR37	20210821	Sunny	Moderate	Mid-Ebb	Bottom	7.40	10:18:00 AM	7.70	8.10	29.30	29.00	2.80	7.00
WSR37	20210821	Sunny	Moderate	Mid-Ebb	Bottom	7.40	10:18:00 AM	8.30	8.20	29.70	28.80	2.60	7.00
WSR37	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	12:38:00 PM	8.40	8.20	30.30	29.10	1.90	10.00
WSR37	20210824	Sunny	Moderate	Mid-Ebb	Surface	1.00	12:38:00 PM	8.10	8.30	30.30	29.10	1.90	10.00
WSR37	20210824	Sunny	Moderate	Mid-Ebb	Middle	4.30	12:37:00 PM	7.90	8.30	30.80	29.00	2.40	6.00
WSR37	20210824	Sunny	Moderate	Mid-Ebb	Middle	4.30	12:37:00 PM	8.20	8.30	30.30	29.10	2.20	8.00
WSR37	20210824	Sunny	Moderate	Mid-Ebb	Bottom	7.60	12:36:00 PM	8.10	8.30	30.80	29.00	2.10	10.00
WSR37	20210824	Sunny	Moderate	Mid-Ebb	Bottom	7.60	12:36:00 PM	8.00	8.30	30.40	29.00	1.80	10.00
WSR37	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:39:00 PM	8.56	8.37	29.25	28.67	2.34	9.00
WSR37	20210826	Sunny	Moderate	Mid-Ebb	Surface	1.00	1:39:00 PM	8.57	8.31	29.10	28.85	2.48	7.00
WSR37	20210826	Sunny	Moderate	Mid-Ebb	Middle	4.15	1:38:00 PM	8.62	8.37	29.22	28.95	3.36	10.00
WSR37	20210826	Sunny	Moderate	Mid-Ebb	Middle	4.15	1:38:00 PM	8.86	8.29	29.15	28.89	3.32	7.00
WSR37	20210826	Sunny	Moderate	Mid-Ebb	Bottom	7.30	1:37:00 PM	8.91	8.31	29.24	28.82	2.62	5.00
WSR37	20210826	Sunny	Moderate	Mid-Ebb	Bottom	7.30	1:37:00 PM	8.86	8.32	29.02	28.84	2.36	8.00
WSR37	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:42:00 PM	8.04	8.42	29.36	28.62	3.51	6.00
WSR37	20210828	Sunny	Moderate	Mid-Ebb	Surface	1.00	2:42:00 PM	7.96	8.39	29.34	28.86	3.16	6.00
WSR37	20210828	Sunny	Moderate	Mid-Ebb	Middle	4.00	2:41:00 PM	7.82	8.32	29.34	28.78	3.38	6.00
WSR37	20210828	Sunny	Moderate	Mid-Ebb	Middle	4.00	2:41:00 PM	8.06	8.35	29.35	28.70	3.27	6.00
WSR37	20210828	Sunny	Moderate	Mid-Ebb	Bottom	7.00	2:40:00 PM	7.89	8.37	29.26	28.69	3.02	7.00
WSR37	20210828	Sunny	Moderate	Mid-Ebb	Bottom	7.00	2:40:00 PM	7.93	8.40	29.31	28.87	2.71	7.00
WSR37	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:46:00 AM	8.46	8.40	29.97	28.55	2.43	7.00
WSR37	20210831	Cloudy	Moderate	Mid-Ebb	Surface	1.00	8:46:00 AM	8.77	8.27	29.87	28.90	2.16	7.00
WSR37	20210831	Cloudy	Moderate	Mid-Ebb	Middle	3.95	8:45:00 AM	8.45	8.39	29.79	28.89	2.28	8.00
WSR37	20210831	Cloudy	Moderate	Mid-Ebb	Middle	3.95	8:45:00 AM	8.66	8.33	29.85	28.90	2.62	8.00
WSR37	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	6.90	8:44:00 AM	8.83	8.29	30.04	28.56	1.99	9.00
WSR37	20210831	Cloudy	Moderate	Mid-Ebb	Bottom	6.90	8:44:00 AM	8.16	8.37	30.01	28.53	1.94	9.00

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

Location	Date (YYYYMMDD)	Weather	Sea Condition	Tidal	Water Level	Depth (m) Time (hh:mm) DO (mg/L)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU) note 1	SS (mg/L) (Note 2)

Remark:

Note 1: Measurements of turbidity would be rounding to 0.1 NTU for proven accuracy as per the equipment specs during utilization of data.

Note 2: 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

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

Contract No. :	13/WSD/17			-			1004040400				
contract 110	15/ 10/17						M02A048102	QRAE 3 (PGM-2500)	2/7/2021		
			Weather Condition	r	Landfill Cas	Parameters	MOIC031772	MubliRAE lite (PGM62	8) 6/4/2021		
Monitoring	Date	Time			Lanunii Gas			Physical Parameters		Measu	red by
Location	(dd/mm/yyyy)	(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+360 - Ch1+310	21812ml	8:10	Rain	J	Lord	2.04	Ö.	30 1718	2	Peter An	Alter
Ch1+360 - Ch1+310	1812m	31.5	Rein	0	2019	0.74	?	32.1/ 298	2	~	Aton
Ch1+360 - Ch1+310	1810-1	8:10	Fline	\bigcirc	20.5	0.04	0	29 / 987	2	7	1.A.M.
Ch1+360 - Ch1+310	3/8/2022	13:15	Tite	0	2019	0.04	0	29.51987	2	7	MAN
Ch1+360 - Ch1+310	4181202	8:10	File	0	20-1	0.04	0	27.8 / 993	2		MAN
Ch1+360 - Ch1+310	4181202	13:15	Fin	Ø	221	0.04	0	28.31 913	2	4	MATA
Ch1+360 - Ch1+310	4812m	8.10	Fine	Ċ	2019	0,04	0	28.11 586	2	<u> </u>	MAL
Ch1+360 - Ch1+310	5151202	13:15	File	<u>с</u>	20.5	0.04	0	29.21 986	2	7	Ath
Ch1+360 - Ch1+310	6181202	8:10	Rein	0	20-1	opy	Ø	25.71 998	2	~	Ath
Ch1+360 - Ch1+310	6181202	13:15	Kein	O	2.1	0.64	6	30.11 998	2	~	MAGA
Ch1+360 - Ch1+310	7.181204	8:10	Fim	Ø	21.9	0.04	O	29.51 1001	2	1	MER
Ch1+360 - Ch1+310	7181202	13:15	Tik	0	20.9	2.04	0	3/ / /05/	2	٦	abr
Ch1+360 - Ch1+310								/			
Ch1+360 - Ch1+310						×		1			

Serial No.

Monitoring Equipment Last Calibration

Checked by :

Nox Ka Chun

Date

1-8-2021

Monitoring Equipment Last Calibration Serial No. Contract No.: 13/WSD/17 QRAE 3 (PGM-2500) M02A048102 2/7/2021 Multi-RAE Lite (1Gm-6208) 614/2021 moic 031772 Landfill Gas Parameters **Physical Parameters** Measured by Weather Condition Time Monitorina Date Trench Depth (m) Balance Gas (%) Temp (°C) / Pressure Sunny/ Fine/ Overcast/ Carbon Dioxide (dd/mm/yyyy) (hh:mm) Methane (%LEL) Location Oxygen (%) Name Signature Drizzle/ Rain/ Storm/ Hazy mBar (%) (e.g. H2S) Ch1+360 - Ch1+310 71812 AFR 11005 8:10 0.04 2 Peter An 7 262 20. Rain 2 Ch1+360 - Ch1+310 . 9181 21 0.04 28.9 MAL 11005 2 -13:15 20.5 2 Rein 0 Pht 1 Ch1+360 - Ch1+310 0 8:10 28.6 11008 2 018/21 20.8 - 7 Rain 0.04 0 28.8 MAGA Ch1+360 - Ch1+310 Rein 11008 1018/21 13115 20.1 0.04 0 0 2 . . ~~ ALA Ch1+360 - Ch1+310 11006 0.04 8:10 28.4 2 0 11/8/2 20 - ine 2 Ch1+360 - Ch1+310 (11872) At A 0 0.04 29 2 ~ 7 0 3:15 11006 Fine W. -Ch1+360 - Ch1+310 0 MAN 8:10 20.7 0 285 11008 1218/2 0.04 Line 2 File 2 -NATA Ch1+360 - Ch1+310 12/8/21 13:15 20.9 0.04 2 1/08 0 30 0 MAN 0 Ch1+360 - Ch1+310 8:10 Fire 0.04 28.8 20.1 2 7 1318/2 1106 MER File 0 Ch1+360 - Ch1+310 O 0.04 11006 3115 20.1 28.5 318/2 - 1 7 28.4 1/006 2 ALL.N. 7 Rein 20.9 Ch1+360 - Ch1+310 8:10 0.04 0 141812 0 0 Ch1+360 - Ch1+310 -141812 The A 13:15 064 9 1 1006 298 -1 Rain D 2 20 Ch1+360 - Ch1+310 1 Ch1+360 - Ch1+310 1

Checked by : Date

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

Contract No. :	12/WSD/17	•	8	0							
Contract No. :	15/WSD/17						M02A048102	QRAE 3 (PGM-2500)	2/7/2021		
			Weather Condition		Landfill Coo	Parameters	MOIC 031772	Multi-RAE Lite (PGM-628	6/4/2021		
Monitoring	Date	Time			Lanunii Gas	1		Physical Parameters		Measu	ired by
Location	(dd/mm/yyyy)	(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+360 - Ch1+310	16181n	8:10	Rain	0	20.9	0.04	2	28.3 / 1012	2	Peter My	Ktah
Ch1+360 - Ch1+310	1º1812	13:15	Rath	Ø	22.1	0-24	2	30.5 1 /012	2	L /	Auto/h
Ch1+360 - Ch1+310	1218/2	8:10	Flive	0	Wil	0.04	2	29.5 1/010	2	7	fut the
Ch1+360 - Ch1+310	1118121	12:15	F1m-	Ø	20.1	0.00	2	3/ 1/010	2	- /	Atch
Ch1+360 - Ch1+310	181812	8:10	Line	Ũ	W.S	0.04	0	29.5 / 1008	2	-1	PAR A
Ch1+360 - Ch1+310	101011	13:15	Fire	0	20 g	0.04	0	32 11008	2	~	Alta Ar
Ch1+360 - Ch1+310	1918/2	8:10	Rain	0	20.1	0.04	J	29 1/00/	2	.7	Pater A
Ch1+360 - Ch1+310	19181m	13:13	Rein	0	2~1	0.04	υ	31: 11009	2	~7	At A
Ch1+360 - Ch1+310	20(812	8:10	File	0	2:9	0.04	0	29.71 1008	2	~	MAA
Ch1+360 - Ch1+310		13:15	Fixe	Ø	2.9	0.04	Ð	32 / 1008	2	7	Auta Ar
Ch1+360 - Ch1+310	2/8/2	8:10	Fine	O	20.9	1.04	0	29.51 1007	\mathcal{V}	، ر	Mt.A.
Ch1+360 - Ch1+310	2/812	(3:15	Fire	C	20.9	0.04	0	3~ 1/007	2	4	Jut to
Ch1+360 - Ch1+310						,		/			
Ch1+360 - Ch1+310					i a			/			

Monitoring Equipment Last Calibration

Serial No.

Checked by : Date

Ny Ka Chuh 21-8-21

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

Contract No. :	13/WSD/17						M02A048102	QRAE 3 (PGM-2500)	2/7/2021		
							M01003772	Multi-RATE Lite (PGW-6208			
Monitoring	Date	Time	Weather Condition		Landfill Gas	Parameters		Physical Parameters		Measu	ired by
Location	(dd/mm/yyyy)	(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+360 - Ch1+310		8:10	File	U	Lug	2.04	2	30 / [w]	2	Peter An	Artich
Ch1+360 - Ch1+310	23/8/2	13:15	T-7re	0	20.5	2.04	2	33 / 1007	2	17	Altor
Ch1+360 - Ch1+310	24,812	8:10	Rein	0	2~5	0.09	Q	29.7 110.7	2	- 7	Mon
Ch1+360 - Ch1+310		13:15	Rein	0	20.9	1.04	2	3/ 1/007	2	-7	Autor
Ch1+360 - Ch1+310	141011	8:10	File	0	los	0.64	2	28.71/009	2	4 7	Auton
Ch1+360 - Ch1+310	23/8 M	12:15	Flue	0	20 9	0.04	7	33 1 /00 P	2	-7	Autor
Ch1+360 - Ch1+310	26/8/21	81 10	Fin	0	20-5	2.04	2	29.5 / 1011	2		Alt h
Ch1+360 - Ch1+310	26/8/2	131 / 5	File	Ó	WP	0.04	Ð	325/ (011)	7	AN& A
Ch1+360 - Ch1+310	2/8/21	8:10	Rah	0	20.9	0.04	0	27 / 10/2	2	$\overline{)}$	Arten
Ch1+360 - Ch1+310	2/8/2	13:15	Rain	0	20-1	0.04	D	28.8 / 1012	2	- 4	Auton
Ch1+360 - Ch1+310	28/8/2	8:10	Rein	0	20-9	0.04	Ð	28.1/10/1	2	7	Auton.
Ch1+360 - Ch1+310	28/8/21	(3:15	Rain	б	Joly	0.04	9	29.8/10/1	2)	Auto 2
Ch1+360 - Ch1+310					I			/			
Ch1+360 - Ch1+310								/			ţi.

Serial No.

Monitoring Equipment Last Calibration

Checked by : Date 28-8



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

設計、建造及運作將軍澳海水佔淡廠第一階段工程 合約編號: 13/WSD/17 工序專項培訓 (JOB-SPECIFIC ENVIRONMENTAL TRAINING)

3					3
2 Aug 2021 (ofto - ofto hus	環保大道 TTA 工作位置	Landfill Gas (LFG) Hazard 堆填沼氣的危害	AJCJV	Tiffany Tsang (EO)/ Brian Kam (EM)	
日期及時間:	地點:	題目:	公司:	培训人員:	
Date & Time	Location	Topic	Company	Trainer	

1	安箓	Signature	Jusof	7.	(pro								ISI.
	職位 / 工種	post / trade	- 29	C W	5.6								Check By:
	姓名	Name	िर्टाने इंस	臣委侯岛为建)法历人位								
	序號	No.	1	2	3	4	5	9	L	8	6	10	

Landfill Gas (LFG) Hazard

- Work area within 250m consultation zone of SENT Landfill
- LFG infiltration to trenches & pits within the work area
- LFG compositions Methane, Carbon Dioxide, Oxygen, other toxic gas (e.g. H2S)
- Safety hazards Explosion, asphyxiation & intoxication

Safety Precautions

- No smoking or restrained hot works/ naked fire
 - Good ventilation
- Gas checks before work
- Gas monitoring and recording

Event and Action Plan

Parameter		Action/ limit levels		Actions
			•	No smoking
	f	Action level > 10% LEL	۱	Prohibit hot works/ naked fire
(, HC) anathan			j.	Ventilate to bring down CH ₄ <10% LEL
			1	Stop works
	ï	Limit level > 20% LEL	1	Evacuate workers
	-		ł	Ventilate to bring down CH ₄ <10% LEL
	1	Action level > 0.5%	a.	Ventilate to bring down $CO_2 < 0.5\%$
Carbon Dioxide (CO ₂)			1	Stop works
	4	Limit level > 1.5%	ī	Evacuate workers
	_		1	Ventilate to bring down COs <0.5%
			1	Stop works
Oxygen (Oz)	Ŧ,	Action & limit level < 19%	,	Evacuate workers
	_			Ventilate to restore >19% Oz

堆填沼氣的危害

- ▶ 工作位置内的坑穴或地并可能有堆填沼氣涂入
- 推填沼氣成份 沼氣,二氣化碳,氣氣,其他有毒氣體(如: 硫化氫)
 - 安全危害 爆炸、窒息及中毒

預防措施

- - 保持良好通風
 - 大社民名語度
- 開工前氣體測試
- 氣體監測及記錄

事件及行動計劃

測試氣體		行動。限制準則	建識行動
50 FE	1	行動準則 > 10% LEL	- 腰葉吸煙 - 限制熱工序或明火工序 - 加強運風解沼集濃度降至 <10% LEL
111 4 14		限制準則 > 20% LEL	- 停止工序 - 硫散工人 - 加強通風解沼氣濃度降至 <10% LEL
	а	行動準則 > 0.5%	- 加強運風將二氟化碳濃度降至 <0.5%
二氟化碳		NS:1 < 恒南健函	- 停止工序 - 硫軟工人 - 加強強風料二氟化碳濃度降至 <0.5%
新 新	r.	行動&限制準則< 19%	- 停止工序 - 硫軟工人 - 加強感風料氣氣濃度回復 >19%

Acciona Jec Mills

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

設計、建造及運作將軍澳海水佔淡廠第一階段工程 合約編號: 13/WSD/17

• 工序專項培訓(JOB-SPECIFIC ENVIRONMENTAL TRAINING)

1400 hus.	。 環保大道 TTA 工作位置	Landfill Gas (LFG) Hazard 堆填沼氣的危害	力作)/ Brian Kam (EM)	簽名	Signature	22	「えんな きみ	下年 23、1世	4						,
ros jut 2	現保大道 丁	Landfill Gas (堆填沼氛	Д	Tiffany Tsang (EO)/ Brian Kam (EM	職位 / 工種	post / trade	1 21	o(2 I	いほこ							
Date & Time 日期及時間:	- Location 地點:	Topic 題目: -	Company 公司:	Trainer 培訓人員: -	姓名	Name	海军 化二 齐亨	活成领	的妻 百年 1月							
Date	Ц		C	Τr	序號	No.	1	2	3	4	5	9	7	8	6	10

Landfill Gas (LFG) Hazard

- Work area within 250m consultation zone of SENT Landfill
 - LFG infiltration to trenches & pits within the work area
- LFG compositions Methane, Carbon Dioxide, Oxygen, other toxic gas (e.g. H2S)
 - Safety hazards Explosion, asphyxiation & intoxication

Safety Precautions

- No smoking or restrained hot works/ naked fire
- Good ventilation
- Gas checks before work
- Gas monitoring and recording

Event and Action Plan

Ĩ

Parameter		Action/ limit levels	Actions
1 1 N 1	1	Action level > 10% LEL	 No smoking Prohibit hot works/ naked fire Ventilate to bring down CH₄ <10% LEL
(cut) amamam		Limit level > 20% LEL	 Stop works Evacuate workers Ventilate to bring down CH4 <10% LE1
		Action level > 0.5%	Ventilate to bring down CO ₂ <0.5%
Carbon Dioxide (CO2)	1	Limit level > 1.5%	 Stop works Evacuate workers Ventilate to bring down CO2 <0.5%
Oxygen (Os)	•	Action & limit level < 19%	 Stop works Evacuate workers Ventilate to restore >19% O₂

堆填沼氣的危害

I

- 涵蓋將軍澳(SENT)维填區 250 米範圍內的工作位置
- 工作位置内的坑穴或地井可能有堆填沼氣渗入
- 堆填沼氣成份 沼氣,二氣化碳,氣氣,其他有毒氣體(如: 硫化氫)
 - 安全危害 爆炸,窒息及中毒

酒防猫塘

- 嚴禁吸煙,克制熱工序或明火工序
 - 保持良好通風
- 開工前無體測試
- 氣體監測及記錄

憲法百九書士書

the long (Int) and			
測試氣體		行動/限制準則	建識行動
			 · · ·
	·	行動準則 > 10% LEL	- 限制独工序政明大工序
日本			- 加強通風將沿氣濃度降至 <10% LEL
			- 停止工序
,	1	限制準則 > 20% LEL	- 疏散工人
			- 加強// 加速// 加速// 加速// 加速// 10% TEL
	رب ۱	%S:0 < 回期留止	- 加強通風將二氣化碳濃度降至 <0.5%
2:11			
一裡(出版		COMMAND AND ADDRESS AND ADDRESS ADDRES	- 停止工序
	1	限制準則 > 1.5%	- 疏散工人
			- 加強強國將二氧化碳濃度降至 <0.5%
			 停止工序
施進	,	行動&限制推測<19%	
			 加強通風將氣氣濃度回復 >19%

Check By:

🍕 acciona 📠 सिंह

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

設計、建造及運作將軍澳海水佔淡廠第一階段工程 合約編號: 13/WSD/17 工序專項培訓 (JOB-SPECIFIC ENVIRONMENTAL TRAINING)

1400 hrs	環保大道 TTA 工作位置	Landfill Gas (LFG) Hazard 堆填沼氣的危害	力盛	Tiffany Tsang (EO)/ Brian Kam (EM)	1	1	簽名
1 Aug 2021	環保大道 T	Landfill Gas 堆填沼结	Д	Tiffany Tsang (EO		1	職位 / 工種
日期及時間:	地點:	題日:	公司:	培訓人員:			姓名
Date & Time	Location	Topic	Company	Trainer			
Date	Ι		Ŭ	Ĺ			序號

9	簽名	Signature	Ŕ	27	The second	fr's			5.				laper
1	職位 / 工種	post / trade	CH CH	itn4	TH	AI).						Check By:
	姓名	Name	French Str	法在演	围冰粮	愛文金							1
	序號	No.	1	2	3	4	5	9	7	8	6	10	

Landfill Gas (LFG) Hazard

- Work area within 250m consultation zone of SENT Landfill
- LFG infiltration to trenches & pits within the work area
- LFG compositions Methane, Carbon Dioxide, Oxygen, other toxic gas (e.g. H1S)
 - Safety hazards Explosion, asphyxiation & intoxication

Safety Precautions

- No smoking or restrained hot works/ naked fire
- Good ventilation
- Gas checks before work
- Gas monitoring and recording

Event and Action Plan

Parameter	Action/ limit levels		Actions
	×	1	No smoking
	 Action level > 10% LEL 	ī	Prohibit hot works/ naked fire
(, HC), anethall		£	Ventilate to bring down CH ₄ <10% LEL
(true) supress		æ	Stop works
	 Limit level > 20% LEL 	,	Evacuate workers
		¢	Ventilate to bring down CH4 <10% LEL
×	- Action level > 0.5%		Ventilate to bring down CO ₂ <0.5%
Carbon Dioxide (CO ₂)		,	Stop works

Stop works Evacuate workers Ventilate to bring down CO₂ <0.5%

Limit level > 1.5%

Stop works Evacuate workers Ventitiate to restore >19% O₂

Action & limit level < 19%

,

Oxygen (Oc)

1

堆填沼氣的危害

- 工作位置内的坑穴或地井可能有堆填沼氣滲入
- 堆填沼氣成份 沼氣,二氧化碳,氧氣,其他有毒氣體(如: 硫化氫)
- 安全危害 爆炸,窒息及中毒

預防措施

- - 保持良好通風
- 開工前筆籠道武
- 氣體能測及記錄

惠件及行動計劃

學行及行動計劃				
測試氣體		行動/限制準則		建議行動
H H		行動準則 > 10% LEL	最禁员權 限制熱工 加強運風	最其吸煙 动制熟工序或明火工序 加強殖風將沼氣濃度降至 <10% LEL
1	, i	限制準則 > 20% LEL	 一停止工序 一前散江人 加強運風 	亭止工序 流散工人 加強殖風將沼氣淵段降至 <10% LEL
	1	行動準則 > 0.5%	・加強通	加強遠風將二氧化碳濃度降至 <0.5%
二氧化碳	j.	限制準則 > 1.5%	- 停止工序 - 硫酸工人 - 加陸強風將	序 人 圓將二氟化碳濃度降至 ≤0.5%
氟氟	ι.	行動&限制準則< 19%	 一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一	学止工序 流散工人 加強殖風將氣氣濃度回復 >19%



Appendix M

HOKLAS Laboratory Certificate

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.





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

has been accepted by the HKAS Executive, on the recommendation of the Accreditation Advisory Board, as a 在認可證詞委員會的證據下獲委准認可處執行機關接受為

> HOKLAS Accredited Laboratory 「香港實驗所認可計劃」認可實驗所

This laboratory meets the requirements of ISO/IEC 17025:2005 and it has been accredited for performing specific tests or calibrations as listed in the scope of accreditation within the test category of

Environmental Testing

此實驗所符合ISO/IEC 17025:2005所訂的要求 並獲認可進行義於認可範圍內下述測試類別中的指定測試成校正工作

環境測試

This accreditation to ISO/IEC 17025:2005 demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (see joint IAF-ILAC-ISO Communique), 此場 ISO/IEC 17025:2005 的部項責務理界共変整新用最相定素額分析最後的技術能力並 實現一套實驗所實量領理體系(見國際超可論層、國際實驗所認可含作組織及國際標準化組織的關合公廳)。

The common seal of the Hong Kong Accreditation Service is affixed hereto by the authority of the HKAS Executive 限經素灌肥可處執行機關授權在此首上香港認可處的印章

WONG Wang-wah, Exacutive Administrator 執行幹事 養宏華 Issue Date: 16 July 2014 發發日期:二零一四年七月十六日 Registration Number: HOKLAS 241 註冊號碼:

This certificate is issued subject to be terms and conditions laid down by HKAS 本證書經經書進證可處訂立的傳說及信件證出



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

L 001195

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.



Appendix N

Water Quality and Landfill Gas Equipment Calibration Certificate

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.

Equipment	Model	Serial Number	Calibration Date	Calibration Expiry Date*
Multi-Functional Meter	Horiba U-53	S2A98W8H	14/07/2021	14/08/2021
Multi-Functional Meter	Horiba U-53	UHB5F2BB	04/08/2021	04/09/2021

Remarks*: All *in situ* monitoring instruments will be checked, calibrated and certified by laboratory accredited under HOKLAS or any other international accreditation scheme before use, and subsequently re-calibrated at monthly intervals throughout the stages of water quality monitoring, as per requirements in the EM&A Manual Clause 5.1.3.



Report No.
Date of Issue
Page No.

BA070064 16 July 2021 1 of 2

:

•

PART A - CUSTOMER INFORMATION

Acuity Sustainability Consulting Limited Unit C, 11/F, Ford Glory Plaza 37-39 Wing Hong Street Cheung Sha Wan, Kowloon, Hong Kong Attn: Mr. Nelson TSUI

PART B – DESCRIPTION

Name of Equipment	5	Multi Water Quality Checker U-53
Manufacturer	:	Horiba
Serial Number	:	S2A98W8H
Date of Received	1	Jul 12, 2021
Date of Calibration	:	Jul 14, 2021
Date of Next Calibration ^(a)	:	Oct 13, 2021

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

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

PART D - CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.12	0.12	Satisfactory
7.42	7.47	0.05	Satisfactory
10.01	10.07	0.06	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
17	18.70	1.70	Satisfactory
30	30.84	0.84	Satisfactory
35	35.91	0.91	Satisfactory

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

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.

(b) The results relate only to the calibrated equipment as received

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

LEE Chun-ning, Desmond Senior Chemist



Report No.	:	BA070064
Date of Issue	:	16 July 2021
Page No.	:	2 of 2

PART D - CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
1.80	2.27	0.47	Satisfactory
3.86	3.63	-0.23	Satisfactory
6.07	6.56	0.49	Satisfactory
7.81	8.20	0.39	Satisfactory

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

(4) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.85	-1.50	Satisfactory
20	20.37	1.85	Satisfactory
30	30.67	2.23	Satisfactory

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

(5) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.00		Satisfactory
10	9.17	-8.3	Satisfactory
20	19.90	-0.5	Satisfactory
100	101.00	1.0	Satisfactory
800	879.00	9.9	Satisfactory

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

~ END OF REPORT ~

<u>Remark(s): -</u>

Displayed Reading" presents the figures 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.



Report No.
Date of Issue
Page No.

BA070136 04 August 2021 1 of 2

•

÷

PART A – CUSTOMER INFORMATION

Acuity Sustainability Consulting Limited Unit C, 11/F, Ford Glory Plaza 37-39 Wing Hong Street Cheung Sha Wan, Kowloon, Hong Kong Attn: Mr. Nelson TSUI

PART B – DESCRIPTION

Name of Equipment	:	Multi Water Quality Checker U-53
Manufacturer	:	Horiba
Serial Number	:	UHB5F2BB
Date of Received	:	Jul 28, 2021
Date of Calibration	:	Aug 04, 2021
Date of Next Calibration ^(a)	:	Nov 03, 2021

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

<u>Parameter</u>	Reference Method
pH at 25°C	APHA 21e 4500-H ⁺ B
Dissolved Oxygen	APHA 21e 4500-O G
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B
Temperature	Section 6 of international Accreditation New Zealand Technical
	Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.
Oxidation-Reduction Potential	APHA 22e 2580 B

PART D - CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.04	0.04	Satisfactory
7.42	7.46	0.04	Satisfactory
10.01	10.06	0.05	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
16	15.53	-0.47	Satisfactory
25	24.69	-0.31	Satisfactory
30.5	30.29	-0.21	Satisfactory

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

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

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

(b) The results relate only to the calibrated equipment as received

(c)The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

(d)

"Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures. The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant (e) international standards.

LEE Chun-ning Senior Chemist



Report No.	:	BA070136
Date of Issue	:	04 August 2021
Page No.	:	2 of 2

PART D - CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
1.49	1.24	-0.25	Satisfactory
4.31	4.14	-0.17	Satisfactory
6.02	5.81	-0.21	Satisfactory
8.32	8.17	-0.15	Satisfactory

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

(4) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	10.31	3.10	Satisfactory
20	20.55	2.75	Satisfactory
30	31.14	3.80	Satisfactory

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

(5) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.09		Satisfactory
10	9.68	-3.2	Satisfactory
20	19.5	-2.5	Satisfactory
100	97.4	-2.6	Satisfactory
800	792	-1.0	Satisfactory

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

(6) Oxidation-Reduction Potential

Tolerance (mV) ^(g)	Results
+1	Satisfactory
	+1

Tolerance limit of Oxidation-Reduction Potential should be less than $\pm 10 \text{ (mV)}$

~ END OF REPORT ~

Remark(s): -

"Displayed Reading" presents the figures 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 (g)relevant international standards.





Unit B, 1/F., Hing Yip Centre, 31 Hing Yip Street, Kwun Tong, Kowloon, Hong Kong.

Calibration Certificate

China State Construction Engineering (Hong Kong) Ltd. Customer: 將軍澳海水化淡水廠第一階段 Address:

Tel: (852) 2592 2100 Fax: (852) 3165 8960 Email: info@apisehk.com http://www.apisehk.com

Your Safety Is Our Success

Calibration Date :	2/7/2021
Certificate Ref:	GDR00139
Tel:	9138 2007
Fax:	0

V2.18

FirmWare version:

Attn: 卓先生

Product Name with Model No.: QRAE 3 (PGM-2500)

灣仔郵政信箱28918號

Serial No.: M02A048102	Sensor Configurations:	LEL / H2S / CO / O2
Type of Sensor	Serial No.:	State:
Combustible (LEL) Sensor	S01403A589A5	Enable
Hydrogen sulfide (H2S) Sensor	S032490521A5	Enable
Oxygen (O2) Sensor	S022035322A5	Enable

Carbon Monoxide (CO) Sensor					S032480207A5	Enable		
Type of Sensor				A	Alarm Setting			
Type of Sel	nsor	L	w		High		STEL	TWA
Combustible	(LEL)	1	0		20		N/A	N/A
Hydrogen su (H2S)	ulfide	1	0		15		15	10
Oxygen (C	02)	19	9.5		23.5		N/A	N/A
Carbon Mon (CO)	oxide	2	25	200			50	25
Inspection Items					Visual Inspection	Functional Test		
Basic Unit - Case, Clip & Display etc.					Pass	Pass		
Battery and Charge etc.				Pass	Pass			
		Motorize	d Pump				Pass	Pass
	Audib	le Alarm a	nd Visual A	larm			Pass	Pass
Туре о	f calibr	ation	LEL(% LE	EL)	H2S (PPI	VI)	OXY(%)	CO(PPM)
Span	Calibra	ation	50		25		18	100
	Bet	ore Cal.	37		17.9		18.6	76
Reading	Af	ter Cal.	50		25		18	100
	F	Result	Pass		Pass		Pass	Pass

Gas Detector next annual check due date: 1/7/2022 Asia Pacific Industrial Safety Equipment Honeywell RAE Authorized Service Centre

Jason K.F. Wong Sales & Services Department

Honeywell Protection Through Detection 1349 Moffett Park Drive,

1349 Moffett Park Drive, Sunnyvale, CA 94089 USA Main: 408-952-8200

www.raesystems.com

Calibration and Test Certificate

Product Name:	MultiRAE Lite
Model Number:	PGM-6208
Serial Number:	M01C031772
Calibration/Inspection Date:	6/4/2021

Calibration Gases:

#	Gas	Concentration	Balance	Lot#
1	Hydrogen Sulfide(H ₂ S)	10ppm		
2	Carbon Monoxide(CO)	50ppm	Nitrogen(N2)	20210508
3	Oxygen(O ₂)	18%		
4	Methane(CH ₄)	50%LEL		
5	Sulfur Dioxide(SO2)	5ppm	Nitrogen(N ₂)	20210114
6	Carbon Dioxide(CO2)	5000ppm	Nitrogen(N2)	20201203

Test Results:

#	Sensor	Span	UOM
1	LEL	51	%LEL
2	SO,	5.2	ppm
3	COSH (H2S / CO)	10.1/51	ppm
4	Pb O,	17.8 .	%
5	CO ₂	4900	ppm

This instrument has been calibrated using valid calibration gases and instrument manual operation procedures. Test and calibration data is on file with the manufacturer, RAE Systems.

Approved By: 86-05-51832593





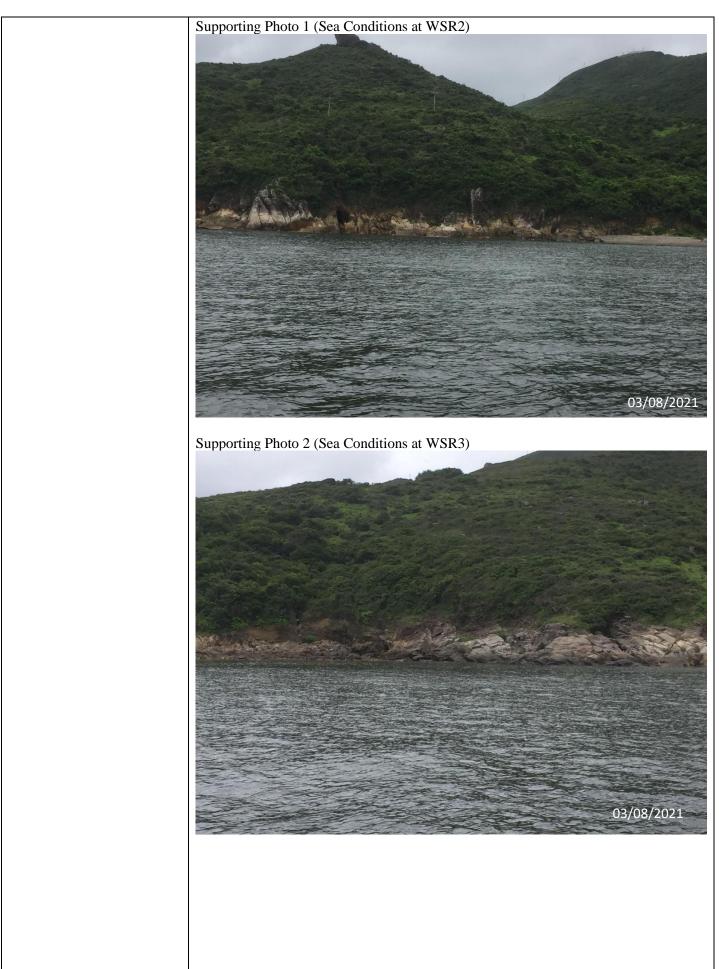
Appendix O

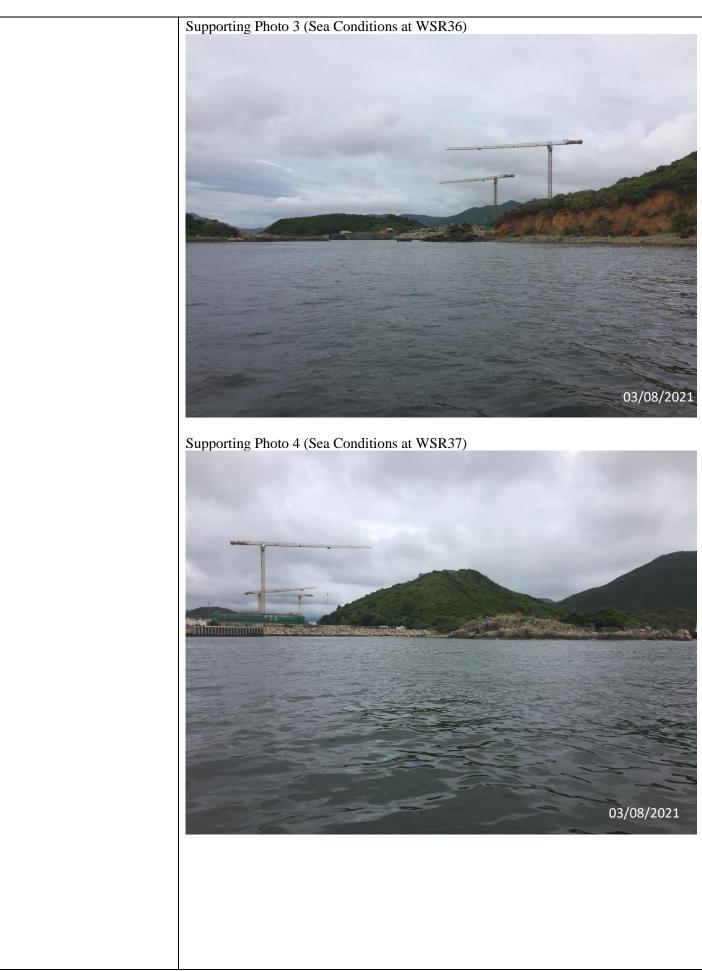
Exceedance Report(s)

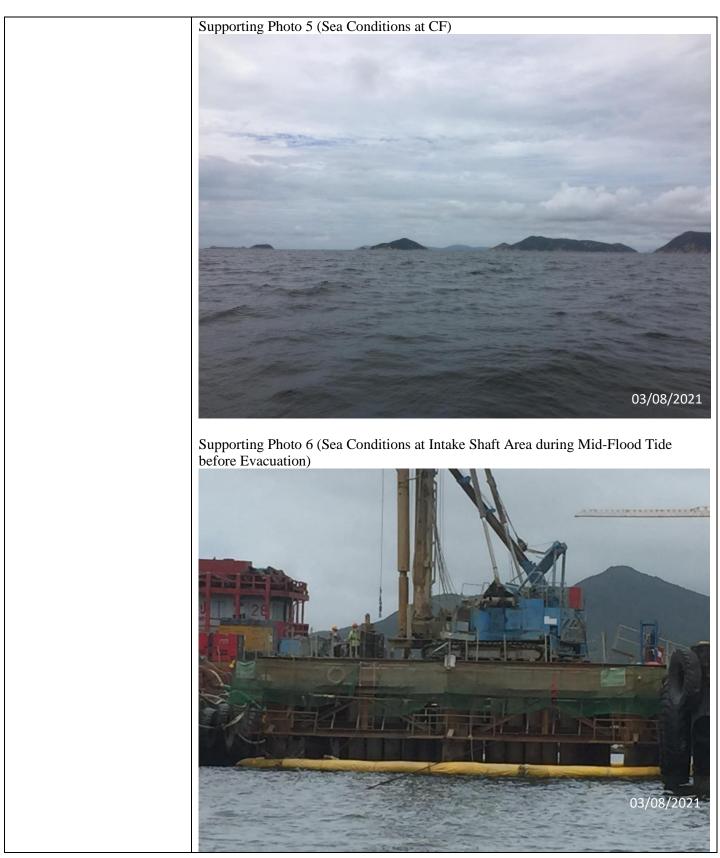
The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.

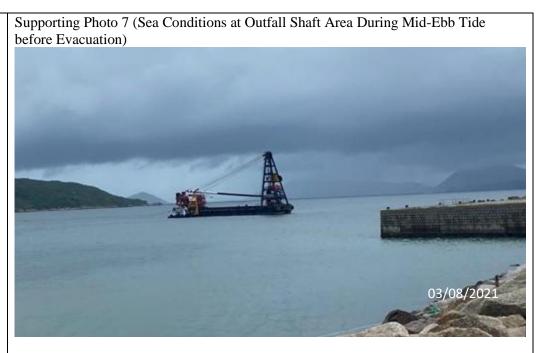
Project	Design, Build and Operate F	irst Stage of Tseung Kwan O	Desalination Plant	
Date	03 August 2021 (Lab result received on 07 August 2021)			
Time	14:15 - 17:45 (Mid-Flood) and 08:00 - 10:58 (Mid-Ebb)			
	Mid-Flood			
Monitoring Location	WSR2, WSR3, WSR36, WS	R37		
	HONG KONG ISLAND Tai Tam	Clear Water Bay	Image: Second	
D		0	1 2 Indicative Location of Submarine Outfa	
Parameter	Suspended Solid (SS)	T (
Action & Limit Levels	Action Level	Limit Level		
Measurement Level	> 9.0 mg/L Impact Station(s) of Exceedance	> 9.8 mg/L Control Stations	Impact Station(s) without Exceedance	
	9.2 mg/L (WSR2) 10.7 mg/L (WSR3) 9.3 mg/L (WSR36) 11.8 mg/L (WSR37)	4.3 mg/L (CF) 7.8 mg/L (CE)	5.7 mg/L (WSR1) 4.3 mg/L (WSR4) 5.0 mg/L (WSR16) 5.8 mg/L (WSR33)	
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: marine construction activities, namely 1) diver's works were stopped (0800 onwards); 2) welding works on a derrick barge and preparation for typhoon evacuation (0800 - 1100 & 1600hrs); 3) derrick barges towed out off-site to Kwa Wan Typhoon Shelter (1200 onwards).			
	 board the derrick barge (0800-1400hrs); 2) pipe piling of 610mm Ø on temporary working platform (0800-1400hrs); 2) lifting of 610mm Ø pipe piles (0800-1400 hrs); 3) preparation for typhoon evacuation (1400-1600hrs); 4) Derrick barges towed out offsite to To Kwa Wan Typhoon Shelter (1600hrs onwards) Marine construction activities with contact with water: 1) pipe piling of 610mm Ø on temporary (0800-1400 hrs); 4) Derrick barges for 0.000 hrs/s/s/s/s/s/s/s/s/s/s/s/s/s/s/s/s/s/s/			
	 Marine construction activities with contact with water. 1) pipe pining of oronnin Ø on temporary working platform (0800-1400hrs) Marine vessels on 03 August 2021: Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) Derrick barge x 2, tug boat x 1, anchor boat x 1 (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.					
	SS level was observed highest at WSR37 (11.8 mg/L) where no marine constriction works were conducted at the area on 03 August 2021. SS level for the station closest to the marine construction works (WSR36, 9.3 mg/L) were similar or lower to the stations WSR2 and WSR3. WSR2 and WSR3 were located distant from the marine construction site and the possibility of being affected by marine construction works were considered limited. In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant.					
	Tropical cyclone warning signals no.1 and no.3 were issued on 03 August 2021 with accumulative rainfall reaching 30mm over Joss-House Bay (Tai Miu Wan). The heavy rainfall may lead to release of SS content from the soil of the nearby lands (e.g. country park, fill bank).					
	According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 03 August 2021.					
	Conditions of the protective silt curtain at the inland water outfall was satisfactory on 03 August 2021.					
Remarks	Current direction during mid-flood sampling on 03 August 2021:					
	Frequencies Frequencies					









Supporting Photo 8 (Weather Warning and Signals Record on 03/08/2021)

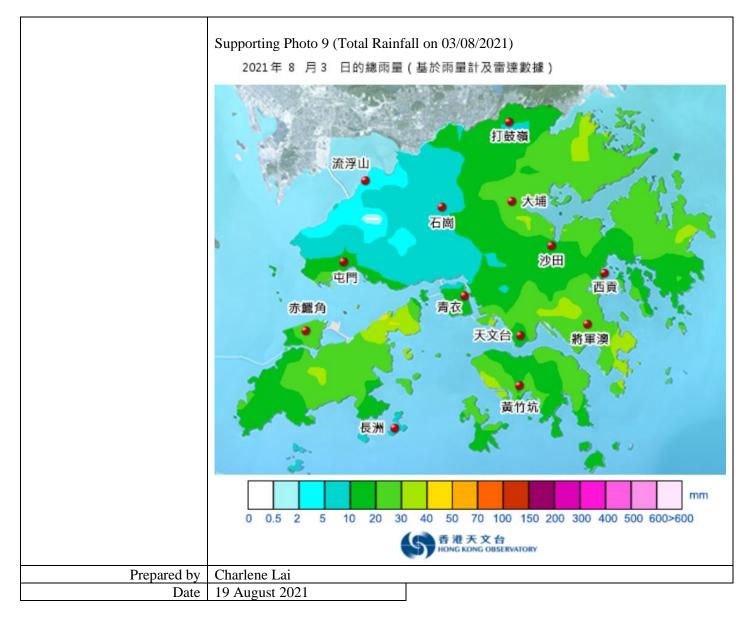
Weather Warning and Signals Record (3/Aug/2021)

Tropical Cyclone Warning Signals						
	Warrian and Circula	Start Time		End Time		
	Warning and Signals h		dd/mon/yyyy	hh:mm	dd/mon/yyyy	
T1	Standby Signal No. 1	21:40	02/Aug/2021	16:25	03/Aug/2021	
L 3	Strong Wind Signal No. 3	16:25	03/Aug/2021	04:20	04/Aug/2021	

Thunderstorm Warning

	Warning and Signals		Start Time		End Time	
		hh:mm	dd/mon/yyyy	hh:mm	dd/mon/yyyy	
1 /2.8	Thunderstorm Warning	04:35	03/Aug/2021	08:30	03/Aug/2021	

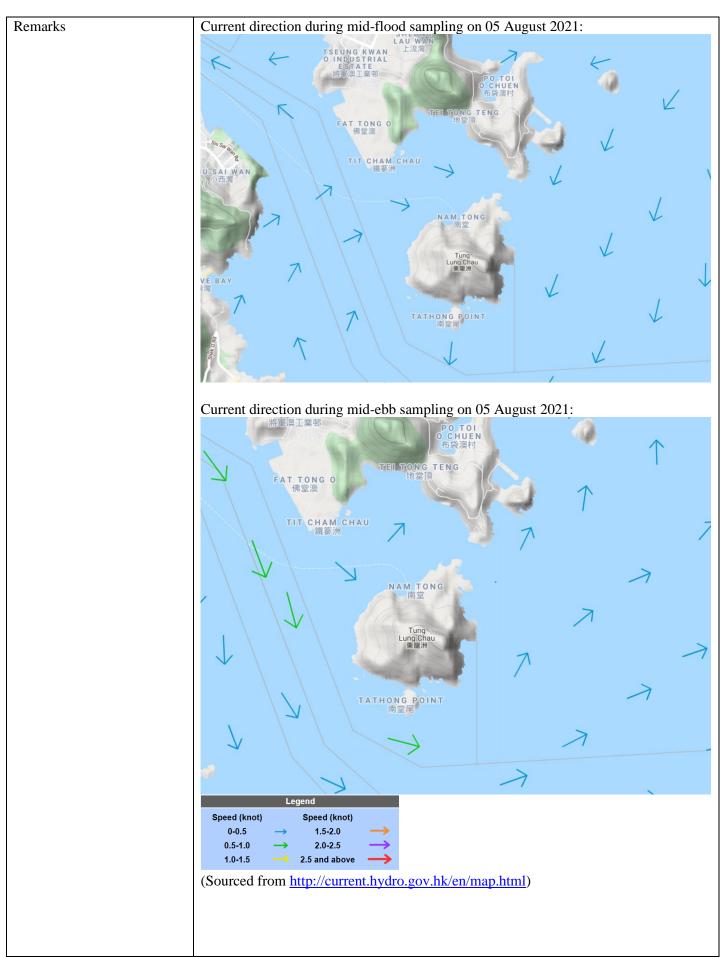
Back To Menu

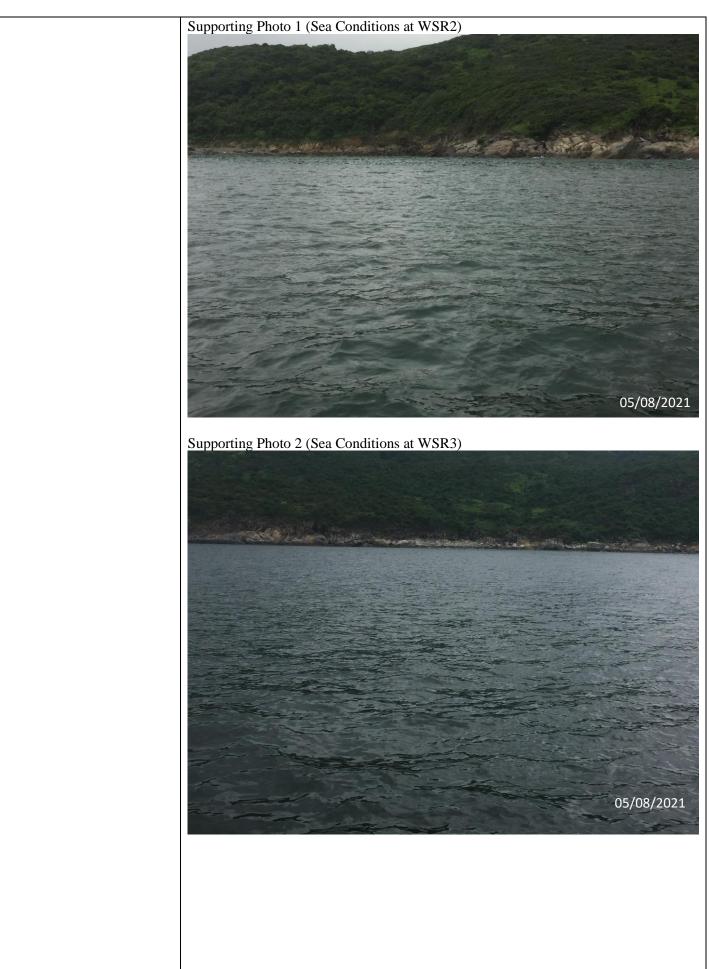


Design, Build and Operate Fi 05 August 2021 (Lab result re 15:58-19:00 (Mid-Flood) and Mid-Flo WSR3, WSR33, WSR36, WS	eceived on 11 August 20 108:36-12:06 (Mid-Ebb ood	021)	
Mid-Fl WSR3, WSR33, WSR36, WS CE HONG KONG ISLAND	ood SR37 Clear Water Bay		
WSR3, WSR33, WSR36, WS	SR37 Clear Water Bay WSR37 NF1 NF2 NF1 NF2 VSR21 Tung Tung		
HONG KONG ISLAND	Clear Water Bay	A A A A A A A A A A A A A A A A A A A	
HONG KONG ISLAND	Water Bay	A A A A A A A A A A A A A A A A A A A	
2 23	n n n n n n n n n n n n n n n n n n n	w.s	
Suspended Solid (SS)	∂ ∓	Key N Klonnetres 1 2	
	I imit I a	evel	
Impact Station(s) of Exceedance 7.0 mg/L (WSR 3) 9.3 mg/L (WSR33) 7.4 mg/L (WSR36) 9.3 mg/L (WSR 37)	Control Stations 5.3 mg/L (CF) 2.8 mg/L (CE)	Impact Station(s) without Exceedance5.8 mg/L (WSR 1) 2.7 mg/L (WSR 2) 4.4 mg/L (WSR 4) 4.0 mg/L (WSR 16)	
 Outfall Shaft Area: 1) Diver's checking on base condition and seabed levelling work (0800-1800hrs); 2) Lifting of concrete blocks for seabed levelling (1630-1800hrs) Intake Shaft Area: marine construction activities, namely 1) 610mm Ø pipe piling on temporary working platform (0800 - 1900 hrs); 2) lifting of 610mm Ø pipe piles (0800 - 1900 hrs) Marine construction activities with contact with water: 1) Diver's checking on base condition and seabed levelling work (0800-1800hrs); 2) Lifting of concrete blocks for seabed levelling (1630-1800hrs); 3) 610mm Ø pipe piling on temporary working platform (0800 - 1900 hrs) Marine vessels on 05 August 2021: Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) Derrick barge x 1, tug boat x 1 (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. 			
	Exceedance 7.0 mg/L (WSR 3) 9.3 mg/L (WSR 33) 7.4 mg/L (WSR33) 7.4 mg/L (WSR36) 9.3 mg/L (WSR 37) Outfall Shaft Area: 1) Diver (0800-1800hrs); 2) Lifting of Intake Shaft Area: marine co temporary working platform (- 1900 hrs) Marine construction activitie condition and seabed levellin seabed levelling (1630-1800 platform (0800 – 1900 hrs) Marine vessels on 05 August • Derrick barge x 2; pipe p • Derrick barge x 1, tug bo Dominating sea current direct to the west side of Tit Cham east side of Tit Cham Chau.	Suspended Solid (SS) Action Level Limit Late > 6.4 mg/L > 6.9 mg Impact Station(s) of Control Stations Exceedance Control Stations 7.0 mg/L (WSR 3) 5.3 mg/L (CF) 9.3 mg/L (WSR33) 2.8 mg/L (CE) 7.4 mg/L (WSR36) 9.3 mg/L (WSR 37) Outfall Shaft Area: 1) Diver's checking on base con (0800-1800hrs); 2) Lifting of concrete blocks for sea Intake Shaft Area: marine construction activities, na temporary working platform (0800 - 1900 hrs); 2) li - 1900 hrs) Marine construction activities with contact with wa condition and seabed levelling work (0800-1800hrs); seabed levelling (1630-1800hrs); 3) 610mm Ø pi platform (0800 - 1900 hrs) Marine vessels on 05 August 2021: • Derrick barge x 2; pipe piling rig x 1; 5.5T crane • Derrick barge x 1, tug boat x 1 (Outfall Shaft) Dominating sea current direction was found to be fror to the west side of Tit Cham Chau; and from North	

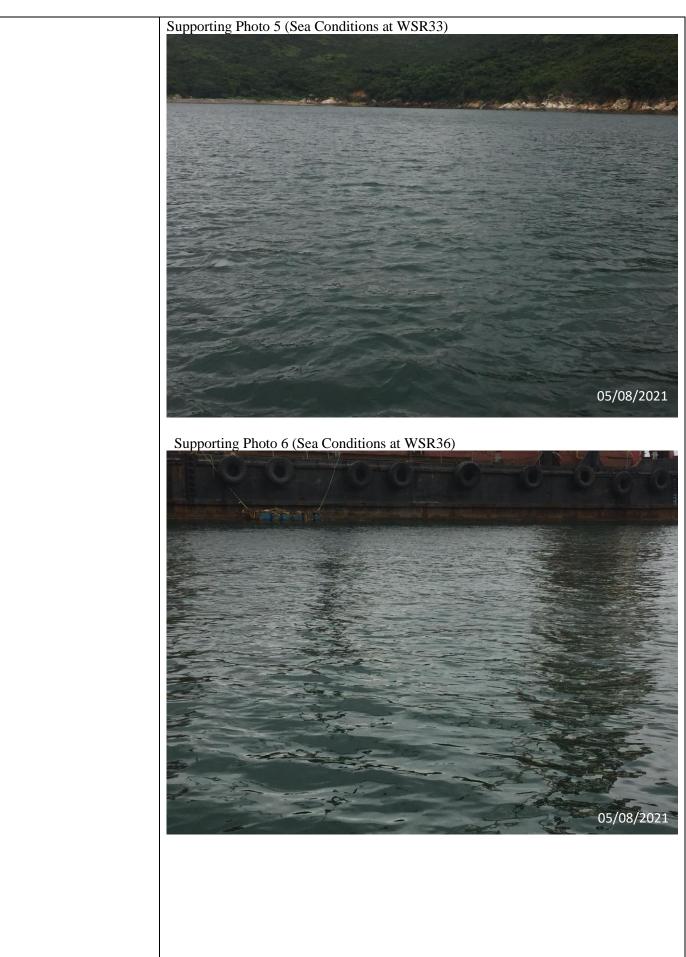
Monitoring Location	which concrete mix had set w placement for seabed levellir during diving activities. Ho highest when comparing wit had higher or similar SS leve WSR37). WSR3 was located affected by the marine cons level at WSR3 (7.0 mg/L) w (WSR36, 7.4 mg/L). In view and SS level, the SS exceeda from other natural factors. Accumulative rainfall reach observed on 05 August 2022 soil of the nearby lands (e.g. According to the field obse plume was observed in the P	with limited SS that would be ng. It would be expected that is wever, the SS level at WSF h other monitoring stations. el (9.3 mg/L) to stations immed d distant from the construction truction activities was expect was similar to station with is v of the inverse relation betwance is concluded not project hing 30mm over Joss-House 1. The rainfall may lead to r country park, fill bank). ervation by sampling team d project site on 05 August 202 silt curtain at the inland wa Ebb	blocks were in solid form of e generated during the manual limited SS would be generated An upstream station, WSR33, ediately downstream (WSR36, n site and the possibility to be ted limited. However, the SS marine construction activities ween distance to marine works there relevant and may be resulted as Bay (Tai Miu Wan) was elease of SS content from the uring sampling event, no silt 1. ter outfall was satisfactory on
		e e e e e e e e e e e e e e e e e e e	Key Visior Quality Monitoring Station Vision Quality Monitoring Station Example a to date of buildwarine Outful Kilomatres 1 2
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
	7.1 mg/L (WSR2) 8.3 mg/L (WSR3) 6.2 mg/L (WSR4) 5.2 mg/L (WSR16) 6.7 mg/L (WSR37)	3.3 mg/L (CE) 4.5 mg/L (CF)	5.0 mg/L (WSR1) 2.9 mg/L (WSR33) 3.5 mg/L (WSR36)

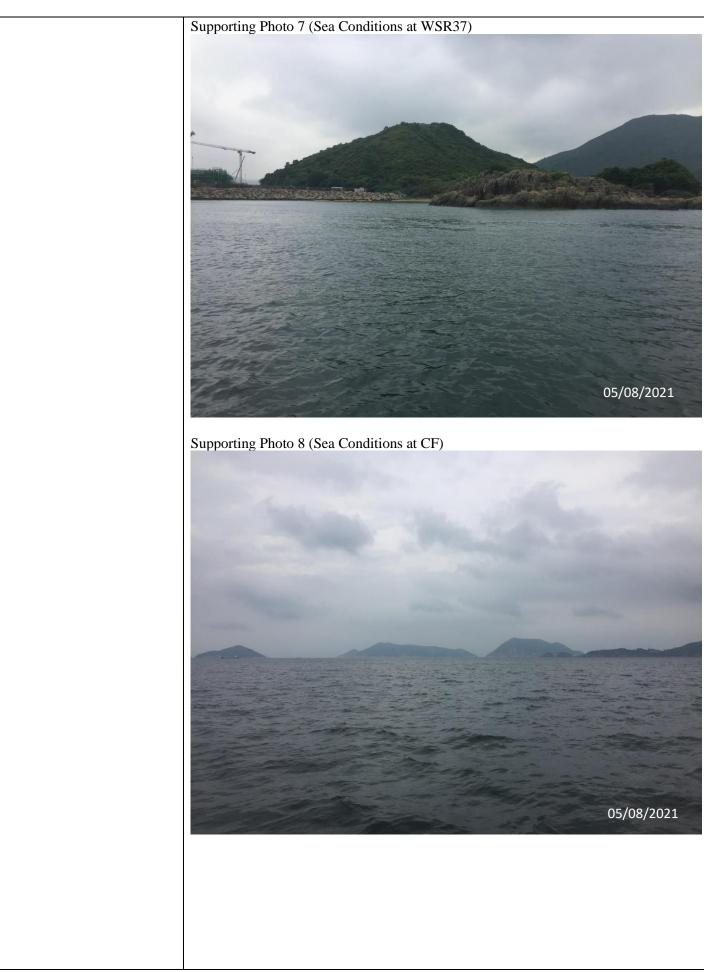
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: 1) Diver's checking on base condition and seabed levelling work (0800-1800hrs); 2) Lifting of concrete blocks for seabed levelling (1630-1800hrs)
	Intake Shaft Area: marine construction activities, namely 1) 610mm Ø pipe piling on temporary working platform (0800 - 1900 hrs); 2) lifting of 610mm Ø pipe piles (0800 - 1900 hrs)
	Marine construction activities with contact with water: 1) Diver's checking on base condition and seabed levelling work (0800-1800hrs); 2) Lifting of concrete blocks for seabed levelling (1630-1800hrs); 3) 610mm Ø pipe piling on temporary working platform (0800 – 1900 hrs)
	Marine vessels on 05 August 2021:
	 Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) Derrick barge x 1, tug boat x 1 (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 West to East at waters to the east side of Tit Cham Chau.
	The timeframe of general water sampling during mid-ebb tide on 05 August 2021 was between 08:36-12:06. As advised by the Water Sampling Team, the water sampling time at WSR37 during mid-flood tide was between 09:20-09:22. According to the work activities schedule provided by the Main Contractor, no lifting of concrete blocks for seabed levelling was conducted at the Outfall Shaft Area (WSR37) during water sampling. It would also be expected that limited SS would be generated during diving activities. The observed SS level at WSR37 may therefore suggests other possible factors may have caused the exceedance. No SS exceedance was observed at WSR36 (3.5 mg/L), where marine construction activities were conducted. The SS levels at stations which located distant from the construction site (WSR2, 7.1 mg/L; WSR3, 8.3 mg/L) were highest amongst other stations. SS level at station immediately downstream (WSR33, 2.9 mg/L) to marine construction activities at WSR36 was lower than WSR4 (6.2 mg/L). In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant and may be resulted from other natural factors.
	Accumulative rainfall reaching 30mm over Joss-House Bay (Tai Miu Wan) was observed on 05 August 2021. The rainfall may lead to release of SS content from the soil of the nearby lands (e.g. country park, fill bank).
	According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 05 August 2021.
	Conditions of the protective silt curtain at the inland water outfall was satisfactory on 05 August 2021.

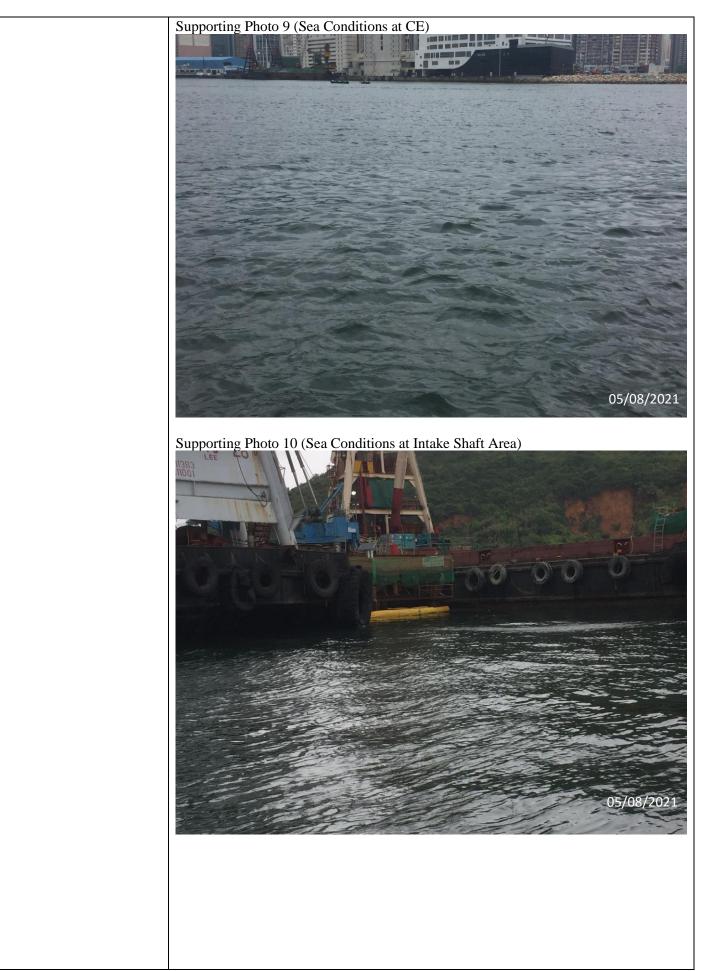


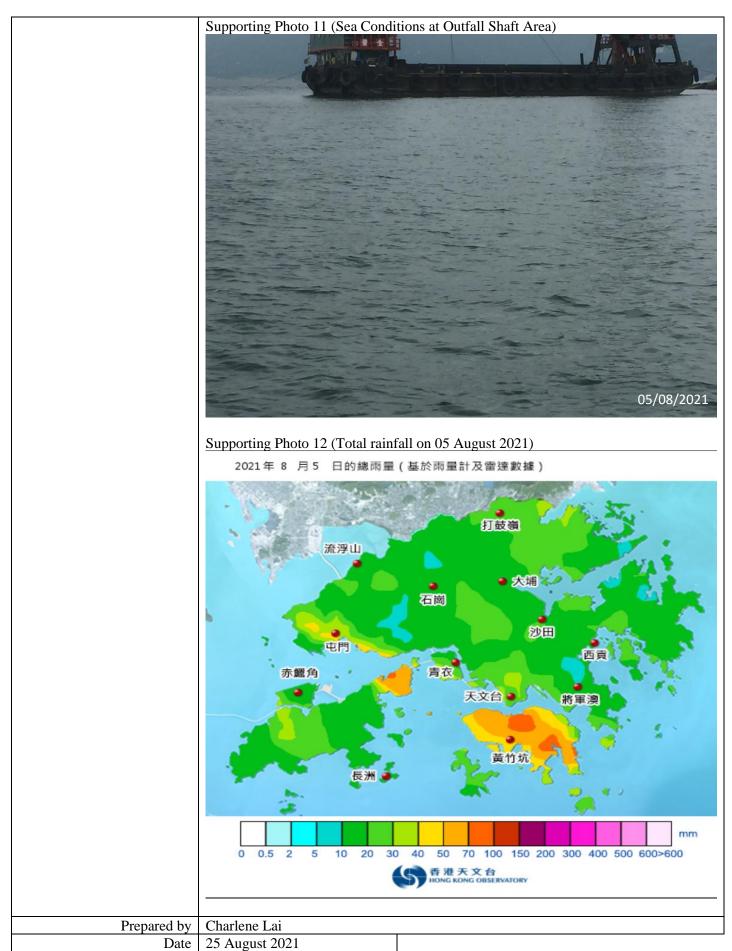






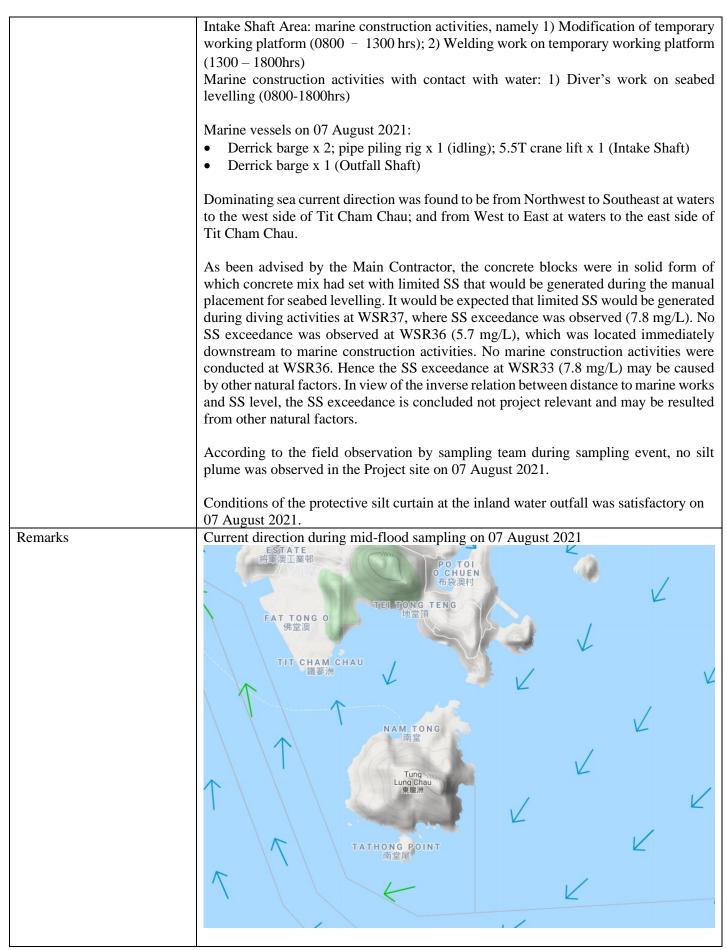


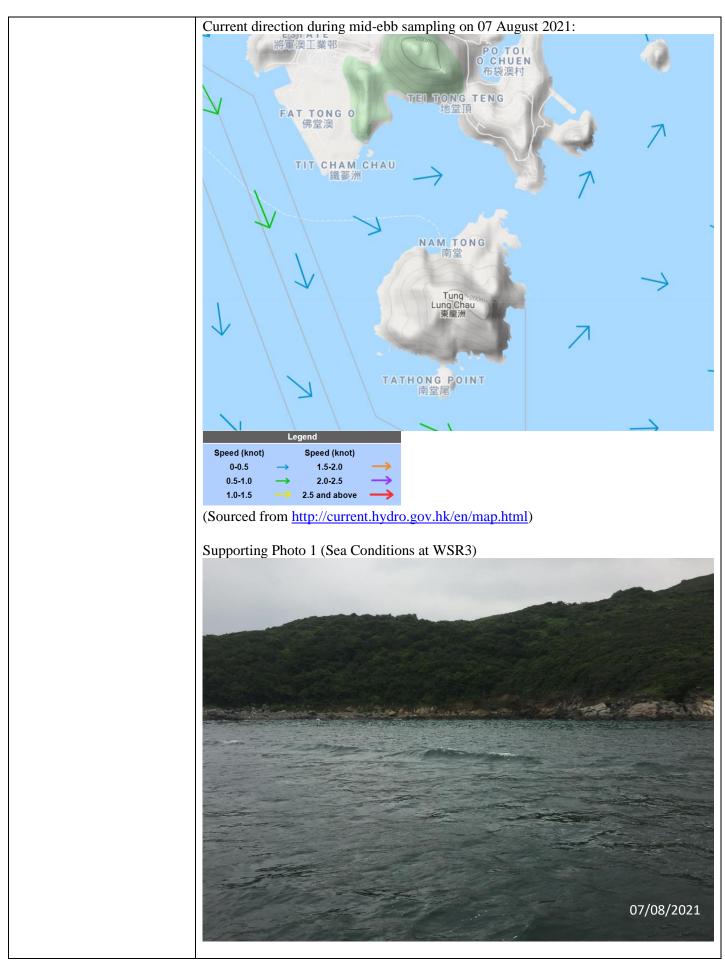


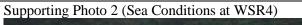


Project	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant			
Date	07 August 2021 (Lab result received on 12 August 2021)			
Time	17:00-19:00 (Mid-Flood) and 09:46-13:16 (Mid-Ebb)			
	Mid-Flood			
Monitoring Location	WSR3, WSR4, WSR16, WSR33, WSR37			
	HONG KONG ISLAND Tai Tam	Clear Water Bay	Image: State of the state	
Demonstern	G	0	1 2 Indicative Location of Submarine Outfe	
Parameter Action & Limit Levels	Suspended Solid (SS) Action Level	Limit Level		
Action & Linit Levels	> 5.0 mg/L	> 6.0 mg/L		
Measurement Level	Impact Station(s) of Exceedance 5.3 mg/L (WSR 3) 5.2 mg/L (WSR 4) 7.7 mg/L (WSR 16) 11.0 mg/L (WSR33) 8.0 mg/L (WSR 37)	Control Stations 3.8 mg/L (CF) 3.0 mg/L (CE)	Impact Station(s) without Exceedance 4.3 mg/L (WSR 1) 4.3 mg/L (WSR 2) 4.8 mg/L (WSR36)	
Possible reason for Action or Limit Level Non-compliance	 Outfall Shaft Area: 1) Diver's work on seabed levelling (0800-1800hrs) Intake Shaft Area: marine construction activities, namely 1) Modification of temporary working platform (0800 - 1300 hrs); 2) Welding work on temporary working platform (1300 - 1800hrs) Marine construction activities with contact with water: 1) Diver's work on seabed levelling (0800-1800hrs) Marine vessels on 07 August 2021: Derrick barge x 2; pipe piling rig x 1 (idling); 5.5T crane lift x 1 (Intake Shaft) Derrick barge x 1 (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. 			

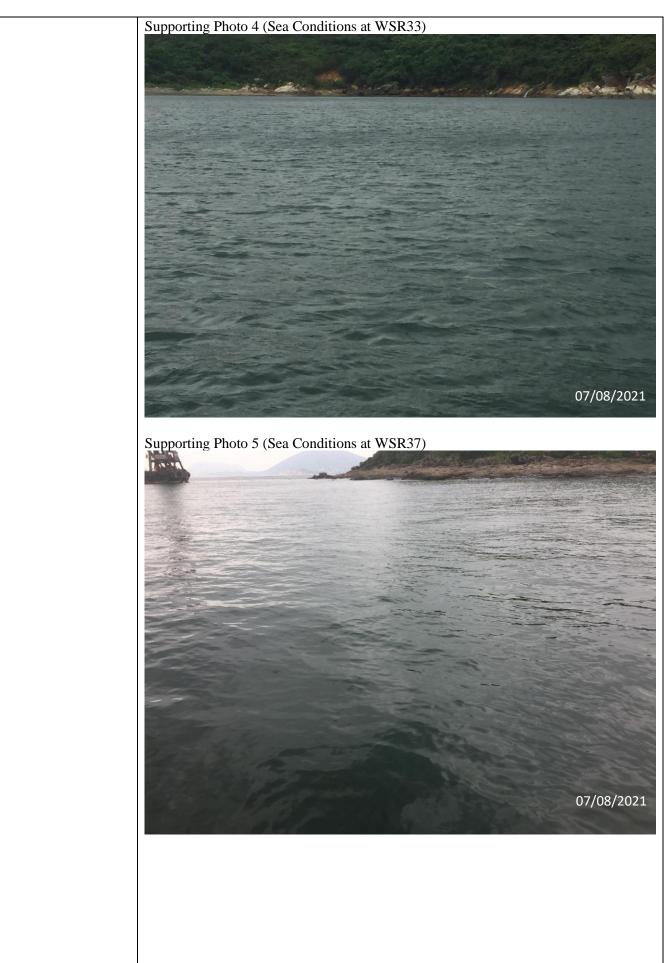
	As been advised by the Main Contractor, the concrete blocks were in solid form of which concrete mix had set with limited SS that would be generated during the manual placement for seabed levelling. It would be expected that limited SS would be generated during diving activities at WSR37, where SS exceedance was observed (8.0 mg/L). An upstream station, WSR33, had the highest SS (11.0 mg/L) comparing to other monitoring station that was at proximity to marine construction works (WSR37). The SS level at WSR36 (4.8 mg/L) was lower than stations further away from the construction site (WSR3, 5.3 mg/L; WSR16, 7.7 mg/L). WSR3 and WSR16 were located distant from the construction site and the possibility to be affected by the marine construction activities was expected limited. The SS level of WSR4 (5.2 mg/L) was similar to WSR3, which WSR3 located distant from the construction site. In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant and may be resulted from other natural factors.			
	plume was observed in the Project site on 07 August 2021.			
	Conditions of the protective silt curtain at the inland water outfall was satisfactory on 07 Amount 2021			
	07 August 2021. Mid-	Fbb		
Monitoring Location	WSR33, WSR37	200		
	HONG KONG ISLAND Tai Tam	With the second se	Clear Water Bay WSR3 WSR4 WSR4 Ung Chau Chau	Image: Second
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 Exceedance 9.2 mg/L (WSR33) 7.8 mg/L (WSR37)	Control Station 5.2 mg/L (CE) 5.3 mg/L (CF)	18	Impact Station(s) without Exceedance 5.2 mg/L (WSR1) 6.0 mg/L (WSR2) 6.0 mg/L (WSR3) 4.8 mg/L (WSR4) 5.7 mg/L (WSR16) 5.7 mg/L (WSR36)
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: 1) Diver	's work on seabe	d levelling (0	

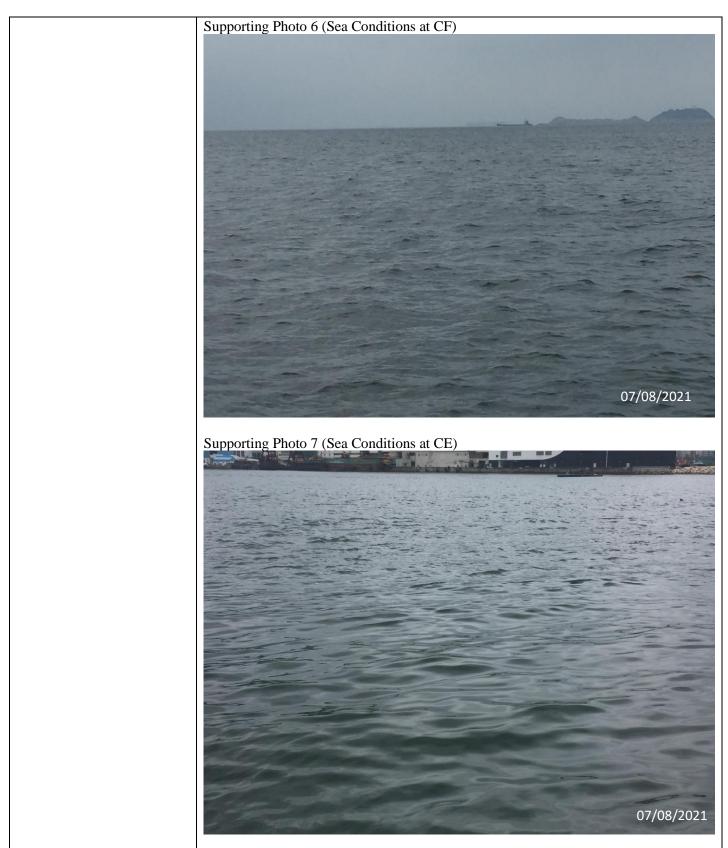


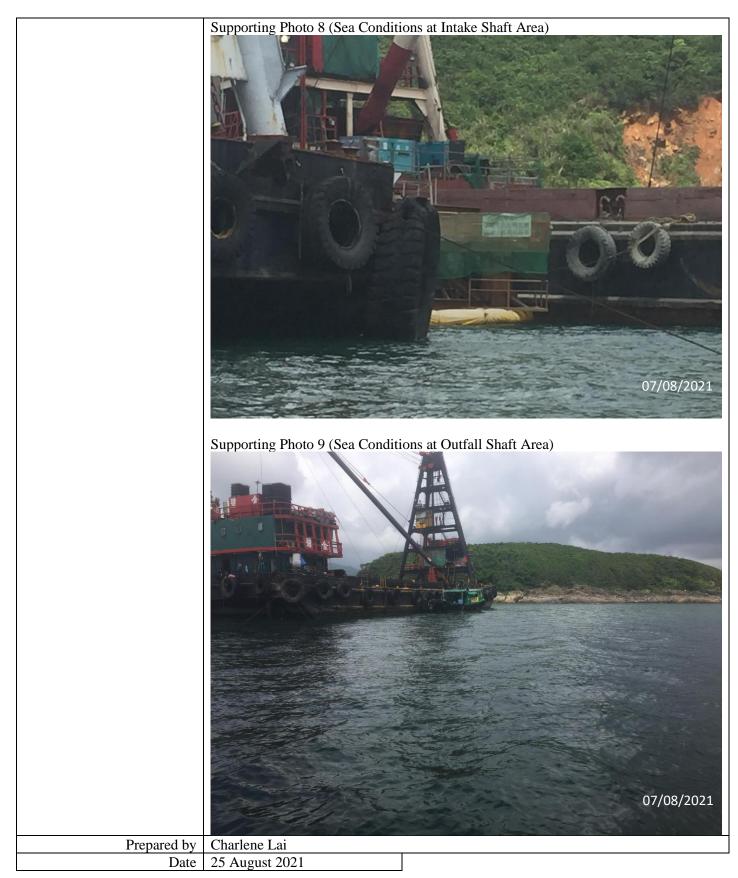




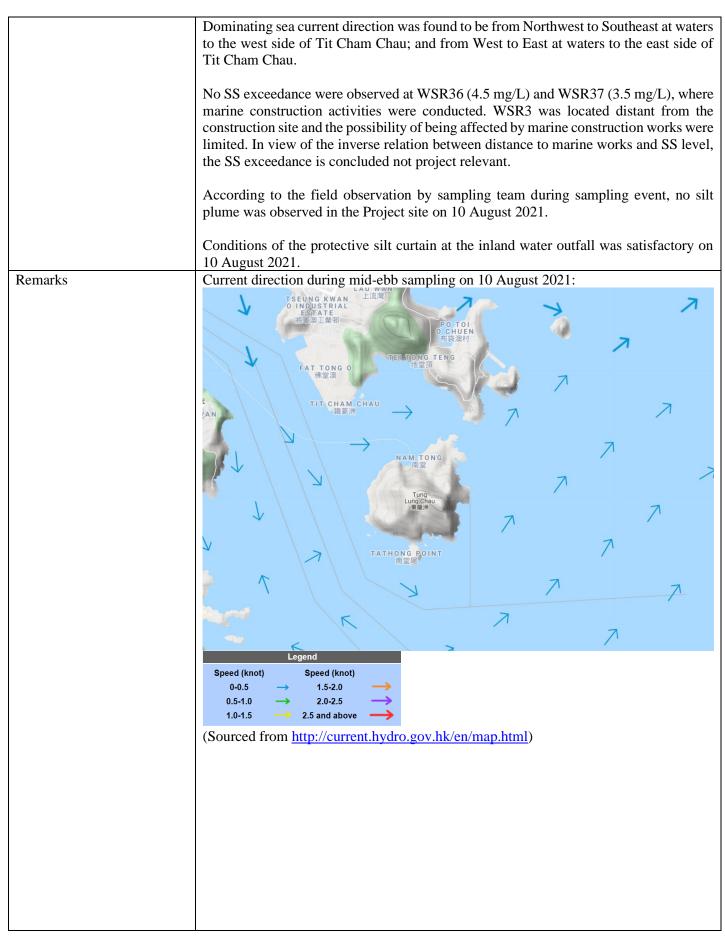




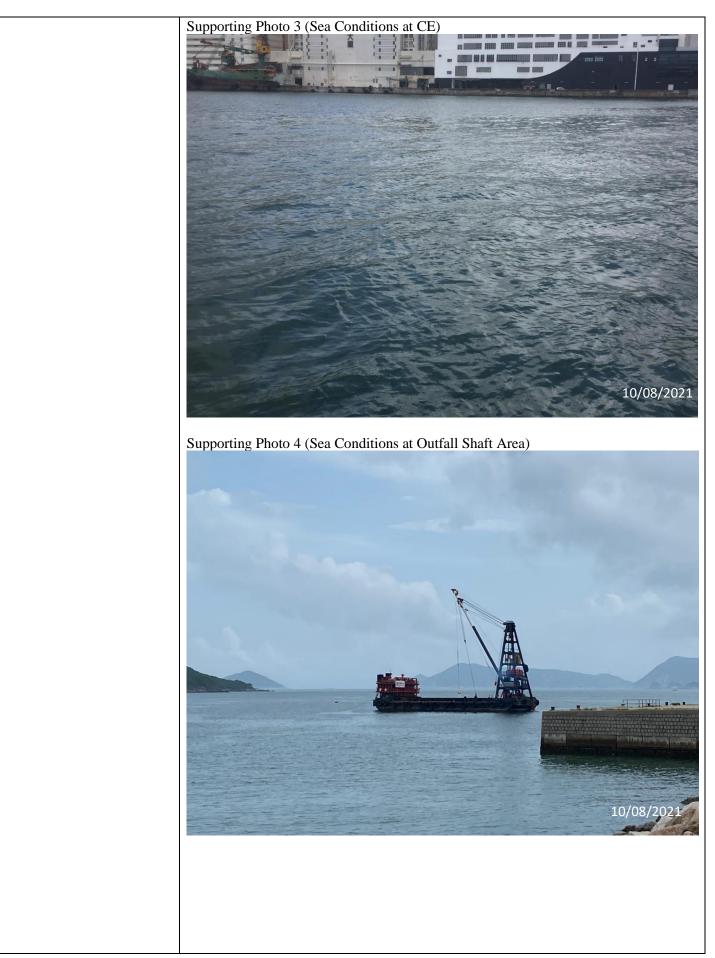


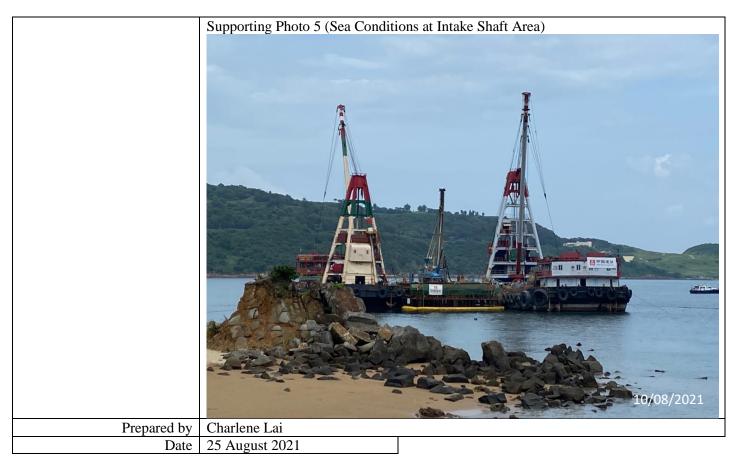


Project	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant			
Date	10 August 2021 (Lab result received on 13 August 2021)			
Time	17:23-19:00 (Mid-Flood) and 11:49-15:19 (Mid-Ebb)			
	Mid-Ebb			
Monitoring Location	WSR3			
	HONG KONG ISLAND Tai Tam Big Nine Bay	Lu	Not Carly Monoreg State Not Carly Monoreg St	
Deverator	Sugnan dad Calid (SS)			
Parameter Action & Limit Levels	Suspended Solid (SS) Action Level	Limit	Laval	
Action & Linnt Levels				
Measurement Level	> 5.0 mg/L Impact Station(s) of	> 6.0 Control Stations	Impact Station(s) without	
Measurement Lever	Exceedance	Control Stations	Exceedance	
		2 9		
	5.4 mg/L (WSR3)	2.8 mg/L (CF) 2.9 mg/L (CE)	4.0 mg/L (WSR1) 4.1 mg/L (WSR2) 2.9 mg/L (WSR4) 4.6 mg/L (WSR16) 4.3 mg/L (WSR33) 4.5 mg/L (WSR36) 3.5 mg/L (WSR37)	
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: marine construction activities, namely 1) Diver's work on seabed levelling and placement of bagged concrete (0800 – 1800 hrs) Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform (0800-1800hrs); 2) lifting of 610mm Ø pipe piles (0800 1800 hrs)			
		gged concrete (0800 -	water: 1) Diver's work on seabed – 1800 hrs); 2) pipe piling of 610mm	
	 Marine vessels on 10 August 2021: Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) Derrick barge x 1 (outfall Shaft) 			

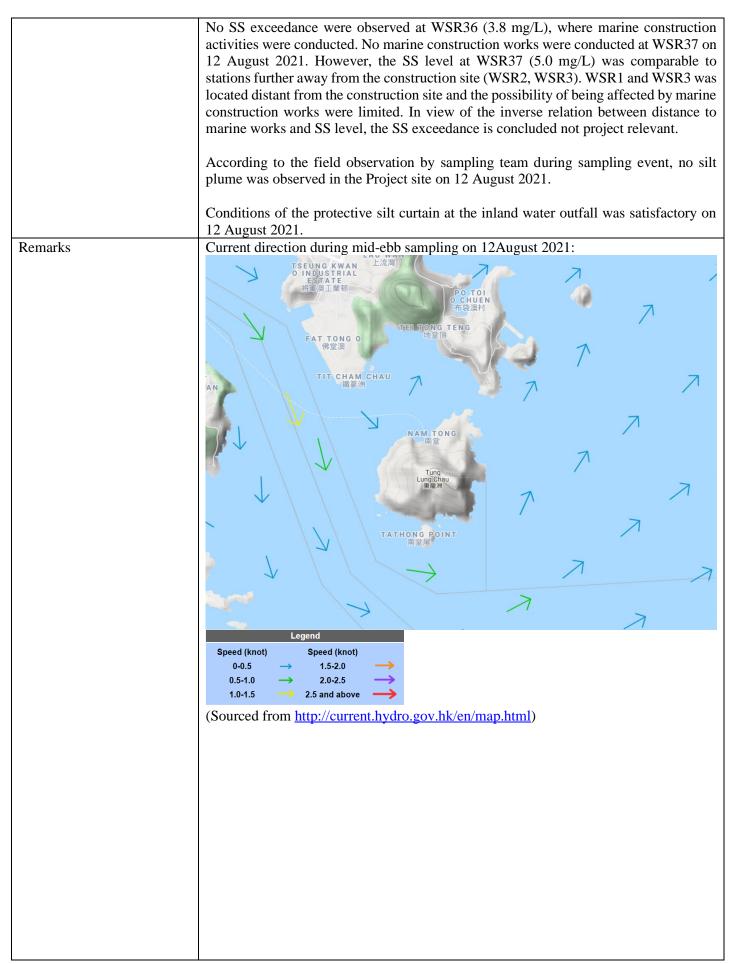


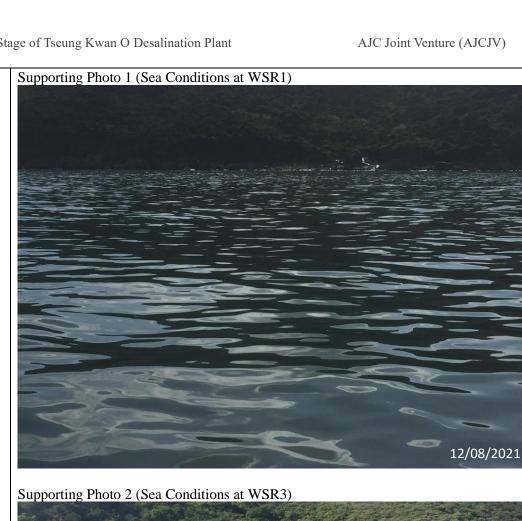


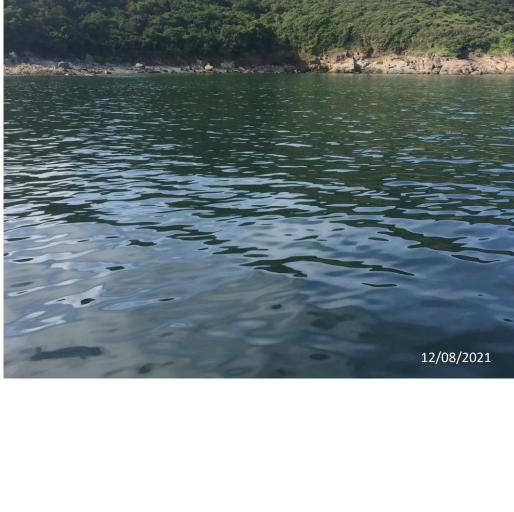




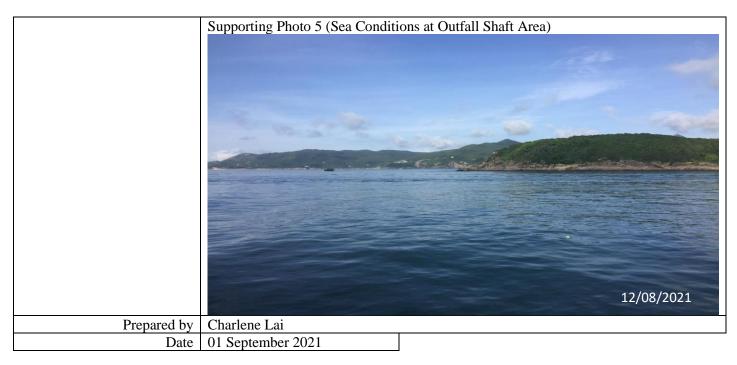
Project Date Time Monitoring Location	12 August 2021 (Lab result re 08:00-10:42 (Mid-Flood) and Mid-F WSR1, WSR3	l 12:47-16:17 (Mid-Ebb)	
Time	08:00-10:42 (Mid-Flood) and Mid-E WSR1, WSR3	l 12:47-16:17 (Mid-Ebb)	
	Mid-E WSR1, WSR3		
Monitoring Location			
	HONG KONG ISLAND Tai Tam	Clear Water Bay WSR37 WS	
	- Char	¢.	N Kilometres 1 2 Indicative Location of Submarine Outsi
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level	Limit Level	
Measurement Level	> 5.0 mg/L Impact Station(s) of Exceedance 6.5 mg/L (WSR1) 5.2 mg/L (WSR3)	> 6.0 mg/L Control Stations 4.1 mg/L (CF) 3.5 mg/L (CE)	Impact Station(s) without Exceedance 5.0 mg/L (WSR2) 3.0 mg/L (WSR4) 3.7 mg/L (WSR16) 3.3 mg/L (WSR33) 3.8 mg/L (WSR36) 5.0 mg/L (WSR37)
Possible reason for Action or Limit Level Non-compliance	 Outfall Shaft Area: marine construction activities, namely 1) derrick barge idling for repair of winch system (0800 - 1200 hrs); 2) derrick barge towed back to Outfall area (1200-1330) Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform (0800-1800hrs); 2) lifting of 610mm Ø pipe piles (0800-1800 hrs) Marine construction activities with contact with water: 1) pipe piling of 610mm Ø on temporary working platform (0800-1800hrs) Marine vessels on 12 August 2021: Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) Derrick barge x 2, tug boat x 1 (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 West to East at waters to the east side of Tit Cham Chau. 		





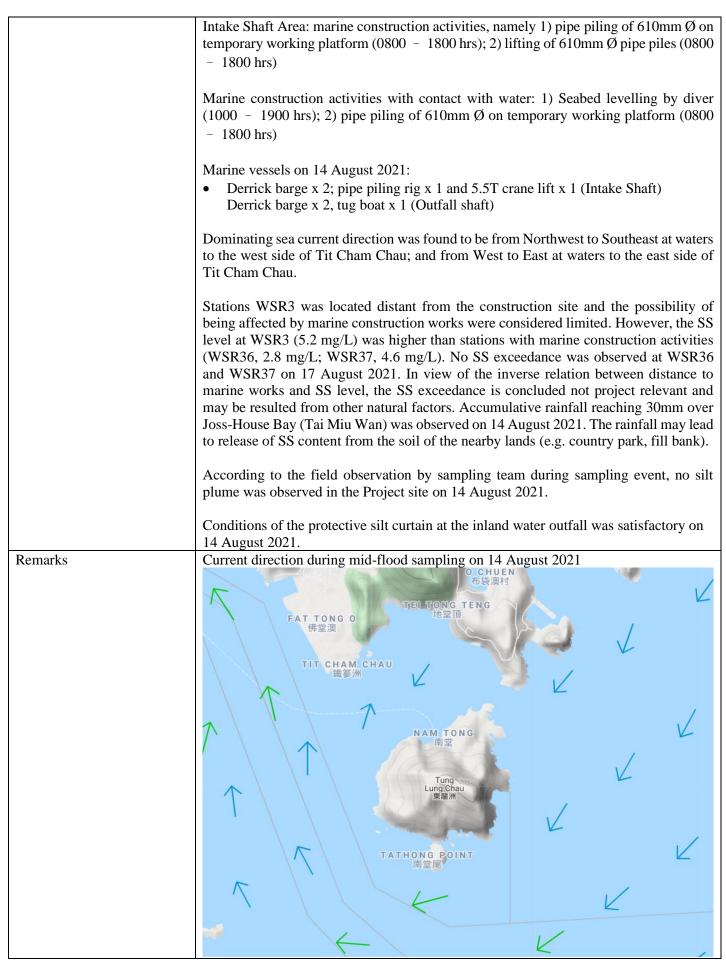


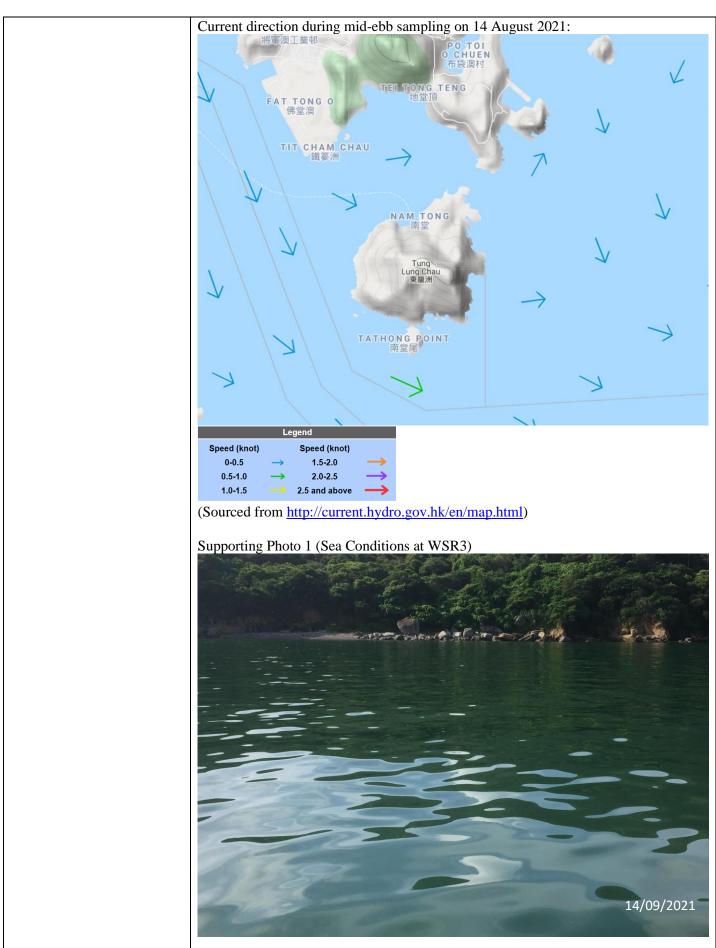


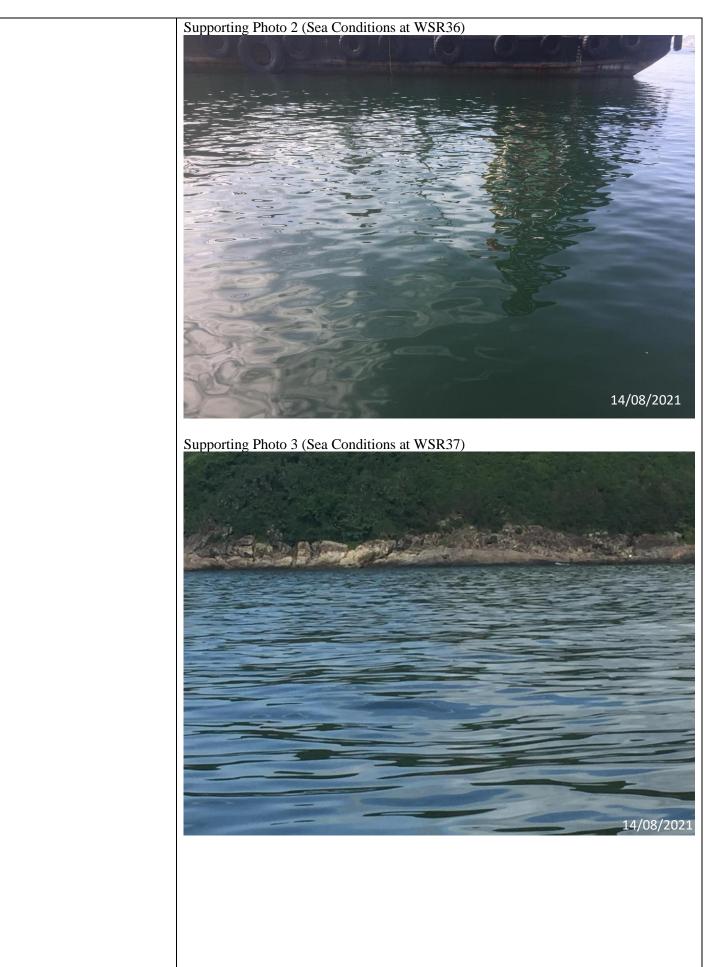


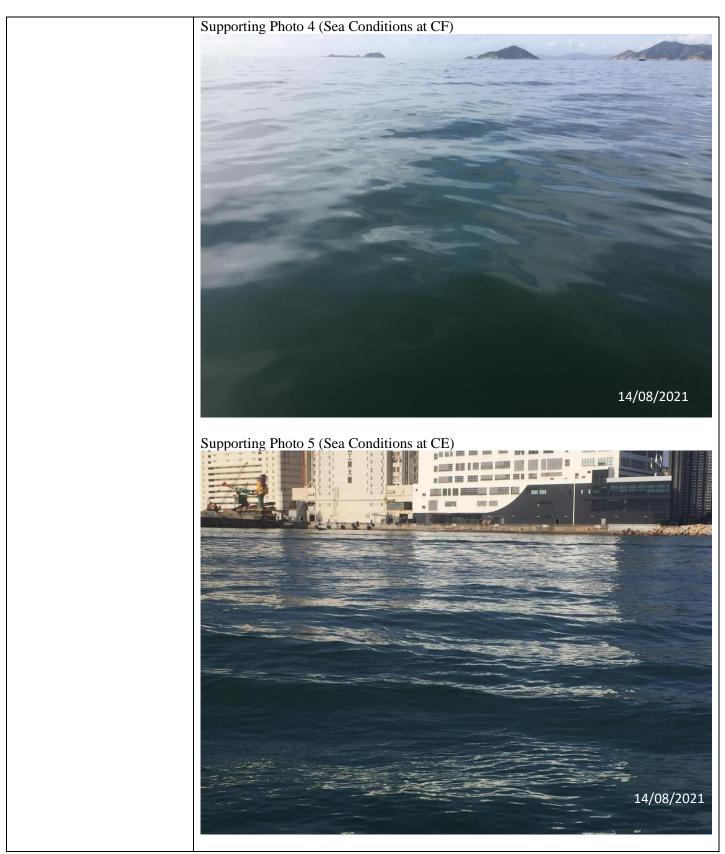
Project	Design, Build and Operate Fi	rst Stage of Tseung Kwan O	Desalination Plant	
Date	14 August 2021 (Lab result received on 18 August 2021)			
Time	08:45-12:15 (Mid-Flood) and 14:50-18:20 (Mid-Ebb)			
	Mid-Fl			
Monitoring Location	WSR33, WSR36			
	HONG KONG ISLAND Tail Tam Big Wave Bay	Clear Water Bay	Key Wara Qualty Monitoring Station With The Statistics Print	
		¢.	N Kilometres 1 2	
Parameter	Suspended Solid (SS)			
Action & Limit Levels	Action Level	Limit Level		
	> 6.1 mg/L	> 6.6 mg/L		
Measurement Level	Impact Station(s) of	Control Stations	Impact Station(s) without	
	Exceedance		Exceedance	
	6.7 mg/L (WSR33)	5.1 mg/L (CF)	2.6 mg/L (WSR 1)	
	8.8 mg/L (WSR36)	2.6 mg/L (CE)	3.8 mg/L (WSR 2)	
			5.1 mg/L (WSR 3)	
			3.3 mg/L (WSR 4)	
			5.0 mg/L (WSR 16)	
			4.0 mg/L (WSR 37)	
Possible reason for Action or	Outfall Shaft Area: 1) Diver ³			
Limit Level Non-compliance	2) Seabed levelling by diver (1000 - 1900 hrs); 3) Welding work inside the hopper of a derrick barge (0800 - 1800 hrs)			
	Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform (0800 – 1800 hrs); 2) lifting of 610mm Ø pipe piles (0800 – 1800 hrs)			
	Marine construction activities with contact with water: 1) Seabed levelling by diver (1000 - 1900 hrs); 2) pipe piling of 610mm Ø on temporary working platform (0800 - 1800 hrs)			
	 Marine vessels on 14 August 2021: Derrick barge x 2; pipe piling rig x 1 and 5.5T crane lift x 1 (Intake Shaft) Derrick barge x 2, tug boat x 1 (Outfall shaft) 			

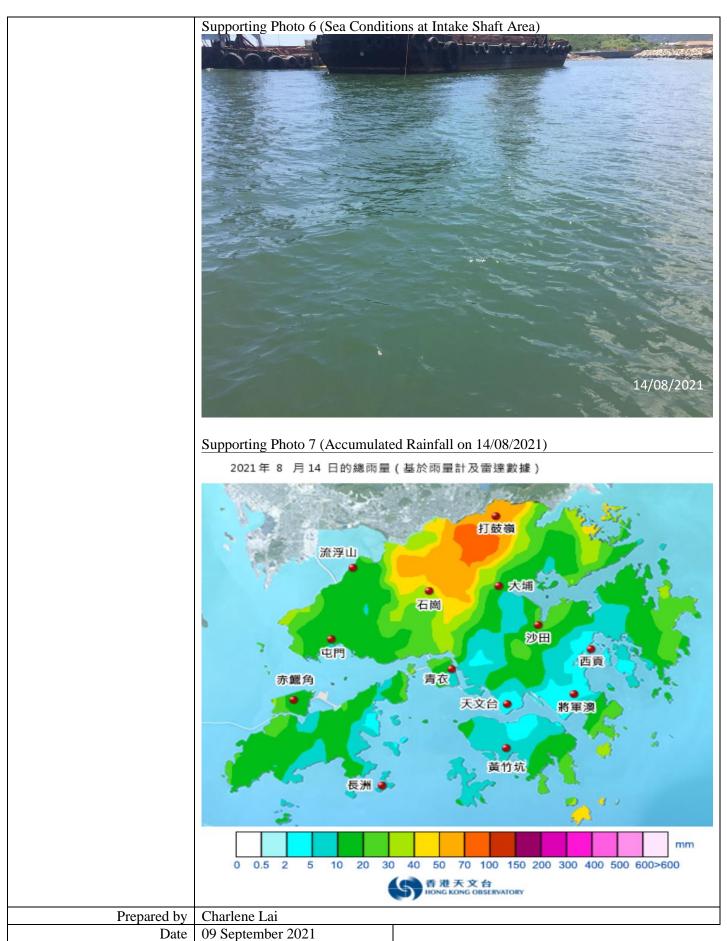
	to the west side of Tit Char east side of Tit Cham Chau. No SS exceedance was obs activities were conducted. flood tide. However, the SS was comparable to backgroud during mid-flood tide but no suggested that other natural WSR36. Accumulative rain was observed on 14 August the soil of the nearby lands of According to the field obset	ction was found to be from Sound to be from Sound to be from Sound to he from Northeast to served at WSR37 (4.0 mg/L). WSR37 was located downstress level at WSR37 was lower and SS level at CF (5.1 mg/L). Noted with SS exceedance (6.7 mfactors may have caused the S fall reaching 30mm over Jos 2021. The rainfall may lead to (e.g. country park, fill bank).	to Southwest at waters to the b, where marine construction eam to WSR36 during mid- than WSR36 (8.8 mg/L) and WSR33 was located upstream ng/L). The observed SS level SS exceedance at WSR33 and s-House Bay (Tai Miu Wan) to release of SS content from uring sampling event, no silt
	plume was observed in the Project site on 14 August 2021.		
	Conditions of the protective 14 August 2021.	e silt curtain at the inland wat	er outfall was satisfactory on
	Mid-	Ebb	
Monitoring Location	WSR3	Clear Water Bay WSR33 WSR37 WSR33 WSR35 WS	
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level	Limit Level	
Measurement Level	> 5.0 mg/L Impact Station(s) of Exceedance 5.2 mg/L (WSR3)	> 6.0 mg/L Control Stations 3.0 mg/L (CE) 6.4 mg/L (CF)	Impact Station(s) without Exceedance 2.7 mg/L (WSR1) 3.8 mg/L (WSR2) 3.3 mg/L (WSR4) 3.0 mg/L (WSR4) 3.0 mg/L (WSR33) 2.8 mg/L (WSR36) 4.6 mg/L (WSR37)
Possible reason for Action or Limit Level Non-compliance		r's work stopped due to thund (1000 – 1900 hrs); 3) Weld 20 hrs)	lerstorm (0800 - 1000 hrs);







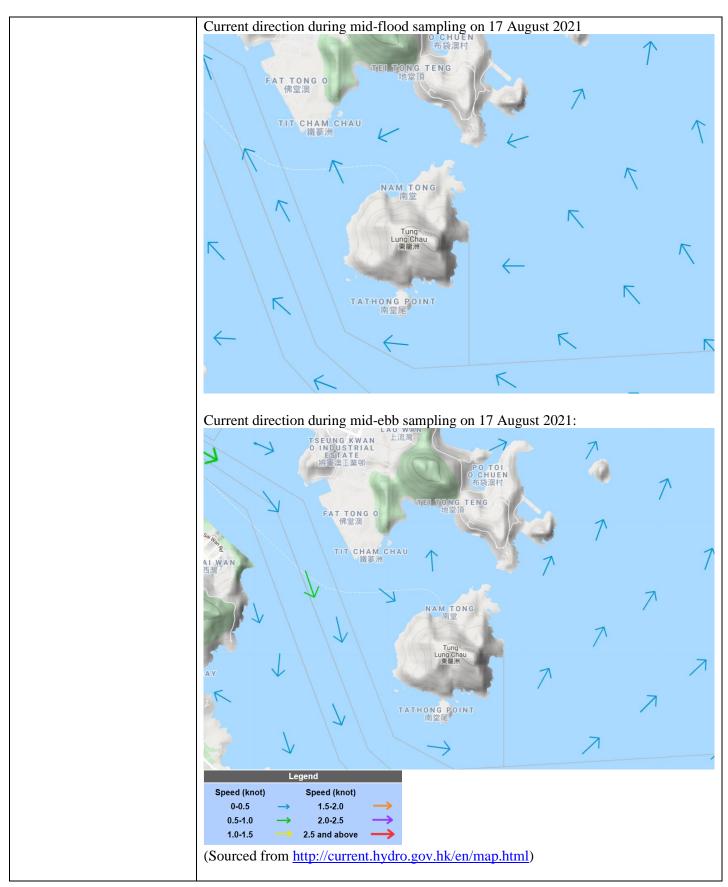




7 August 2021 (Lab result ro 3:04-16:34 (Mid-Flood) and Mid-Fl VSR2, WSR3, WSR4, WSR tong Kong IsLand Tai Tam Big Nove Big Nove	1 08:00-10:39 (Mid- lood 116, WSR33, WSR3 Cle Water Works	-Ebb) 66, WSR37	Image: Second Secon	
Mid-Fl /SR2, WSR3, WSR4, WSR	lood 116, WSR33, WSR3 Cle Water VIIII VIIII VIIIII VIIIII VIIIII VIIIII VIIIII VIIIII VIIIII VIIIII VIIIIII VIIIII VIIIIIIII	B6, WSR37	Weser Quality Monitoring Station Earmarked Site for Desalination Plant Study area for slope mitigation works	
IONG KONG ISLAND Tai Tam Uspended Solid (SS) ction Level	Cle Water NF1 NF2 NF3 NF1 NF2 NF3	ear r Bay WSR4	Weiser Quality Monitoring Station Earmarked Site for Desailnation Plant Study area for slope mitigation works	
tong kong island Tai Tam Uspended Solid (SS) ction Level	Cie Water Vision NF1 NF2 NF3	ear r Bay WSR4	Weiser Quality Monitoring Station Earmarked Site for Desailnation Plant Study area for slope mitigation works	
Tai Tam Big Were Boy uspended Solid (SS) ction Level	Water Vision NFI NFI NFI NFI NFI NFI NFI NFI NFI NFI	WSH4	Weser Quality Monitoring Station Earmarked Site for Desalination Plant Study area for slope mitigation works	
ction Level		C N Kitemetres	Earmarked Site for Desalination Plant	
ction Level	Lim			
	L im			
5.0 mg/L		nit Level		
npact Station(s) of xceedance	Control Stations	·	act Station(s) without eedance	
8 mg/L (WSR 2) 3 mg/L (WSR 3) 3 mg/L (WSR 4) 7 mg/L (WSR 16) 8 mg/L (WSR33) 2 mg/L (WSR36) 3 mg/L (WSR 37)	3.1 mg/L (CF) 7.3 mg/L (CE)	3.4	mg/L (WSR 1)	
 6.3 mg/L (WSR 37) Outfall Shaft Area: 1) Crane barge was towed in position at shaft location (0800 - 1000 hrs); 2) The derrick barge was towed out of the Outfall area (1000 - 1100 hrs); 3) The derrick barge holding the steel caisson was towed in position at shaft location (1100 - 1200 hrs); 4) Crane barge lifted the steel caisson from the derrick barge and placed onto the shaft position (1200 - 2100 hrs); 5) The derrick barge after the caisson removed, was towed out of the Outfall area (1300 - 1400 hrs); 6) Diver's work to check successful caisson installation (1800 - 2100 hrs) Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform (0800 - 1900 hrs); 2) lifting of 610mm Ø pipe piles (0800 - 1900 hrs) Marine construction activities with contact with water: 1) Crane barge lifted the steel caisson from the derrick barge and placed onto the shaft position (1200 - 2100 hrs); 2) Diver's work to check successful caisson installation (1800 - 2100 hrs); 3) pipe piling 				
u s 2(a ic ic n ta	tfall Shaft Area: 1) Crane (; 2) The derrick barge wa rick barge holding the stee ()0 hrs); 4) Crane barge lift shaft position (1200 – 2 s towed out of the Outfa cessful caisson installation ake Shaft Area: marine comporary working platform 1900 hrs) rine construction activitie	tfall Shaft Area: 1) Crane barge was towed in); 2) The derrick barge was towed out of the (rick barge holding the steel caisson was towe)0 hrs); 4) Crane barge lifted the steel caisson shaft position (1200 – 2100 hrs); 5) The de s towed out of the Outfall area (1300 – cessful caisson installation (1800 – 2100 hrs) ake Shaft Area: marine construction activities aporary working platform (0800 – 1900 hrs); 1900 hrs) rine construction activities with contact with sson from the derrick barge and placed onto t	tfall Shaft Area: 1) Crane barge was towed in position at shaft (100); 2) The derrick barge was towed out of the Outfall area (100) rick barge holding the steel caisson was towed in position at s (100) rick barge holding the steel caisson was towed in position at s (100) rick barge holding the steel caisson was towed in position at s (100) rick barge holding the steel caisson was towed in position at s (100) rick barge holding the steel caisson was towed in position at s (1200 - 2100 hrs); 5) The derrick barge after (1300 - 1400 hrs); 6) D cessful caisson installation (1800 - 2100 hrs) ake Shaft Area: marine construction activities, namely 1) pipe porary working platform (0800 - 1900 hrs); 2) lifting of 6100 (1900 hrs) rine construction activities with contact with water: 1) Crane sson from the derrick barge and placed onto the shaft position	

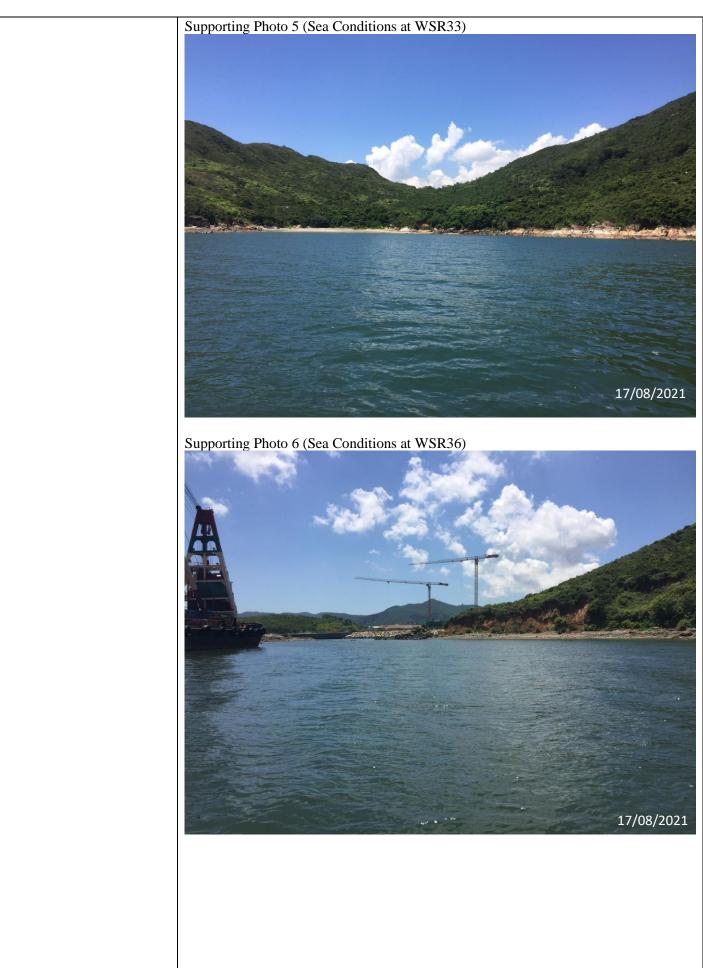
Monitoring Location	 Derrick barge x 2, crand Dominating sea current dire to the west side of Tit Cha east side of Tit Cham Chau Stations WSR2, WSR3 and the possibility of being affe However, the SS levels at comparable to stations with 6.3 mg/L). WSR4 was locat (7.3 mg/L) was higher than mg/L) was same to station V background SS level at CE stations. In view of the inver the SS exceedance is conclu- According to the field obs plume was observed in the Conditions of the protective 17 August 2021. Mid- WSR2, WSR3, WSR4, WS 	piling rig x 1 and 5.5T cra e barge x 1, tug boat x 1, ar ection was found to be from m Chau; and from Northes WSR16 were located dista cted by marine construction WSR3 (6.3 mg/L) and W3 marine construction activi ed upstream during mid-flo that of WSR36 and WSR WSR2 which located distan (7.3 mg/L) was comparable erse relation between distanuded not project relevant. ervation by sampling team Project site on 17 August 2 e silt curtain at the inland -Ebb	nchor boat x 1 (Outfall shaft) Southeast to Northwest at waters ast to Southwest at waters to the ant from the construction site and n works were considered limited. SR16 (8.7 mg/L) were higher or ties (WSR36, 6.2 mg/L; WSR37, bod tide but the SS level at WSR4 37. The SS level at WSR33 (5.8 at from the construction site. The e or higher than other monitoring ice to marine works and SS level, an during sampling event, no silt
	Tai Tam	Tung Lung Chau	and the second se
		م م •	Kor N References 1 2
Parameter	Suspended Solid (SS)	د ج 1	Weter Quality Monitoring Station Image: Non-International State of Desail nation N
Parameter Action & Limit Levels	Suspended Solid (SS) Action Level	Limit Lev	N N Klemetres 2
Parameter Action & Limit Levels	Action Level	Limit Lev	Kilometres 1 2
Action & Limit Levels	Action Level > 6.6 mg/L	> 7.2 mg/	Videometrees 1 2 Velocities Location of Biochamics Outline Molecular of Biochamics Outline Molecular of Biochamics Outline Molecular of Biochamics Outline Velocities Location of Biochamics Outline Velocities Content of Biochamics Outline Content of Bioc
	Action Level > 6.6 mg/L Impact Station(s) of		Vel Vel Vel Vel Vel Vel Vel Vel
Action & Limit Levels	Action Level > 6.6 mg/L Impact Station(s) of Exceedance	> 7.2 mg/	Vec Lady Motion Bloom Notes and Notes and Notes Notes and Notes Notes Notes and Notes Notes Notes and Notes Not
Action & Limit Levels	Action Level > 6.6 mg/L Impact Station(s) of Exceedance 7.3 mg/L (WSR2)	<pre>> 7.2 mg/ Control Stations 5.5 mg/L (CE)</pre>	Vele Vel Vel Vel Vel Vel Vel Vel Vel Vel
Action & Limit Levels	Action Level > 6.6 mg/L Impact Station(s) of Exceedance 7.3 mg/L (WSR2) 7.0 mg/L (WSR3)	> 7.2 mg/	Vel L Impact Station(s) without Exceedance 6.2 mg/L (WSR1) 5.5 mg/L (WSR16)
Action & Limit Levels	Action Level > 6.6 mg/L Impact Station(s) of Exceedance 7.3 mg/L (WSR2)	<pre>> 7.2 mg/ Control Stations 5.5 mg/L (CE)</pre>	Vele Vel Vel Vel Vel Vel Vel Vel Vel Vel

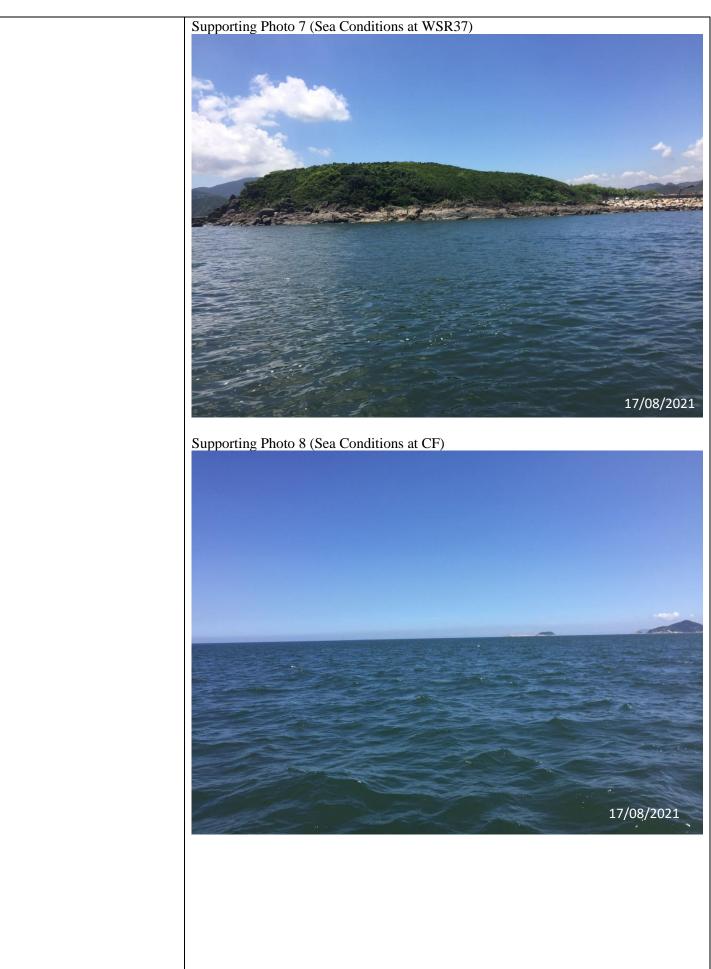
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: 1) Crane barge was towed in position at shaft location (0800 - 1000 hrs); 2) The derrick barge was towed out of the Outfall area (1000 - 1100 hrs); 3) The derrick barge holding the steel caisson was towed in position at shaft location (1100 -
	1200 hrs); 4) Crane barge lifted the steel caisson from the derrick barge and placed onto
	the shaft position $(1200 - 2100 \text{ hrs})$; 5) The derrick barge after the caisson removed,
	was towed out of the Outfall area (1300 - 1400 hrs); 6) Diver's work to check successful caisson installation (1800 - 2100 hrs)
	Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform (0800 – 1900 hrs); 2) lifting of 610mm Ø pipe piles (0800 – 1900 hrs)
	Marine construction activities with contact with water: 1) Crane barge lifted the steel caisson from the derrick barge and placed onto the shaft position $(1200 - 2100 \text{ hrs})$; 2) Diver's work to check successful caisson installation $(1800 - 2100 \text{ hrs})$; 3) pipe piling of 610mm Ø on temporary working platform $(0800 - 1900 \text{ hrs})$
	 Marine vessels on 17 August 2021: Derrick barge x 2; pipe piling rig x 1 and 5.5T crane lift x 1 (Intake Shaft) Derrick barge x 2, crane barge x 1, tug boat x 1, anchor boat x 1 (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 West to East 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 works were considered limited. However, the SS level at WSR2 (7.3 mg/L), WSR3 (7.0 mg/L) and WSR4 (7.0 mg/L) was higher than stations with marine construction activities (WSR36, 6.4 mg/L; WSR37, 6.8 mg/L). No SS exceedance was observed at WSR36, which located downstream to WSR37 during mid-ebb tide and marine construction activities were conducted on 17 August 2021. In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant.
	According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 17 August 2021.
	Conditions of the protective silt curtain at the inland water outfall was satisfactory on 17 August 2021.
Remarks	

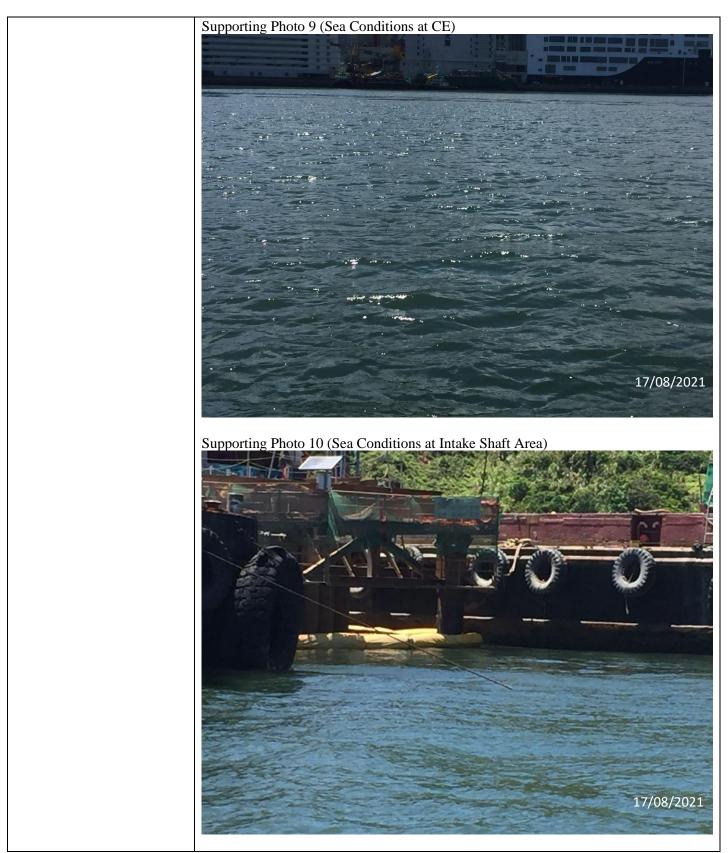






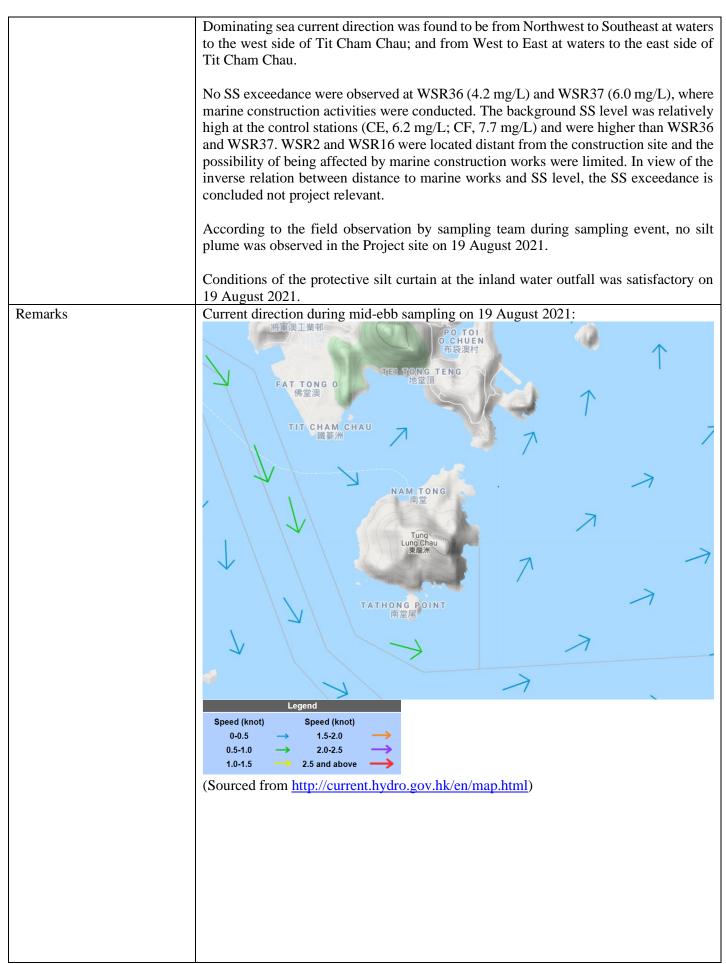


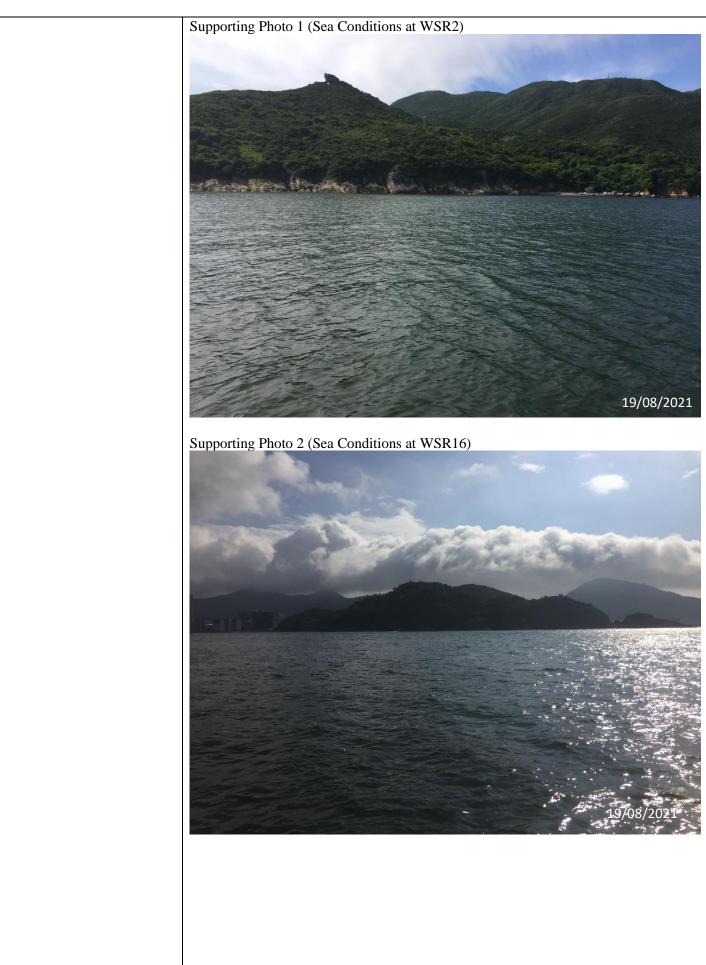


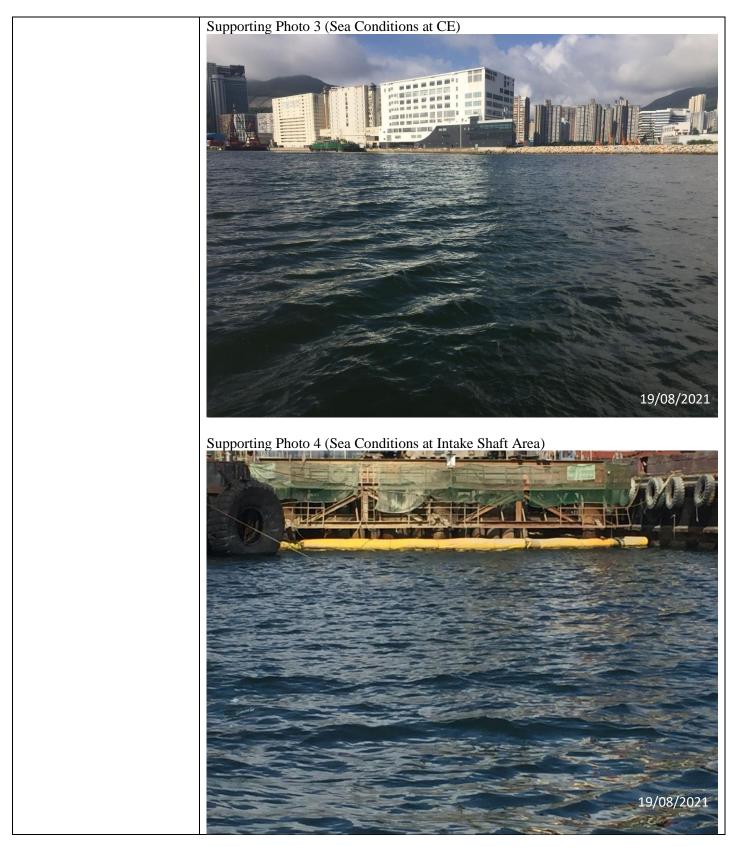




Project	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant			
Date	19 August 2021 (Lab result received on 25 August 2021)			
Time	15:48-19:00 (Mid-Flood) and 08:11-11:41 (Mid-Ebb)			
	Mid-E			
Monitoring Location	WSR2, WSR16			
	HONG KONG ISLAND Tai Tam	Clear Water Bay WSR30 WSR30 WSR30 WSR30 WSR40 WS	Key Wire Cashy Monteing Strain Provide the Deal Print of the Dea	
		0	Kilometres Indicative Location of Seawater Intake	
Parameter	Suspended Solid (SS)			
Action & Limit Levels	Action Level	Limit Level		
	> 7.4 mg/L	> 8.0 mg/L		
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance	
	7.5 mg/L (WSR2) 8.7 mg/L (WSR16)	7.7 mg/L (CF) 6.2 mg/L (CE)	4.8 mg/L (WSR1) 4.8 mg/L (WSR3) 5.8 mg/L (WSR4) 6.0 mg/L (WSR33) 4.2 mg/L (WSR36) 6.0 mg/L (WSR37)	
Possible reason for Action or Limit Level Non-compliance		caisson (0800 - 1800 hrs); 2	(1) derrick barge supported (2) laying of geotextile sheeting (0 hrs)	
	Intake Shaft Area: marine construction activities, namely 1) pipe piling of 6 temporary working platform (0800-1900 hrs); 2) lifting of 610mm Ø pipe 1900 hrs); 3) one derrick barge was towed to Intake area (0800 - 1100 hrs) work inside the hopper of a derrick barge (1100-1800 hrs)		of 610mm Ø pipe piles (0800- 0800 – 1100 hrs); 4) welding	
	Marine construction activities with contact with water: 1) laying of geotextile sheeting inside the bottom of steel caisson by divers (1000 - 1600 hrs); 2) pipe piling of 610mm Ø on temporary working platform (0800-1900 hrs)			
	 Marine vessels on 19 August Derrick barge x 3; pipe p Derrick barge x 1 (Outfall) 	iling rig x 1; 5.5T crane lift x	x 1, tug boat x 1 (Intake Shaft)	



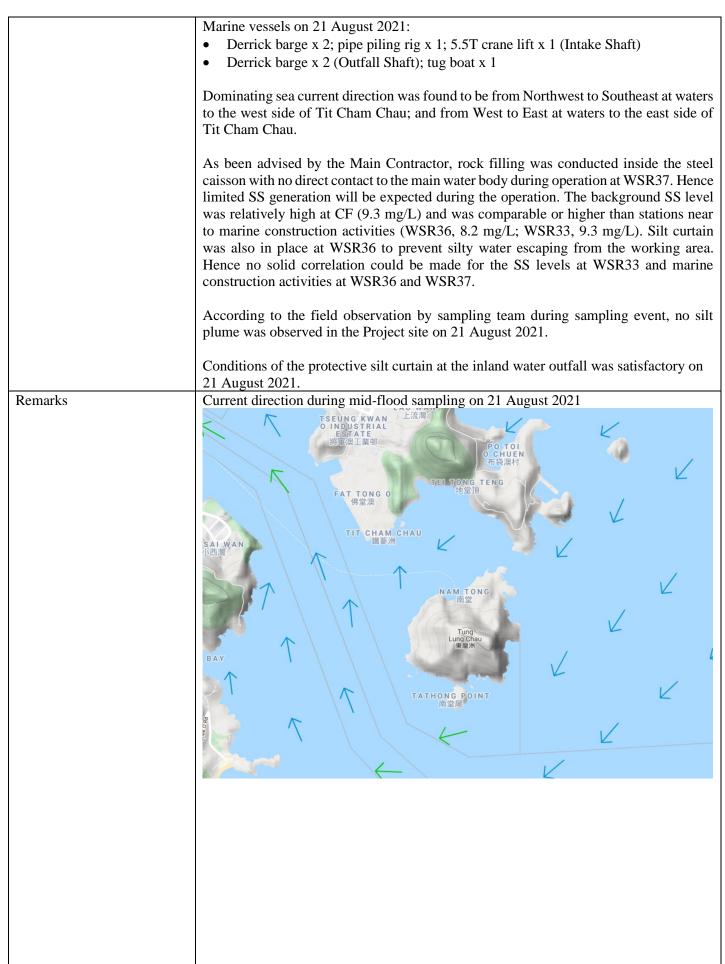


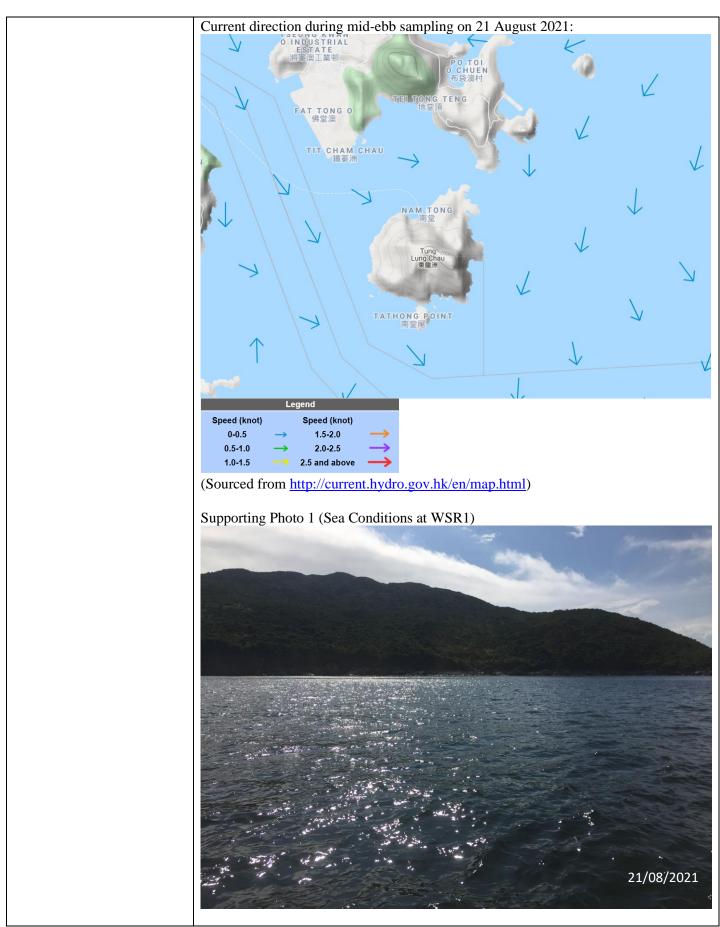


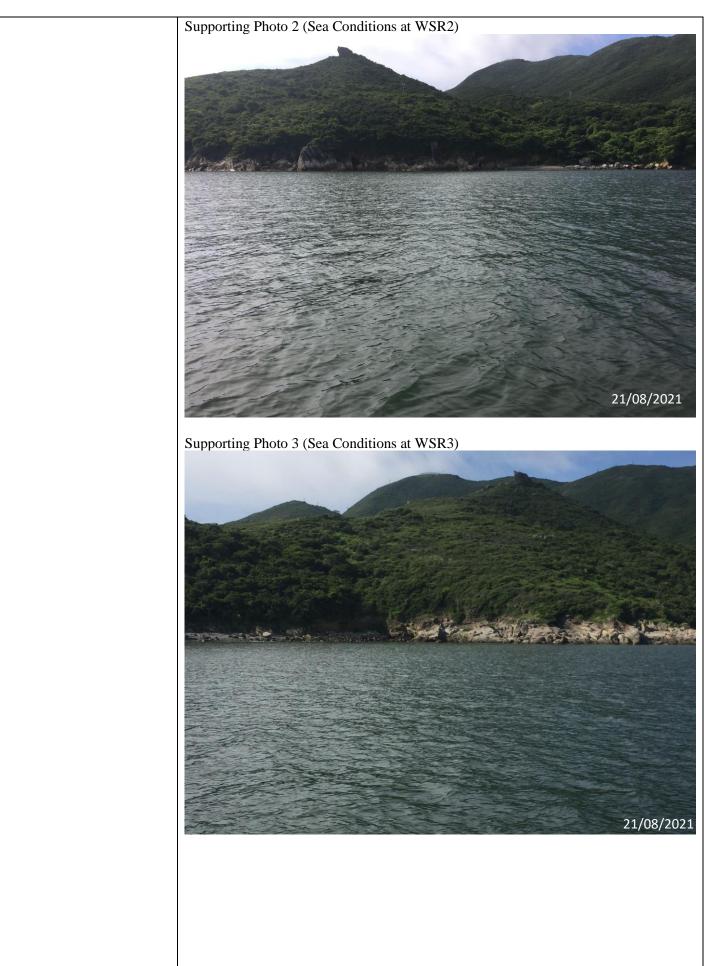


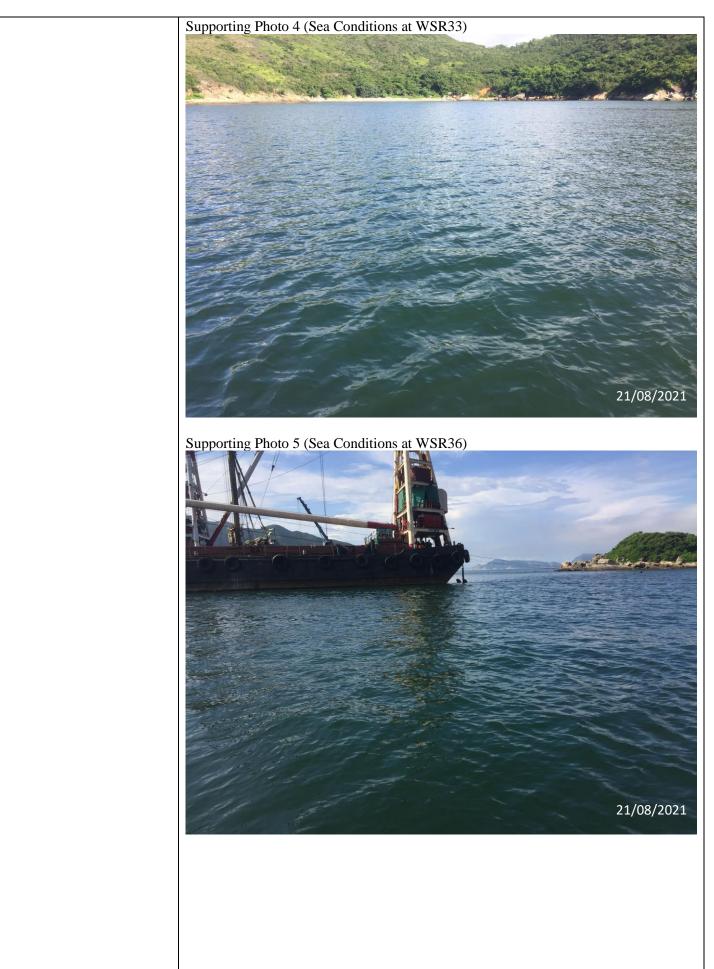
Project	Design, Build and Operate Fi	irst Stage of Tseung l	Kwan O Desalination Plant
Date	21 August 2021 (Lab result received on 26 August 2021)		
Time	16:53-19:00 (Mid-Flood) and 09:37-13:07 (Mid-Ebb)		
	Mid-Fl	lood	
Monitoring Location	WSR1, WSR2, WSR3		
	HONG KONG ISLAND Tai Tam Big Nive Bay		ay Control of the Character State of the Char
			Kilometres 0 1 2 Indicative Location of Skibmarin Cluttal
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level	Limit	t Level
	> 7.6 mg/L	> 8.2	mg/L
Measurement Level	Impact Station(s) of Exceedance	Control Stations	Impact Station(s) without Exceedance
	8.3 mg/L (WSR 1) 8.8 mg/L (WSR 2) 8.5 mg/L (WSR 3)	6.3 mg/L (CF) 6.5 mg/L (CE)	5.7 mg/L (WSR 4) 5.2 mg/L (WSR 16) 7.0 mg/L (WSR33) 7.2 mg/L (WSR36) 5.8 mg/L (WSR 37)
Possible reason for Action or Limit Level Non-compliance	,	lerrick barge for liftin	on rock filling inside the steel caisson ng work and supported welding work
	 Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø temporary working platform (0800 - 1800 hrs); 2) lifting of 610mm Ø pipe piles (08 - 1800 hrs) Marine construction activities with contact with water: 1) pipe piling of 610mm Ø temporary working platform 		
	 Marine vessels on 21 August Derrick barge x 2; pipe p Derrick barge x 2 (Outfail) 	iling rig x 1; 5.5T cra	
	Dominating sea current direction was found to be from Southeast to Northwest at water to the west side of Tit Cham Chau; and from Northeast to Southwest at waters to the east side of Tit Cham Chau.		

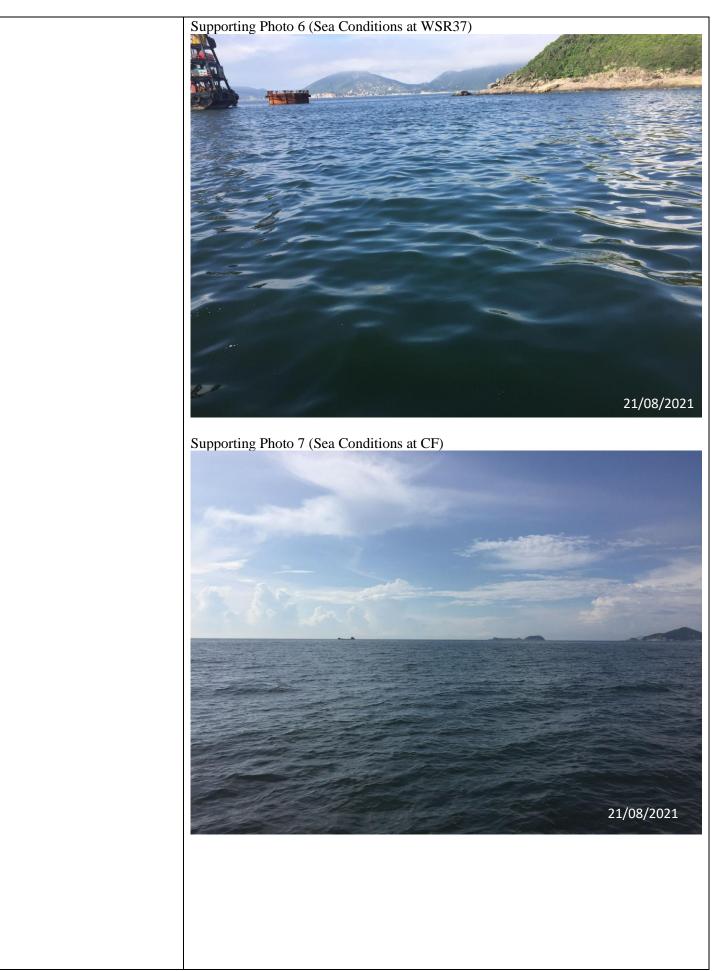
	the possibility of being affect However, the SS levels at W were higher than stations WSR37, 5.8 mg/L). In view	ted by marine construction w/SR1 (8.3 mg/L), WSR2 (8.8 with marine construction ac	From the construction site and torks were considered limited. .mg/L) and WSR3 (8.5 mg/L) ctivities (WSR36, 7.2 mg/L; een distance to marine works relevant.
		ervation by sampling team d Project site on 21 August 202	uring sampling event, no silt 1.
	Conditions of the protective silt curtain at the inland water outfall was satisfactory on 21 August 2021.		
	Mid-	Ebb	
Monitoring Location	WSR33, WSR36, WSR37		
	HONG KONG ISLAND Tai Tam Bay Big Nine Bay	Clear Water Bay WSR3 WSR3 WSR3 WSR4 WSR3 WSR4 WSR4 WSR4 WSR5 WSR5 WSR4 WSR5 WSR5 WSR5 WSR5 WSR5 WSR5 WSR5 WSR5	Image: Second
Domomotor	Suspended Solid (SS)		
Parameter Action & Limit Levels	Suspended Solid (SS) Action Level	Limit Level	
Action & Limit Levels	> 7.4 mg/L	> 8.0 mg/L	
Measurement Level	Impact Station(s) of	Control Stations	Impact Station(s) without
	Exceedance		Exceedance
	9.3 mg/L (WSR33) 8.2 mg/L (WSR36) 7.7 mg/L (WSR37)	6.2 mg/L (CE) 9.3 mg/L (CF)	6.0 mg/L (WSR1) 6.5 mg/L (WSR2) 6.5 mg/L (WSR3) 7.3 mg/L (WSR4) 6.3 mg/L (WSR16)
Possible reason for Action or Limit Level Non-compliance	-	derrick barge for lifting work	filling inside the steel caisson and supported welding work
		onstruction activities, namely a (0800 - 1800 hrs); 2) liftin	1) pipe piling of 610mm Ø on g of 610mm Ø pipe piles
	Marine construction activition temporary working platform) pipe piling of 610mm Ø on

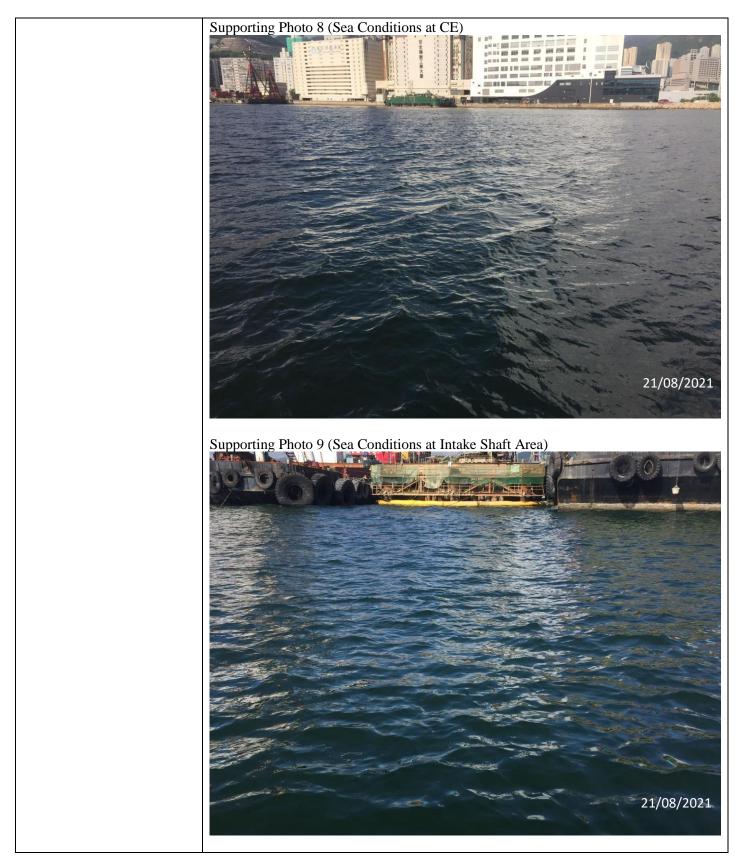


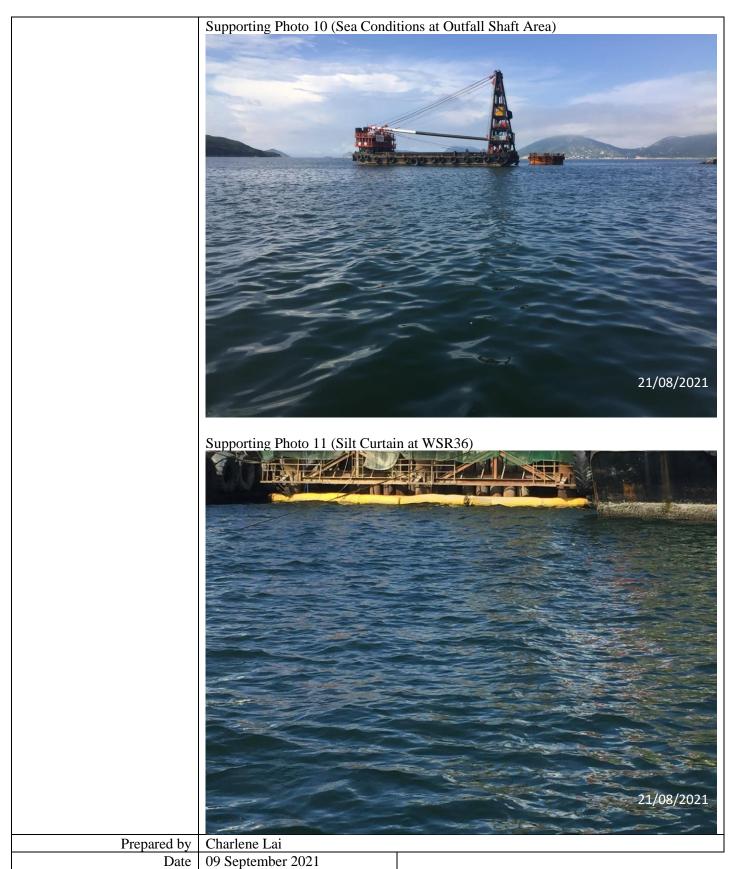








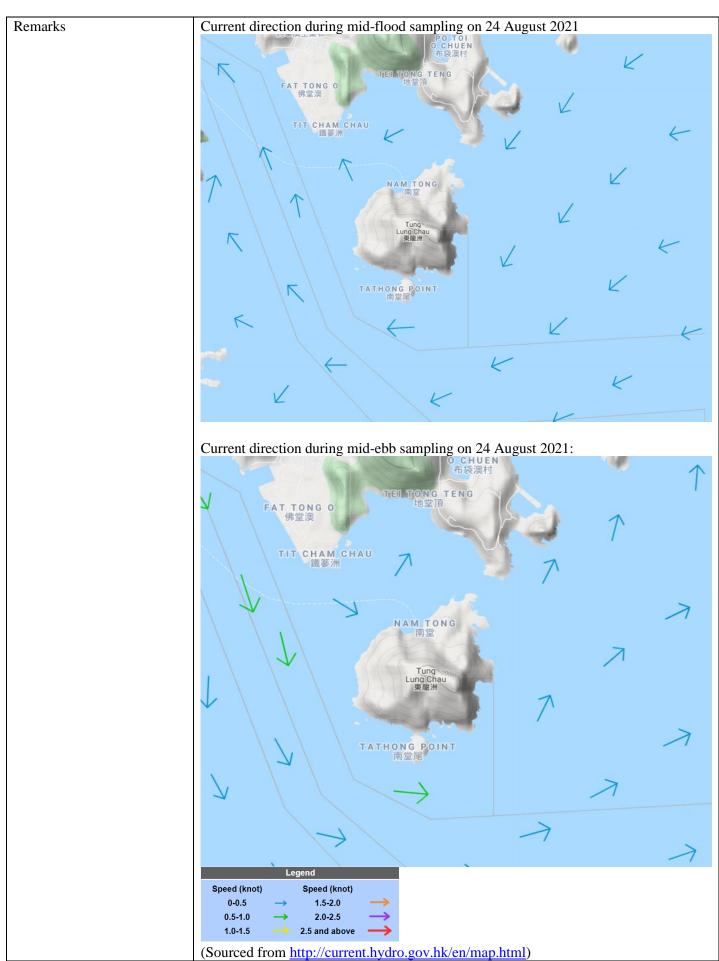


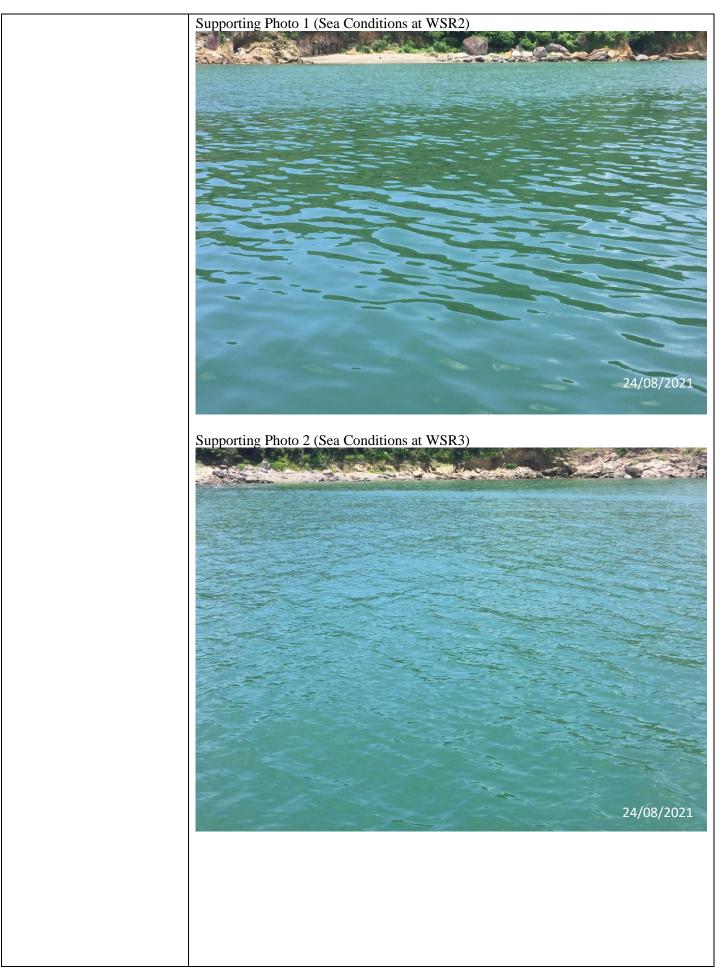


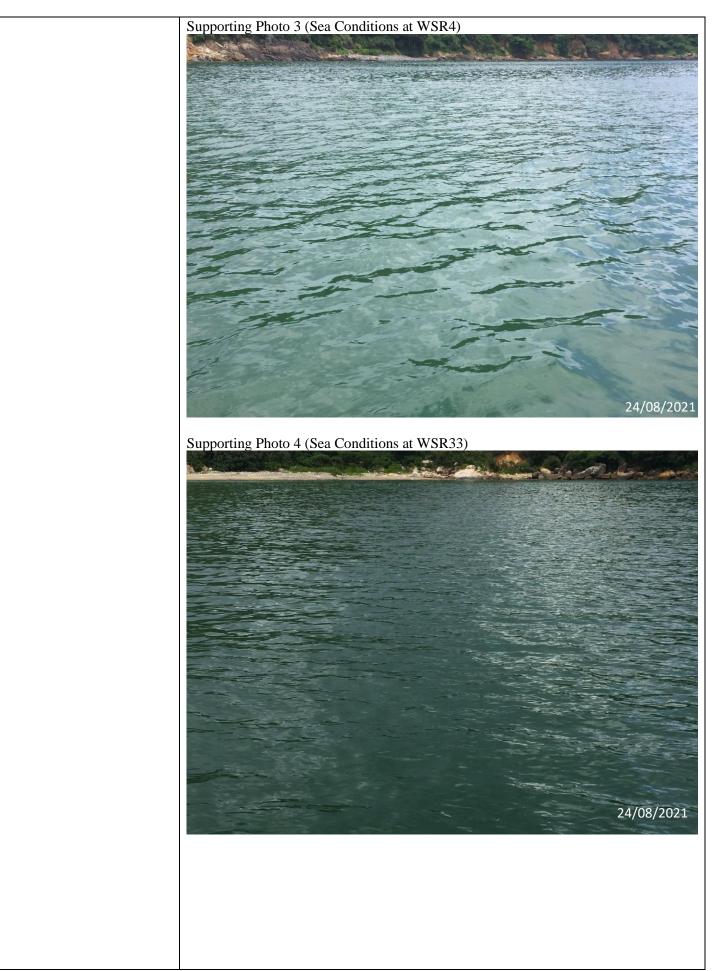
Project Design, Build and Operate First Stage of Tseung Kwan Date 24 August 2021 (Lab result received on 31 August 2021 Time 17:20-19:00 (Mid-Flood) and 11:53-15:23 (Mid-Ebb) Monitoring Location WSR2, WSR3, WSR4, WSR33, WSR36, WSR37 Image: State S				
Time 17:20-19:00 (Mid-Flood) and 11:53-15:23 (Mid-Ebb) Monitoring Location WSR2, WSR3, WSR4, WSR33, WSR36, WSR37 Image: State of the sta				
Monitoring Location WSR2, WSR3, WSR4, WSR33, WSR36, WSR37 Image: Second Seco	A A A A A A A A A A A A A A A A A A A			
Parameter Suspended Solid (SS) Action & Limit Levels Action Level Measurement Level Impact Station(s) of Exceedance 9.0 mg/L (WSR 2) 6.7 mg/L (CE) 8.0 mg/L (WSR 3) 7.3 mg/L (WSR 3) 7.3 mg/L (WSR3) 7.3 mg/L (WSR3) 7.3 mg/L (WSR3) 7.3 mg/L (WSR3)	A Contraction of the second se			
Parameter Suspended Solid (SS) Action & Limit Levels Action Level Measurement Level Impact Station(s) of Exceedance 9.0 mg/L (WSR 2) 6.7 mg/L (CE) 8.0 mg/L (WSR 3) 7.3 mg/L (WSR 3) 7.3 mg/L (WSR3) 7.3 mg/L (WSR3) 7.3 mg/L (WSR3) 7.3 mg/L (WSR3)	A Contraction of the second se			
Parameter Suspended Solid (SS) Action & Limit Levels Action Level Limit Level > 6.6 mg/L > 7.2 mg/L Measurement Level Impact Station(s) of Exceedance Control Stations 9.0 mg/L (WSR 2) 6.7 mg/L (CE) 8.0 mg/L (WSR 3) 5.5 mg/L (CF) 7.3 mg/L (WSR 4) 7.8 mg/L (WSR33) 7.3 mg/L (WSR36) 7.3 mg/L (WSR36)	Key Weter Quality Monitoring Station Email State of Equal Trigonition weters			
$ \begin{array}{ c c c c c c } \hline Action & Limit Level & Limit Level & Limit Level & > 6.6 mg/L & > 7.2 mg/L \\ \hline Measurement Level & Impact Station(s) of & Control Stations & \\ \hline Exceedance & & & \\ \hline 9.0 mg/L (WSR 2) & 6.7 mg/L (CE) & \\ \hline 8.0 mg/L (WSR 3) & & 5.5 mg/L (CF) & \\ \hline 7.3 mg/L (WSR33) & & \\ \hline 7.3 mg/L (WSR36) & & \\ \hline \end{array} $	N Kilometres 1 2 Indicative Location of Servater Intake Indicative Location of Servater Intake			
Action & Limit LevelsAction LevelLimit Level> 6.6 mg/L > 7.2 mg/L Measurement LevelImpact Station(s) of ExceedanceControl Stations9.0 mg/L (WSR 2) 6.7 mg/L (CE) 8.0 mg/L (WSR 3) 7.3 mg/L (WSR 4) 7.8 mg/L (WSR33) 7.3 mg/L (WSR36) 5.5 mg/L (CF)				
Measurement LevelImpact Station(s) of ExceedanceControl Stations9.0 mg/L (WSR 2)6.7 mg/L (CE)8.0 mg/L (WSR 3)5.5 mg/L (CF)7.3 mg/L (WSR 4)7.8 mg/L (WSR33)7.3 mg/L (WSR36)7.3 mg/L (WSR36)	1			
Exceedance 6.7 mg/L (CE) 9.0 mg/L (WSR 2) 6.7 mg/L (CE) 8.0 mg/L (WSR 3) 5.5 mg/L (CF) 7.3 mg/L (WSR 4) 7.8 mg/L (WSR33) 7.3 mg/L (WSR36) 7.3 mg/L (WSR36)	·			
9.0 mg/L (WSR 2) 6.7 mg/L (CE) 8.0 mg/L (WSR 3) 5.5 mg/L (CF) 7.3 mg/L (WSR 4) 7.8 mg/L (WSR33) 7.3 mg/L (WSR36) 7.3 mg/L (WSR36)	Impact Station(s) without			
8.0 mg/L (WSR 3) 5.5 mg/L (CF) 7.3 mg/L (WSR 4) 7.8 mg/L (WSR33) 7.3 mg/L (WSR36) 7.3 mg/L (WSR36)	Exceedance			
8.0 mg/L (WSR 3) 5.5 mg/L (CF) 7.3 mg/L (WSR 4) 7.8 mg/L (WSR33) 7.3 mg/L (WSR36) 7.3 mg/L (WSR36)	5.6 mg/L (WSR 1)			
7.3 mg/L (WSR 4) 7.8 mg/L (WSR33) 7.3 mg/L (WSR36)	6.0 mg/L (WSR 16)			
7.8 mg/L (WSR33) 7.3 mg/L (WSR36)				
7.3 mg/L (WSR36)				
Possible reason for Action or Outfall Shaft Area: 1) One derrick barge material liftin	g supporting the welding work			
Limit Level Non-compliance on caisson platform (0800 - 1800 hrs); 2) House-keepin – 1500 hrs); 3) Mobilization of the drill rig from land 2000 hrs) Intake Shaft Area: marine construction activities, namely	g of lifting/ rigging gears (0800 onto caisson platform (1500 –			
– 1900 hrs)	temporary working platform (0800 – 1900 hrs); 2) lifting of 610mm Ø pipe piles (0800 – 1900 hrs) – 1900 hrs) Marine construction activities with contact with water: 1) pipe piling of 610mm Ø on			
temporary working platform				
Dominating sea current direction was found to be from Southeast to Northwes to the west side of Tit Cham Chau; and from Northeast to Southwest at was east side of Tit Cham Chau.				

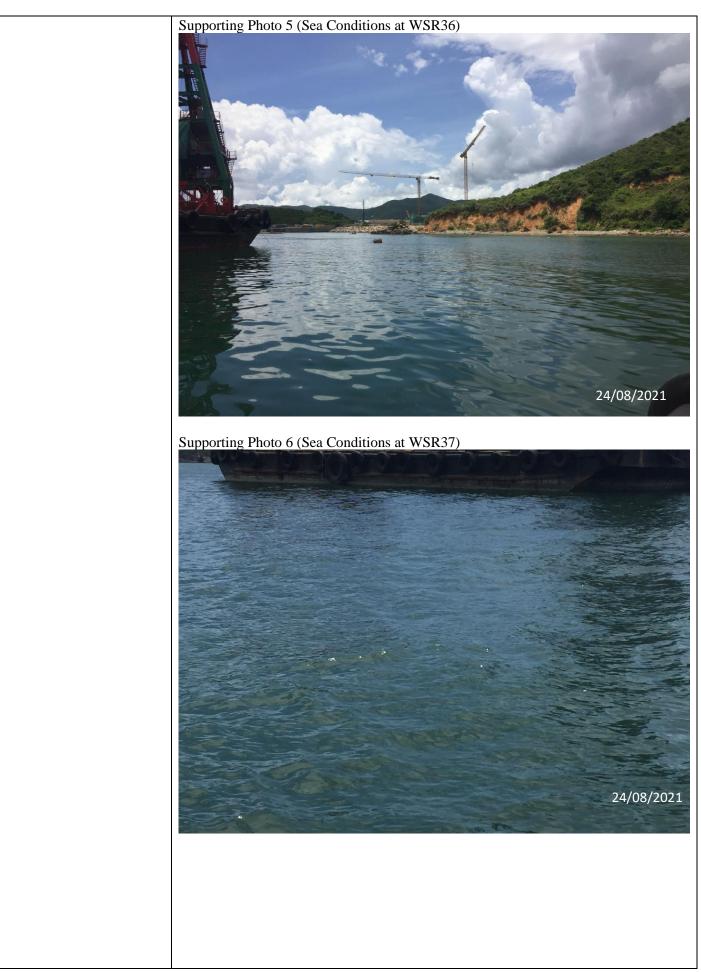
	2021 at Outfall Shaft (WSR mg/L). The SS levels at the August 2021 was generally WSR2 (9.0 mg/L), WSR3 (8 the construction site and the The SS levels were however construction activities were recorded with a higher SS downstream to WSR33. In works and SS level, the SS e According to the field obse plume was observed in the F	37). SS exceedance ho e Joss House Bay (Ta high with records reac 8.0 mg/L) and WSR4 (possibility of being at higher or at same level conducted. An upstrea level than that of V view of the inverse f exceedance is conclude ervation by sampling to Project site on 24 Augu	team during sampling event, no silt
	Mid-J	Ebb	
Monitoring Location	WSR33, WSR36 and WSR3		
	HONG KONG ISLAND Tai Tam	\ Li	y y y y y y y y y y y y y y y y y y y
Parameter	Suspended Solid (SS)		
Action & Limit Levels	Action Level	Limit	Level
	> 6.4 mg/L	> 6.9	
Measurement Level	> 6.4 mg/LImpact Station(s) ofExceedance8.3 mg/L (WSR33)7.2 mg/L (WSR36)9.0 mg/L (WSR37)	Control Stations 5.3 mg/L (CE) 5.5 mg/L (CF)	Impact Station(s) withoutExceedance4.5 mg/L (WSR1)6.3 mg/L (WSR2)4.5 mg/L (WSR3)5.5 mg/L (WSR4)6.2 mg/L (WSR16)
Possible reason for Action or Limit Level Non-compliance	on caisson platform (0800 -	1800 hrs); 2) House-ke	lifting supporting the welding work eeping of lifting/ rigging gears (0800 land onto caisson platform (1500 –

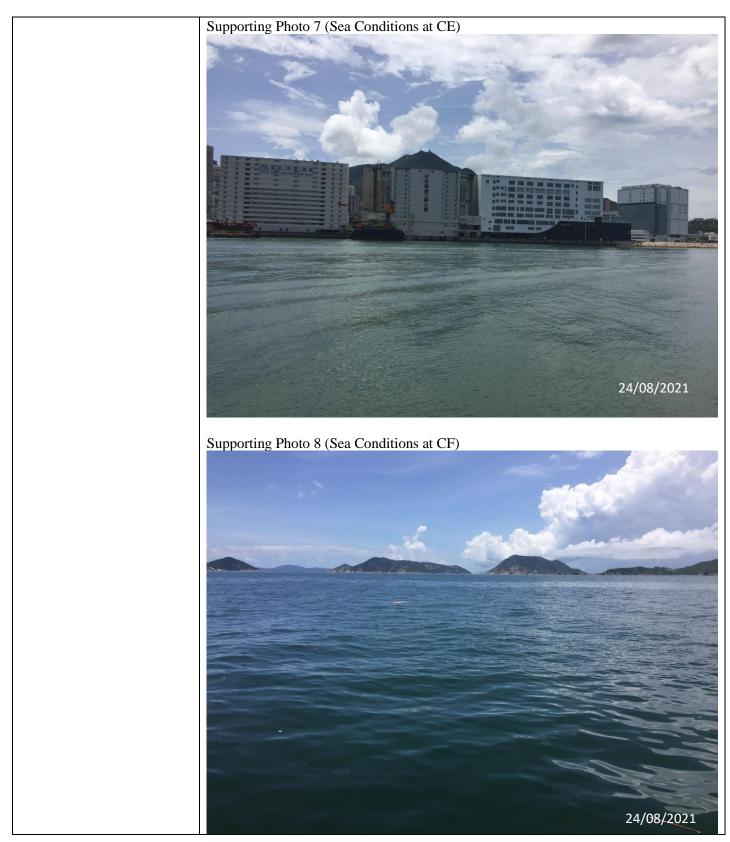
Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform (0800 – 1900 hrs); 2) lifting of 610mm Ø pipe piles (0800 – 1900 hrs)
Marine construction activities with contact with water: 1) pipe piling of 610mm $Ø$ on temporary working platform
 Marine vessels on 24 August 2021: Derrick barge x 2; pipe piling rig x 1 and 5.5T crane lift x 1 (Intake Shaft) Derrick barge x 2, tug boat x 1, anchor boat x 1 (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 West to East at waters to the east side of Tit Cham Chau.
No marine construction activities with contact with water was conducted on 24 August 2021 at Outfall Shaft (WSR37). The SS level at WSR37 was however the highest (9.0 mg/L). The SS level at WSR33 (8.3 mg/L) was observed higher than WSR36 (7.2 mg/L), where WSR36 was closer to the works location. In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant.
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 24 August 2021.
Conditions of the protective silt curtain at the inland water outfall was satisfactory on 24 August 2021.

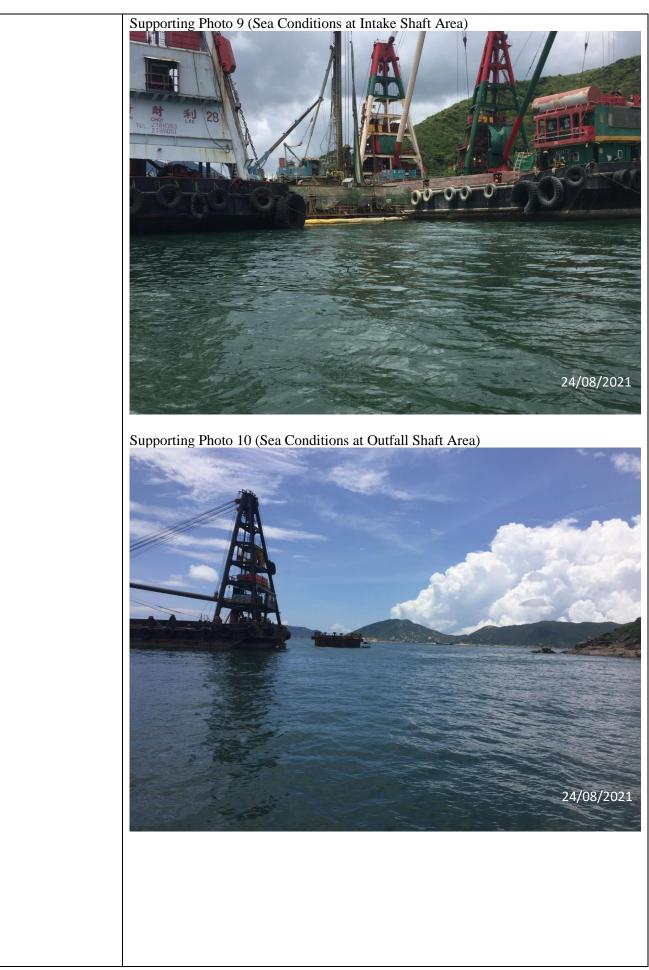


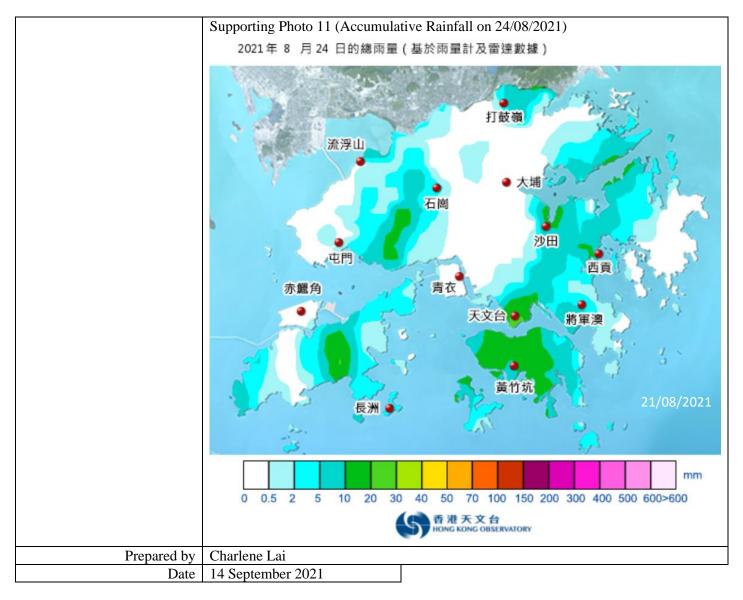










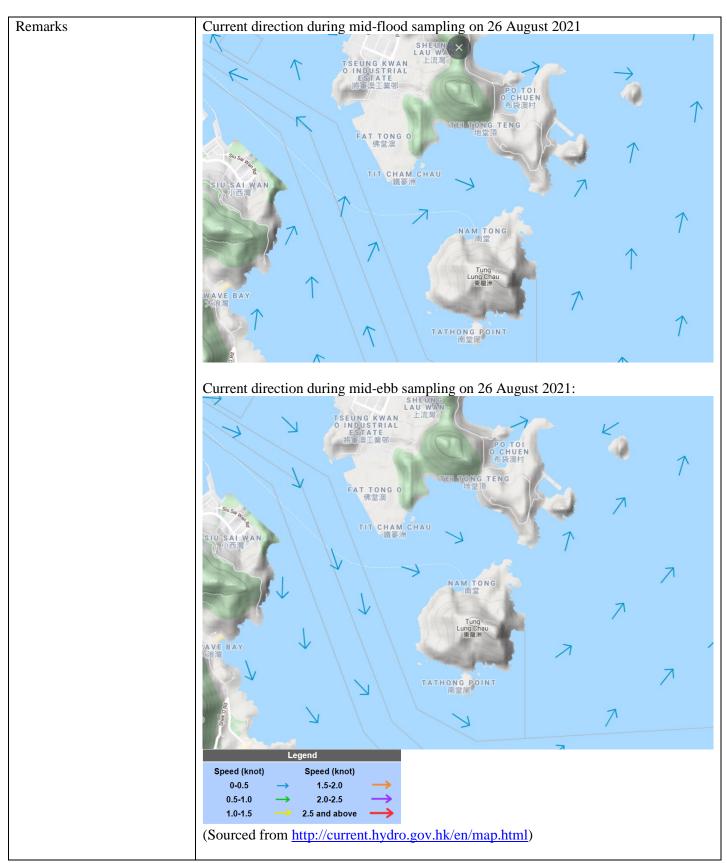


Incident Report on Action Level or Limit Level Non-Compliance

Project	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant			
Date	26 August 2021 (Lab result received on 01 September 2021)			
Time	08:00-11:18 (Mid-Flood) and 12:54-16:24 (Mid-Ebb)			
	Mid-Flood			
Monitoring Location	WSR2, WSR4, WSR16, WSR33, WSR36, WSR37			
	HONG KONG ISLAND Tai Tam	Ward Ward	Clear Water Bay	
		Cr.	0	KilometresIndicative Location of Seawater Intake
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 Statio		Impact Station(s) without
	Exceedance			Exceedance
	7.7 mg/L (WSR 2)	5.2 mg/L (CF)		4.8 mg/L (WSR 1)
	6.5 mg/L (WSR 4)	6.0 mg/L (CE	E)	5.5 mg/L (WSR 3)
	7.7 mg/L (WSR 16)			
	8.2 mg/L (WSR33)			
	8.3 mg/L (WSR36)			
	8.8 mg/L (WSR 37)			
Possible reason for Action or Limit Level Non-compliance				rk on caisson platform (1200 .) One derrick barge helping
) hrs); 3) One derrick barge derrick barge being towed to
				A
				lift x 1, tug boat x 1 (Intake

	to the west side of Tit Chan east side of Tit Cham Chau. No marine construction activ 2021. All construction activ derrick barges. Hence the S WSR37 (8.8 mg/L) at Outfai WSR16 was located distan affected by marine construct and WSR16 (7.7 mg/L) we located upstream, but the SS station, WSR4 (6.5 mg/L) v mg/L). Accumulative rainfai may lead to release of SS co fill bank). According to the field obse plume was observed in the F	n Chau; and fro vities with cont- ities were cond SS exceedance Il Shaft may be t from the con- tion activities w- re however sin b level was similar level was similar all of 5mm was pontent from the ervation by sam Project site on 2	om Northeast t act with water ucted either on at WSR36 (8. caused by othe struction site /as low. The SS nilar to WSR3 lar to WSR36. to that of the recorded on 2 soil of the nea	theast to Northwest at waters o Southwest at waters to the was conducted on 26 August working platforms or inside 3 mg/L) at Intake Shaft and er natural factors. WSR 2 and and the possibility of being S levels at WSR2 (7.7 mg/L) 6 and WSR37. WSR33 was The SS level of an upstream background level at CE (6.0 26 August 2021. The rainfall rby lands (e.g. country park, uring sampling event, no silt
	26 August 2021.			
	Mid-			
Monitoring Location	WSR1, WSR2, WSR3, WSR	NE NE	Clear Water Bay WER36 WE	
Parameter	Suspended Solid (SS)			
Action & Limit Levels	Action Level		Limit Level	
	> 8.0 mg/L		> 8.7 mg/L	
Measurement Level	Impact Station(s) of	Control Static	ons	Impact Station(s) without
	Exceedance 9.7 mg/L (WSR1) 9.8 mg/L (WSR2) 10.8 mg/L (WSR3) 9.2 mg/L (WSR16) 8.8 mg/L (WSR33)	6.7 mg/L (CE 7.8 mg/L (CF		Exceedance 7.7 mg/L (WSR4) 5.8 mg/L (WSR36) 7.7 mg/L (WSR37)

Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: 1) Preparation of silt curtain insider the hopper of one derrick barge (0800 - 1200 hrs); 2) Supported the drill rig setting up work on caisson platform (1200 - 1900 hrs)
	Intake Shaft Area: marine construction activities, namely 1) One derrick barge helping demobilization of piling rig and 5.5T lifting crane $(0800 - 1900 \text{ hrs})$; 2) One derrick barge for material lifting and welding work $(0800 - 1900 \text{ hrs})$; 3) One derrick barge helping demobilization of material (0800 - 1600 hrs); One derrick barge being towed to Outfall area (1600 - 1800 hrs)
	Marine construction activities with contact with water: N/A
	 Marine vessels on 26 August 2021: Derrick barge x 3; pipe piling rig x 1 and 5.5T crane lift x 1, tug boat x 1 (Intake Shaft)
	• Derrick barge x 1, anchor boat x 1 (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 West to East at waters to the east side of Tit Cham Chau.
	No marine construction activities with contact with water was conducted on 26 August 2021. All construction activities were conducted either on working platforms or inside derrick barge. Hence the SS level at WSR33 (8.8 mg/L), a station at proximity to WSR36 (Intake Shaft) may be caused by other natural events. No SS exceedance was recorded in WSR36 (5.8 mg/L) and WSR37 (7.7 mg/L). The SS levels in the Joss House Bay (Tai Miu Wan) on 26 August 2021 was generally high, and were generally higher than 7.7 mg/L. WSR1, WSR2, WSR3 and WSR16 were located distant from the construction site and the possibility of being affected by marine construction activities was low. The SS level at WSR1 (9.7 mg/L), WSR2 (9.8 mg/L), WSR3 (10.8 mg/L) and WSR16 (9.2 mg/L) was higher than WSR36 and WSR37. Accumulative rainfall of 5mm was recorded on 26 August 2021. The rainfall may lead to release of SS content from the soil of the nearby lands (e.g. country park, fill bank).
	According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 26 August 2021.
	Conditions of the protective silt curtain at the inland water outfall was satisfactory on 26 August 2021.





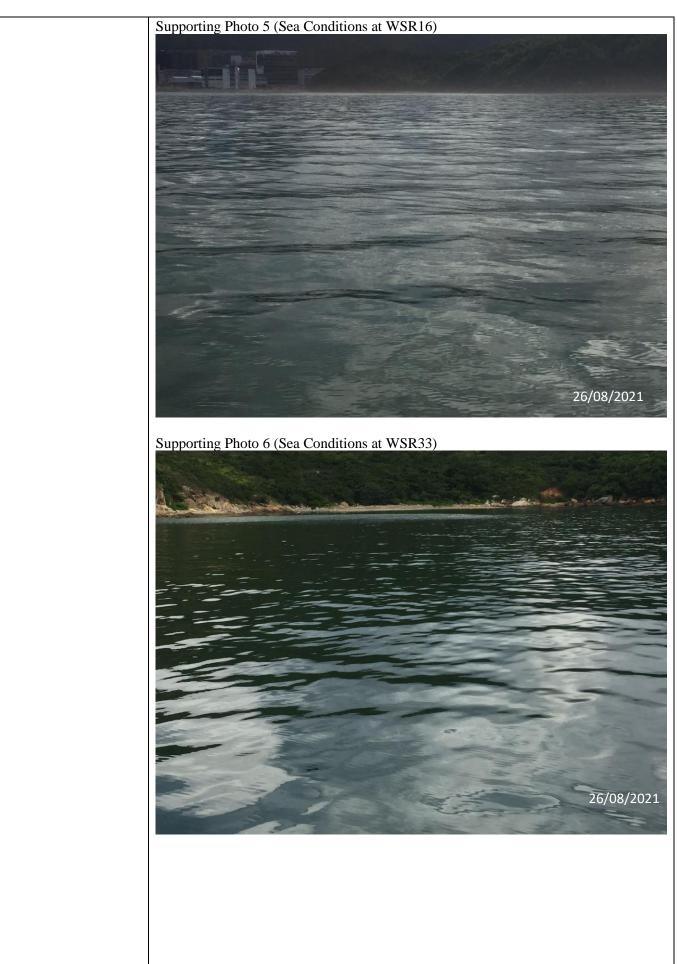


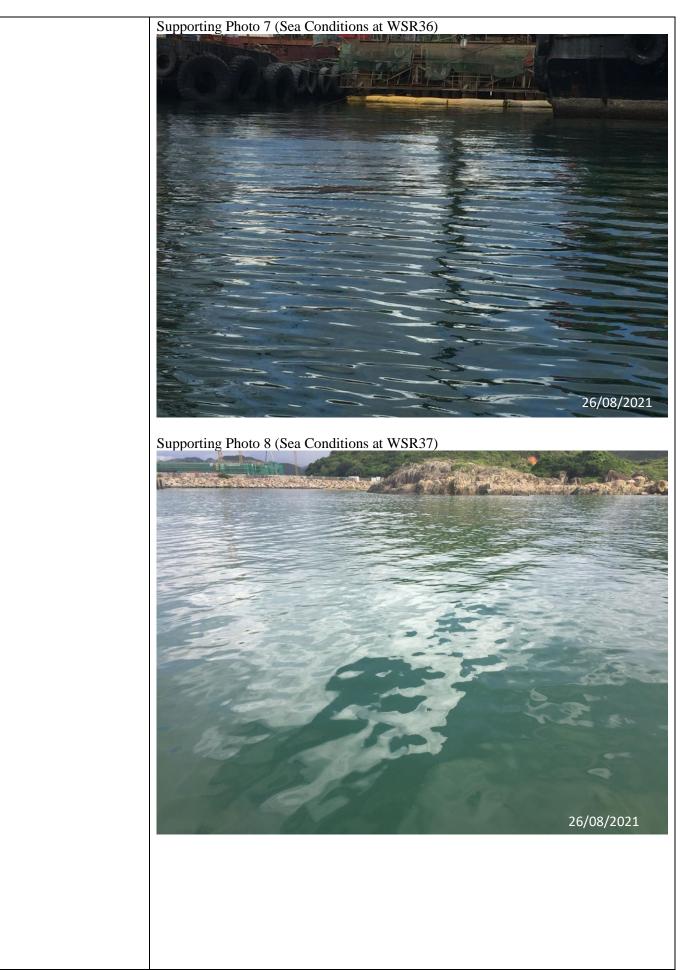


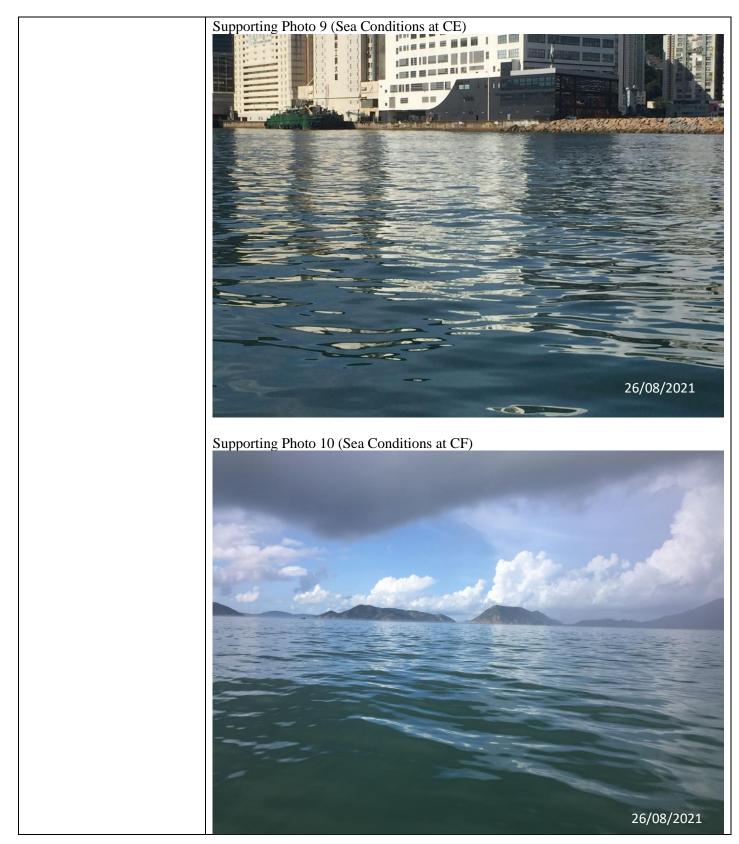


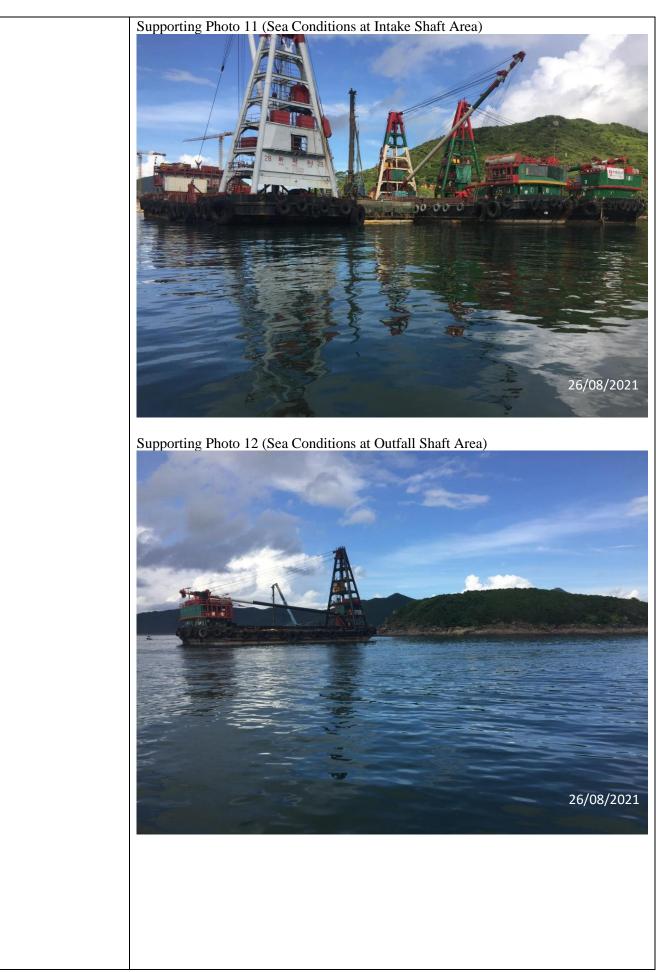
Supporting Photo 4 (Sea Conditions at WSR4)

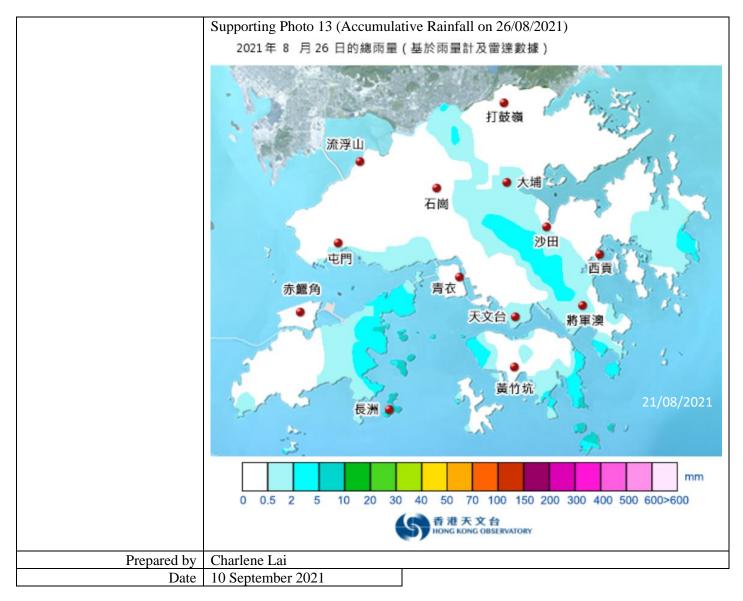












Incident Report on Action Level or Limit Level Non-Compliance

Project	Design, Build and Operate F	irst Stage of Tseung Kwa	n O Desalination Plant	
Date	Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant 28 August 2021 (Lab result received on 03 September 2021)			
Time	08:00-11:28 (Mid-Flood) and 13:57-17:27 (Mid-Ebb)			
Time	Mid-Flood			
Monitoring Location	WSR2, WSR33, WSR36			
	HONG KONG ISLAND Tai Tam	Clear Water Bay WSR33 WSR4 WSR4 WSR4 WSR4 WSR4 Ung Chau WSR4	Key Water Guality Mentoring Station Water Guality Mentoring Station Water Guality Mentoring Station	
Parameter	Suspended Solid (SS)	CF 0	N Kilometres 1 2 1 Indicative Location of Submarine Cutful	
Action & Limit Levels	Action Level	Limit Lev	zel	
	> 6.0 mg/L	> 6.5 mg/		
Measurement Level	Impact Station(s) of Exceedance6.8 mg/L (WSR 2)7.7 mg/L (WSR33)6.2 mg/L (WSR36)	Control Stations 5.0 mg/L (CF) 3.3 mg/L (CE)	LImpact Station(s) without Exceedance4.3 mg/L (WSR 1)5.3 mg/L (WSR 3)4.8 mg/L (WSR 4)5.5 mg/L (WSR 16)5.7 mg/L (WSR 37)	
Possible reason for Action or Limit Level Non-compliance				

	No marine construction activities with contact with water was conducted on 28 August 2021. All construction activities were conducted either on caisson platform or inside derrick barges. Hence the SS exceedance at WSR36 (6.2 mg/L) at Intake Shaft and WSR33 (7.7 mg/L) may be caused by other natural factors. WSR 2 was located distant from the construction site and the possibility of being affected by marine construction activities was low. The SS level at WSR2 (6.8 mg/L) was however higher than WSR36. Accumulative rainfall of 20mm was recorded on 28 August 2021. The rainfall may lead to release of SS content from the soil of the nearby lands (e.g. country park, fill bank). According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 28 August 2021.			
	Mid-	Ebb		
Monitoring Location	WSR33, WSR37	NFT NF2	Clear Water Bay	Image: Second
Demonster	Green en 1-1 G-111 (GG)			
Parameter Action & Limit Levels	Suspended Solid (SS) Action Level		Limit Laval	
Action & Linnit Levels			Limit Level	
Measurement Level	> 6.0 mg/L Impact Station(s) of Exceedance	Control Station	> 6.5 mg/L	Impact Station(s) without Exceedance
	7.2 mg/L (WSR33) 6.3 mg/L (WSR37)	5.0 mg/L (CE) 5.5 mg/L (CF)		5.8 mg/L (WSR1) 4.4 mg/L (WSR2) 4.5 mg/L (WSR3) 2.9 mg/L (WSR4) 6.0 mg/L (WSR16) 5.8 mg/L (WSR36)
Possible reason for Action or Limit Level Non-compliance	Outfall Shaft Area: 1) One of One derrick barge supported 1800 hrs); 3) One derrick bar (0800 - 1800 hrs) Intake Shaft Area: marine material lifting and welding	the drill rig sett rge supported ma construction acti	ting up work on the start of th	on caisson platform (0800 – nd pile casing welding work y 1) One derrick barge for
	Marine construction activities with contact with water: N/A			

	 Marine vessels on 28 August 2021: Derrick barge x 1; tug boat x 1 (Intake Shaft) Derrick barge x 3, anchor boat x 1 (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 West to East at waters to the east side of Tit Cham Chau. No marine construction activities with contact with water was conducted on 28 August 2021. All construction activities were conducted either on caisson platform or inside derrick barges. Hence the SS exceedance at WSR37 (6.3 mg/L) at Outfall Shaft and WSR33 (7.2 mg/L) may be caused by other natural factors. No SS exceedance was recorded in WSR36 (5.8 mg/L), which located downstream to WSR37. Accumulative rainfall of 20mm was recorded on 28 August 2021. The rainfall may lead to release of SS content from the soil of the nearby lands (e.g. country park, fill bank). According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 28 August 2021.
	Conditions of the protective silt curtain at the inland water outfall was satisfactory on 28 August 2021.
Remarks	Current direction during mid-flood sampling on 28 August 2021

