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New Works Branch
Consultants Management Division
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Your reference:

Our reference: HKWSD202/50/107644

Date: 8 November 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 Quarterly EM&A Report No.6 (June - August 2021)

We refer to emails of 3 and 5 November 2021 attaching Quarterly EM&A Report No.6 (June - August 2021) for the captioned project prepared by the ET.

We have no further comments and hereby verify the captioned report.

Should you have any queries regarding the above, please do not hesitate to contact the undersigned on 2618 2831 or 9275 0975.

Yours faithfully
ANewR CONSULTING LIMITED

Louis Kwan
Independent Environmental Checker

KSYL/lsm



水務署

Water Supplies Department

Contract No. 13/WSD/17

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

**Quarterly EM&A Report No.6
(Period from 1 Jun 2021 to 31 Aug 2021)**

Document No.

| | | | | | | |
|-----------|---|--------------|---|----------------|---|----------------|
| ASCL | / | 200168078 | / | QEMA6 | / | A |
| Publisher | | Project Code | | Sequential No. | | Revision Index |

| | | | |
|-----------|---------------------------|---------------------------|---------------------------|
| | Prepared by: | Reviewed by: | Certified by: |
| Name | Charlene LAI | Nelson TSUI | Jacky LEUNG |
| Position | Environmental Team Member | Environmental Team Member | Environmental Team Leader |
| Signature | | | |
| Date: | 30/09/2021 | 30/09/2021 | 30/09/2021 |

REVISION HISTORY

| REV. | DESCRIPTION OF MODIFICATION | DATE |
|-------------|------------------------------------|-------------|
| A | First Issue for Comments | 30 SEP 2021 |

CONTENTS

| | |
|---|----|
| Executive Summary..... | 4 |
| 1. Basic Project Information..... | 4 |
| 2. Noise..... | 9 |
| 3. Water Quality..... | 14 |
| 4. Waste | 26 |
| 5. Landfill Gas Monitoring..... | 29 |
| 6. Summary of Monitoring Exceedance, Complaints, Notification of Summons and Prosecutions | 32 |
| 7. EM&A Site Inspection..... | 34 |
| 8. Conclusions and Recommendations | 35 |
| | |
| 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 Period | |
| Appendix E Event/Action Plan for Noise Exceedance | |
| Appendix F Event/Action Plan for Water Quality Exceedance | |
| Appendix G Waste Flow Table | |
| Appendix H Complaint Log | |
| Appendix I Water Quality and Landfill Gas Monitoring Data | |
| Appendix J HOKLAS Laboratory Certificate | |
| Appendix K Water Quality and Landfill Gas Equipment Calibration Certificate | |
| Appendix L Exceedance Reports(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 6th Quarterly 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 O Area 137 (TKO 137) during the reporting period from 1 June 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) column and wall from Basement to Roof, beam and slab for Ground Floor and Roof Floor / Electrical Building ground floor, 1st and 2nd floor slab, columns and wall;
 - Construction of Product Water Storage Tank (PWST) perimeter wall and Electrical Building 1/F slab;
 - Construction of manhole no. 10 adjacent 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;
 - Chiseling inside a steel casing and welding on I-beam Chisel at Outfall Shaft;
 - Minimal grabbing of broken hard material for seabed levelling 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;
- Diver's checking/ servicing of silt curtain;
- Jet Grouting at Combined Shaft Area;
- Jacking pipe launching equipment setup at Combined Shaft and commencement of pipe jacking;
- Cable drawpit construction;
- Excavation and laying yard piping;
- Construction. R.C Wall of Combined Shaft;
- Installation of Concrete Block Wall and base slab at 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, excavation and lateral support 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
- Dust suppression by covering dusty materials with tarpaulin sheet
- 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

SUMMARY OF EXCEEDANCE & INVESTIGATION & FOLLOW-UP

- A8. 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. 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. General water quality monitoring at the ten monitoring stations (CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36 and WSR37) were conducted on 1, 3, 5, 8, 10, 12, 15, 17, 19, 22, 24, 26 and 29 June 2021; 1, 3, 6, 8, 10, 13, 15, 17, 20*, 22, 24, 27, 29 and 31 July 2021 and 3, 5, 7, 10, 12, 14, 17, 19, 21, 24, 26, 28 and 31 August 2021.
- A11. During the impact monitoring period between June 2021 to August 2021, one hundred and twenty-six (126) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Ninety-four (94) of the general water quality monitoring results of SS obtained during the reporting quarter had exceeded the Limit Level.
- A12. Details of the exceedance are presented in **Appendix L**.
- A13. Investigation on the reason of exceedance has been carried out, where the exceedances of SS on 01/06, 03/06, 08/06, 22/06 and 29/06; 01/07, 03/07, 06/07, 10/07, 15/07, 17/07, 22/07, 27/07, 29/07 and 31/07; 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 were 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 L**.
- A14. Weekly site inspections of the construction works were also carried out by ET to audit the mitigation measures implementation status. Joint site inspections were also carried out by ET and IEC on 8, 15, 22 and 30 June 2021, 6, 13, 20 and 30 July 2021 and 3, 10, 17, 24 and 31 August 2021.

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.

* General water quality monitoring on 20 July 2021 was cancelled at both the mid-flood and mid-ebb tides due to the issuance of the No. 3 Tropical Cyclone Warning Signal. Further supporting documents were attached in **Appendix I**.

1. BASIC PROJECT INFORMATION

1.1. BACKGROUND

The Jardine Engineering Corporation Limited, China State Construction Engineering (Hong Kong) Limited and Acciona Agua, S.A. Trading 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 6th Quarterly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 June 2021 to 31 August 2021.

1.3. PROJECT ORGANIZATION-

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

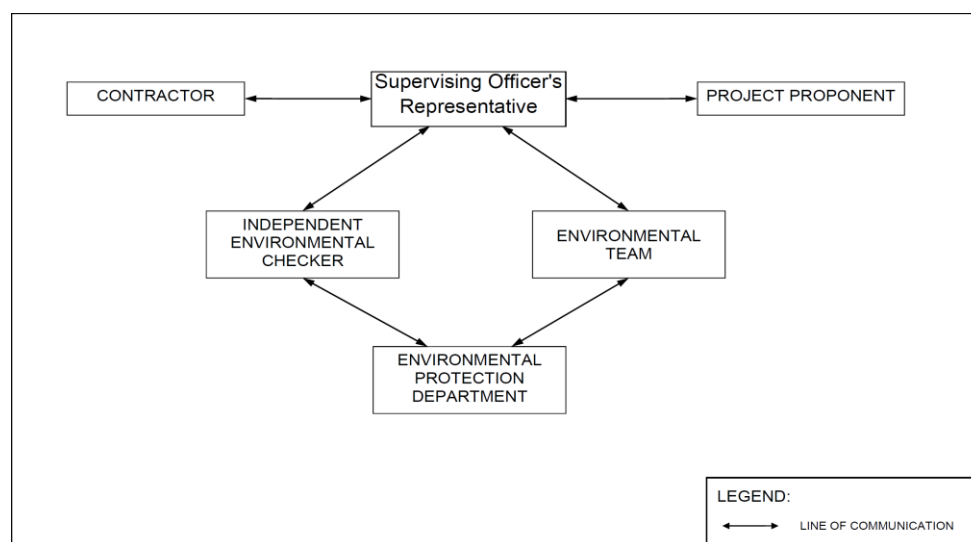


Figure 1.1 Project Organization Chart

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

Table 1.1 Contact Details of Key Personnel

| Party | Position | Name | Telephone no. |
|---|---|---------------|----------------------|
| Project Proponent | SE/CM2 | Benny Lam | 2634-3573 |
| Supervising Officer (Binnies Hong Kong Limited) | Project Manager | Christina Ko | 2608-7302 |
| | Chief Resident Engineer | Roger Wu | 6343-1002 |
| The Jardine Engineering Corporation, Limited, China State Construction Engineering (Hong Kong) Limited and Acciona Agua, S.A. Trading | Project Manager | Stephen Yeung | 2807-4665 |
| | 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 |

1.4. SUMMARY OF CONSTRUCTION WORKS

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

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

- Land Survey;
- Construction of ActiDAFF perimeter wall and water tank;
- Construction of Reverse Osmosis (RO) column and wall from Basement to Roof, beam and slab for Ground Floor and Roof Floor / Electrical Building ground floor, 1st and 2nd floor slab, columns and wall;
- Construction of Product Water Storage Tank (PWST) perimeter wall and Electrical Building 1/F slab;
- Construction of manhole no. 10 adjacent 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;
- Chiseling inside a steel casing and welding on I-beam Chisel at Outfall Shaft;
- Minimal grabbing of broken hard material for seabed levelling 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;
- Diver's checking/ servicing of silt curtain;
- Jet Grouting at Combined Shaft Area;
- Jacking pipe launching equipment setup at Combined Shaft and commencement of pipe jacking;
- Cable drawpit construction;
- Excavation and laying yard piping;
- Construction. R.C Wall of Combined Shaft;
- Installation of Concrete Block Wall and base slab at 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**.

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

| 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 | 30/12/2019 - 30/03/2023 | |
| Wastewater Discharge Licence (Land and Marine works) | WT00035775-2020 | 24/07/2020 - 31/07/2025 | |
| Chemical Waste Producer Registration | 5213-839-A2987-01 | Throughout the Contract | |
| Construction Noise Permit (24 hours) | GW-RE0419-21 | 01/05/2021 - 30/10/2021 | CNP for general works, TBM at Combined Shaft and marine works |
| Billing Account for Disposal of Construction Waste | 7036276 | Throughout the Contract | |
| Vessel CHITs for fill disposal | 7039300 | 19/04/2021 - 20/07/2021 | |
| Dumping at Sea Ordinance (DASO) Permit (Category L) | EP/MD/21-102 | 25/03/2021 - 30/06/2021 | |
| Dumping at Sea Ordinance (DASO) Permit (Category L) | EP/MD/22-028 | 02/08/2021 - 01/02/2022 | |
| Dumping at Sea Ordinance (DASO) Permit to dump materials (Category M) at sea | 470822 | Application in progress | |

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

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

| Parameters | Status |
|---|--|
| Water Quality | |
| Baseline Monitoring under EM&A Manual | The baseline water quality monitoring was conducted between 12 May 2020 and 6 June 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 Monitoring Plan | On-going |
| Environmental Audit | |
| Site Inspection covering Measures of Air Quality, Noise Impact, Water Quality, Waste, Ecological Quality, Fisheries, Landscape and Visual | On-going |

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 period 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.

Construction noise level would be measured in terms of the A-weighted equivalent continuous sound pressure level (LAeq). Leq_{30min} was used as the monitoring parameter for the time period between 0700 and 1900 on normal weekdays. **Table 2.1** summarizes the monitoring parameters, frequency and duration of the impact noise monitoring.

Table 2.1 Noise Monitoring Parameters, Time, Frequency and Duration

| Time | Duration | Interval | Parameters |
|-----------------------|---|---|---|
| Daytime: 0700-1900 | Day time: 0700-1900 (during weekdays) | Continuously in Leq _{5min} /Leq _{30min} (average of 6 consecutive Leq _{5min}) | Leq _{30min} L _{10 30min} & L _{90 30min} |

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.

Table 2.2 Noise Sensitive Receivers

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

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

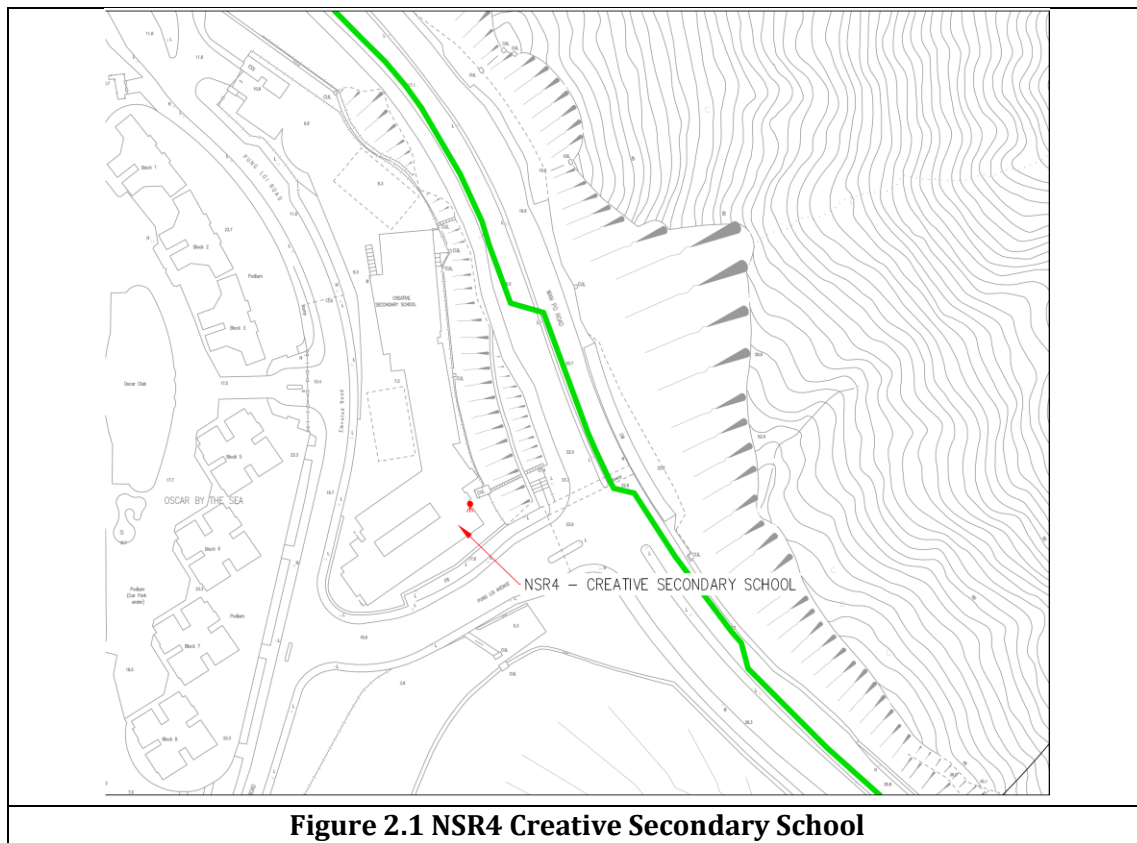


Figure 2.1 NSR4 Creative Secondary School

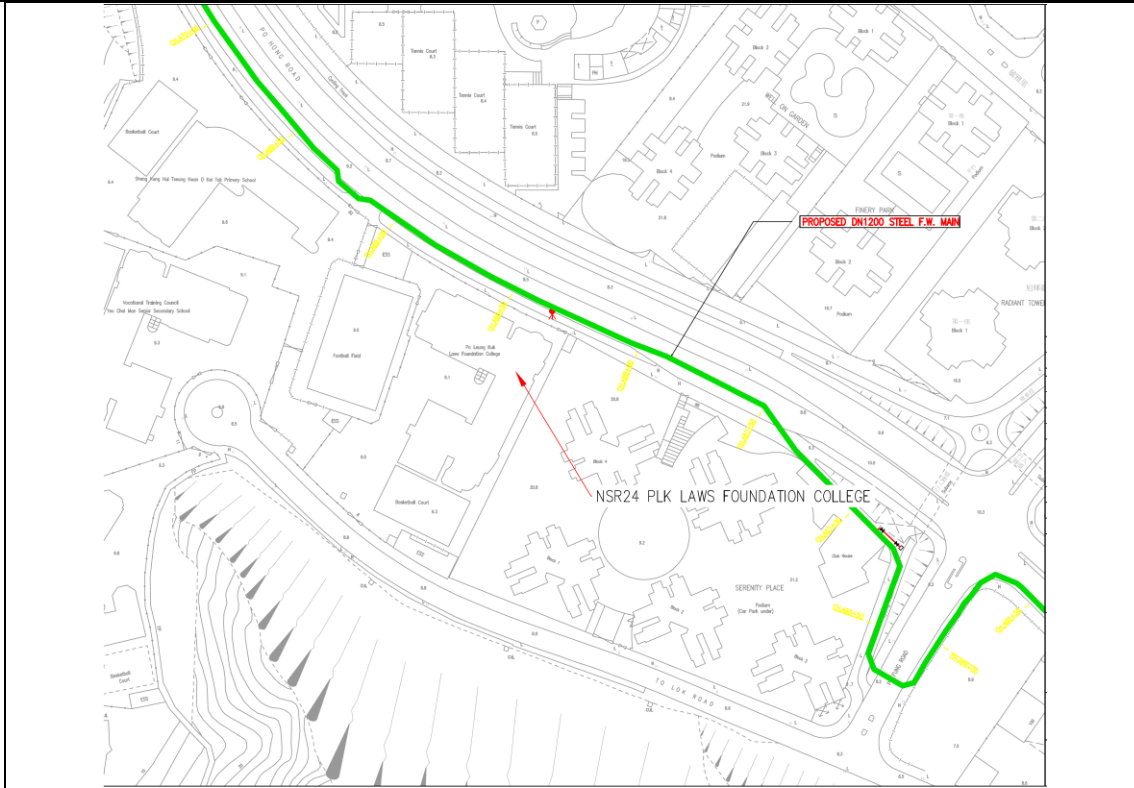


Figure 2.2 NSR24 PLK Laws Foundation College

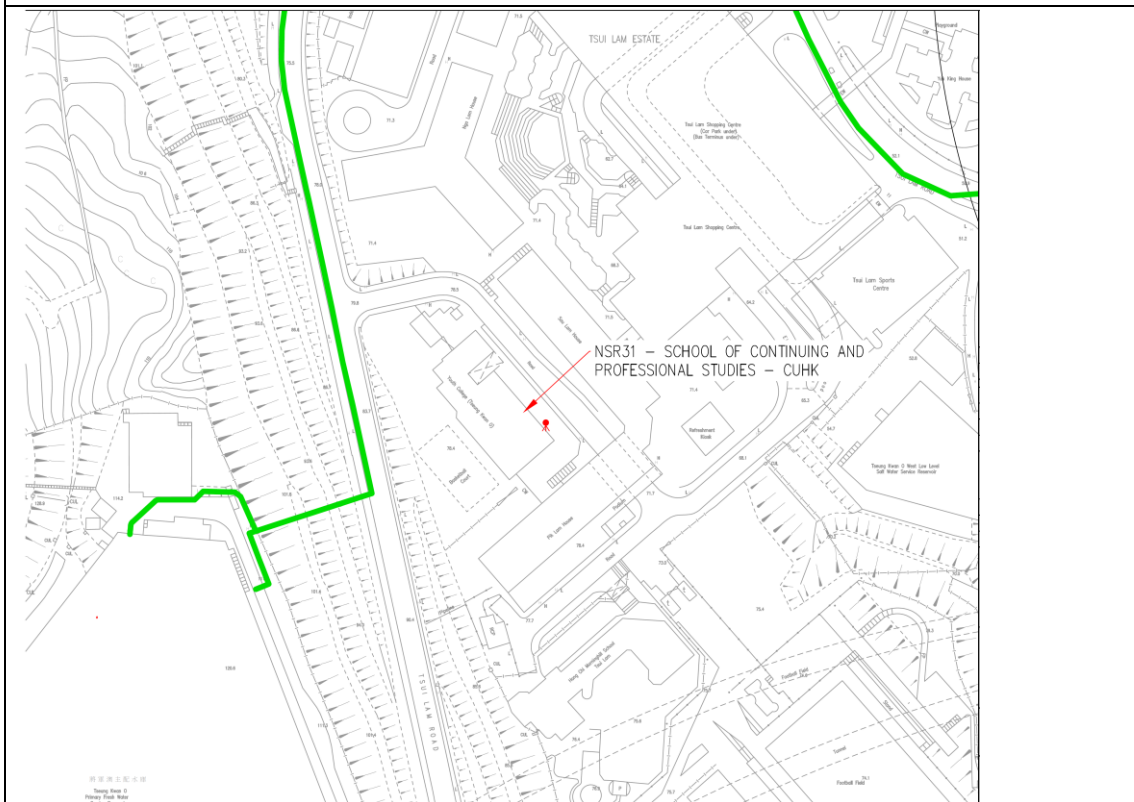


Figure 2.3 NSR31 School of Continuing and Professional Studies - CUHK

2.3. 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 2.3**.

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

| Time Period | Action Level | Limit Level (dB(A)) |
|------------------------------|---|---|
| 0700-1900 on normal weekdays | When one documented complaint is received from any one of the noise sensitive receivers | <ul style="list-style-type: none"> • 70 dB(A) for school and • 65 dB(A) during examination period |

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**.

2.4. 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.

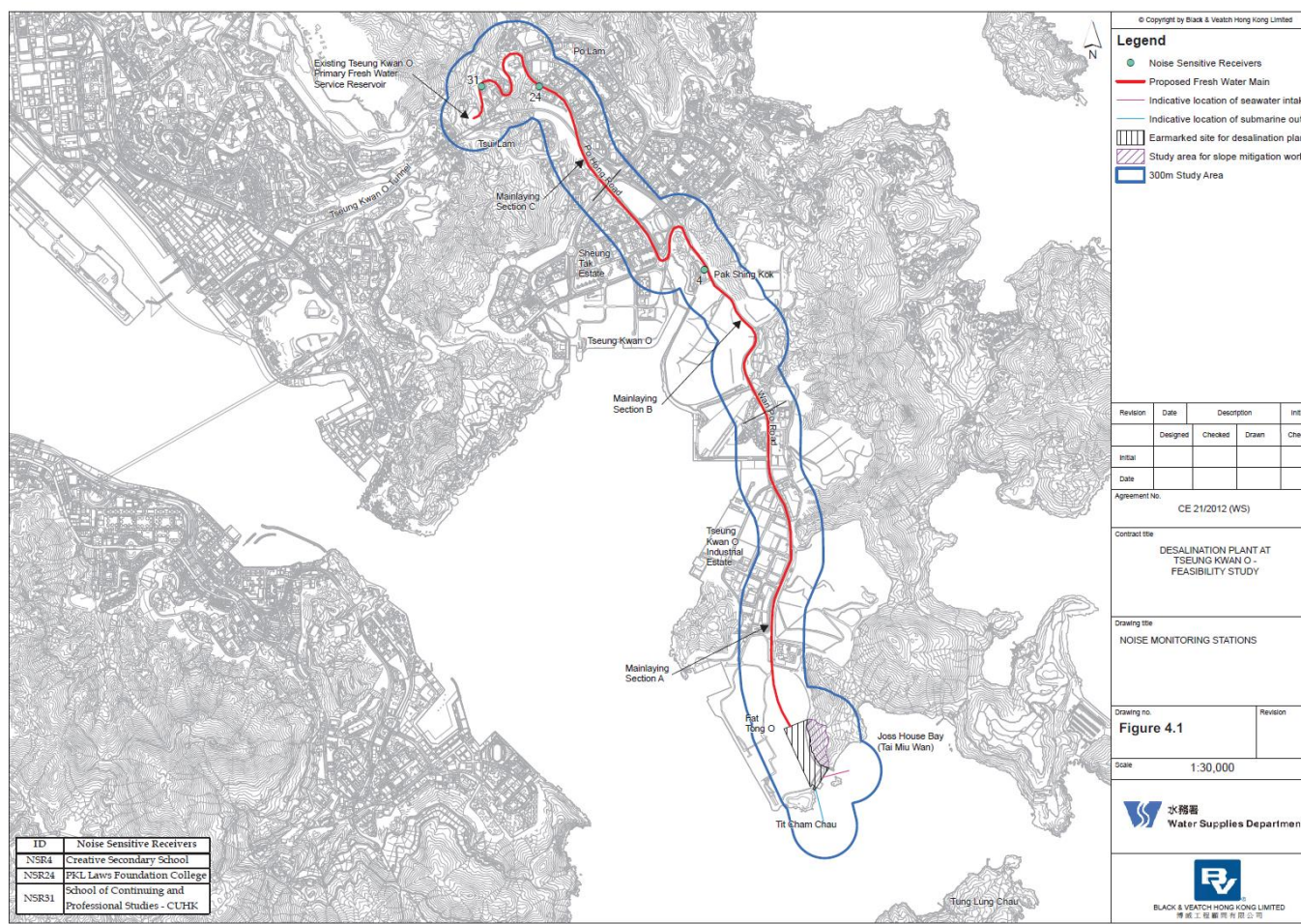


Figure 2.4 Site Layout Plan with Noise Sensitive Receivers and Desalination Plant

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 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 16 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 10 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. IMPACT MONITORING METHODOLOGY

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 | °C | - |
| pH | - | - |
| Turbidity | NTU | - |
| Salinity | ‰ | - |
| 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 LOCATIONS

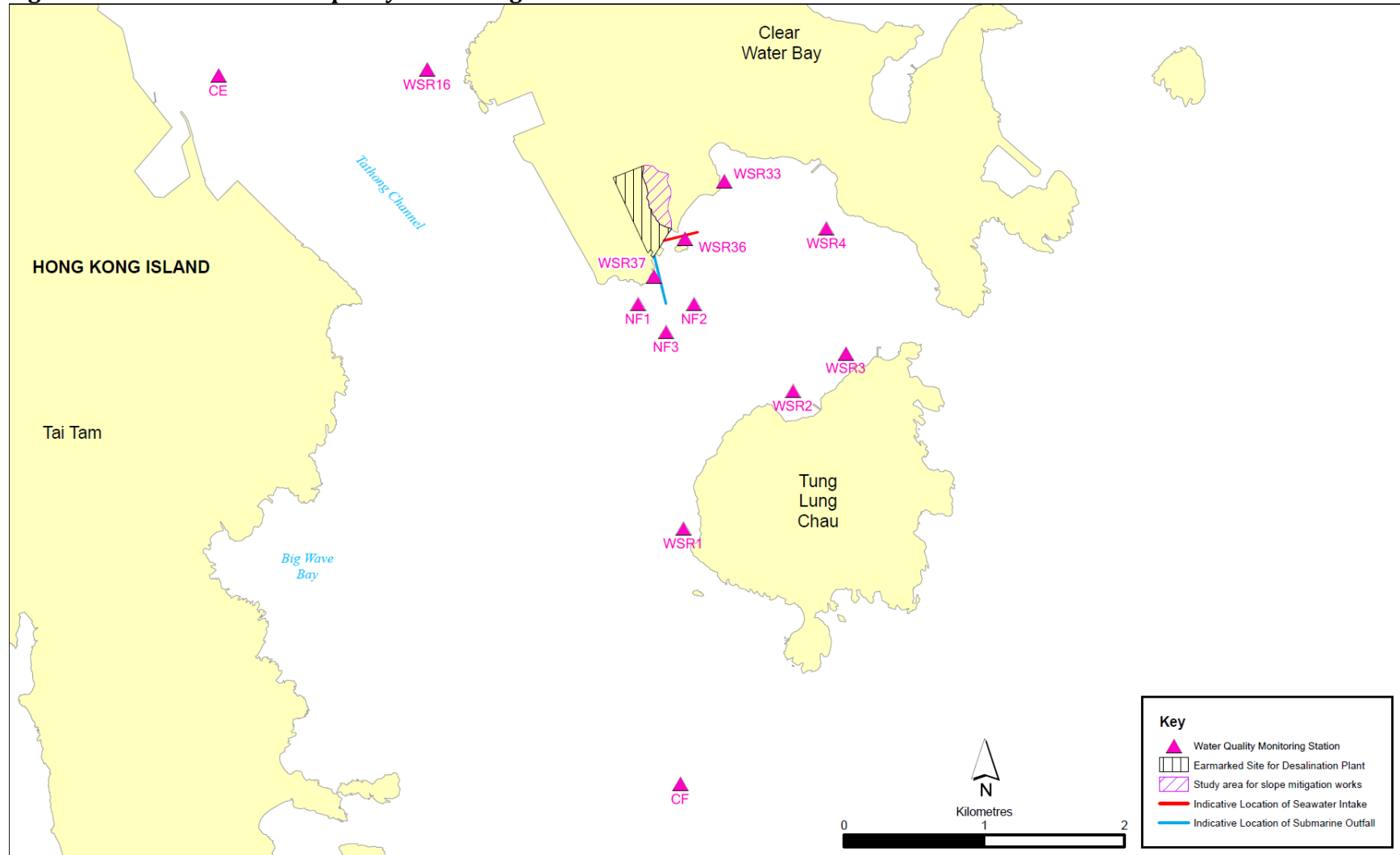
The water quality monitoring locations for baseline in accordance to the EM&A Manual and Contract Specification are shown in **Figure 3.1** respectively, and detailed in **Table 3.2** below. A schedule for water quality monitoring shall be prepared by the ET and approved by IEC and EPD prior to the commencement of the monitoring.

Table 3.2 Location of Baseline Water Quality Monitoring Station

| Station | Easting | Northing | Description |
|---------|---------|----------|---|
| CE | 843550 | 815243 | Upstream control station at ebb tide |
| CF | 846843 | 810193 | Upstream control station at flood tide |
| WSR1 | 846864 | 812014 | Ecological sensitive receiver at Tung Lung Chau |
| WSR2 | 847645 | 812993 | Fisheries sensitive receiver at Tung Lung Chau |
| WSR3 | 848023 | 813262 | Ecological sensitive receiver at Tung Lung Chau |
| WSR4 | 847886 | 814154 | Ecological sensitive receiver at Tai Miu Wan |
| WSR16 | 845039 | 815287 | Ecological sensitive receiver at Fat Tong Chau |
| WSR33 | 847159 | 814488 | Ecological sensitive receiver at Tai Miu Wan |
| WSR36 | 846878 | 814081 | Ecological sensitive receiver at Kwun Tsai |
| WSR37 | 846655 | 813810 | Ecological sensitive receiver at Tit Cham Chau |
| NF1 | 846542 | 813614 | Edge of mixing zone, ~ 200m west of outfall diffuser |
| NF2 | 846942 | 813614 | Edge of mixing zone, ~ 200m east of outfall diffuser |
| NF3 | 846742 | 813414 | Edge of mixing zone, ~ 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.

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



3.2. 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 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 turbidity-measuring 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.

3.3 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 re-calibrated 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.

3.4 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 3.3**.

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

| Parameters | Standard Methods | Detection Limit | Reporting Limit | Precision |
|-------------------------------------|---|-----------------------|-----------------------|-----------------------|
| Dissolved oxygen (mg/L) | Instrumental, CTD | 0.1 | - | ±25% |
| Temperature (°C) | Instrumental, CTD | 0.1 | - | ±25% |
| pH | Instrumental, CTD | 0.1 | - | ±25% |
| Turbidity (NTU) | Instrumental, CTD | 0.1 | - | ±25% |
| Salinity (‰) | 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 21 st Ed 4500 – Cl G ^{NOTE1} | 0.1 ^{NOTE1} | 0.2 ^{NOTE1} | ±10% ^{NOTE1} |
| 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 F**.

3.5. MONITORING PROGRAMME

The ET of the Project had conducted the baseline water monitoring between 12 May 2020 to 6 June 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 were presented in the Baseline Water Quality Monitoring Report separately.

Marine construction for the Project has been conducted in the reporting period from June 2021 to August 2021.

3.5.1. 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 3.2** 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 impact 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.

3.5.2. SAMPLING DEPTHS & REPLICATION

For impact 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. A summary of the results was recorded in the data record sheet in **Appendix I**.

3.5.3. 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**.

Table 3.4 Criteria of Action and Limit Levels for Water Quality

| Parameters | Action | Limit |
|--|---|--|
| Construction Phase Impact Monitoring | | |
| DO in mg/L | <u>Surface and Middle</u> 5%-ile of baseline data for surface and middle layer <u>Bottom</u> 5%-ile of baseline data for bottom layers <u>Tung Lung Chau Fish Culture Zone</u> 5.1 mgL ⁻¹ or level at control station (whichever the lower) | <u>Surface and Middle</u> 4 mg L ⁻¹ <u>Bottom</u> 2 mg L ⁻¹ <u>Tung Lung Chau Fish Culture Zone</u> 5.0 mgL ⁻¹ or level at control station (whichever the lower) |
| SS in mg/L (Depth-averaged) | ≥ 95 %-ile of baseline data or 20% exceedance of value at any impact station compared with corresponding data from control station | ≥ 99 %-ile of baseline data or 30% exceedance of value at any impact station compared with corresponding data from control station |
| Turbidity in NTU (Depth-averaged) | ≥ 95 %-ile of baseline data or 20% exceedance of value at any impact station compared with corresponding data from control station | ≥ 99 %-ile of baseline data or 30% exceedance of value at any impact station compared with corresponding data from control station |
| First-year Operation Phase Monitoring | | |
| DO in mg/L | <u>Surface and Middle</u> 5%-ile of baseline data for surface and middle layer <u>Bottom</u> 5%-ile of baseline data for bottom layers <u>Tung Lung Chau Fish Culture Zone</u> | <u>Surface and Middle</u> 4 mg L ⁻¹ <u>Bottom</u> 2 mg L ⁻¹ <u>Tung Lung Chau Fish Culture Zone</u> |

| | | |
|-----------------------------------|--|--|
| | 5.1 mgL ⁻¹ or level at control station (whichever the lower) | 5.0 mgL ⁻¹ or level at control station (whichever the lower) |
| SS in mg/L (Depth-averaged) | ≥ 95 %-ile of baseline data or 20% exceedance of value at any impact station compared with corresponding data from control station | ≥ 99 %-ile of baseline data or 30% exceedance of value at any impact station compared with corresponding data from control station |
| Turbidity in NTU (Depth-averaged) | ≥ 95 %-ile of baseline data or 20% exceedance of value at any impact station compared with corresponding data from control station | ≥ 99 %-ile of baseline data or 30% exceedance of value at any impact station compared with corresponding data from control station |
| Salinity in PSU (Depth-averaged) | 109% of baseline level or 9% exceedance of value at any impact station compared with corresponding data from control station | 110% of baseline level or 10% exceedance of value at any impact station compared with corresponding data from control station |
| Iron in mg/L (Depth-averaged) | 0.3 mgL ⁻¹ | 0.3 mgL ⁻¹ |

Table 3.5 Derived Action and Limit Levels for Water Quality

| Parameters | Action | Limit |
|---|---|---|
| Construction Phase Impact Monitoring | | |
| DO in mg/L | <u>Surface and Middle</u> 7.30 mg L ⁻¹ <u>Bottom</u> 7.31 mg L ⁻¹ <u>Tung Lung Chau Fish Culture Zone</u> 5.1 mgL ⁻¹ or level at control station (whichever the lower) | <u>Surface and Middle</u> 4 mg L ⁻¹ <u>Bottom</u> 2 mg L ⁻¹ <u>Tung Lung Chau Fish Culture Zone</u> 5.0 mgL ⁻¹ or level at control station (whichever the lower) |
| SS in mg/L (Depth-averaged) | 5.00 mg L ⁻¹ or 20% exceedance of value at any impact station compared with corresponding data from control station | 6.00 mg L ⁻¹ or 30% exceedance of value at any impact station compared with corresponding data from control station |
| Turbidity in NTU (Depth-averaged) | 2.41 NTU or 20% exceedance of value at any impact station compared with corresponding data from control station | 2.84 NTU or 30% exceedance of value at any impact station compared with corresponding data from control station |
| First-year Operation Phase Monitoring^{iv} | | |
| DO in mg/L | <u>Surface and Middle</u> 7.30 mg L ⁻¹ <u>Bottom</u> 7.31 mg L ⁻¹ <u>Tung Lung Chau Fish Culture Zone</u> 5.1 mgL ⁻¹ or level at control station (whichever the lower) | <u>Surface and Middle</u> 4 mg L ⁻¹ <u>Bottom</u> 2 mg L ⁻¹ <u>Tung Lung Chau Fish Culture Zone</u> 5.0 mgL ⁻¹ or level at control station (whichever the lower) |
| SS in mg/L (Depth-averaged) | 5.00 mg L ⁻¹ or 20% exceedance of value at any impact station compared with corresponding data from control station | 6.00 mg L ⁻¹ or 30% exceedance of value at any impact station compared with corresponding data from control station |

| | | |
|--------------------------------------|---|--|
| Turbidity in NTU (Depth-averaged) | 2.41 NTU or 20% exceedance of value at any impact station compared with corresponding data from control station | 2.84 NTU or 30% exceedance of value at any impact station compared with corresponding data from control station |
| Salinity in PSU (Depth-averaged) | 34.28 PSU or 9% exceedance of value at any impact station compared with corresponding data from control station | 34.60 PSU or 10% exceedance of value at any impact station compared with corresponding data from control station |
| Iron in mg/L (Depth-averaged) | 0.3 mgL ⁻¹ | 0.3 mgL ⁻¹ |

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.

3.6. 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 1, 3, 5, 8, 10, 12, 15, 17, 19, 22, 24, 26 and 29 June 2021; 1, 3, 6, 8, 10, 13, 15, 17, 20*, 22, 24, 27, 29 and 31 July 2021 and 3, 5, 7, 10, 12, 14, 17, 19, 21, 24, 26, 28 and 31 August 2021.

During the impact monitoring period between June 2021 to August 2021, one hundred and twenty-six (126) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Ninety-four (94) of the general water quality monitoring results of SS obtained during the reporting quarter had exceeded the Limit Level.

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

Investigation on the reason of exceedance has been carried out, where the exceedances of SS on 01/06, 03/06, 08/06, 22/06 and 29/06; 01/07, 03/07, 06/07, 10/07, 15/07, 17/07, 22/07, 27/07, 29/07 and 31/07; 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 were 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 L**.

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 I**.

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

| Locations | | Parameters | | | | | | | | | | | | | | | | | | | | |
|-----------|------|----------------|-------|-------|-------------------------|-------|------|--------|-------|------|------|------|------|-----------------|-----|-----|-------------------------|-------|-------|------------|------|------|
| | | Salinity (ppt) | | | Dissolved Oxygen (mg/L) | | | | | | pH | | | Turbidity (NTU) | | | Suspended Solids (mg/L) | | | Temp. (°C) | | |
| | | | | | Surface & Middle | | | Bottom | | | | | | | | | | | | | | |
| Jun | Jul | Aug | Jun | Jul | Aug | Jun | Jul | Aug | Jun | Jul | Aug | Jun | Jul | Aug | Jun | Jul | Aug | Jun | Jul | Aug | | |
| CE | Avg. | 31.25 | 30.75 | 30.24 | 9.41 | 8.82 | 8.44 | 9.27 | 8.63 | 8.42 | 8.37 | 8.21 | 8.21 | 3.2 | 3.7 | 3.5 | 2.82 | 3.67 | 4.72 | 28.5 | 29.4 | 28.2 |
| | Min. | 28.86 | 29.32 | 29.08 | 8.54 | 7.32 | 7.29 | 8.50 | 7.46 | 7.32 | 8.11 | 7.91 | 7.88 | 2.0 | 2.7 | 2.7 | 2.50 | 2.50 | 2.50 | 26.8 | 27.5 | 27.3 |
| | Max. | 32.73 | 31.99 | 31.46 | 10.39 | 9.94 | 9.74 | 10.8 | 9.81 | 9.80 | 8.66 | 8.48 | 8.53 | 4.0 | 5.1 | 4.9 | 9.20 | 12.10 | 10.00 | 30.5 | 30.5 | 29.1 |
| CF | Avg. | 31.18 | 30.68 | 30.36 | 9.43 | 8.50 | 8.42 | 9.43 | 8.52 | 8.42 | 8.38 | 8.23 | 8.14 | 3.3 | 3.6 | 3.5 | 3.20 | 4.38 | 5.48 | 28.5 | 29.3 | 28.4 |
| | Min. | 28.90 | 29.61 | 29.06 | 8.58 | 7.49 | 7.61 | 8.49 | 7.43 | 7.77 | 8.17 | 7.90 | 7.93 | 2.1 | 2.6 | 2.6 | 2.50 | 2.30 | 2.50 | 26.9 | 27.2 | 27.5 |
| | Max. | 32.65 | 31.92 | 31.64 | 10.60 | 9.73 | 9.14 | 10.6 | 9.68 | 9.24 | 8.71 | 8.50 | 8.40 | 5.0 | 5.2 | 4.6 | 12.60 | 12.00 | 10.00 | 30.2 | 30.3 | 29.2 |
| WSR1 | Avg. | 31.28 | 30.68 | 30.24 | 9.44 | 8.73 | 8.56 | 9.27 | 8.63 | 8.55 | 8.36 | 8.25 | 8.18 | 2.7 | 2.4 | 2.4 | 3.39 | 3.74 | 4.74 | 28.5 | 29.3 | 28.4 |
| | Min. | 28.84 | 29.23 | 28.60 | 8.54 | 7.35 | 7.81 | 8.37 | 7.34 | 7.97 | 8.10 | 7.91 | 7.93 | 2.1 | 1.7 | 1.6 | 2.50 | 2.10 | 2.50 | 27.1 | 27.2 | 27.5 |
| | Max. | 32.53 | 31.92 | 31.65 | 10.91 | 10.13 | 9.30 | 10.0 | 10.15 | 9.19 | 8.64 | 8.51 | 8.48 | 3.4 | 3.5 | 3.5 | 13.20 | 8.90 | 9.00 | 30.3 | 30.3 | 29.5 |
| WSR2 | Avg. | 31.27 | 30.71 | 30.39 | 9.43 | 8.69 | 8.47 | 9.43 | 8.74 | 8.39 | 8.37 | 8.23 | 8.22 | 2.6 | 2.4 | 2.5 | 3.24 | 3.99 | 5.88 | 28.6 | 29.3 | 28.5 |
| | Min. | 29.01 | 29.12 | 29.08 | 8.49 | 7.46 | 7.16 | 8.40 | 7.70 | 7.30 | 8.12 | 7.88 | 7.96 | 1.6 | 1.7 | 1.5 | 2.50 | 2.50 | 2.50 | 27.0 | 27.2 | 27.6 |
| | Max. | 32.62 | 31.91 | 31.58 | 10.35 | 10.05 | 9.47 | 11.0 | 10.02 | 9.53 | 8.69 | 8.50 | 8.52 | 3.5 | 3.2 | 3.4 | 18.00 | 9.00 | 12.00 | 30.3 | 30.3 | 29.7 |
| WSR3 | Avg. | 31.29 | 30.74 | 30.45 | 9.32 | 8.53 | 8.55 | 9.37 | 8.45 | 8.55 | 8.37 | 8.22 | 8.19 | 2.6 | 2.4 | 2.4 | 3.32 | 4.77 | 6.10 | 28.6 | 29.3 | 28.3 |
| | Min. | 28.86 | 29.27 | 29.32 | 8.59 | 7.46 | 7.33 | 8.49 | 7.39 | 7.37 | 8.14 | 7.92 | 7.94 | 1.9 | 1.5 | 1.5 | 2.50 | 2.50 | 2.50 | 27.1 | 27.2 | 27.5 |
| | Max. | 32.81 | 31.99 | 31.67 | 10.28 | 9.77 | 9.50 | 10.9 | 9.61 | 9.27 | 8.67 | 8.49 | 8.56 | 3.7 | 3.5 | 3.0 | 13.90 | 24.10 | 14.00 | 30.4 | 30.3 | 29.3 |
| WSR4 | Avg. | 31.22 | 30.70 | 30.39 | 9.33 | 8.67 | 8.33 | 9.38 | 8.52 | 8.32 | 8.37 | 8.22 | 8.17 | 2.6 | 2.5 | 2.6 | 3.25 | 3.43 | 5.28 | 28.6 | 29.4 | 28.4 |
| | Min. | 28.88 | 29.30 | 29.31 | 8.15 | 7.54 | 7.38 | 8.28 | 7.28 | 7.17 | 8.10 | 7.89 | 7.97 | 1.9 | 1.7 | 1.6 | 2.50 | 2.50 | 2.50 | 27.2 | 27.4 | 27.5 |
| | Max. | 32.78 | 32.04 | 31.49 | 10.92 | 9.80 | 9.57 | 10.8 | 9.94 | 9.58 | 8.69 | 8.51 | 8.38 | 3.5 | 3.3 | 3.5 | 15.60 | 7.50 | 10.00 | 30.3 | 30.4 | 29.6 |
| WSR16 | Avg. | 31.21 | 30.62 | 30.20 | 9.42 | 8.49 | 8.43 | 9.35 | 8.67 | 8.46 | 8.37 | 8.23 | 8.20 | 2.6 | 2.7 | 2.5 | 4.06 | 4.14 | 5.52 | 28.5 | 29.4 | 28.2 |
| | Min. | 28.81 | 29.10 | 29.16 | 8.36 | 7.30 | 7.81 | 8.56 | 7.86 | 7.51 | 8.10 | 7.93 | 7.95 | 1.8 | 1.8 | 1.7 | 2.50 | 2.50 | 2.50 | 26.8 | 27.5 | 27.3 |
| | Max. | 32.46 | 31.93 | 31.43 | 10.98 | 9.76 | 9.30 | 10.3 | 9.56 | 9.64 | 8.67 | 8.51 | 8.53 | 3.7 | 4.5 | 3.8 | 28.20 | 14.50 | 10.00 | 30.5 | 30.4 | 29.5 |
| WSR33 | Avg. | 31.25 | 30.73 | 30.25 | 9.31 | 8.64 | 8.48 | 9.38 | 8.67 | 8.42 | 8.36 | 8.24 | 8.24 | 2.6 | 2.4 | 2.4 | 3.48 | 4.07 | 6.99 | 28.6 | 29.4 | 28.3 |
| | Min. | 28.81 | 29.09 | 29.06 | 8.49 | 7.50 | 7.79 | 8.20 | 7.36 | 7.75 | 8.10 | 7.90 | 7.87 | 1.6 | 1.5 | 1.4 | 2.50 | 2.50 | 2.50 | 27.0 | 27.4 | 27.4 |
| | Max. | 32.64 | 31.87 | 31.25 | 10.54 | 9.56 | 9.58 | 10.7 | 9.99 | 9.38 | 8.69 | 8.50 | 8.59 | 3.5 | 3.2 | 3.4 | 8.50 | 9.50 | 19.00 | 30.4 | 30.3 | 29.6 |
| WSR36 | Avg. | 31.27 | 30.71 | 30.18 | 9.32 | 8.73 | 8.29 | 9.28 | 8.68 | 8.45 | 8.36 | 8.25 | 8.18 | 2.6 | 2.5 | 2.4 | 3.17 | 4.14 | 6.65 | 28.5 | 29.4 | 28.3 |
| | Min. | 28.83 | 29.24 | 28.95 | 8.72 | 7.63 | 7.10 | 8.44 | 7.30 | 7.28 | 8.10 | 7.91 | 7.90 | 1.9 | 1.6 | 1.5 | 2.50 | 2.50 | 2.50 | 27.0 | 27.5 | 27.4 |
| | Max. | 32.79 | 31.94 | 31.22 | 10.31 | 9.98 | 9.57 | 10.7 | 10.13 | 9.48 | 8.69 | 8.51 | 8.54 | 3.6 | 3.4 | 3.3 | 6.90 | 12.60 | 17.00 | 30.5 | 30.4 | 29.0 |
| WSR37 | Avg. | 31.28 | 30.71 | 30.25 | 9.45 | 8.66 | 8.38 | 9.46 | 8.74 | 8.41 | 8.38 | 8.22 | 8.16 | 2.7 | 2.5 | 2.4 | 3.63 | 4.73 | 6.85 | 28.5 | 29.4 | 28.3 |
| | Min. | 28.87 | 29.33 | 28.84 | 8.49 | 7.52 | 7.37 | 8.65 | 7.29 | 7.37 | 8.10 | 7.90 | 7.96 | 1.8 | 1.7 | 1.5 | 2.50 | 2.50 | 2.50 | 26.8 | 27.4 | 27.3 |
| | Max. | 32.54 | 31.88 | 31.30 | 10.89 | 9.81 | 9.81 | 10.7 | 9.95 | 9.84 | 8.70 | 8.49 | 8.40 | 3.4 | 3.3 | 3.6 | 10.60 | 15.80 | 15.00 | 30.5 | 30.4 | 29.1 |

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

| Locations | | Parameters | | | | | | | | | | | | | | | | | | | | |
|-----------|------|----------------|-------|-------|-------------------------|-------|------|--------|-------|------|------|------|------|-----------------|-----|-----|-------------------------|-------|-------|------------|------|------|
| | | Salinity (ppt) | | | Dissolved Oxygen (mg/L) | | | | | | pH | | | Turbidity (NTU) | | | Suspended Solids (mg/L) | | | Temp. (°C) | | |
| | | | | | Surface & Middle | | | Bottom | | | | | | | | | | | | | | |
| Jun | Jul | Aug | Jun | Jul | Aug | Jun | Jul | Aug | Jun | Jul | Aug | Jun | Jul | Aug | Jun | Jul | Aug | Jun | Jul | Aug | | |
| CE | Avg. | 30.86 | 30.59 | 30.38 | 9.37 | 8.76 | 8.55 | 9.26 | 8.49 | 8.54 | 8.40 | 8.22 | 8.21 | 3.2 | 3.8 | 3.5 | 3.45 | 4.71 | 5.24 | 28.6 | 29.6 | 28.4 |
| | Min. | 28.28 | 29.57 | 29.23 | 8.66 | 7.12 | 7.80 | 8.10 | 7.22 | 7.86 | 8.08 | 7.94 | 7.99 | 2.0 | 2.6 | 2.4 | 2.50 | 2.50 | 2.50 | 26.5 | 28.6 | 27.1 |
| | Max. | 32.50 | 31.88 | 31.26 | 10.92 | 10.26 | 9.72 | 10.3 | 9.68 | 9.65 | 8.72 | 8.49 | 8.50 | 4.2 | 5.4 | 4.5 | 13.00 | 12.80 | 10.00 | 30.5 | 30.7 | 29.4 |
| CF | Avg. | 30.92 | 30.58 | 30.04 | 9.44 | 8.55 | 8.38 | 9.35 | 8.58 | 8.37 | 8.42 | 8.23 | 8.18 | 3.1 | 3.7 | 3.7 | 3.76 | 4.39 | 5.83 | 28.7 | 29.6 | 28.8 |
| | Min. | 28.38 | 29.58 | 28.54 | 8.66 | 7.21 | 7.56 | 7.85 | 7.30 | 7.19 | 8.10 | 7.87 | 7.90 | 1.6 | 2.8 | 2.8 | 2.50 | 2.50 | 2.50 | 26.9 | 27.8 | 27.5 |
| | Max. | 32.51 | 31.83 | 30.90 | 11.15 | 10.13 | 9.63 | 10.6 | 10.10 | 9.71 | 8.72 | 8.51 | 8.46 | 4.0 | 5.2 | 5.0 | 20.10 | 9.70 | 10.00 | 30.1 | 30.6 | 30.1 |
| WSR1 | Avg. | 30.97 | 30.59 | 30.26 | 9.38 | 8.59 | 8.44 | 9.39 | 8.51 | 8.37 | 8.40 | 8.21 | 8.16 | 2.5 | 2.6 | 2.4 | 3.81 | 5.38 | 5.54 | 28.7 | 29.6 | 28.7 |
| | Min. | 28.72 | 29.46 | 29.15 | 8.17 | 7.38 | 7.52 | 8.21 | 7.29 | 7.40 | 8.04 | 7.88 | 7.80 | 1.8 | 1.3 | 1.4 | 2.50 | 2.30 | 2.50 | 26.8 | 27.9 | 27.5 |
| | Max. | 32.57 | 31.74 | 31.45 | 10.80 | 9.94 | 9.50 | 10.3 | 10.03 | 9.47 | 8.66 | 8.51 | 8.42 | 3.7 | 5.5 | 3.3 | 14.30 | 14.50 | 11.00 | 30.1 | 30.6 | 29.7 |
| WSR2 | Avg. | 30.89 | 30.55 | 30.33 | 9.33 | 8.49 | 8.34 | 9.44 | 8.49 | 8.33 | 8.40 | 8.22 | 8.15 | 2.5 | 2.4 | 2.5 | 3.80 | 5.35 | 6.12 | 28.7 | 29.6 | 28.8 |
| | Min. | 28.17 | 29.36 | 29.15 | 7.79 | 7.33 | 7.52 | 8.42 | 7.31 | 7.60 | 8.01 | 7.78 | 7.80 | 1.6 | 0.8 | 1.6 | 2.50 | 2.50 | 2.50 | 26.8 | 27.9 | 27.5 |
| | Max. | 32.23 | 31.98 | 31.41 | 10.46 | 9.59 | 9.26 | 10.7 | 10.14 | 9.08 | 8.63 | 8.47 | 8.40 | 3.6 | 3.3 | 3.5 | 23.00 | 21.20 | 14.00 | 30.1 | 30.6 | 29.9 |
| WSR3 | Avg. | 30.88 | 30.63 | 30.20 | 9.36 | 8.61 | 8.46 | 9.37 | 8.58 | 8.56 | 8.41 | 8.24 | 8.16 | 2.4 | 2.5 | 2.5 | 3.91 | 6.08 | 6.60 | 28.7 | 29.6 | 28.7 |
| | Min. | 28.24 | 29.54 | 28.78 | 8.39 | 7.28 | 7.60 | 7.80 | 7.34 | 7.14 | 8.06 | 7.85 | 7.83 | 1.5 | 1.3 | 1.8 | 2.50 | 2.50 | 2.50 | 26.9 | 28.1 | 27.4 |
| | Max. | 32.60 | 31.92 | 31.60 | 11.04 | 9.82 | 9.09 | 10.8 | 9.79 | 9.14 | 8.70 | 8.50 | 8.41 | 3.4 | 3.8 | 3.5 | 17.10 | 23.30 | 18.00 | 30.1 | 30.6 | 29.6 |
| WSR4 | Avg. | 30.95 | 30.61 | 30.07 | 9.37 | 8.63 | 8.40 | 9.26 | 8.63 | 8.38 | 8.39 | 8.23 | 8.15 | 2.5 | 2.5 | 2.5 | 3.49 | 6.39 | 5.20 | 28.7 | 29.6 | 28.7 |
| | Min. | 28.39 | 29.39 | 28.64 | 7.65 | 7.25 | 7.74 | 8.30 | 7.36 | 7.40 | 8.09 | 7.88 | 7.86 | 1.7 | 1.2 | 1.8 | 2.50 | 2.50 | 2.50 | 26.9 | 28.1 | 27.4 |
| | Max. | 32.24 | 31.82 | 31.53 | 11.13 | 10.24 | 9.20 | 10.5 | 10.27 | 9.30 | 8.72 | 8.49 | 8.44 | 3.5 | 3.4 | 3.7 | 9.50 | 24.40 | 12.00 | 30.2 | 30.7 | 29.8 |
| WSR16 | Avg. | 30.89 | 30.63 | 30.32 | 9.33 | 8.60 | 8.23 | 9.23 | 8.60 | 8.26 | 8.42 | 8.24 | 8.19 | 2.5 | 2.6 | 2.6 | 3.64 | 5.88 | 5.98 | 28.6 | 29.6 | 28.5 |
| | Min. | 28.22 | 29.51 | 29.17 | 8.31 | 7.12 | 7.59 | 7.70 | 7.34 | 7.64 | 8.01 | 7.94 | 7.84 | 1.8 | 1.6 | 1.6 | 2.50 | 2.50 | 2.50 | 26.7 | 28.4 | 27.2 |
| | Max. | 32.34 | 31.97 | 31.31 | 10.20 | 10.11 | 9.01 | 10.3 | 10.24 | 8.91 | 8.69 | 8.49 | 8.50 | 3.7 | 3.7 | 3.5 | 10.90 | 22.00 | 11.00 | 30.4 | 30.7 | 29.5 |
| WSR33 | Avg. | 30.90 | 30.58 | 30.18 | 9.37 | 8.63 | 8.53 | 9.54 | 8.57 | 8.53 | 8.41 | 8.24 | 8.19 | 2.5 | 2.4 | 2.5 | 3.55 | 6.42 | 5.95 | 28.7 | 29.6 | 28.6 |
| | Min. | 28.68 | 29.40 | 28.53 | 8.44 | 7.34 | 7.66 | 8.32 | 7.59 | 7.51 | 8.02 | 7.89 | 7.89 | 1.6 | 1.3 | 1.7 | 2.50 | 2.50 | 2.50 | 26.9 | 28.2 | 27.3 |
| | Max. | 32.26 | 31.88 | 30.91 | 10.45 | 10.19 | 9.22 | 10.6 | 10.00 | 9.34 | 8.71 | 8.50 | 8.50 | 3.4 | 3.3 | 3.7 | 6.40 | 25.60 | 11.00 | 30.4 | 30.6 | 29.2 |
| WSR36 | Avg. | 30.93 | 30.55 | 30.33 | 9.39 | 8.57 | 8.26 | 9.38 | 8.57 | 8.31 | 8.41 | 8.26 | 8.18 | 2.5 | 2.4 | 2.3 | 3.89 | 6.02 | 5.22 | 28.6 | 29.6 | 28.6 |
| | Min. | 28.23 | 29.44 | 28.63 | 7.59 | 7.40 | 7.46 | 8.28 | 7.40 | 7.70 | 8.10 | 7.92 | 7.92 | 1.7 | 1.3 | 1.5 | 2.50 | 2.50 | 2.50 | 26.8 | 28.3 | 27.3 |
| | Max. | 32.59 | 31.87 | 31.50 | 11.05 | 10.11 | 8.98 | 10.4 | 10.25 | 9.07 | 8.71 | 8.48 | 8.53 | 3.4 | 3.5 | 3.5 | 10.70 | 24.00 | 10.00 | 30.2 | 30.6 | 29.8 |
| WSR37 | Avg. | 30.92 | 30.62 | 30.20 | 9.44 | 8.57 | 8.43 | 9.44 | 8.60 | 8.45 | 8.40 | 8.24 | 8.20 | 2.6 | 2.4 | 2.5 | 4.09 | 6.44 | 6.72 | 28.6 | 29.6 | 28.6 |
| | Min. | 28.65 | 29.54 | 29.02 | 8.07 | 7.45 | 7.52 | 7.93 | 7.28 | 7.51 | 8.03 | 7.98 | 7.94 | 1.6 | 0.9 | 1.8 | 2.50 | 2.50 | 2.50 | 26.7 | 28.5 | 27.3 |
| | Max. | 32.55 | 31.88 | 31.46 | 10.59 | 10.15 | 9.23 | 11.0 | 10.01 | 9.32 | 8.64 | 8.46 | 8.50 | 3.5 | 3.7 | 3.5 | 10.00 | 28.30 | 14.00 | 30.2 | 30.6 | 29.3 |

Notes:

- i. "Avg", "Min" and "Max" is the average, minimum and maximum respectively of the data from measurements conducted under mid-flood and mid-ebb tides at three water depths, except that of DO where the data for "Surface & Middle" and "Bottom" are calculated separately.
- ii. Measurement data of Suspending Solids would be rounding to 2.5mg/L if the value was less than 2.5mg/L to facilitate data analysing.

4. WASTE

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 G**.

Table 4.1 Quantities of Waste Generated from the Project during reporting period

| Reporting Months | 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) |
| June 2021 | 4278.380 | 0 | 0 | 0 | 4278.380 | 0 | 0.001 | 0.088 | 0.005 | 0 | 91.540 |
| July 2021 | 365.150 | 0 | 0 | 0 | 365.150 | 0 | 0.003 | 0.120 | 0.005 | 0 | 65.770 |
| August 2021 | 42.340* | 0 | 0 | 0 | 42.340* | 0 | 0.000 | 1.260 | 5.510 | 0 | 74.070 |

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

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

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 was 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

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 conducted in August 2021. No landfill gas monitoring was conducted between June and July 2021.

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 Landfill Gas Monitoring Equipment

| Parameters | Action Level | Limit Level |
|-----------------------------------|-----------------------|-----------------------|
| Oxygen (O ₂) | <19% O ₂ | <19% O ₂ |
| Methane (CH ₄) | >10% LEL | >80% LEL |
| Carbon Dioxide (CO ₂) | >0.5% CO ₂ | >1.5% CO ₂ |

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% v/v; |
| Oxygen | 0-25% v/v; |
| Carbon dioxide | 0-5% v/v; and |
| Barometric pressure | mBar (absolute) |

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

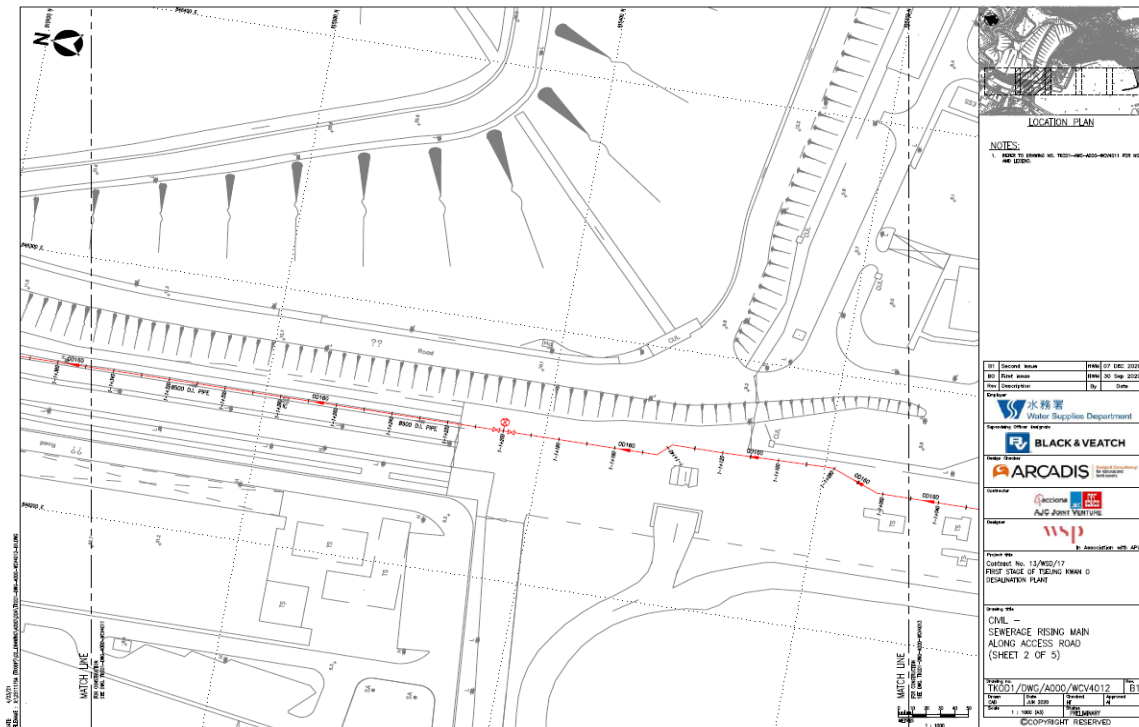
| | |
|---------------------|-----------------|
| Methane | >10% LEL; |
| Oxygen | <19% |
| Carbon dioxide | >0.5% by volume |
| Barometric pressure | mBar (absolute) |

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



48 times of landfill gas monitoring was recorded in August 2021. 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. No landfill gas monitoring was conducted between June and July 2021.

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

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

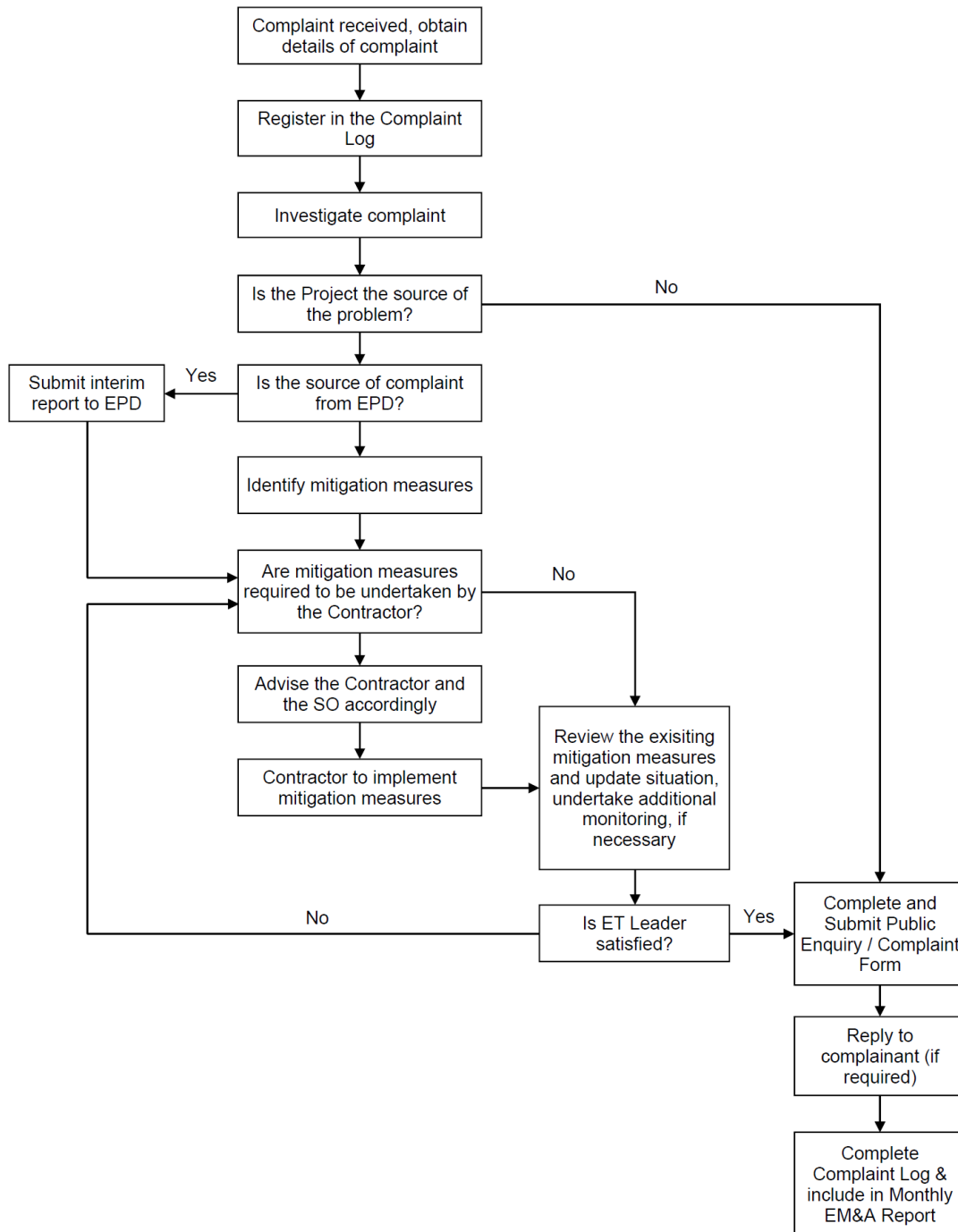


Figure 6.1 Environmental Complaint Handling Procedures

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. No project-related exceedance of the Action Level was recorded during the reporting period.

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

General water quality monitoring at the ten monitoring stations (CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36 and WSR37) were conducted on 1, 3, 5, 8, 10, 12, 15, 17, 19, 22, 24, 26 and 29 June 2021; 1, 3, 6, 8, 10, 13, 15, 17, 20*, 22, 24, 27, 29 and 31 July 2021 and 3, 5, 7, 10, 12, 14, 17, 19, 21, 24, 26, 28 and 31 August 2021.

During the impact monitoring period between June 2021 to August 2021, one hundred and twenty-six (126) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Ninety-four (94) of the general water quality monitoring results of SS obtained during the reporting quarter had exceeded the Limit Level.

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

Investigation on the reason of exceedance has been carried out, where the exceedances of SS on 01/06, 03/06, 08/06, 22/06 and 29/06; 01/07, 03/07, 06/07, 10/07, 15/07, 17/07, 22/07, 27/07, 29/07 and 31/07; 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 were 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 L**.

48 times of landfill gas monitoring was recorded in August 2021. 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. No landfill gas monitoring was conducted between June and July 2021.

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.

Joint site inspections were also carried out by ET and IEC on 8, 15, 22 and 30 June 2021, 6, 13, 20 and 30 July 2021 and 3, 10, 17, 24 and 31 August 2021.

Minor deficiencies were observed during weekly site inspection. Key observations during the site inspections are summarized below:

- Storage of chemicals and construction materials on-site was not conducted properly
- Sorting of different types of C&D waste materials on-site was not conducted properly
- Gullies were not protected properly by sandbags and geo-textiles
- Water holding capacity of temporary sump pits

The Contractor has rectified the observations identified during environmental site inspections in the reporting period.

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**.

8. CONCLUSIONS AND RECOMMENDATIONS

This is the 6th Quarterly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 June 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.

The baseline water monitoring had been conducted between 12 May 2020 to 6 Jun 2020 at the thirteen designated monitoring stations and the six designated monitoring at waters near TKO. The EM&A works for water quality were conducted during the reporting period in accordance with the EM&A Manual.

General water quality monitoring at the ten monitoring stations (CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36 and WSR37) were conducted on 1, 3, 5, 8, 10, 12, 15, 17, 19, 22, 24, 26 and 29 June 2021; 1, 3, 6, 8, 10, 13, 15, 17, 20*, 22, 24, 27, 29 and 31 July 2021 and 3, 5, 7, 10, 12, 14, 17, 19, 21, 24, 26, 28 and 31 August 2021.

During the impact monitoring period between June 2021 to August 2021, one hundred and twenty-six (126) of the general water quality monitoring results of suspended solids (SS) obtained had exceeded the Action Level. Ninety-four (94) of the general water quality monitoring results of SS obtained during the reporting quarter had exceeded the Limit Level.

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

Investigation on the reason of exceedance has been carried out, where the exceedances of SS on 01/06, 03/06, 08/06, 22/06 and 29/06; 01/07, 03/07, 06/07, 10/07, 15/07, 17/07, 22/07, 27/07, 29/07 and 31/07; 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 were 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 L**.

Weekly environmental site inspection was conducted during the reporting period. Minor deficiency was observed during site inspection and was rectified. The environmental performance of the project was therefore considered satisfactory.

According to the environmental site inspections performed in the reporting period, the Contractor is reminded to pay attention on maintaining proper materials storage.

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.

48 times of landfill gas monitoring was recorded in August 2021. 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. No landfill gas monitoring was conducted between June and July 2021.

Appendix A

Master Programme

| Activity ID | Activity Name | Calendar | Original Duration | Early Start | Early Finish | Total Float | 2020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2021 | | | | | | | | | | | | 2022 | | | | | | | | | | | | 2023 | | | | | | | | | | | |
|--|--|----------|-------------------|-------------|--------------|-------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|--|--|--|--|--|--|--|--|--|--|---------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | 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 | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | | | | | | | | | | | | | | | | | | |
| Programme of the Works | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Key Dates | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Commencement and Completion Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KD0000100 | Letter of Acceptance | IWP0 - 7 | 0 | 15-Nov-19 | | 0 | ◆ Letter of Acceptance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KD0000110 | Commencement of the Works | IWP0 - 7 | 0 | 30-Dec-19 | | 0 | ◆ Commencement of the Works | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KD0000120 | Completion of the Works (1170 Days) | IWP0 - 7 | 0 | | 13-Mar-23 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ◆ Completion of the Works (1170 Days) | | | | | | | | | | | |
| KD0000130 | EOT Granted for Completion of the Works (150.5 Days) | IWP0 - 7 | 151 | 14-Mar-23 | 11-Aug-23 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EOT Grant | | | | | | | | | | | |
| KD0000500 | Extended Completion of the Works | IWP0 - 7 | 0 | | 11-Aug-23 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ◆ Extended C | | | | | | | | | | | |
| KD0000510 | Planned Completion of the Works incl. DfMA | IWP0 - 7 | 0 | | 25-May-23 | 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ◆ Planned Completion of t | | | | | | | | | | | |
| Executive Summaries | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Setup | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0001000 | Mobilization and Preliminary Set Up | IWP0 - 7 | 204 | 30-Dec-19 | 20-Jul-20 | 117 | Mobilization and Preliminary Set Up | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Civil Design AIP and DDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0001010 | AIP Civil Design Submission and Approval | IWP0 - 7 | 246 | 30-Dec-19 | 31-Aug-20 | 105 | AIP Civil Design Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0001020 | DDA Civil Design Submission and Approval | IWP0 - 7 | 613 | 22-Jan-20 | 25-Sep-21 | 85 | DDA Civil Design Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M&E Design AIP and DDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002000 | M&E AIP Process Mechanical Submission and Approval | IWP0 - 7 | 359 | 30-Dec-19 | 22-Dec-20 | 109 | M&E AIP Process Mechanical Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002010 | M&E DDA Process Mechanical Submission and Approval | IWP0 - 7 | 432 | 21-Jul-20 | 25-Sep-21 | 108 | M&E DDA Process Mechanical Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002020 | M&E AIP Instrumentation & Control Submission and Approval | IWP0 - 7 | 22 | 04-Feb-20 | 25-Feb-20 | 779 | M&E AIP Instrumentation & Control Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002030 | M&E DDA Instrumentation & Control Submission and Approval | IWP0 - 7 | 360 | 13-Feb-21 | 07-Feb-22 | 150 | M&E DDA Instrumentation & Control Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002050 | M&E DDA Electrical and Renewable Energy Submission and Approval | IWP0 - 7 | 137 | 17-Aug-20 | 31-Dec-20 | 83 | M&E DDA Electrical and Renewable Energy Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002060 | M&E AIP Building Services Submission and Approval | IWP0 - 7 | 306 | 30-Dec-19 | 30-Oct-20 | 117 | M&E AIP Building Services Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002065 | M&E Design Basis & Civil Guidance Dwg | IWP0 - 7 | 208 | 30-Dec-19 | 24-Jul-20 | 263 | M&E Design Basis & Civil Guidance Dwg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002070 | M&E DDA Building Services Submission and Approval | IWP0 - 7 | 487 | 01-Mar-20 | 30-Jun-21 | 31 | M&E DDA Building Services Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002085 | M&E AIP Site Electrical Submission and Approval | IWP0 - 7 | 124 | 21-Mar-20 | 22-Jul-20 | 215 | M&E AIP Site Electrical Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002090 | M&E DDA Lift Submission and Approval | IWP0 - 7 | 224 | 01-Oct-20 | 12-May-21 | 68 | M&E DDA Lift Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002095 | M&E DDA Site Electrical Submission and Approval | IWP0 - 7 | 317 | 23-Jul-20 | 04-Jun-21 | 129 | M&E DDA Site Electrical Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002100 | M&E AIP T&C Design Submission and Approval | IWP0 - 7 | 126 | 01-Aug-21 | 04-Dec-21 | 175 | M&E AIP T&C Design Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002110 | M&E DDA T&C Design Submission and Approval | IWP0 - 7 | 60 | 05-Dec-21 | 02-Feb-22 | 175 | M&E DDA T&C Design Submission and Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Procurement 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 Procurement of Major Plant, Equipment, Material and Delivery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES2420 | M&E Procurement of Mechanical Equipment - Intake Pumps | IWP0 - 7 | 682 | 04-Feb-20 | 16-Dec-21 | 160 | M&E Procurement of Mechanical Equipment - Intake Pumps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES2430 | M&E Procurement of Mechanical Equipment - ActiDAFF Underdrain | IWP0 - 7 | 469 | 02-Aug-20 | 13-Nov-21 | 83 | M&E Procurement of Mechanical Equipment - ActiDAFF Underdrain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES2440 | M&E Procurement of Mechanical Equipment - ActiDAFF Media | IWP0 - 7 | 485 | 23-Jul-20 | 19-Nov-21 | 152 | M&E Procurement of Mechanical Equipment - ActiDAFF Media | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES2450 | M&E Procurement of Mechanical Equipment - RO and ERD Rack | IWP0 - 7 | 486 | 22-Jul-20 | 19-Nov-21 | 133 | M&E Procurement of Mechanical Equipment - RO and ERD Rack | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES2460 | M&E Procurement of Mechanical Equipment - RO Membrane | IWP0 - 7 | 945 | 12-Feb-20 | 13-Sep-22 | 124 | M&E Procurement of Mechanical Equipment - RO Membrane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES2470 | M&E Procurement of Electrical Equipment - CLP Substation for LV Switchboard / Genset / Building Services | IWP0 - 7 | 352 | 14-Mar-20 | 28-Feb-21 | 1 | M&E Procurement of Electrical Equipment - CLP Substation for LV Switchboard / Genset / Building Services | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132kV Substation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0001460 | Excavation and Formation Works for 132kV Substation | IWP0 - 7 | 65 | 19-Feb-20 | 23-Apr-20 | 3 | Excavation and Formation Works for 132kV Substation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0001470 | Construction of 132kV Substation | IWP0 - 7 | 248 | 27-Apr-20 | 30-Dec-20 | 0 | Construction of 132kV Substation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0001480 | Architectural Finishes for 132kV Substation | IWP0 - 7 | 120 | 23-Nov-20 | 22-Mar-21 | 0 | Architectural Finishes for 132kV Substation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0002240 | M&E Installation of 132kV Substation | IWP0 - 7 | 112 | 01-Dec-20 | 22-Mar-21 | 0 | M&E Installation of 132kV Substation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Combine Shaft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES0001060 | Construction of Combine Shaft | IWP0 - 7 | 425 | 02-May-20 | 30-Jun-21 | 0 | Construction of Combine Shaft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Appendix B

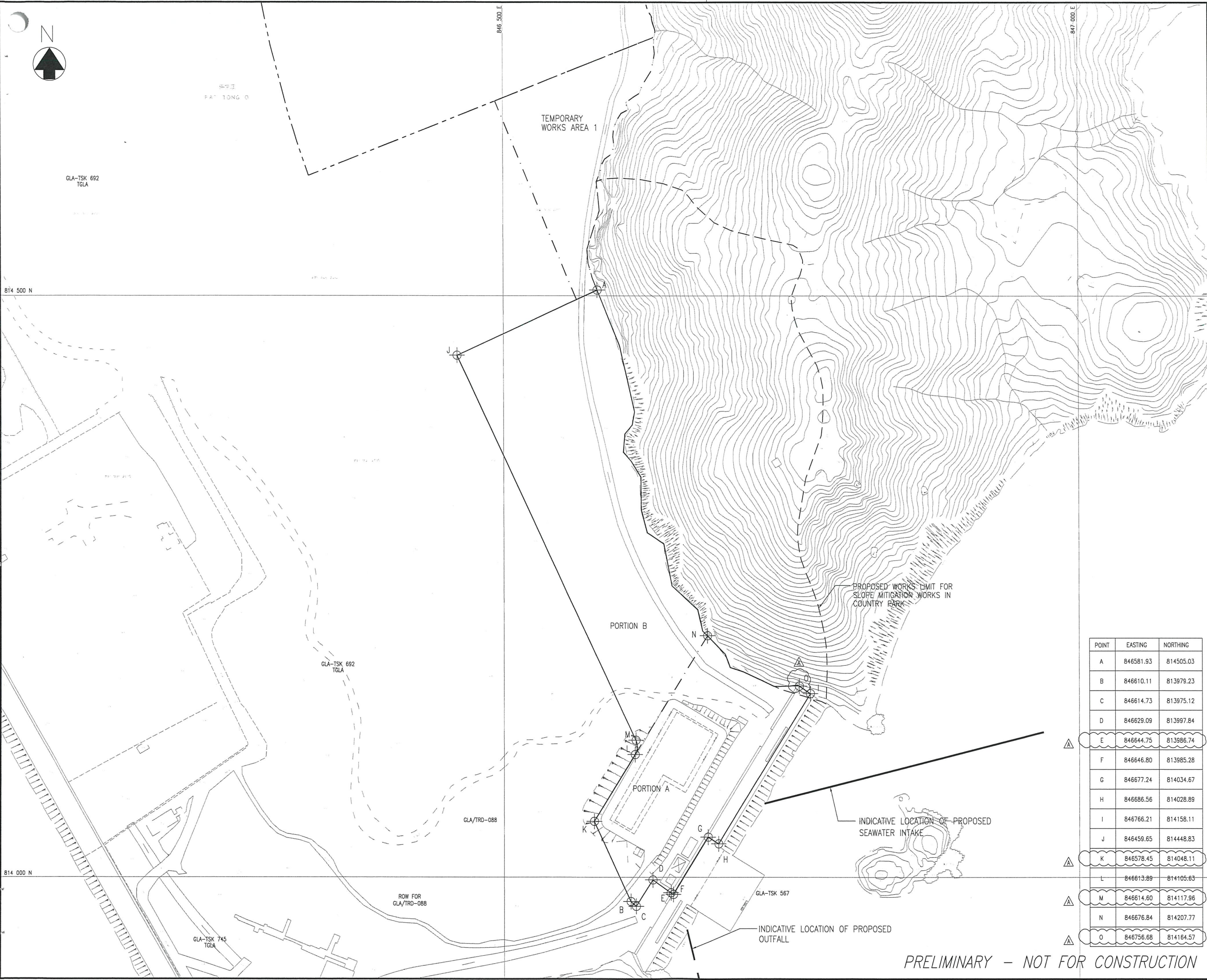
Overview of Desalination Plant in Tseung Kwan O

LEGEND:

- BOUNDARY OF SENT LANDFILL EXTENSION
- BOUNDARY OF WORKS AREA FOR TKO DESALINATION PLANT
- - - SITE PHASING
- ALLOCATED LAND BOUNDARIES

NOTE:

TEMPORARY WORKS AREA 1 WILL BE HANDED OVER AT +6 MPD WITH A TOLERANCE OF ±500mm.



| B | 10/03 | UPDATE NOTES | YLC |
|----------|----------|--------------------|---------|
| A | 07/18 | UPDATE COORDINATES | YLC |
| Revision | Date | Description | Initial |
| | Designed | Checked | Drawn |
| Initial | YLC | CKH | SZ |
| Date | 02/18 | 02/18 | 02/18 |

Approved
Christina Go

Agreement No. CE 8/2015 (WS)

Contract No. 13/WSD/17

Contract Title
DESIGN, BUILD AND OPERATE FIRST STAGE OF TSEUNG KWAN O DESALINATION PLANT

Drawing Title
SITE HANDOVER WORKS AREAS

| Drawing No. | Revision |
|-----------------------|----------|
| 190495/K/TEND/10/0003 | B |

Scale A1 1 : 1500
A3 1 : 3000



| POINT | EASTING | NORTHING |
|-------|-----------|-----------|
| A | 846581.93 | 814505.03 |
| B | 846610.11 | 813979.23 |
| C | 846614.73 | 813975.12 |
| D | 846629.09 | 813997.84 |
| E | 846644.75 | 813986.74 |
| F | 846646.80 | 813985.28 |
| G | 846677.24 | 814034.67 |
| H | 846686.56 | 814028.89 |
| I | 846766.21 | 814158.11 |
| J | 846459.65 | 814448.83 |
| K | 846578.45 | 814048.11 |
| L | 846613.89 | 814105.63 |
| M | 846614.60 | 814117.96 |
| N | 846676.84 | 814207.77 |
| O | 846756.68 | 814164.57 |

PRELIMINARY - NOT FOR CONSTRUCTION

BUILDINGS IN FIRST STAGE

| CODE | NAME OF BUILDING | TOTAL G.F.A. (m ²) | SITE COVERAGE (m ²) |
|---------|--|--------------------------------|---------------------------------|
| B | COMBINE SHAFT | 759,876 | 759,876 |
| C | ACTIDAFF | 1027,547 | 545,346 |
| G | REVERSE OSMOSIS BUILDING AND ELECTRICAL BUILDING | 451,455 | 536,935 |
| H | CO2 TANKS AREA | - | - |
| J | PRODUCT WATER STORAGE TANK, PUMP STATION AND ELECTRICAL BUILDING | 1974,610 | 2933,980 |
| K | SLUDGE TREATMENT BUILDING, TANK AND PUMP ROOM | 2531,044 | 1228,361 |
| M | ADMINISTRATION BUILDING & ELECTRICAL BUILDING C | 2450,713 | 1114,062 |
| N | MAIN ELECTRICAL AND CENTRAL CHILLER PLANT BUILDING | - | 499,893 |
| R1 | ELECTROCHLORINATION BUILDING & ELECTRICAL BUILDING A | 657,992 | 825,776 |
| S | 132 KV SUBSTATION | - | 943,560 |
| T | IRRIGATION WATER TANK AND PUMP ROOM | - | 156,148 |
| R2 | CHEMICAL BUILDING | 813,056 | 813,056 |
| V | VISITOR GALLERY | 1330,410 | 1330,410 |
| X1 | GUARD HOUSE AND FS CONTROL ROOM | 39,585 | 39,585 |
| X2 | GUARD HOUSE | 22,035 | 22,035 |
| Y | R + D OUTDOOR | - | - |
| Z | WASTE WATER TREATMENT PLANT | 48,000 | 48,000 |
| TOTAL = | | 25175,323 | 21490,023 |

LEGEND / ABBREVIATION

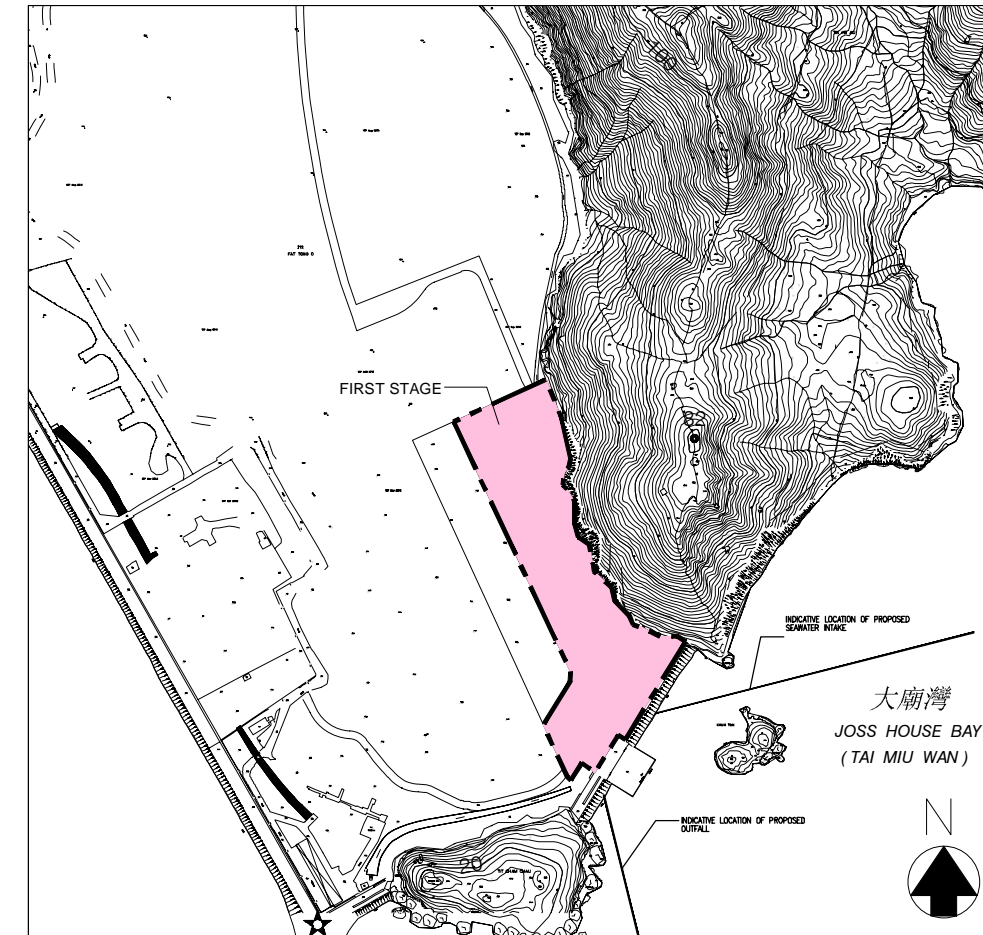
- H.L. WINDOW HIGH LEVEL WINDOW
- M.L. METAL LOUVRES
- C.L. CAT LADDER
- A.U.T. ACCESSIBLE UNISEX TOILET
- ⊕ PROPOSED FINISH FLOOR LEVEL IN METER ABOVE P.D.
- ⊖ STRUCTURAL FLOOR LEVEL IN METER ABOVE P.D.
- M.V.I.A.L. MECHANICAL VENTILATION & ARTIFICIAL LIGHTING
- F.E. 4.5kg CO₂ FIRE EXTINGUISHER
- H.R. HOSE REEL
- ⊙ FIREMANS LIFT
- ⊙ LIFT FOR THE BARRIER FREE ACCESS
- P.D. PIPE DUCT

PLOT RATIO & SITE COVERAGE CALCULATION:

| | | |
|------------------------------|---|--------------------------|
| SITE AREA OF THE FIRST STAGE | = | 56108 m ² |
| TOTAL G.F.A. | = | 25092.141 m ² |
| TOTAL SITE COVERAGE | = | 21414.841 m ² |
| PLOT RATIO | = | 25092.141 / 56108 |
| | = | 0.447 < PERMITTED |
| SITE COVERAGE | = | 21414.841 / 56108 x 100 |
| | = | 38.167% |

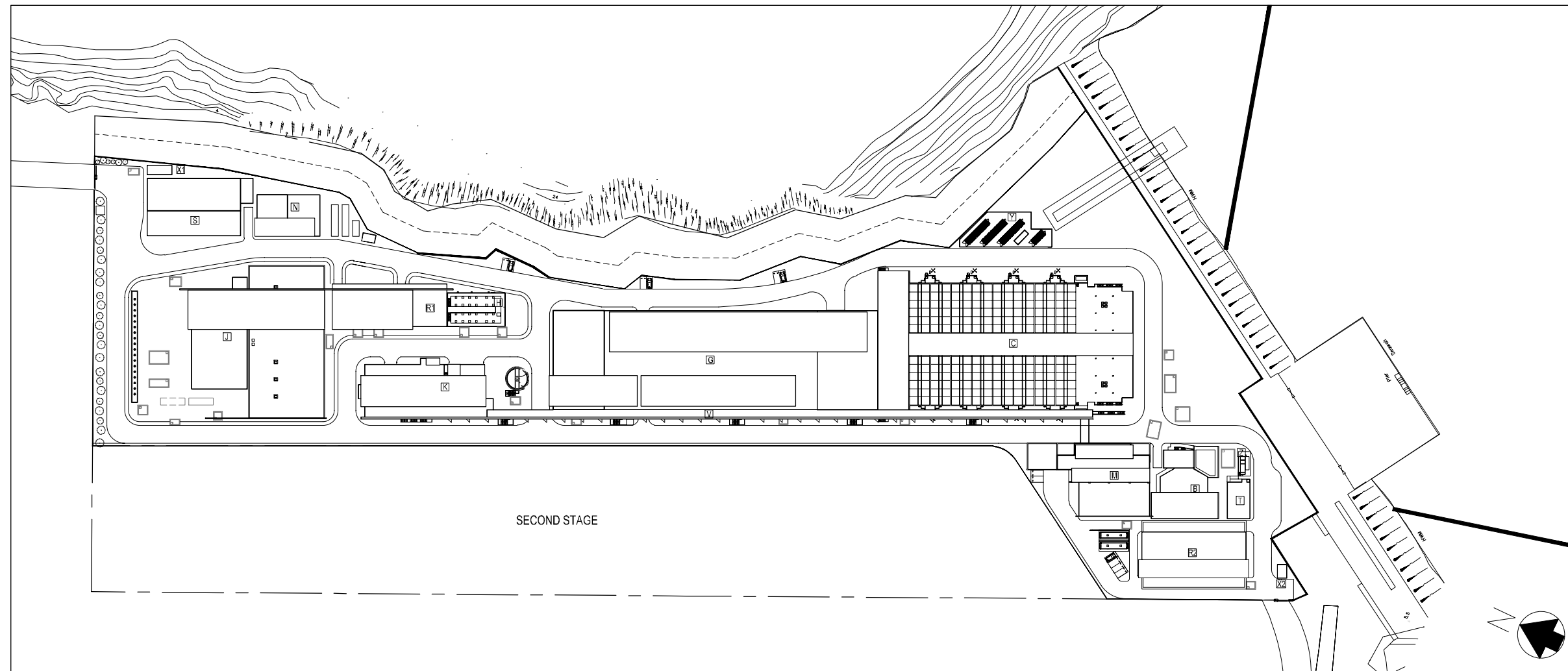
SITE LOCATION PLAN

1 : 5000



FIRST STAGE OF TSEUNG KWAN O DESALINATION PLANT

1 : 1000



| | | | |
|---|-------------------|---------|----------|
| 0 | TENDER SUBMISSION | CAD | JAN 19 |
| Rev | Description | By | Date |
| Employer | | | |
| | | | |
| Employer's Consultant | | | |
| | | | |
| Tenderer | | | |
| | | | |
| Designer | | | |
| | | | |
| Project title | | | |
| CONTRACT NO. 13/WSD/17 | | | |
| DESIGN, BUILD AND OPERATE FIRST STAGE OF TSEUNG KWAN O DESALINATION PLANT | | | |
| Drawing title | | | |
| ARCHITECTURAL – PLOT RATIO AND SITE COVERAGE CALCULATION, LEGEND ABBREVIATION | | | |
| Drawing no. | | Rev. | |
| TKO/AJC/W/A000/AR/001 | | 0 | |
| Drawn | Date | Checked | Approved |
| OKAL | JAN 19 | S.C. | T.C. |
| Scale | N.T.S. | Status | - |

Appendix C

Summary of Implementation Status of Environmental Mitigation

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation status | Relevant Legislation & Guidelines |
|--------------------|--|---|----------------------|----------------------|---|---|-----------------------|---|
| | | | | D | C | O | | |
| Air Quality | | | | | | | | |
| 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 | |

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation status | Relevant Legislation & Guidelines |
|---------------|--|---|----------------------|----------------------|---|---|-------------------------------|--|
| | | | | D | C | O | | |
| 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, reminder issued | |
| S4.8.1 | Temporary stockpiles of dusty materials will be either covered entirely by impervious sheets or sprayed with water to maintain the entire surface wet all the time. | Land site/ During construction | Contractor(s) | | ✓ | | 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) | | ✓ | | Implemented | |
| 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) | | ✓ | ✓ | 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 | |

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation status | Relevant Legislation & Guidelines |
|---------------|---|---|---|----------------------|---|---|-----------------------|-----------------------------------|
| | | | | D | C | O | | |
| 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

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation status | Relevant Legislation & Guidelines |
|---------------|---|---|----------------------|----------------------|---|---|-----------------------|---|
| | | | | D | C | O | | |
| 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 Quiet 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, |

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation status | Relevant Legislation & Guidelines |
|---------------|--|---|----------------------|----------------------|---|---|-----------------------|---|
| | | | | D | C | O | | |
| | 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 | A Practical Guide for the Reduction of Noise from Construction Works, |
| S5.7 | Construction activities (e.g. excavation/shoring, reinstatement (asphalt), and pipe jacking) will be planned and carried out in sequence, such that items of PME proposed for these activities will not be operated simultaneously. | Noise control/ During construction | Contractor(s) | ✓ | ✓ | | Implemented | A Practical Guide for the Reduction of Noise from Construction Works |
| 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 | A Practical Guide for the Reduction of Noise from Construction Works |
| S5.7 | Noise enclosures or acoustic sheds would be used to cover stationary PME such as generators. Portable/Movable noise enclosure made of material with superficial surface density of at least 7 kg m ⁻² may be used for screening the noise from operation of the saw/groover, concrete. | Noise control/ Pre-construction/ During construction | Contractor(s) | ✓ | ✓ | | N/A | |
| S5.9 | Sawcutting pavement, breaking up of pavement, excavation /shoring, pipe laying, backfilling, reinstatement (concrete) and pipe jacking shall be scheduled outside the examination period. | Noise control/ Pre-construction/ During construction | Contractor(s) | ✓ | ✓ | | N/A | |

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation status | Relevant Legislation & Guidelines |
|---------------|--|--|--|----------------------|---|---|-----------------------|-----------------------------------|
| | | | | D | C | O | | |
| 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

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



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|----------------------|--|---|----------------------|----------------------|---|---|-------------------------------|-----------------------------------|
| | | | | D | C | O | | |
| 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) | | ✓ | | 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) | | ✓ | | N/A | - |
| S6.9 | All vessels should be well maintained and inspected before use to limit any potential discharges to the marine environment. | Marine Dredging/ During construction | Contractor(s) | | ✓ | | Implemented | - |
| S6.9 | All vessels must have a clean ballast system. | Marine Dredging/ During construction | Contractor(s) | | ✓ | | Implemented | - |
| S6.9 | No discharge of sewage/grey wastewater should be allowed. Waste water from potentially contaminated area on working vessels should be minimized and collected. These kinds of wastewater should be brought back to port and discharged at appropriate collection and treatment system. | Marine Dredging/ During construction | Contractor(s) | | ✓ | | Implemented, reminded issued. | - |
| S6.9 | No soil waste is allowed to be disposed overboard. | Marine Dredging/ During construction | Contractor(s) | | ✓ | | N/A | - |

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



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|---------------|---|---|----------------------|----------------------|---|---|---|--|
| | | | | D | C | O | | |
| 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, observation and reminder issued. Rectified after observation | ProPECC PN 1/94 TM Standard under the WPCO |
| S6.9 | Earthworks to form the final surfaces will be followed up with surface protection and drainage works to prevent erosion caused by rainstorms. | Land site & drainage/ During construction | Contractor(s) | | ✓ | | 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) | ✓ | ✓ | | Implemented, reminder issued. | 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 | - |

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



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|----------------|--|---|----------------------|----------------------|---|---|-----------------------|--|
| | | | | D | C | O | | |
| S6.9 | Temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge, if any, will be adequately designed for the controlled release of storm flows. | Land site & drainage/ During construction | Contractor(s) | | ✓ | | Implemented | - |
| S6.9 | The temporary diverted drainage, if any, will be reinstated to the original condition when the construction work has finished or when the temporary diversion is no longer required. | Land site & drainage/ During construction | Contractor(s) | | ✓ | | Implemented | - |
| S6.9 | Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the construction workers over the construction site to prevent direct disposal of sewage into the water environment. | Land site & drainage/ During construction | Contractor(s) | | ✓ | | Implemented | - |
| S6.9 and S6.12 | The sterilization water should be dechlorinated with total residual chlorine (TRC) level below 1 mg/L before discharge to public sewer. In situ testing of TRC should also be conducted for the discharge of chlorinated water for pipeline disinfection to ensure sufficient dechlorination before discharge to public sewer. | Sterilization of water mains prior to commissioning | Contractor(s) | | ✓ | ✓ | N/A | Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems Inland and Coastal Waters |
| S6.9 | The cleaning and flushing water should also be treated and desilted to the relevant discharge requirement stipulated in TM-DSS before discharging. | Sterilization of water mains prior to commissioning | Contractor(s) | | ✓ | ✓ | N/A | Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems Inland and Coastal Waters |

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



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|---------------|--|---|--|----------------------|---|---|--|-----------------------------------|
| | | | | D | C | O | | |
| 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

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



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|-------------------------|--|---|-------------------------|-------------------------|---|---|-------------------------------|---|
| | | | | D | C | O | | |
| Waste Management | | | | | | | | |
| 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, reminder issued. | DEVB TC(W) No. 8/2010, Enhanced Specification for Site Cleanliness and Tidiness. |
| S8.5 | A waste management plan (WMP) as stated in the "ETWB TC(W) No. 19/2005, Environmental Management on Construction Sites" for the amount of waste generated, recycled and disposed of (including the disposal sites) will be established and implemented during the construction phase as part of the Environmental Management Plan (EMP). The Contractor will be required to prepare the EMP and submits it to the Architect/ Engineer under the Contract for approval prior to implementation. | All area/ During construction | Contractor(s) | | ✓ | | Implemented | ETWB TC(W) No. 19/2005, Environmental Management on Construction Sites |
| S8.5 | Separation of chemical wastes for special handling and appropriate treatment at the Chemical Waste Treatment Centre at Tsing Yi. | All area/ During construction | Contractor(s) | | ✓ | | 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) |

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation Status | Relevant Legislation & Guidelines |
|---------------|---|---|-------------------------|-------------------------|---|---|--|---|
| | | | | D | C | O | | |
| S8.5 | A recording system for the amount of wastes generated/ recycled and disposal sites. The trip-ticket system will be included as one of the contractual requirements and implemented by the contractor(s). | Land site/ During construction | Contractor(s) | | ✓ | | Implemented | DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction & Demolition Materials |
| S8.5 | Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of material and their proper disposal. | Land site/ During construction/ During operation | Contractor(s) | | ✓ | | Implemented | WBTC 32/92, The Use of Tropical Hard Wood on Construction Site |
| S8.5 | Encourage collection of aluminium cans and waste paper by individual collectors during construction with separate labelled bins provided to segregate these wastes from other general refuse by the workforce. | Land site/ During construction | Contractor(s) | | ✓ | | Implemented | ETWB TCW No. 33/2002, Management of Construction and Demolition Material Including Rock |
| S8.5 | Any unused chemicals and those with remaining functional capacity will be recycled as far as possible. | Land site/ During construction | Contractor(s) | | ✓ | | N/A | - |
| 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, rectified after observation. Reminder 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 | - |
| S8.5 | A Sediment Quality Report (SQR) for sampling and chemical testing of the sediment will be prepared and submitted to the EPD for approval. The approved detailed sampling and chemical testing will be carried out prior to the commencement of the dredging activities to confirm the sediment disposal method. | Marine works/ During construction | Contractor(s) | | ✓ | | N/A | ETWB TC(W) No. 34/2002 and Dumping at Sea Ordinance (DASO) |
| S8.5 | The management of dredged/ excavated sediment | Marine works/ During | WSD/ | | ✓ | | Implemented | ETWB TC(W) No. 34/2002 |

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation Status | Relevant Legislation & Guidelines |
|---------------|---|---|--|-------------------------|---|---|--------------------------|---|
| | | | | D | C | O | | |
| | management requirement from <i>ETWB TC(W) No. 34/2002</i> will be incorporated in the Specification of the Contract Documents. | construction | Contractor(s) | | | | | and Dumping at Sea Ordinance (DASO) |
| S8.5 | The contractor will open a billing account with EPD in accordance with the Waste Disposal (Charges for Disposal of Construction Waste) Regulation for the payment of disposal charges. | Contract 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) |

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



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|---------------|---|---|-------------------------|-------------------------|---|---|-------------------------------|--|
| | | | | D | C | O | | |
| S8.5 | Open stockpiles of excavated/ fill materials or construction wastes on-site should be covered with tarpaulin or similar fabric. | Land site/ During Construction, particularly dry season | Contractor(s) | | ✓ | | Implemented, reminder issued. | Air Pollution Control (Construction Dust) Regulation (Cap 311R) |
| S8.5 | Chemical waste container shall be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed. | All area/ During construction/ During operation | Contractor(s)/ WSD | | ✓ | ✓ | 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 |
| S8.5 | Storage areas for chemical waste shall have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest. | All area/ During construction/ During operation | Contractor(s)/ WSD | | ✓ | ✓ | 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 |

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation Status | Relevant Legislation & Guidelines |
|---------------|--|---|-------------------------|-------------------------|---|---|--------------------------|--|
| | | | | D | C | O | | |
| 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 |
| S8.5 | Adequate number of waste containers will be provided to avoid over-spillage of waste. | All area/ During construction/ During operation | Contractor(s)/ WSD | | ✓ | ✓ | Implemented | DEVB TC(W) No. 8/2010 Enhanced Specification for Site Cleanliness and Tidiness. |
| S8.5 | A reputable waste collector will be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimise odour, pest and litter impacts. | All area/ During construction/ During operation | Contractor(s)/ WSD | | ✓ | ✓ | 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) | | ✓ | | Implemented | - |
| S8.5 | The burning of refuse on construction sites is prohibited by law. | All area/ During construction | Contractor(s) | | ✓ | | 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 | - |

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



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|---------------|---|---|-------------------------|-------------------------|---|---|--------------------------|--------------------------------------|
| | | | | D | C | O | | |
| | implemented throughout the construction phase. | | | | | | | |

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

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



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|----------------|--|--|-------------------------|-------------------------|---|---|--------------------------|--------------------------------------|
| | | | | D | C | O | | |
| Ecology | | | | | | | | |
| S9.7 | For slope mitigation works within the Clear Water Bay Country Park, to avoid tree felling and damages to trees, the exact locations of the flexible barrier foundation plates, soil nails and rock dowels can be adjusted during detailed design, and a setback distance from existing trees is recommended to be maintained as far as practical. A detailed specification describing the exact locations of the flexible barrier foundation plates, soil nails and rock dowels will be prepared to illustrate how the setback distance from existing trees would be implemented for tree avoidance. | Slope mitigation works area/ During detailed design/ During construction | Contractor(s) | ✓ | ✓ | | 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) | | ✓ | | Implemented | |
| S9.7 | The alignment of flexible barriers shall be optimized to preserve all species of conservation interest and minimize the impact to the existing vegetation as far as practicable. All individuals of <i>Marsdenia lachnostoma</i> within the slope mitigation areas shall be retained <i>in-situ</i> , by positioning the alignment of flexible barrier at a minimum 1.5m in a radius away from these individuals. | Slope mitigation works area/ During detailed design/ During construction | Contractor(s) | ✓ | ✓ | | 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) | ✓ | ✓ | | Implemented | - |
| S9.7 | Temporary fencing will be installed to fence off the concerned species either in groups of individually within the works area and in the close proximity to prevent from being damaged and disturbed during construction. A sign identifying the site shall be attached to the fence and flagging tape shall be attached to the individuals to visualize their locations. | Slope mitigation works area/ During construction | Contractor(s) | | ✓ | | N/A | - |

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



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|----------------|---|---|--|-------------------------|---|---|--------------------------|--------------------------------------|
| | | | | D | C | O | | |
| S9.7 and S9.10 | A specification for fencing and demarcating individuals of <i>Marsdenia 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 | - |
| S9.7 | Affected habitats within the Clear Water Bay Country Bay shall be reinstated by hydro-seeding and planting of climbers and native shrub seedlings where practical upon completion of the slope mitigation works. | All area/ During construction | Contractor(s) | | ✓ | | N/A | - |

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

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation Status | Relevant Legislation & Guidelines |
|-------------------------------|---|---|----------------------|----------------------|---|---|-----------------------|--|
| | | | | D | C | O | | |
| 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 | |

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation Status | Relevant Legislation & Guidelines |
|----------------|---|---|----------------------|----------------------|---|---|-----------------------|-----------------------------------|
| | | | | D | C | O | | |
| 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

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation Status | Relevant Legislation & Guidelines |
|----------------------------|--|---|----------------------|----------------------|---|---|-----------------------|-----------------------------------|
| | | | | D | C | O | | |
| 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 | |

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation Status | Relevant Legislation & Guidelines |
|---------------|---|---|----------------------|----------------------|---|---|-----------------------|-----------------------------------|
| | | | | D | C | O | | |
| | 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 | |
| S12.7 | Prior to the commencement of the site works, the drilling contractor should devise a 'method-of- working' statement covering all normal and emergency procedures (including but not limited to number of operatives, experience and special skills of operatives, normal method of operations, emergency procedures, 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) | ✓ | ✓ | ✓ | Implemented | |

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation Status | Relevant Legislation & Guidelines |
|---------------|---|---|----------------------|----------------------|---|---|-----------------------|-----------------------------------|
| | | | | D | C | O | | |
| 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 | |

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



| EIA Reference | Recommended Environmental Protection Measures/ Mitigation Measures | Objectives of the recommended measures & main concerns to address | Implementation Agent | Implementation Stage | | | Implementation Status | Relevant Legislation & Guidelines |
|---------------|--|---|----------------------|----------------------|---|---|-----------------------|-----------------------------------|
| | | | | D | C | O | | |
| | being minimized on-site. | | | | | | | |

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

Appendix D

Impact Monitoring Schedule of the Reporting Quarter

**Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant
EM&A Water Quality Monitoring Schedule**

| Jun-21 | | | | | | |
|--------|-----|---|-----|--|-----|--|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| | | 1 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 13:28 - 21:00 Flood Tide: 07:00 - 13:28 Monitoring Time: Mid-ebb: 15:29 - 18:59 Mid-flood: 08:29 - 11:59 | 2 | 3 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 16:00 - 23:00 Flood Tide: 09:00 - 16:00 Monitoring Time: Mid-ebb: 15:30 - 19:00& Mid-flood: 10:45 - 14:15 | 4 | 5 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 07:00 - 12:00 Flood Tide: 12:00 - 18:11 Monitoring Time: Mid-ebb: 08:00 - 11:30* Mid-flood: 13:20 - 16:50 |
| 6 | 7 | 8 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 08:07 - 14:36 Flood Tide: 14:36 - 21:08 Monitoring Time: Mid-ebb: 09:36 - 13:06 Mid-flood: 15:30 - 19:00& | 9 | 10 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 08:50 - 16:00 Flood Tide: 16:00 - 22:36 Monitoring Time: Mid-ebb: 10:40 - 14:10 Mid-flood: 16:00 - 19:00\$&# | 11 | 12 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 09:30 - 17:11 Flood Tide: 17:11 - 23:59 Monitoring Time: Mid-ebb: 11:35 - 15:05 Mid-flood: 17:11 - 19:00\$&# |
| 13 | 14 | 15 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 12:00 - 19:22 Flood Tide: 04:00 - 12:00 Monitoring Time: Mid-ebb: 13:56 - 17:26 Mid-flood: 08:00 - 11:30* | 16 | 17 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 13:00 - 21:00 Flood Tide: 07:00 - 13:00 Monitoring Time: Mid-ebb: 15:15 - 18:45 Mid-flood: 08:15 - 11:45 | 18 | 19 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 16:18 - 22:31 Flood Tide: 09:28 - 16:18 Monitoring Time: Mid-ebb: 16:18 - 19:00\$&# Mid-flood: 11:08 - 14:38 |
| 20 | 21 | 22 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 06:54 - 13:25 Flood Tide: 13:25 - 20:24 Monitoring Time: Mid-ebb: 08:24 - 11:54 Mid-flood: 15:09 - 18:39 | 23 | 24 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 08:10 - 15:18 Flood Tide: 15:18 - 22:33 Monitoring Time: Mid-ebb: 09:59 - 13:29 Mid-flood: 15:30 - 19:00& | 25 | 26 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 09:47 - 17:00 Flood Tide: 17:00 - 23:59 Monitoring Time: Mid-ebb: 11:38 - 15:08 Mid-flood: 17:00 - 19:00\$&# |
| 27 | 28 | 29 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 12:16 - 19:24 Flood Tide: 05:00 - 12:16 Monitoring Time: Mid-ebb: 14:05 - 17:35 Mid-flood: 08:00 - 11:30* | 30 | | | |

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

**Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant
EM&A Water Quality Monitoring Schedule**

| Jul-21 | | | | | | |
|--------|-----|--|-----|---|-----|--|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| | | | | 1 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 13:50 - 21:00 Flood Tide: 07:00 - 13:50 Monitoring Time: Mid-ebb: 15:30 - 19:00& Mid-flood: 08:40 - 12:10 | 2 | 3 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 05:20 - 10:15 Flood Tide: 10:15 - 16:02 Monitoring Time: Mid-ebb: 08:00 - 10:00* Mid-flood: 11:23 - 14:53 |
| 4 | 5 | 6 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 07:00 - 13:51 Flood Tide: 13:51 - 20:23 Monitoring Time: Mid-ebb: 08:40 - 12:10 Mid-flood: 15:22 - 18:52 | 7 | 8 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 08:50 - 16:00 Flood Tide: 16:00 - 22:36 Monitoring Time: Mid-ebb: 09:40 - 13:10 Mid-flood: 15:30 - 19:00& | 9 | 10 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 08:37 - 16:24 Flood Tide: 16:24 - 23:00 Monitoring Time: Mid-ebb: 10:45 - 14:15 Mid-flood: 16:43 - 19:00\$&# |
| 11 | 12 | 13 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 10:51 - 18:00 Flood Tide: 04:00 - 10:51 Monitoring Time: Mid-ebb: 12:40 - 16:10 Mid-flood: 08:00 - 10:30* \$# | 14 | 15 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 12:00 - 19:24 Flood Tide: 05:29 - 12:00 Monitoring Time: Mid-ebb: 13:57 - 17:27 Mid-flood: 08:00 - 11:30* | 16 | 17 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 16:18 - 22:31 Flood Tide: 09:28 - 16:18 Monitoring Time: Mid-ebb: 15:30 - 19:00& Mid-flood: 09:33 - 13:03 |
| 18 | 19 | 20 * Cancelled Due to Adverse Weather* (No. 1 & No.3 Tropical Cyclone Warning Signal, Amber Rainstorm Signal and Thunderstorm Signal) | 21 | 22 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 07:00 - 14:29 Flood Tide: 14:29 - 22:00 Monitoring Time: Mid-ebb: 08:59 - 12:29 Mid-flood: 15:30 - 19:00& | 23 | 24 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 08:42 - 16:06 Flood Tide: 16:06 - 23:16 Monitoring Time: Mid-ebb: 10:39 - 14:09 Mid-flood: 16:27 - 19:00\$&# |
| 25 | 26 | 27 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 12:16 - 19:24 Flood Tide: 05:00 - 12:16 Monitoring Time: Mid-ebb: 12:52 - 16:22 Mid-flood: 08:00 - 10:53* \$# | 28 | 29 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 13:00 - 19:00 Flood Tide: 06:00 - 13:00 Monitoring Time: Mid-ebb: 14:15 - 17:45 Mid-flood: 08:00 - 11:30* | 30 | 31 Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 Tidal Period: Ebb Tide: 15:00 - 20:00 Flood Tide: 08:00 - 15:00 Monitoring Time: Mid-ebb: 15:30 - 19:00& Mid-flood: 09:45 - 13:15 |

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

**Contract No. 13/WSD/17 Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant
EM&A Water Quality Monitoring Schedule**

| Aug-21 | | | | | | |
|--------|-----|---|-----|---|-----|--|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | Impact Water Quality monitoring for CE, CF, WSR1, WSR2, 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 | | Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 06:16 - 14:26 Flood Tide: 14:26 - 21:00 <u>Monitoring Time:</u> Mid-ebb: 08:36 - 12:06 Mid-flood: 15:58 - 19:00& | | 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&# |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | Impact Water Quality monitoring for CE, CF, WSR1, WSR2, 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 \$&# | | Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 11:00 - 18:05 Flood Tide: 05:00 - 11:00 <u>Monitoring Time:</u> Mid-ebb: 12:47 - 16:17 Mid-flood: 08:00 - 10:42*\$# | | 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 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | | Impact Water Quality monitoring for CE, CF, WSR1, WSR2, 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 | | Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 05:53 - 14:00 Flood Tide: 14:00 - 21:06 <u>Monitoring Time:</u> Mid-ebb: 08:11 - 11:41 Mid-flood: 15:48 - 19:00& | | 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& |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | | Impact Water Quality monitoring for CE, CF, WSR1, WSR2, 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\$&# | | Impact Water Quality monitoring for CE, CF, WSR1, WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 <u>Tidal Period:</u> Ebb Tide: 11:38 - 17:41 Flood Tide: 05:00 - 11:38 <u>Monitoring Time:</u> Mid-ebb: 12:54 - 16:24 Mid-flood: 08:00 - 11:18 *\$# | | 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 * |
| 29 | 30 | 31 | | | | |
| | | Impact Water Quality monitoring for CE, CF, WSR1, WSR2, 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& | | | | |

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

Appendix E

Event/Action Plan for Noise Exceedance

Event and Action Plan for Construction Noise Monitoring

| Event | Action | | | |
|--------------|---|---|---|--|
| | ET | IEC | ER | Contractor |
| Action Level | <ol style="list-style-type: none"> Carry out investigation to identify the source and cause of the complaint/ exceedance(s) Notify IEC, ER, and Contractor and report the results of investigation to the Contractor, ER and the IEC Discuss with the Contractor and IEC for remedial measures required If the complaint is related to the Project, conduct additional monitoring for checking mitigation effectiveness and report the findings and results to the IEC, ER and the Contractor | <ol style="list-style-type: none"> Review the analyzed results submitted by the ET Review the proposed remedial measures by the Contractor and advise the ER accordingly Supervise the implementation of remedial measures | <ol style="list-style-type: none"> Confirm receipt of Notification of Exceedance in writing Require Contractor to propose remedial measures for the analysed noise problem Ensure remedial measures are properly implemented | <ol style="list-style-type: none"> Submit noise mitigation proposals, if required, to the IEC and ER Implement noise mitigation proposals. |

| | | | | |
|-------------|---|--|---|---|
| Limit Level | <ol style="list-style-type: none"> Notify IEC, ER, EPD and Contractor Identify the source(s) of impact by reviewing all the relevant monitoring data and the corresponding construction activities. Exceedances should also be confirmed by immediate verification in the field as far as practical. Repeat measurement to confirm findings Increase monitoring frequency Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented. inform IEC, ER and EPD the cause & actions taken for the exceedances Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results If exceedance stops, cease additional monitoring. | <ol style="list-style-type: none"> Discuss amongst ER, ET, and Contractor on the potential remedial actions Review Contractor's remedial actions to assure their effectiveness and advise the ER & ET accordingly Supervise the implementation of the remedial measures | <ol style="list-style-type: none"> Confirm receipt of notification of exceedance in writing Notify Contractor Require Contractor to propose remedial measures for the analyzed noise problem Ensure remedial measures are properly implemented If exceedance continuous, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is aborted | <ol style="list-style-type: none"> Take immediate action to avoid further exceedance Identify practicable measures to minimize the noise impact. Submit proposals for remedial actions to ER within three working days of notification Implement the agreed proposals Resubmit proposal if problem still not under control Stop the relevant portion of works as determined by the ER until the exceedance is abated |
|-------------|---|--|---|---|

Appendix F

Event/Action Plan for Water Quality Exceedance

| Event | Action | | | |
|--|---|---|--|--|
| | 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 | Action | | | |
|--|--|---|--|--|
| | ET | IEC | SO | Contractor |
| Limit level being exceeded by one sampling day | 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 Contractor, IEC and SO 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) | 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, 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. (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, IEC and SO 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) |

| Event | Action | | | |
|---|--|--|---|---|
| | 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 G

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 G – Monthly Summary Waste Flow Table

Monthly Summary Waste Flow Table

| Month | Total Quantity Generated (a1) | Total Quantity Generated (Excluded Excavated Material) (a2) | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | | Actual Quantities of C&D Wastes Generated Monthly | | | | | |
|--------------|----------------------------------|--|--|-------------------------------|---------------------------------|--------------------------------|-------------------------------------|---------------------------------|---|---------------|-----------------------------------|-----------------|-----------------------|------------------------------------|
| | | | Excavated Material Total Quantity Generated (b) | Non-excavated Material | | | | | Broken Concrete of construction waste collected by recycling company (g) | Metals (h) | Paper/ cardboard packaging (i) | Plastics (j) | Chemical Waste (k) | Others, e.g. general refuse (l) |
| | | | | Reused in the Contract (c) | Reused in other Projects (d) | Disposed as Public Fill (e) | Disposed in sorting facility (f) | Total Quantity Generated (a) | | | | | | |
| | | | | (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 | 1118.110 | 1118.110 | 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 | |

| | | | |
|--|-----------|--------|---------------------------------|
| Total C&D waste generated | 15256.925 | Tonnes | (a: a1 = b+c+d+e+f+g+h+i+j+k+l) |
| Total C&D waste generated (excluded excavated materials) | 15256.925 | Tonnes | (a: a2 = c+d+e+f+g+h+i+j+k+l) |
| Total Recycled C&D Waste | 12911.455 | Tonnes | (a: a3 = c+d+g+h+i+j) |
| % of recycled C&D Waste for BEAM Plus MA 11 | 84.63% | | (a: 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 **NOT** 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 G - Monthly Summary Waste Flow Table

Name of Department: WSD

Contract No.: 13/WSD/17

Monthly Summary Waste Flow Table for 2021 (year)

| 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 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 |

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 next month.

Appendix H

Complaint Log

Statistical Summary of Environmental Complaints

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

Statistical Summary of Environmental Summons

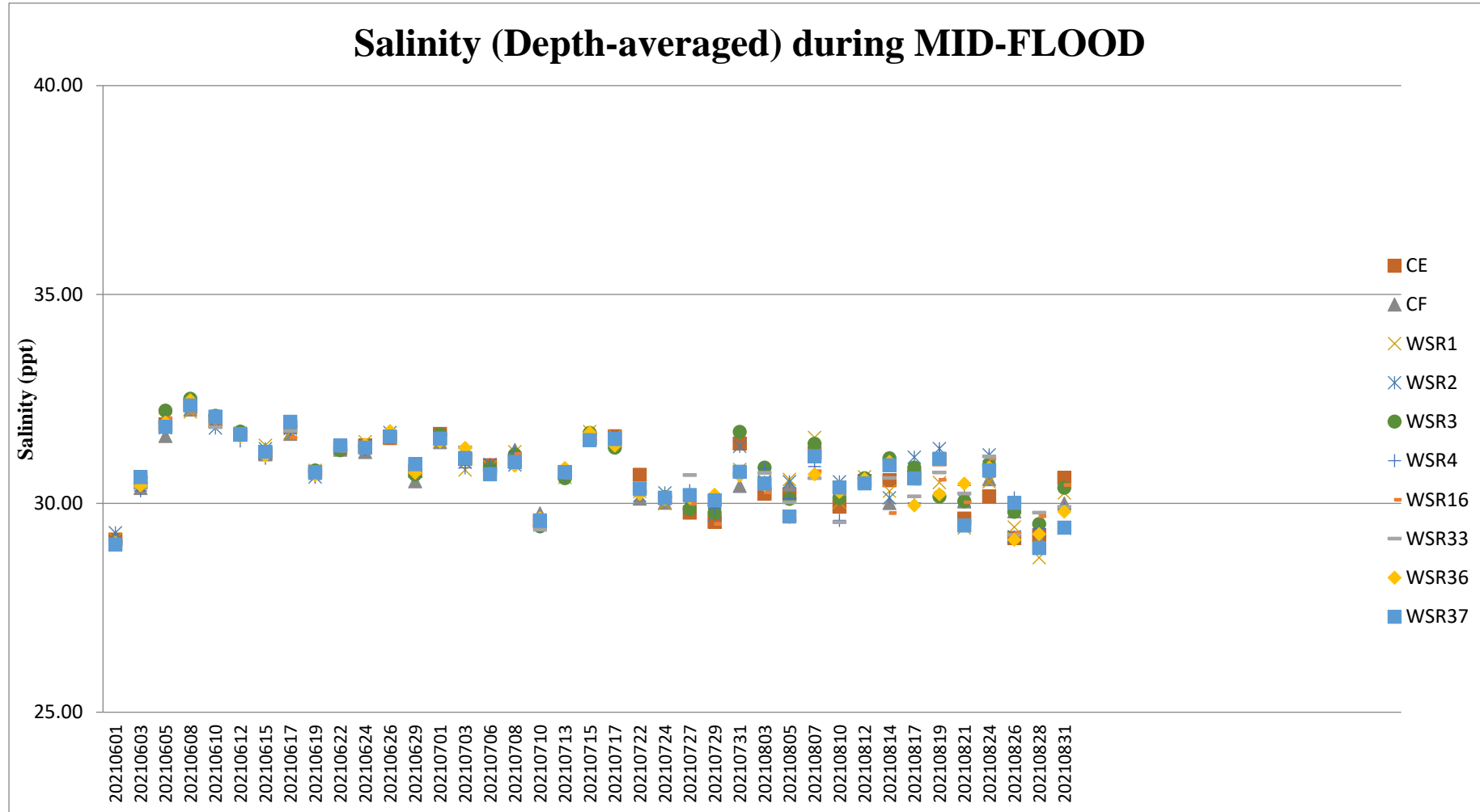
| Reporting Period | Environmental Summons Statistics | | |
|------------------------------|----------------------------------|------------|---------|
| | Frequency | Cumulative | Details |
| 01 Jun 2021 - 31 Aug 2021 | 0 | 0 | N/A |

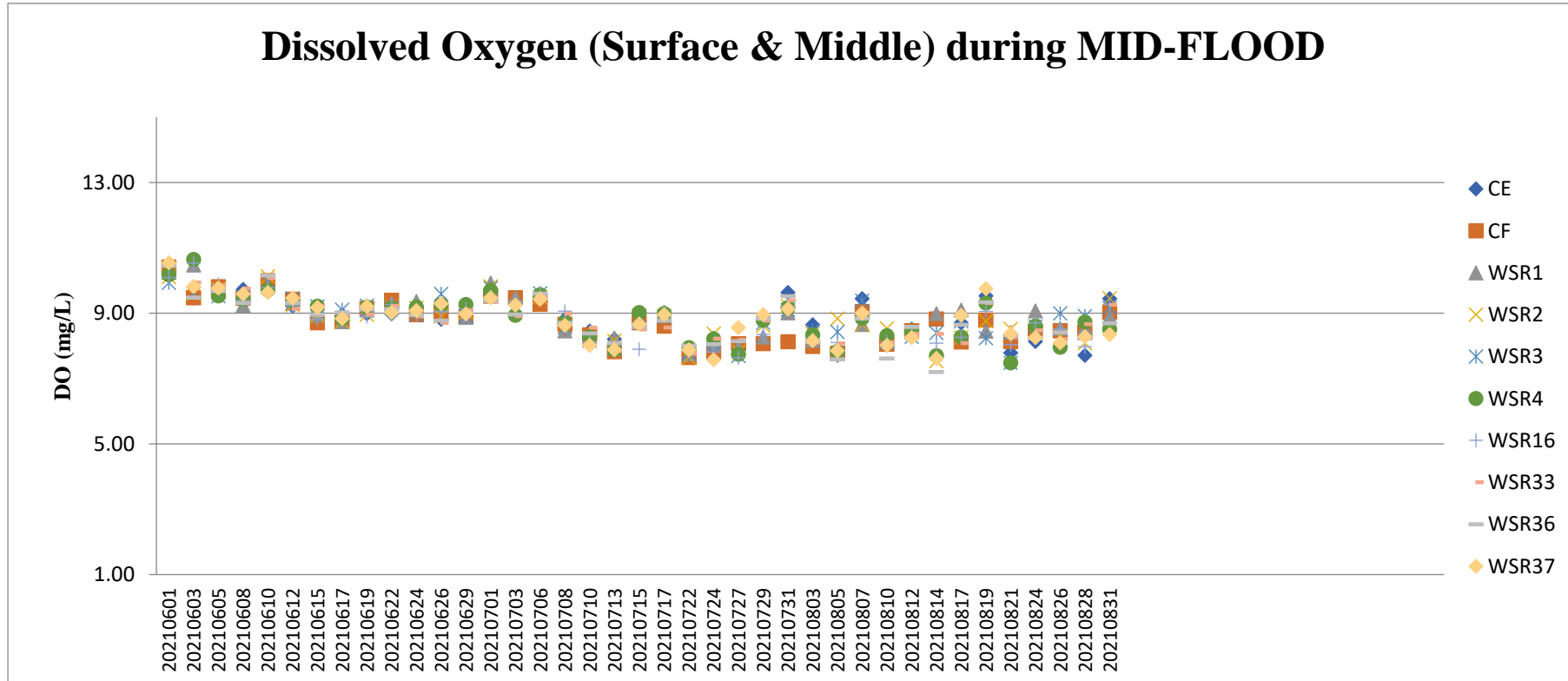
Statistical Summary of Environmental Prosecution

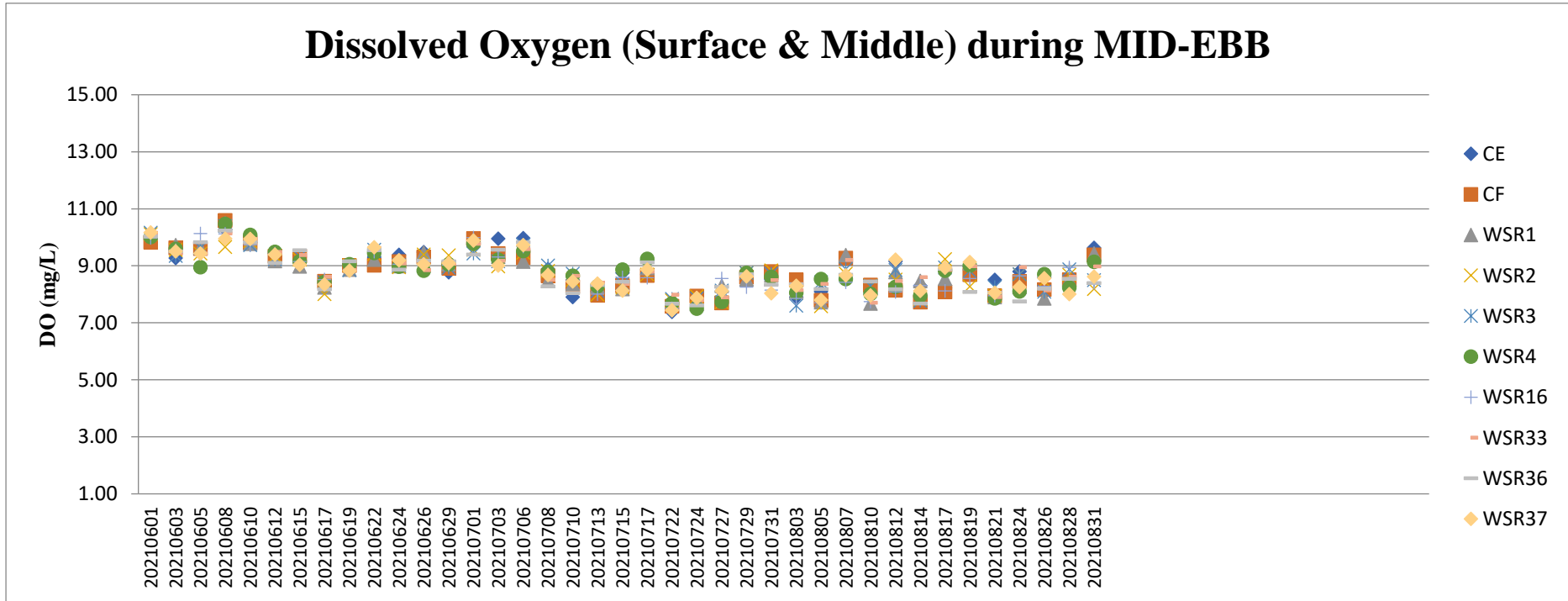
| Reporting Period | Environmental Prosecution Statistics | | |
|------------------------------|--------------------------------------|------------|---------|
| | Frequency | Cumulative | Details |
| 01 Jun 2021 - 31 Aug 2021 | 0 | 0 | N/A |

Appendix I

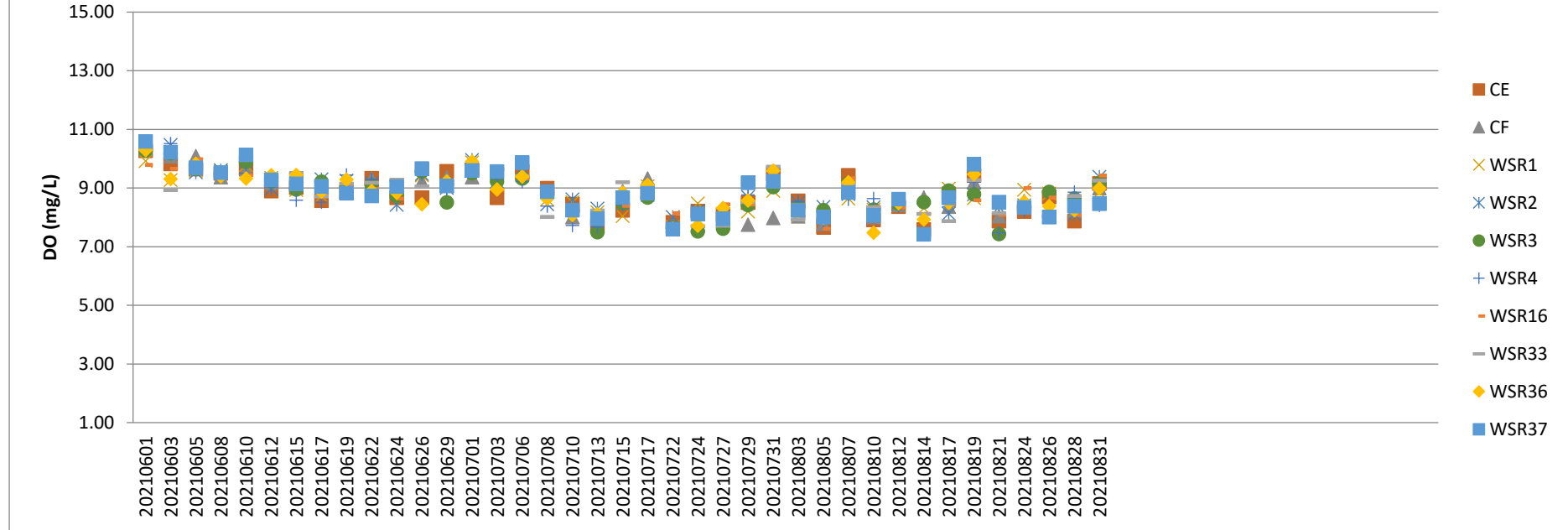
Water Quality and Landfill Gas Monitoring Data

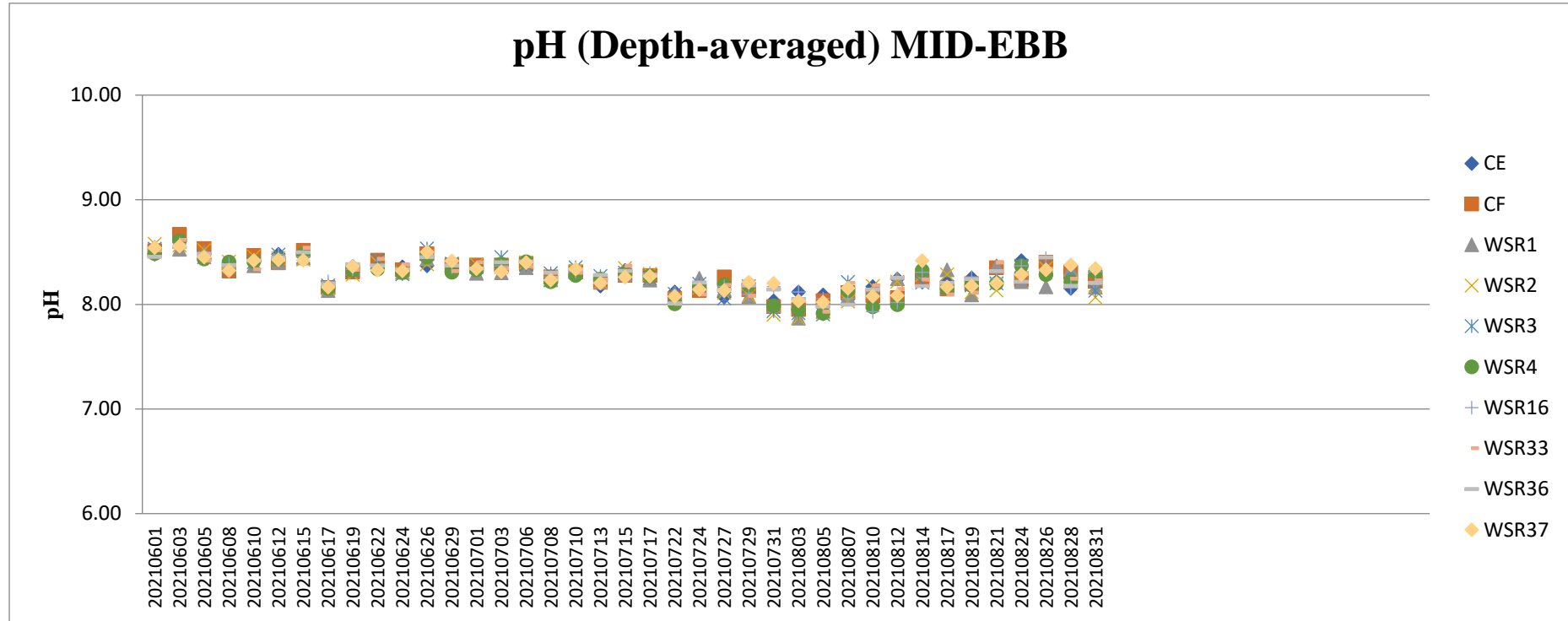


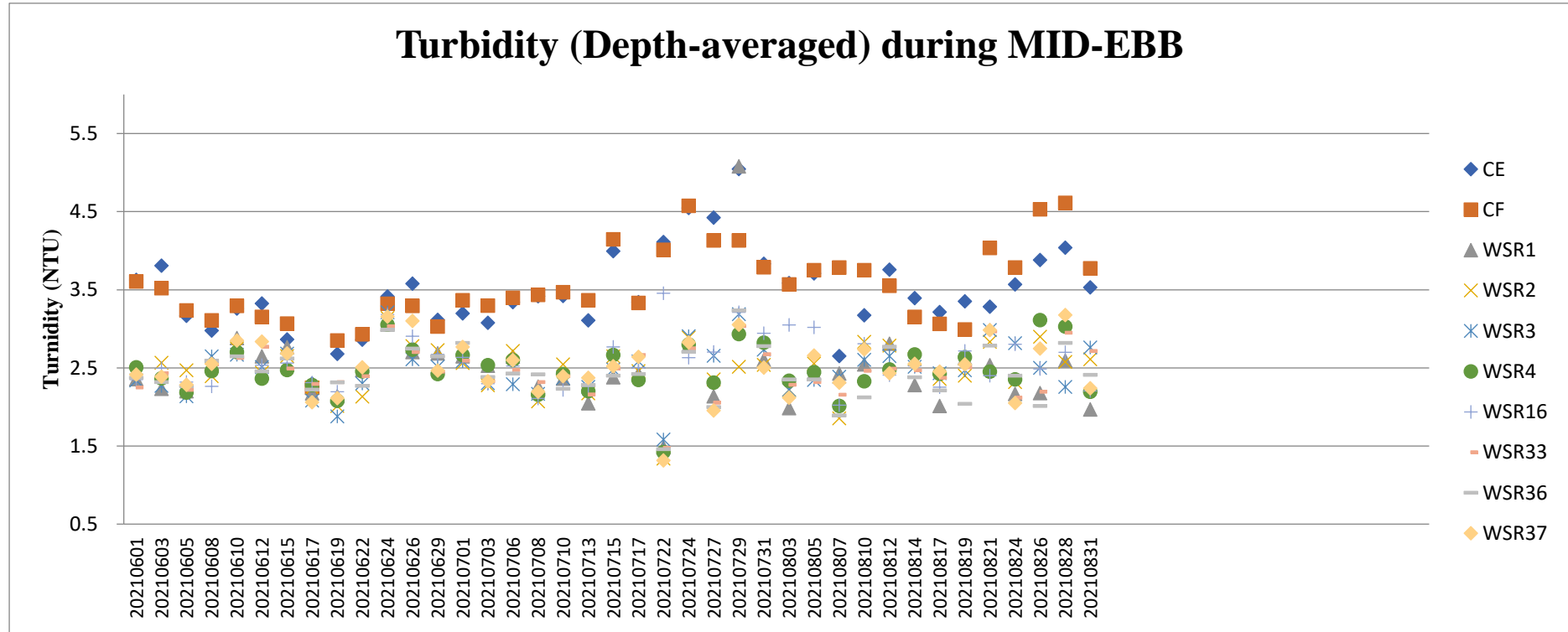


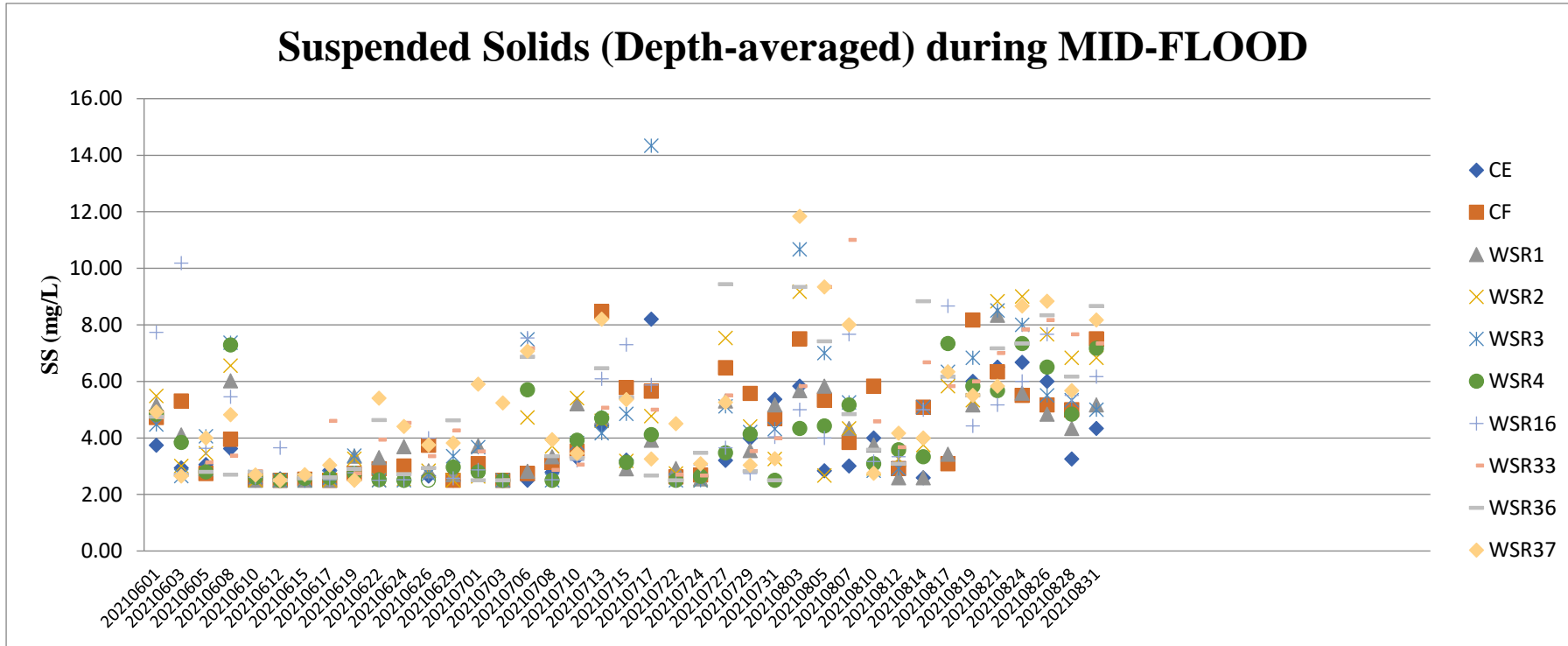


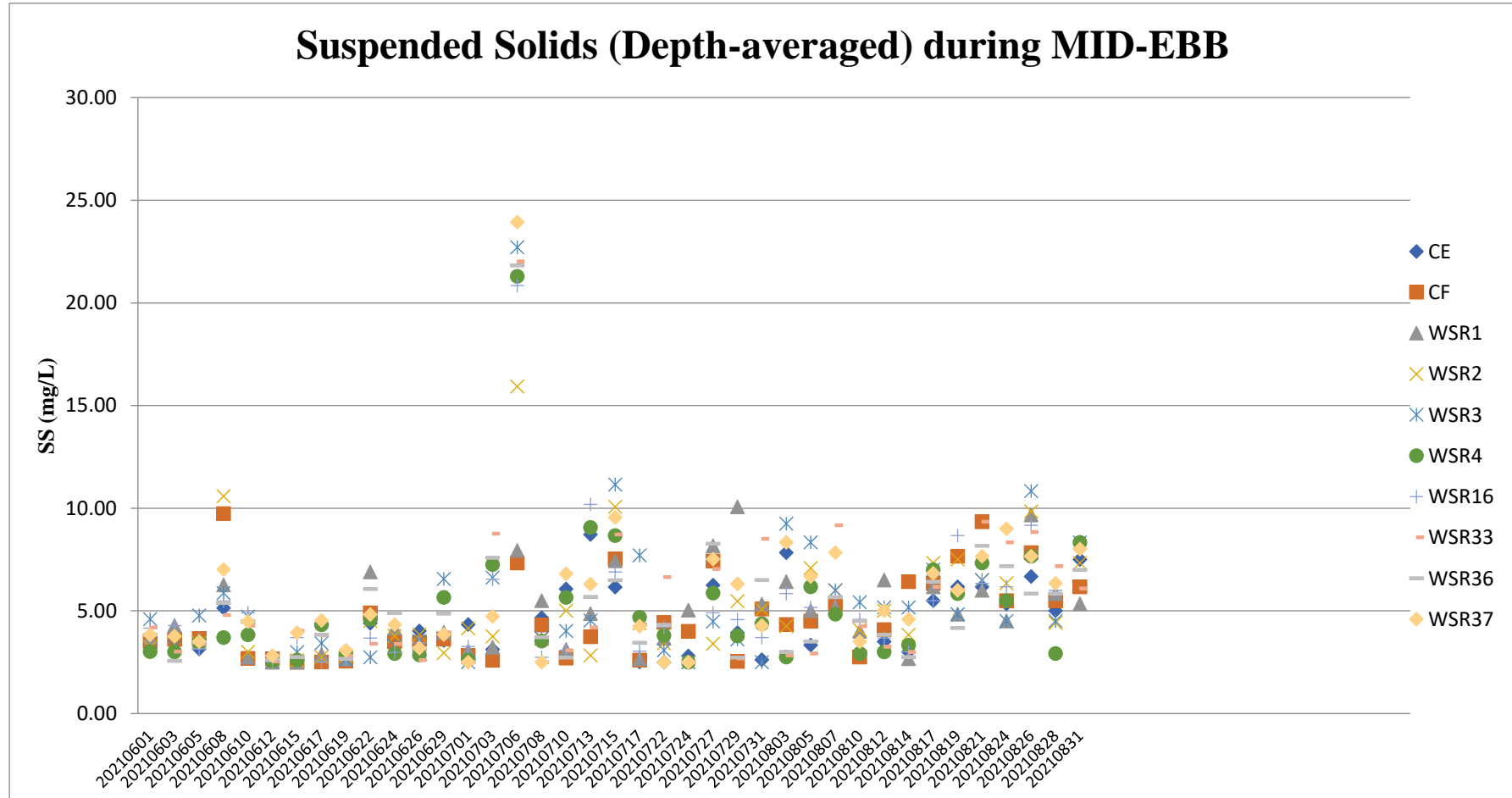
Dissolved Oxygen (Bottom) during MID-FLOOD











General water quality monitoring on 20 July 2021 was cancelled at both the mid-flood and mid-ebb tides due to the issuance of the No. 3 Tropical Cyclone Warning Signal.

Weather Warning and Signals Record (20/Jul/2021)

Tropical Cyclone Warning Signals

| | Warning and Signals | Start Time | | End Time | |
|----|--------------------------|------------|-------------|----------|-------------|
| | | hh:mm | dd/mon/yyyy | hh:mm | dd/mon/yyyy |
| ⚡3 | Strong Wind Signal No. 3 | 16:10 | 19/Jul/2021 | 13:20 | 20/Jul/2021 |
| ⚡1 | Standby Signal No. 1 | 13:20 | 20/Jul/2021 | 19:40 | 20/Jul/2021 |

Sourced from:

https://www.hko.gov.hk/en/wxinfo/climat/warndb/warndba.shtml?start_ym=20210720

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:11:00 PM | 10.30 | 8.44 | 28.86 | 27.86 | 3.35 | 2.50 |
| CE | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:11:00 PM | 10.06 | 8.29 | 29.36 | 28.04 | 3.75 | 3.50 |
| CE | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 11.05 | 12:10:00 PM | 9.79 | 8.31 | 29.28 | 27.98 | 2.92 | 3.20 |
| CE | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 11.05 | 12:10:00 PM | 10.74 | 8.34 | 28.97 | 27.88 | 3.49 | 2.50 |
| CE | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 21.10 | 12:09:00 PM | 10.81 | 8.40 | 29.34 | 28.06 | 2.90 | 6.90 |
| CE | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 21.10 | 12:09:00 PM | 9.73 | 8.35 | 28.98 | 28.05 | 3.13 | 3.80 |
| CE | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 1:36:00 PM | 9.74 | 8.39 | 30.58 | 29.34 | 3.78 | 3.00 |
| CE | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 1:36:00 PM | 10.39 | 8.33 | 30.45 | 29.39 | 3.62 | 3.30 |
| CE | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 11.65 | 1:35:00 PM | 8.84 | 8.36 | 30.54 | 29.27 | 4.00 | 3.40 |
| CE | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 11.65 | 1:35:00 PM | 8.86 | 8.36 | 30.30 | 29.28 | 3.90 | 2.80 |
| CE | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 22.30 | 1:34:00 PM | 9.55 | 8.32 | 30.22 | 29.44 | 3.55 | 2.50 |
| CE | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 22.30 | 1:34:00 PM | 10.08 | 8.30 | 30.87 | 29.36 | 3.11 | 2.60 |
| CE | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:09:00 PM | 9.75 | 8.39 | 31.44 | 27.78 | 3.79 | 3.10 |
| CE | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:09:00 PM | 9.54 | 8.59 | 31.28 | 27.77 | 3.78 | 4.60 |
| CE | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 11.90 | 4:08:00 PM | 9.73 | 8.63 | 32.05 | 27.91 | 3.14 | 3.00 |
| CE | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 11.90 | 4:08:00 PM | 9.54 | 8.66 | 32.45 | 27.78 | 3.15 | 2.50 |
| CE | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 22.80 | 4:07:00 PM | 10.06 | 8.50 | 32.57 | 27.73 | 3.06 | 2.60 |
| CE | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 22.80 | 4:07:00 PM | 9.22 | 8.61 | 31.56 | 27.89 | 3.06 | 2.50 |
| CE | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:34:00 PM | 10.05 | 8.41 | 32.39 | 29.01 | 3.35 | 2.50 |
| CE | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:34:00 PM | 9.71 | 8.35 | 32.36 | 29.10 | 2.98 | 2.50 |
| CE | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 10.75 | 5:33:00 PM | 9.32 | 8.38 | 32.34 | 29.08 | 3.38 | 2.50 |
| CE | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 10.75 | 5:33:00 PM | 9.82 | 8.40 | 32.19 | 29.09 | 3.44 | 2.50 |
| CE | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 20.50 | 5:32:00 PM | 9.18 | 8.34 | 32.09 | 28.94 | 3.10 | 9.20 |
| CE | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 20.50 | 5:32:00 PM | 9.82 | 8.36 | 32.73 | 28.93 | 2.87 | 2.50 |
| CE | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:52:00 PM | 10.34 | 8.34 | 31.83 | 28.10 | 3.11 | 2.50 |
| CE | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:52:00 PM | 9.52 | 8.31 | 32.15 | 28.19 | 3.39 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 10.55 | 6:51:00 PM | 9.58 | 8.39 | 32.21 | 28.32 | 3.32 | 2.50 |
| CE | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 10.55 | 6:51:00 PM | 10.37 | 8.20 | 31.68 | 28.08 | 3.23 | 2.50 |
| CE | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 20.10 | 6:50:00 PM | 10.10 | 8.28 | 31.63 | 28.34 | 3.34 | 2.50 |
| CE | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 20.10 | 6:50:00 PM | 9.23 | 8.39 | 32.37 | 28.45 | 3.35 | 2.50 |
| CE | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:04:00 PM | 9.09 | 8.29 | 31.91 | 27.26 | 3.06 | 2.50 |
| CE | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:04:00 PM | 9.56 | 8.37 | 31.29 | 27.20 | 3.57 | 2.50 |
| CE | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 12.00 | 8:03:00 PM | 9.19 | 8.37 | 31.95 | 27.45 | 3.46 | 2.50 |
| CE | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 12.00 | 8:03:00 PM | 9.02 | 8.41 | 31.25 | 27.32 | 2.95 | 2.50 |
| CE | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 23.00 | 8:02:00 PM | 8.89 | 8.27 | 31.73 | 27.40 | 2.85 | 2.80 |
| CE | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 23.00 | 8:02:00 PM | 8.89 | 8.33 | 31.71 | 27.61 | 2.75 | 2.50 |
| CE | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:54:00 AM | 9.46 | 8.21 | 31.41 | 28.32 | 2.89 | 2.50 |
| CE | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:54:00 AM | 9.42 | 8.36 | 31.15 | 28.11 | 2.99 | 2.50 |
| CE | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 12.30 | 10:53:00 AM | 8.75 | 8.44 | 30.85 | 28.20 | 2.44 | 2.50 |
| CE | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 12.30 | 10:53:00 AM | 8.80 | 8.44 | 31.50 | 28.09 | 2.19 | 2.50 |
| CE | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 23.60 | 10:52:00 AM | 8.93 | 8.23 | 30.83 | 28.22 | 1.96 | 2.50 |
| CE | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 23.60 | 10:52:00 AM | 9.09 | 8.32 | 31.38 | 28.25 | 2.29 | 2.50 |
| CE | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:05:00 AM | 9.01 | 8.18 | 31.74 | 30.40 | 3.04 | 2.50 |
| CE | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:05:00 AM | 9.01 | 8.22 | 32.08 | 30.36 | 3.44 | 2.50 |
| CE | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 10.50 | 11:04:00 AM | 9.15 | 8.33 | 31.76 | 30.30 | 3.21 | 2.50 |
| CE | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 10.50 | 11:04:00 AM | 8.64 | 8.33 | 31.77 | 30.33 | 2.82 | 4.60 |
| CE | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 20.00 | 11:03:00 AM | 8.60 | 8.16 | 31.57 | 30.42 | 3.21 | 2.50 |
| CE | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 20.00 | 11:03:00 AM | 8.53 | 8.11 | 32.06 | 30.37 | 3.15 | 2.50 |
| CE | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 1:38:00 PM | 9.59 | 8.22 | 30.59 | 30.46 | 3.36 | 2.50 |
| CE | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 1:38:00 PM | 8.79 | 8.42 | 30.56 | 30.48 | 3.02 | 2.60 |
| CE | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 10.90 | 1:37:00 PM | 8.63 | 8.35 | 30.97 | 30.50 | 2.43 | 2.80 |
| CE | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 10.90 | 1:37:00 PM | 8.93 | 8.32 | 30.84 | 30.30 | 2.55 | 2.70 |
| CE | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 20.80 | 1:36:00 PM | 9.20 | 8.19 | 30.52 | 30.31 | 2.20 | 2.90 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 20.80 | 1:36:00 PM | 8.50 | 8.30 | 31.00 | 30.32 | 2.39 | 2.50 |
| CE | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:07:00 PM | 9.03 | 8.33 | 31.55 | 27.66 | 3.13 | 2.50 |
| CE | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:07:00 PM | 8.87 | 8.36 | 31.30 | 27.81 | 3.12 | 2.50 |
| CE | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 11.20 | 6:06:00 PM | 8.97 | 8.46 | 31.25 | 27.63 | 2.87 | 2.50 |
| CE | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 11.20 | 6:06:00 PM | 9.06 | 8.39 | 31.13 | 27.69 | 3.04 | 2.50 |
| CE | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 21.40 | 6:05:00 PM | 9.62 | 8.43 | 31.29 | 27.69 | 2.65 | 2.50 |
| CE | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 21.40 | 6:05:00 PM | 9.05 | 8.27 | 31.43 | 27.58 | 2.44 | 2.80 |
| CE | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:14:00 PM | 8.54 | 8.26 | 31.07 | 26.80 | 3.48 | 2.50 |
| CE | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:14:00 PM | 9.42 | 8.44 | 31.58 | 26.84 | 3.51 | 2.50 |
| CE | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 11.15 | 6:13:00 PM | 9.37 | 8.53 | 31.04 | 26.86 | 3.28 | 2.50 |
| CE | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 11.15 | 6:13:00 PM | 8.72 | 8.38 | 31.62 | 26.88 | 3.61 | 2.50 |
| CE | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 21.30 | 6:12:00 PM | 8.74 | 8.42 | 31.53 | 26.98 | 3.15 | 2.50 |
| CE | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 21.30 | 6:12:00 PM | 8.58 | 8.43 | 31.43 | 26.91 | 3.39 | 2.50 |
| CE | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:58:00 PM | 8.85 | 8.44 | 31.85 | 27.64 | 3.75 | 2.90 |
| CE | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:58:00 PM | 9.14 | 8.50 | 31.74 | 27.84 | 3.96 | 3.00 |
| CE | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 12.00 | 6:57:00 PM | 8.44 | 8.39 | 31.31 | 27.89 | 3.41 | 2.50 |
| CE | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 12.00 | 6:57:00 PM | 8.82 | 8.34 | 31.49 | 27.80 | 3.11 | 2.50 |
| CE | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 23.00 | 6:56:00 PM | 8.73 | 8.41 | 31.70 | 27.87 | 3.11 | 2.50 |
| CE | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 23.00 | 6:56:00 PM | 8.62 | 8.40 | 31.29 | 27.82 | 2.64 | 2.50 |
| CE | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:52:00 AM | 8.56 | 8.45 | 31.07 | 29.97 | 3.92 | 2.50 |
| CE | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:52:00 AM | 8.81 | 8.35 | 30.81 | 29.82 | 4.03 | 2.50 |
| CE | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 11.25 | 10:51:00 AM | 9.65 | 8.28 | 30.80 | 29.76 | 3.15 | 2.50 |
| CE | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 11.25 | 10:51:00 AM | 8.49 | 8.34 | 30.85 | 29.76 | 3.16 | 2.50 |
| CE | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 21.50 | 10:50:00 AM | 9.68 | 8.51 | 30.55 | 29.77 | 2.93 | 2.50 |
| CE | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 21.50 | 10:50:00 AM | 9.46 | 8.47 | 30.55 | 29.99 | 3.11 | 2.50 |
| CF | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 9:23:00 AM | 10.6 | 8.35 | 28.97 | 27.45 | 2.95 | 4 |
| CF | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 9:23:00 AM | 10.47 | 8.46 | 28.9 | 27.54 | 2.89 | 3.6 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 9.6 | 9:22:00 AM | 10.87 | 8.45 | 28.96 | 27.62 | 2.86 | 4 |
| CF | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 9.6 | 9:22:00 AM | 9.7 | 8.39 | 29.39 | 27.51 | 2.69 | 4.9 |
| CF | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 18.2 | 9:21:00 AM | 9.99 | 8.33 | 29.3 | 27.53 | 2.64 | 5.1 |
| CF | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 18.2 | 9:21:00 AM | 10.67 | 8.43 | 29.44 | 27.46 | 3.14 | 6.7 |
| CF | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1 | 10:47:00 AM | 9.98 | 8.38 | 30.09 | 28.99 | 3.74 | 4 |
| CF | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1 | 10:47:00 AM | 9.13 | 8.5 | 30.49 | 29.17 | 3.98 | 5.8 |
| CF | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 10.8 | 10:46:00 AM | 9.9 | 8.33 | 30.1 | 29.07 | 3.29 | 2.5 |
| CF | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 10.8 | 10:46:00 AM | 8.86 | 8.46 | 30.38 | 29.12 | 3.74 | 12.6 |
| CF | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 20.6 | 10:45:00 AM | 9.7 | 8.46 | 30.42 | 29.07 | 3.53 | 3.5 |
| CF | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 20.6 | 10:45:00 AM | 10.46 | 8.52 | 30.7 | 29.08 | 3.61 | 3.4 |
| CF | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 1:22:00 PM | 9.68 | 8.64 | 32.26 | 27.98 | 3.83 | 2.5 |
| CF | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 1:22:00 PM | 9.94 | 8.71 | 31.48 | 28.11 | 3.38 | 2.5 |
| CF | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 9.5 | 1:21:00 PM | 9.83 | 8.6 | 31.42 | 27.95 | 3.52 | 2.5 |
| CF | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 9.5 | 1:21:00 PM | 9.8 | 8.39 | 31.82 | 27.97 | 3.64 | 2.9 |
| CF | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 18 | 1:20:00 PM | 10.07 | 8.63 | 31.28 | 28.09 | 2.74 | 2.5 |
| CF | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 18 | 1:20:00 PM | 10.1 | 8.67 | 31.42 | 28.1 | 3.19 | 3.5 |
| CF | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1 | 2:42:00 PM | 9.44 | 8.31 | 32 | 29.23 | 3 | 2.5 |
| CF | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1 | 2:42:00 PM | 9.82 | 8.49 | 32.37 | 29.39 | 3.48 | 2.5 |
| CF | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 9.9 | 2:41:00 PM | 9.45 | 8.44 | 32.23 | 29.26 | 3.13 | 10.7 |
| CF | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 9.9 | 2:41:00 PM | 9.1 | 8.29 | 32.65 | 29.41 | 3.41 | 2.5 |
| CF | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 18.8 | 2:40:00 PM | 9.46 | 8.47 | 32.17 | 29.32 | 3.09 | 2.6 |
| CF | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 18.8 | 2:40:00 PM | 9.28 | 8.42 | 32.05 | 29.28 | 2.74 | 2.9 |
| CF | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 4:02:00 PM | 10.27 | 8.3 | 32.16 | 28.75 | 3.52 | 2.6 |
| CF | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 4:02:00 PM | 9.67 | 8.32 | 32.18 | 28.64 | 3.99 | 2.5 |
| CF | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 10.4 | 4:01:00 PM | 10.15 | 8.41 | 31.94 | 28.61 | 3.01 | 2.5 |
| CF | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 10.4 | 4:01:00 PM | 9.9 | 8.26 | 31.68 | 28.6 | 3.34 | 2.5 |
| CF | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 19.8 | 4:00:00 PM | 9.22 | 8.28 | 31.99 | 28.78 | 3.55 | 2.5 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 19.8 | 4:00:00 PM | 10.04 | 8.41 | 31.86 | 28.62 | 3.29 | 2.5 |
| CF | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 5:13:00 PM | 9.61 | 8.5 | 31.66 | 27.65 | 3.44 | 2.5 |
| CF | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 5:13:00 PM | 9.33 | 8.32 | 31.63 | 27.84 | 3.27 | 2.5 |
| CF | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 9.65 | 5:12:00 PM | 9.15 | 8.42 | 31.8 | 27.6 | 3.26 | 2.5 |
| CF | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 9.65 | 5:12:00 PM | 9.61 | 8.39 | 31.28 | 27.85 | 3.58 | 2.5 |
| CF | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 18.3 | 5:11:00 PM | 9.35 | 8.5 | 32.02 | 27.89 | 2.68 | 2.5 |
| CF | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 18.3 | 5:11:00 PM | 8.97 | 8.41 | 31.93 | 27.54 | 3.1 | 2.5 |
| CF | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 8:02:00 AM | 8.62 | 8.4 | 30.84 | 27.74 | 2.82 | 2.5 |
| CF | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 8:02:00 AM | 8.58 | 8.27 | 31.2 | 27.75 | 3.13 | 2.7 |
| CF | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 10.9 | 8:01:00 AM | 9 | 8.2 | 31.21 | 27.83 | 2.34 | 2.5 |
| CF | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 10.9 | 8:01:00 AM | 8.6 | 8.25 | 31.08 | 27.78 | 2.51 | 2.5 |
| CF | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 20.8 | 8:00:00 AM | 9.26 | 8.2 | 31.5 | 27.87 | 2.21 | 2.5 |
| CF | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 20.8 | 8:00:00 AM | 9.12 | 8.38 | 31.2 | 27.75 | 2.12 | 2.5 |
| CF | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1 | 8:17:00 AM | 9.42 | 8.17 | 31.47 | 29.96 | 3.12 | 2.5 |
| CF | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1 | 8:17:00 AM | 8.94 | 8.2 | 31.55 | 29.98 | 2.93 | 2.5 |
| CF | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 9.6 | 8:16:00 AM | 8.37 | 8.28 | 31.55 | 29.93 | 2.68 | 2.5 |
| CF | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 9.6 | 8:16:00 AM | 8.24 | 8.25 | 31.71 | 29.97 | 2.79 | 2.5 |
| CF | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 18.2 | 8:15:00 AM | 9.28 | 8.21 | 32.09 | 30.06 | 3.08 | 2.5 |
| CF | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 18.2 | 8:15:00 AM | 8.53 | 8.29 | 31.58 | 29.81 | 2.97 | 2.5 |
| CF | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1 | 11:10:00 AM | 9.46 | 8.21 | 30.75 | 30.04 | 2.96 | 2.9 |
| CF | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1 | 11:10:00 AM | 8.71 | 8.43 | 30.66 | 29.88 | 3.05 | 2.5 |
| CF | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 9.65 | 11:09:00 AM | 9.62 | 8.38 | 30.46 | 30.13 | 2.98 | 2.6 |
| CF | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 9.65 | 11:09:00 AM | 8.8 | 8.33 | 30.68 | 29.97 | 2.57 | 2.7 |
| CF | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 18.3 | 11:08:00 AM | 8.53 | 8.27 | 30.95 | 30 | 2.42 | 2.6 |
| CF | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 18.3 | 11:08:00 AM | 9.23 | 8.34 | 30.83 | 30.18 | 2.75 | 3.1 |
| CF | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 3:11:00 PM | 9.4 | 8.37 | 31.43 | 27.85 | 3.28 | 3.2 |
| CF | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 3:11:00 PM | 9.66 | 8.3 | 31.54 | 27.89 | 3.01 | 2.5 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 10.25 | 3:10:00 PM | 9.22 | 8.46 | 31.09 | 27.9 | 3.03 | 2.5 |
| CF | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 10.25 | 3:10:00 PM | 9.3 | 8.25 | 31.28 | 27.84 | 2.56 | 2.5 |
| CF | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 19.5 | 3:09:00 PM | 9.1 | 8.31 | 31.29 | 27.93 | 2.54 | 4.2 |
| CF | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 19.5 | 3:09:00 PM | 9.52 | 8.25 | 31.06 | 28.01 | 2.73 | 2.5 |
| CF | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 3:32:00 PM | 9.49 | 8.3 | 31.21 | 26.9 | 3.71 | 2.5 |
| CF | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 3:32:00 PM | 8.77 | 8.28 | 31.55 | 26.9 | 4.22 | 2.5 |
| CF | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 10.55 | 3:31:00 PM | 8.65 | 8.37 | 31.4 | 26.95 | 3.53 | 2.5 |
| CF | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 10.55 | 3:31:00 PM | 8.9 | 8.26 | 31.07 | 27 | 3.84 | 2.5 |
| CF | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 20.1 | 3:30:00 PM | 8.49 | 8.45 | 31.08 | 27.05 | 3.39 | 3.8 |
| CF | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 20.1 | 3:30:00 PM | 9.62 | 8.35 | 31.06 | 27.06 | 3.28 | 4.2 |
| CF | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 5:02:00 PM | 9.76 | 8.31 | 31.9 | 28.16 | 5 | 6 |
| CF | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 5:02:00 PM | 8.73 | 8.45 | 31.25 | 28.35 | 4.45 | 6 |
| CF | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 10.45 | 5:01:00 PM | 8.66 | 8.33 | 31.65 | 28.39 | 4.61 | 2.5 |
| CF | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 10.45 | 5:01:00 PM | 8.91 | 8.38 | 31.49 | 28.29 | 4.51 | 2.5 |
| CF | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 19.9 | 5:00:00 PM | 9.24 | 8.39 | 31.74 | 28.41 | 4.25 | 2.7 |
| CF | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 19.9 | 5:00:00 PM | 9.21 | 8.45 | 31.79 | 28.27 | 4.02 | 2.7 |
| CF | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 8:02:00 AM | 8.71 | 8.32 | 30.41 | 29.22 | 3.36 | 2.5 |
| CF | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1 | 8:02:00 AM | 8.9 | 8.47 | 30.64 | 29.26 | 3.22 | 2.5 |
| CF | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 9.7 | 8:01:00 AM | 8.94 | 8.41 | 30.36 | 29.18 | 3.54 | 2.5 |
| CF | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 9.7 | 8:01:00 AM | 9.04 | 8.35 | 30.44 | 29.3 | 4 | 2.5 |
| CF | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 18.4 | 8:00:00 AM | 9.48 | 8.48 | 30.9 | 29.48 | 3.18 | 2.5 |
| CF | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 18.4 | 8:00:00 AM | 9.24 | 8.28 | 30.41 | 29.27 | 3.09 | 2.5 |
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:47 | 10.20 | 8.39 | 28.96 | 27.49 | 2.65 | 4.50 |
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:47 | 10.26 | 8.35 | 28.85 | 27.65 | 2.95 | 5.30 |
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 4.35 | 9:46 | 10.82 | 8.29 | 29.53 | 27.69 | 2.53 | 5.60 |
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 4.35 | 9:46 | 9.73 | 8.49 | 29.19 | 27.64 | 2.69 | 5.10 |
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 7.70 | 9:45 | 9.94 | 8.29 | 29.45 | 27.55 | 2.52 | 5.10 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 7.70 | 9:45 | 9.89 | 8.49 | 28.84 | 27.47 | 2.93 | 5.40 |
| WSR01 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:11 | 10.89 | 8.46 | 30.33 | 29.11 | 2.51 | 2.50 |
| WSR01 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:11 | 10.91 | 8.41 | 30.83 | 29.14 | 2.94 | 6.10 |
| WSR01 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 4.45 | 11:10 | 10.87 | 8.46 | 30.46 | 29.10 | 2.59 | 6.40 |
| WSR01 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 4.45 | 11:10 | 9.21 | 8.30 | 30.86 | 29.18 | 2.49 | 2.50 |
| WSR01 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 7.90 | 11:09 | 8.96 | 8.35 | 30.49 | 29.07 | 2.22 | 3.80 |
| WSR01 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 7.90 | 11:09 | 9.57 | 8.42 | 30.30 | 29.15 | 2.64 | 3.30 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 13:45 | 9.98 | 8.45 | 31.79 | 28.34 | 2.57 | 2.50 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 13:45 | 9.83 | 8.64 | 31.88 | 28.31 | 2.62 | 2.50 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 4.35 | 13:44 | 9.18 | 8.64 | 32.32 | 28.20 | 2.21 | 2.50 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 4.35 | 13:44 | 9.64 | 8.59 | 31.54 | 28.21 | 2.46 | 4.00 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 7.70 | 13:43 | 9.23 | 8.40 | 32.47 | 28.24 | 2.44 | 2.50 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 7.70 | 13:43 | 9.95 | 8.44 | 31.99 | 28.18 | 2.50 | 3.40 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 15:09 | 9.26 | 8.44 | 32.09 | 29.14 | 2.81 | 12.60 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 15:09 | 9.02 | 8.41 | 32.53 | 29.23 | 2.46 | 2.50 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 4.25 | 15:08 | 9.34 | 8.36 | 32.13 | 29.23 | 2.12 | 2.80 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 4.25 | 15:08 | 9.35 | 8.49 | 32.14 | 29.12 | 2.50 | 2.50 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 7.50 | 15:07 | 9.90 | 8.50 | 32.08 | 29.12 | 2.53 | 13.20 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 7.50 | 15:07 | 9.31 | 8.34 | 32.14 | 29.26 | 2.41 | 2.50 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:26 | 10.24 | 8.38 | 32.28 | 28.65 | 3.22 | 2.50 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:26 | 9.59 | 8.37 | 32.12 | 28.60 | 3.10 | 2.50 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 4.75 | 16:25 | 9.18 | 8.36 | 31.97 | 28.53 | 2.68 | 2.50 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 4.75 | 16:25 | 10.25 | 8.38 | 31.94 | 28.59 | 2.76 | 2.50 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 8.50 | 16:24 | 9.54 | 8.25 | 31.57 | 28.65 | 2.84 | 2.50 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 8.50 | 16:24 | 10.02 | 8.28 | 32.36 | 28.62 | 2.88 | 2.50 |
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:37 | 9.05 | 8.45 | 31.85 | 27.61 | 3.26 | 2.50 |
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:37 | 9.65 | 8.40 | 31.55 | 27.92 | 2.82 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 4.35 | 17:36 | 9.02 | 8.30 | 31.94 | 27.57 | 2.39 | 2.50 |
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 4.35 | 17:36 | 9.50 | 8.45 | 31.73 | 27.94 | 2.79 | 2.50 |
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 7.70 | 17:35 | 9.18 | 8.32 | 31.35 | 27.71 | 2.50 | 2.50 |
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 7.70 | 17:35 | 9.51 | 8.29 | 31.61 | 27.82 | 2.58 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:27 | 9.26 | 8.25 | 31.28 | 27.76 | 3.02 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:27 | 9.14 | 8.39 | 31.49 | 27.80 | 2.90 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 4.30 | 8:26 | 8.63 | 8.36 | 31.55 | 27.88 | 2.20 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 4.30 | 8:26 | 8.74 | 8.33 | 31.61 | 27.93 | 2.59 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 7.60 | 8:25 | 8.76 | 8.31 | 31.04 | 27.80 | 2.65 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 7.60 | 8:25 | 9.09 | 8.22 | 31.35 | 27.77 | 2.41 | 2.50 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:40 | 8.55 | 8.21 | 31.65 | 29.89 | 3.21 | 2.50 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:40 | 8.54 | 8.16 | 31.75 | 30.03 | 3.06 | 2.50 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 8:39 | 8.68 | 8.33 | 31.49 | 29.92 | 2.82 | 2.50 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 8:39 | 9.19 | 8.10 | 31.61 | 29.90 | 2.87 | 2.50 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 8:38 | 8.37 | 8.18 | 32.18 | 29.90 | 2.69 | 2.50 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 8:38 | 9.06 | 8.21 | 31.49 | 30.07 | 2.67 | 2.50 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:32 | 9.39 | 8.39 | 31.01 | 29.98 | 2.19 | 3.20 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:32 | 8.87 | 8.43 | 30.91 | 30.00 | 2.44 | 3.00 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 4.65 | 11:31 | 9.19 | 8.19 | 30.78 | 30.18 | 2.54 | 3.80 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 4.65 | 11:31 | 8.94 | 8.25 | 30.90 | 29.96 | 2.25 | 4.20 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 8.30 | 11:30 | 9.02 | 8.28 | 30.62 | 30.30 | 2.44 | 2.50 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 8.30 | 11:30 | 8.84 | 8.37 | 30.51 | 30.04 | 2.11 | 3.40 |
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:36 | 9.26 | 8.19 | 31.42 | 27.91 | 2.96 | 4.60 |
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:36 | 8.77 | 8.20 | 31.27 | 28.03 | 2.71 | 2.50 |
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 4.50 | 15:35 | 9.42 | 8.20 | 31.25 | 28.03 | 2.55 | 4.30 |
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 4.50 | 15:35 | 9.68 | 8.40 | 31.12 | 28.01 | 2.37 | 2.50 |
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 8.00 | 15:34 | 8.62 | 8.48 | 31.50 | 28.04 | 2.36 | 3.40 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 8.00 | 15:34 | 9.13 | 8.20 | 31.61 | 27.95 | 2.20 | 2.50 |
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:55 | 9.43 | 8.51 | 31.12 | 27.16 | 3.43 | 4.60 |
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:55 | 9.20 | 8.46 | 31.61 | 27.08 | 3.06 | 4.80 |
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 4.20 | 15:54 | 9.30 | 8.47 | 31.59 | 27.12 | 3.02 | 2.80 |
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 4.20 | 15:54 | 9.50 | 8.41 | 31.54 | 27.16 | 2.90 | 2.50 |
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 7.40 | 15:53 | 8.54 | 8.47 | 31.32 | 27.17 | 2.56 | 3.60 |
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 7.40 | 15:53 | 9.53 | 8.32 | 31.65 | 27.08 | 2.40 | 3.80 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:21 | 9.32 | 8.26 | 31.17 | 28.20 | 2.42 | 3.70 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:21 | 9.28 | 8.36 | 31.68 | 28.18 | 2.71 | 3.30 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 4.60 | 17:20 | 9.22 | 8.49 | 31.81 | 28.32 | 3.03 | 2.50 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 4.60 | 17:20 | 9.11 | 8.51 | 31.74 | 28.03 | 2.54 | 2.50 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 8.20 | 17:19 | 9.39 | 8.42 | 31.43 | 28.04 | 2.45 | 2.50 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 8.20 | 17:19 | 9.48 | 8.33 | 31.56 | 28.07 | 2.64 | 2.50 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:26 | 8.62 | 8.27 | 30.85 | 29.28 | 3.03 | 2.50 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:26 | 8.80 | 8.25 | 30.50 | 29.37 | 2.68 | 2.50 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 4.50 | 8:25 | 8.76 | 8.44 | 30.93 | 29.26 | 2.59 | 2.50 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 4.50 | 8:25 | 9.32 | 8.47 | 31.06 | 29.38 | 2.46 | 2.50 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 8.00 | 8:24 | 8.61 | 8.42 | 31.04 | 29.21 | 2.51 | 3.70 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 8.00 | 8:24 | 9.50 | 8.30 | 30.49 | 29.47 | 2.98 | 2.50 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:06 | 9.75 | 8.45 | 29.62 | 27.75 | 3.45 | 5.40 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:06 | 10.18 | 8.27 | 29.05 | 27.56 | 3.19 | 7.50 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 4.50 | 10:05 | 10.00 | 8.36 | 29.57 | 27.69 | 3.45 | 6.60 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 4.50 | 10:05 | 10.51 | 8.40 | 29.48 | 27.69 | 3.41 | 4.10 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 8.00 | 10:04 | 10.05 | 8.48 | 29.02 | 27.75 | 3.27 | 4.90 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 8.00 | 10:04 | 10.66 | 8.37 | 29.01 | 27.67 | 3.02 | 4.40 |
| WSR02 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:30 | 9.77 | 8.43 | 30.73 | 29.27 | 2.35 | 3.20 |
| WSR02 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:30 | 8.87 | 8.35 | 30.60 | 29.24 | 2.65 | 4.30 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 4.85 | 11:29 | 9.03 | 8.51 | 30.42 | 29.23 | 2.23 | 2.50 |
| WSR02 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 4.85 | 11:29 | 10.64 | 8.31 | 30.75 | 29.12 | 2.56 | 2.50 |
| WSR02 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 8.70 | 11:28 | 9.89 | 8.53 | 30.54 | 29.22 | 2.09 | 2.50 |
| WSR02 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 8.70 | 11:28 | 11.04 | 8.52 | 30.56 | 29.12 | 1.91 | 3.00 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 14:06 | 10.33 | 8.69 | 31.27 | 28.23 | 2.66 | 3.20 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 14:06 | 10.06 | 8.51 | 32.43 | 28.26 | 2.36 | 4.90 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 14:05 | 9.53 | 8.45 | 31.82 | 28.17 | 1.99 | 3.40 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 14:05 | 9.06 | 8.52 | 31.63 | 28.12 | 1.94 | 2.50 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 14:04 | 9.39 | 8.69 | 32.47 | 28.08 | 1.92 | 3.40 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 14:04 | 9.68 | 8.69 | 31.25 | 28.27 | 2.17 | 3.30 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 15:30 | 9.53 | 8.37 | 32.62 | 29.13 | 2.85 | 2.50 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 15:30 | 9.42 | 8.40 | 32.60 | 29.26 | 2.73 | 18.00 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 4.55 | 15:29 | 9.42 | 8.27 | 32.53 | 29.31 | 2.82 | 9.60 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 4.55 | 15:29 | 9.53 | 8.41 | 32.11 | 29.21 | 2.53 | 3.00 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 8.10 | 15:28 | 9.92 | 8.41 | 32.33 | 29.12 | 2.51 | 2.50 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 8.10 | 15:28 | 9.27 | 8.36 | 32.28 | 29.12 | 2.78 | 3.70 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:47 | 10.35 | 8.37 | 31.62 | 28.64 | 3.16 | 2.50 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:47 | 10.20 | 8.19 | 32.30 | 28.56 | 2.95 | 2.50 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 16:46 | 10.37 | 8.38 | 32.00 | 28.47 | 2.90 | 2.50 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 16:46 | 9.59 | 8.24 | 31.76 | 28.46 | 3.04 | 2.50 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 16:45 | 9.84 | 8.32 | 31.56 | 28.57 | 2.99 | 2.50 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 16:45 | 9.93 | 8.37 | 31.59 | 28.57 | 3.01 | 2.50 |
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:58 | 9.00 | 8.34 | 31.30 | 27.55 | 2.81 | 2.50 |
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:58 | 9.29 | 8.34 | 31.92 | 27.46 | 3.30 | 2.50 |
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 4.90 | 17:57 | 9.24 | 8.32 | 31.85 | 27.75 | 2.22 | 2.50 |
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 4.90 | 17:57 | 9.47 | 8.27 | 31.87 | 27.85 | 2.33 | 2.50 |
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 8.80 | 17:56 | 8.97 | 8.26 | 31.81 | 27.59 | 2.38 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 8.80 | 17:56 | 8.98 | 8.42 | 31.27 | 27.87 | 2.84 | 2.50 |
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:48 | 9.17 | 8.42 | 31.46 | 27.96 | 3.06 | 2.50 |
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:48 | 9.11 | 8.35 | 31.13 | 27.89 | 2.67 | 2.50 |
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 4.55 | 8:47 | 8.76 | 8.29 | 31.42 | 27.91 | 2.91 | 2.50 |
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 4.55 | 8:47 | 8.69 | 8.32 | 30.99 | 27.94 | 2.63 | 2.50 |
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 8.10 | 8:46 | 8.88 | 8.26 | 31.27 | 27.93 | 2.30 | 2.50 |
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 8.10 | 8:46 | 9.48 | 8.34 | 31.56 | 27.89 | 2.18 | 2.50 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:01 | 8.95 | 8.30 | 31.79 | 30.11 | 3.22 | 2.50 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:01 | 9.06 | 8.34 | 31.61 | 30.13 | 3.19 | 2.50 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 9:00 | 8.34 | 8.22 | 31.67 | 29.99 | 2.62 | 2.50 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 9:00 | 8.61 | 8.12 | 31.46 | 30.06 | 2.48 | 2.50 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 8:59 | 9.22 | 8.31 | 32.09 | 30.19 | 2.40 | 2.50 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 8:59 | 9.37 | 8.25 | 32.13 | 30.02 | 2.35 | 2.50 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:50 | 9.05 | 8.43 | 30.67 | 30.11 | 2.13 | 2.70 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:50 | 8.99 | 8.28 | 30.72 | 30.04 | 2.09 | 5.00 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 11:49 | 8.73 | 8.17 | 30.52 | 30.07 | 1.82 | 2.80 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 11:49 | 9.03 | 8.24 | 30.67 | 30.30 | 2.10 | 2.70 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 11:48 | 9.27 | 8.18 | 30.62 | 30.30 | 1.85 | 3.90 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 11:48 | 9.23 | 8.25 | 30.58 | 30.09 | 1.57 | 2.50 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:57 | 9.40 | 8.20 | 31.14 | 28.06 | 2.56 | 2.50 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:57 | 9.47 | 8.27 | 31.07 | 28.01 | 2.27 | 2.50 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 15:56 | 8.59 | 8.23 | 31.50 | 27.94 | 2.55 | 2.60 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 15:56 | 9.34 | 8.41 | 31.53 | 28.01 | 2.30 | 2.50 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 15:55 | 9.52 | 8.38 | 31.58 | 28.05 | 2.21 | 2.50 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 15:55 | 8.79 | 8.39 | 31.56 | 28.14 | 1.94 | 2.50 |
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:13 | 9.24 | 8.34 | 31.29 | 27.04 | 3.12 | 2.50 |
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:13 | 9.29 | 8.27 | 31.06 | 27.19 | 3.02 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 4.80 | 16:12 | 9.39 | 8.43 | 31.46 | 27.21 | 3.33 | 2.70 |
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 4.80 | 16:12 | 8.74 | 8.32 | 31.68 | 27.03 | 3.31 | 2.50 |
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 8.60 | 16:11 | 8.45 | 8.36 | 31.31 | 27.02 | 2.42 | 2.50 |
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 8.60 | 16:11 | 8.40 | 8.39 | 31.44 | 27.04 | 2.56 | 2.50 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:33 | 8.49 | 8.26 | 31.77 | 28.07 | 2.78 | 3.10 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:33 | 9.64 | 8.35 | 31.56 | 28.17 | 2.94 | 2.90 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 4.50 | 17:32 | 8.80 | 8.42 | 31.70 | 28.00 | 2.94 | 2.50 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 4.50 | 17:32 | 8.68 | 8.50 | 31.86 | 28.05 | 2.95 | 3.30 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 8.00 | 17:31 | 9.13 | 8.38 | 31.38 | 28.23 | 2.77 | 2.50 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 8.00 | 17:31 | 9.82 | 8.48 | 31.88 | 28.21 | 2.48 | 2.70 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:47 | 9.21 | 8.31 | 31.00 | 29.54 | 3.32 | 2.50 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:47 | 9.29 | 8.51 | 30.51 | 29.45 | 2.79 | 2.50 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 8:46 | 8.82 | 8.30 | 30.68 | 29.42 | 3.21 | 2.50 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 8:46 | 8.77 | 8.51 | 30.55 | 29.48 | 3.00 | 2.50 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 8:45 | 9.46 | 8.34 | 30.77 | 29.48 | 2.29 | 2.50 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 8:45 | 8.54 | 8.53 | 31.14 | 29.41 | 2.45 | 2.50 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:22 | 10.05 | 8.42 | 28.91 | 27.73 | 3.68 | 4.90 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:22 | 9.85 | 8.30 | 29.00 | 27.63 | 3.25 | 3.40 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 3.95 | 10:21 | 9.69 | 8.33 | 29.04 | 27.53 | 2.70 | 6.80 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 3.95 | 10:21 | 10.12 | 8.46 | 29.30 | 27.70 | 2.79 | 5.30 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 6.90 | 10:20 | 10.42 | 8.30 | 29.17 | 27.54 | 2.96 | 3.20 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 6.90 | 10:20 | 10.15 | 8.35 | 28.86 | 27.64 | 2.93 | 3.20 |
| WSR03 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:46 | 9.68 | 8.39 | 30.13 | 29.26 | 2.31 | 2.60 |
| WSR03 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 11:46 | 9.01 | 8.42 | 30.86 | 29.17 | 2.48 | 2.50 |
| WSR03 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 3.95 | 11:45 | 10.14 | 8.48 | 30.39 | 29.24 | 2.17 | 2.50 |
| WSR03 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 3.95 | 11:45 | 9.66 | 8.35 | 30.83 | 29.18 | 2.28 | 2.90 |
| WSR03 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 6.90 | 11:44 | 10.90 | 8.43 | 30.12 | 29.15 | 2.57 | 2.90 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 6.90 | 11:44 | 9.46 | 8.44 | 30.49 | 29.36 | 2.25 | 2.50 |
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 14:21 | 9.75 | 8.59 | 32.08 | 28.28 | 2.46 | 2.50 |
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 14:21 | 9.29 | 8.67 | 32.40 | 28.16 | 2.93 | 2.50 |
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 4.15 | 14:20 | 9.61 | 8.41 | 31.89 | 28.16 | 2.22 | 4.00 |
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 4.15 | 14:20 | 9.42 | 8.56 | 32.12 | 28.04 | 2.59 | 4.70 |
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 7.30 | 14:19 | 9.70 | 8.60 | 32.55 | 28.08 | 2.04 | 4.10 |
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 7.30 | 14:19 | 9.58 | 8.43 | 32.26 | 28.19 | 2.37 | 6.50 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 15:44 | 9.39 | 8.39 | 32.69 | 29.26 | 2.49 | 2.50 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 15:44 | 9.03 | 8.39 | 32.42 | 29.05 | 2.34 | 12.90 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 4.15 | 15:43 | 9.82 | 8.41 | 32.75 | 29.27 | 2.55 | 2.60 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 4.15 | 15:43 | 9.68 | 8.42 | 32.81 | 29.09 | 2.24 | 13.90 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 7.30 | 15:42 | 9.19 | 8.46 | 32.04 | 29.25 | 2.34 | 2.50 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 7.30 | 15:42 | 9.83 | 8.30 | 32.32 | 29.07 | 2.24 | 9.80 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:03 | 9.38 | 8.40 | 31.92 | 28.51 | 2.98 | 3.20 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:03 | 10.28 | 8.42 | 31.62 | 28.47 | 2.96 | 2.50 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 4.25 | 17:02 | 10.11 | 8.19 | 32.18 | 28.39 | 2.78 | 2.50 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 4.25 | 17:02 | 10.09 | 8.41 | 32.16 | 28.40 | 2.58 | 2.50 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 7.50 | 17:01 | 9.64 | 8.41 | 32.34 | 28.37 | 2.63 | 2.50 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 7.50 | 17:01 | 10.14 | 8.35 | 32.33 | 28.43 | 2.43 | 2.50 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:12 | 9.03 | 8.40 | 31.93 | 27.47 | 3.00 | 2.50 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:12 | 9.48 | 8.46 | 31.49 | 27.58 | 3.04 | 2.50 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 3.90 | 18:11 | 9.64 | 8.28 | 31.47 | 27.62 | 2.37 | 2.50 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 3.90 | 18:11 | 9.61 | 8.49 | 31.41 | 27.60 | 2.81 | 2.50 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 6.80 | 18:10 | 9.54 | 8.48 | 31.96 | 27.82 | 2.69 | 2.50 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 6.80 | 18:10 | 8.91 | 8.30 | 32.05 | 27.71 | 2.26 | 2.50 |
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:02 | 9.45 | 8.44 | 31.39 | 28.03 | 2.48 | 2.50 |
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:02 | 8.91 | 8.43 | 31.58 | 27.85 | 2.94 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 4.05 | 9:01 | 9.37 | 8.28 | 31.36 | 28.05 | 2.41 | 2.50 |
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 4.05 | 9:01 | 9.09 | 8.30 | 30.86 | 28.02 | 2.08 | 2.50 |
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 7.10 | 9:00 | 9.33 | 8.30 | 31.09 | 27.95 | 2.04 | 2.50 |
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 7.10 | 9:00 | 8.57 | 8.26 | 30.99 | 28.01 | 2.16 | 2.50 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:14 | 8.59 | 8.33 | 31.49 | 30.21 | 2.52 | 2.50 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:14 | 9.03 | 8.15 | 32.01 | 30.11 | 2.42 | 2.50 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 3.80 | 9:13 | 9.37 | 8.14 | 32.25 | 30.11 | 2.17 | 3.10 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 3.80 | 9:13 | 9.41 | 8.16 | 32.01 | 30.20 | 2.97 | 2.50 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 6.60 | 9:12 | 9.06 | 8.25 | 31.71 | 30.10 | 2.49 | 2.50 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 6.60 | 9:12 | 9.36 | 8.34 | 31.64 | 30.08 | 2.01 | 2.50 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:03 | 9.14 | 8.30 | 30.98 | 30.39 | 2.65 | 2.80 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:03 | 9.34 | 8.24 | 30.55 | 30.14 | 2.37 | 3.30 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 3.95 | 12:02 | 9.22 | 8.37 | 30.56 | 30.11 | 1.92 | 4.20 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 3.95 | 12:02 | 9.24 | 8.17 | 30.84 | 30.19 | 2.06 | 2.50 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 6.90 | 12:01 | 9.14 | 8.27 | 30.88 | 30.15 | 2.03 | 4.90 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 6.90 | 12:01 | 8.92 | 8.40 | 30.91 | 30.38 | 1.90 | 2.50 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:11 | 9.40 | 8.29 | 31.44 | 28.15 | 2.82 | 2.50 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:11 | 9.42 | 8.35 | 31.31 | 28.04 | 2.44 | 2.50 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 4.20 | 16:10 | 9.22 | 8.41 | 31.51 | 28.05 | 2.57 | 2.50 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 4.20 | 16:10 | 8.65 | 8.40 | 31.18 | 28.00 | 2.21 | 2.50 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 7.40 | 16:09 | 9.17 | 8.34 | 31.04 | 28.00 | 2.62 | 2.50 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 7.40 | 16:09 | 9.01 | 8.37 | 31.14 | 28.06 | 2.22 | 2.50 |
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:26 | 8.79 | 8.26 | 31.58 | 27.13 | 2.99 | 2.50 |
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:26 | 8.69 | 8.38 | 31.06 | 27.29 | 2.84 | 2.50 |
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 4.05 | 16:25 | 9.36 | 8.52 | 31.66 | 27.31 | 2.74 | 2.50 |
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 4.05 | 16:25 | 8.91 | 8.26 | 31.31 | 27.26 | 2.97 | 2.50 |
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 7.10 | 16:24 | 8.59 | 8.42 | 31.52 | 27.16 | 3.14 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 7.10 | 16:24 | 8.86 | 8.29 | 31.04 | 27.30 | 3.18 | 2.50 |
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:44 | 9.66 | 8.42 | 31.61 | 28.10 | 3.02 | 2.50 |
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:44 | 9.45 | 8.37 | 31.74 | 28.01 | 3.11 | 3.20 |
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 4.00 | 17:43 | 9.47 | 8.26 | 31.27 | 27.86 | 2.75 | 2.60 |
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 4.00 | 17:43 | 9.77 | 8.32 | 31.76 | 28.13 | 2.76 | 2.50 |
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 7.00 | 17:42 | 9.83 | 8.36 | 31.69 | 27.89 | 2.53 | 2.50 |
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 7.00 | 17:42 | 9.29 | 8.47 | 31.59 | 27.99 | 2.53 | 3.00 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:02 | 9.51 | 8.44 | 30.49 | 29.51 | 3.18 | 2.80 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:02 | 8.63 | 8.45 | 30.60 | 29.47 | 3.00 | 2.50 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 4.25 | 9:01 | 8.66 | 8.44 | 30.88 | 29.64 | 3.27 | 4.90 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 4.25 | 9:01 | 8.78 | 8.37 | 30.91 | 29.44 | 3.27 | 4.90 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 7.50 | 9:00 | 8.49 | 8.37 | 30.84 | 29.64 | 2.48 | 2.50 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 7.50 | 9:00 | 8.53 | 8.29 | 30.40 | 29.52 | 2.77 | 2.50 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:36 | 9.72 | 8.43 | 29.22 | 27.82 | 3.42 | 4.40 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:36 | 10.73 | 8.40 | 29.12 | 27.60 | 3.43 | 4.60 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 3.35 | 10:35 | 10.06 | 8.50 | 29.28 | 27.66 | 2.89 | 5.20 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 3.35 | 10:35 | 10.19 | 8.45 | 28.88 | 27.77 | 2.65 | 3.80 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 5.70 | 10:34 | 10.77 | 8.29 | 29.24 | 27.59 | 2.98 | 6.80 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 5.70 | 10:34 | 9.95 | 8.29 | 29.12 | 27.60 | 2.76 | 4.20 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:00 | 10.92 | 8.43 | 30.12 | 29.34 | 2.79 | 2.50 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:00 | 10.57 | 8.40 | 30.46 | 29.26 | 2.92 | 10.50 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 3.65 | 11:59 | 10.54 | 8.52 | 30.11 | 29.38 | 2.21 | 2.50 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 3.65 | 11:59 | 10.54 | 8.50 | 30.15 | 29.22 | 2.60 | 2.50 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 6.30 | 11:58 | 10.14 | 8.36 | 30.21 | 29.32 | 2.19 | 2.50 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 6.30 | 11:58 | 10.89 | 8.40 | 30.74 | 29.29 | 2.39 | 2.50 |
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 14:37 | 9.22 | 8.61 | 32.55 | 27.99 | 2.52 | 2.50 |
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 14:37 | 9.46 | 8.66 | 31.85 | 27.98 | 2.53 | 3.00 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 3.40 | 14:36 | 10.07 | 8.69 | 32.30 | 28.07 | 2.11 | 3.00 |
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 3.40 | 14:36 | 9.38 | 8.45 | 31.75 | 28.15 | 1.90 | 2.80 |
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 5.80 | 14:35 | 9.58 | 8.55 | 31.41 | 28.17 | 2.40 | 3.00 |
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 5.80 | 14:35 | 9.93 | 8.52 | 32.06 | 28.12 | 2.24 | 2.50 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 16:00 | 9.02 | 8.35 | 32.05 | 29.22 | 2.31 | 11.00 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 16:00 | 9.54 | 8.44 | 32.07 | 29.16 | 2.44 | 4.80 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 3.90 | 15:59 | 9.28 | 8.50 | 32.19 | 29.25 | 2.02 | 6.00 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 3.90 | 15:59 | 9.82 | 8.44 | 32.40 | 29.11 | 2.13 | 2.70 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 6.80 | 15:58 | 9.21 | 8.47 | 32.78 | 29.26 | 2.28 | 15.60 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 6.80 | 15:58 | 9.57 | 8.29 | 32.65 | 29.22 | 2.21 | 3.60 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:17 | 9.54 | 8.33 | 32.07 | 28.57 | 3.15 | 2.50 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:17 | 10.25 | 8.43 | 31.84 | 28.59 | 3.19 | 2.50 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 3.60 | 17:16 | 9.33 | 8.32 | 31.81 | 28.55 | 2.44 | 2.50 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 3.60 | 17:16 | 9.71 | 8.40 | 32.05 | 28.53 | 2.65 | 3.10 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 6.20 | 17:15 | 9.20 | 8.35 | 32.17 | 28.41 | 2.62 | 2.50 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 6.20 | 17:15 | 9.79 | 8.28 | 32.32 | 28.41 | 2.96 | 2.50 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:28 | 9.30 | 8.31 | 31.31 | 27.66 | 3.18 | 2.50 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:28 | 9.65 | 8.39 | 31.39 | 27.35 | 3.09 | 2.50 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 18:27 | 9.01 | 8.45 | 31.35 | 27.62 | 2.48 | 2.50 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 18:27 | 9.52 | 8.45 | 31.91 | 27.65 | 2.78 | 2.50 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 18:26 | 9.20 | 8.28 | 31.26 | 27.70 | 2.15 | 2.50 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 18:26 | 8.88 | 8.41 | 31.72 | 27.54 | 2.08 | 2.50 |
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:18 | 8.81 | 8.29 | 31.13 | 27.84 | 3.05 | 2.50 |
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:18 | 9.18 | 8.32 | 30.99 | 27.84 | 2.55 | 2.50 |
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 3.70 | 9:17 | 9.56 | 8.31 | 31.08 | 28.03 | 2.77 | 2.50 |
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 3.70 | 9:17 | 9.30 | 8.40 | 31.41 | 27.98 | 2.87 | 2.50 |
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 6.40 | 9:16 | 8.68 | 8.24 | 30.85 | 28.02 | 2.62 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 6.40 | 9:16 | 8.49 | 8.24 | 31.02 | 27.91 | 2.67 | 2.90 |
| WSR04 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:30 | 8.15 | 8.21 | 31.46 | 30.20 | 2.98 | 2.50 |
| WSR04 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:30 | 8.63 | 8.18 | 31.90 | 30.24 | 2.59 | 2.50 |
| WSR04 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 3.85 | 9:29 | 9.27 | 8.18 | 31.87 | 30.25 | 2.24 | 2.50 |
| WSR04 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 3.85 | 9:29 | 9.26 | 8.10 | 31.96 | 30.21 | 2.77 | 2.50 |
| WSR04 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 6.70 | 9:28 | 8.28 | 8.29 | 31.86 | 30.16 | 2.40 | 2.50 |
| WSR04 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 6.70 | 9:28 | 8.76 | 8.30 | 31.48 | 30.29 | 2.01 | 3.00 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:15 | 8.65 | 8.24 | 30.60 | 30.09 | 2.37 | 2.60 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:15 | 9.29 | 8.19 | 30.66 | 30.18 | 2.07 | 2.80 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 3.90 | 12:14 | 9.53 | 8.18 | 30.81 | 30.15 | 2.16 | 3.10 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 3.90 | 12:14 | 9.27 | 8.43 | 30.66 | 30.09 | 2.55 | 3.00 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 6.80 | 12:13 | 9.44 | 8.34 | 30.48 | 30.19 | 1.93 | 2.50 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 6.80 | 12:13 | 9.44 | 8.31 | 30.54 | 30.33 | 2.14 | 2.50 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:27 | 8.75 | 8.25 | 31.20 | 27.97 | 2.93 | 2.50 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:27 | 9.24 | 8.20 | 31.16 | 28.08 | 2.47 | 2.50 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 3.50 | 16:26 | 9.02 | 8.36 | 31.65 | 28.13 | 2.34 | 2.50 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 3.50 | 16:26 | 9.64 | 8.29 | 31.29 | 28.24 | 2.73 | 2.60 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 6.00 | 16:25 | 9.19 | 8.41 | 31.60 | 28.13 | 1.88 | 2.50 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 6.00 | 16:25 | 9.38 | 8.45 | 31.36 | 28.07 | 2.25 | 2.50 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:42 | 8.84 | 8.51 | 31.55 | 27.19 | 3.05 | 2.50 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:42 | 9.40 | 8.26 | 31.20 | 27.19 | 3.46 | 2.50 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 3.55 | 16:41 | 9.55 | 8.27 | 31.33 | 27.21 | 2.76 | 2.50 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 3.55 | 16:41 | 8.98 | 8.34 | 31.08 | 27.18 | 2.95 | 2.50 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 6.10 | 16:40 | 8.94 | 8.46 | 31.39 | 27.33 | 2.52 | 2.50 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 6.10 | 16:40 | 9.18 | 8.34 | 31.15 | 27.15 | 2.64 | 2.50 |
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:53 | 9.19 | 8.52 | 31.58 | 28.05 | 2.77 | 2.50 |
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:53 | 8.62 | 8.31 | 31.17 | 28.15 | 2.91 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 3.50 | 17:52 | 9.49 | 8.34 | 31.85 | 28.09 | 2.70 | 2.50 |
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 3.50 | 17:52 | 9.76 | 8.53 | 31.72 | 27.95 | 2.98 | 2.50 |
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 6.00 | 17:51 | 9.23 | 8.26 | 31.48 | 28.17 | 2.20 | 2.50 |
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 6.00 | 17:51 | 9.82 | 8.40 | 31.79 | 28.01 | 2.52 | 2.50 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:18 | 9.16 | 8.47 | 30.70 | 29.57 | 2.88 | 2.50 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:18 | 8.82 | 8.36 | 30.43 | 29.55 | 2.93 | 2.50 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 3.50 | 9:17 | 9.46 | 8.53 | 31.05 | 29.58 | 2.57 | 2.50 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 3.50 | 9:17 | 9.61 | 8.52 | 30.69 | 29.63 | 2.66 | 2.50 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 6.00 | 9:16 | 8.76 | 8.25 | 30.55 | 29.61 | 2.19 | 3.90 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 6.00 | 9:16 | 9.17 | 8.33 | 31.13 | 29.51 | 2.31 | 3.90 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:47 | 9.82 | 8.50 | 29.22 | 27.91 | 3.71 | 24.30 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:47 | 10.62 | 8.27 | 29.11 | 27.77 | 3.19 | 3.00 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 8.00 | 11:46 | 9.79 | 8.45 | 28.81 | 27.84 | 2.90 | 4.10 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 8.00 | 11:46 | 10.14 | 8.37 | 29.35 | 27.90 | 2.66 | 4.90 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 15.00 | 11:45 | 9.78 | 8.47 | 29.09 | 27.90 | 3.24 | 4.60 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 15.00 | 11:45 | 9.80 | 8.47 | 29.03 | 27.82 | 2.97 | 5.50 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 13:12 | 10.98 | 8.47 | 30.89 | 29.43 | 2.60 | 10.30 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 13:12 | 10.62 | 8.42 | 30.50 | 29.43 | 2.87 | 14.10 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 7.60 | 13:11 | 10.32 | 8.44 | 30.81 | 29.55 | 2.80 | 2.50 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 7.60 | 13:11 | 10.21 | 8.40 | 30.14 | 29.36 | 2.55 | 28.20 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 14.20 | 13:10 | 10.33 | 8.35 | 30.62 | 29.49 | 2.35 | 3.10 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 14.20 | 13:10 | 8.98 | 8.30 | 30.87 | 29.44 | 2.55 | 2.90 |
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:46 | 10.24 | 8.67 | 32.46 | 27.92 | 2.18 | 3.10 |
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:46 | 9.81 | 8.43 | 32.16 | 27.90 | 2.39 | 5.80 |
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 8.50 | 15:45 | 10.12 | 8.45 | 32.31 | 27.96 | 2.30 | 2.50 |
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 8.50 | 15:45 | 9.35 | 8.59 | 32.00 | 27.89 | 2.11 | 2.50 |
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 16.00 | 15:44 | 9.86 | 8.41 | 31.64 | 27.94 | 2.28 | 3.70 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 16.00 | 15:44 | 10.11 | 8.62 | 31.66 | 27.87 | 2.15 | 4.20 |
| WSR16 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 17:10 | 9.57 | 8.51 | 32.02 | 29.01 | 3.09 | 13.20 |
| WSR16 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 17:10 | 9.26 | 8.31 | 31.99 | 29.08 | 2.79 | 4.10 |
| WSR16 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 8.40 | 17:09 | 9.16 | 8.34 | 32.40 | 29.02 | 2.13 | 3.50 |
| WSR16 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 8.40 | 17:09 | 9.59 | 8.30 | 32.14 | 29.17 | 2.10 | 4.40 |
| WSR16 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 15.80 | 17:08 | 9.73 | 8.44 | 32.11 | 29.01 | 2.24 | 4.60 |
| WSR16 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 15.80 | 17:08 | 9.05 | 8.49 | 32.38 | 29.16 | 1.88 | 2.90 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:29 | 9.47 | 8.29 | 32.15 | 28.23 | 2.87 | 2.50 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:29 | 10.23 | 8.37 | 31.82 | 28.20 | 3.32 | 2.50 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 7.95 | 18:28 | 10.23 | 8.35 | 31.98 | 28.38 | 2.70 | 2.50 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 7.95 | 18:28 | 9.20 | 8.22 | 31.83 | 28.41 | 2.53 | 2.50 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 14.90 | 18:27 | 9.49 | 8.27 | 32.10 | 28.32 | 2.65 | 3.10 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 14.90 | 18:27 | 9.40 | 8.26 | 31.77 | 28.51 | 2.80 | 2.50 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 19:40 | 9.34 | 8.34 | 31.88 | 27.40 | 2.64 | 5.60 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 19:40 | 9.05 | 8.28 | 32.06 | 27.42 | 3.01 | 6.30 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 8.05 | 19:39 | 9.27 | 8.29 | 31.53 | 27.55 | 2.26 | 2.50 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 8.05 | 19:39 | 9.24 | 8.50 | 31.70 | 27.46 | 2.28 | 2.50 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 15.10 | 19:38 | 9.46 | 8.43 | 31.40 | 27.64 | 2.37 | 2.50 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 15.10 | 19:38 | 9.34 | 8.34 | 31.30 | 27.28 | 2.19 | 2.50 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:30 | 8.64 | 8.44 | 30.86 | 28.10 | 2.90 | 2.50 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:30 | 8.75 | 8.43 | 31.28 | 27.99 | 2.63 | 3.20 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 7.75 | 10:29 | 9.17 | 8.41 | 31.08 | 27.99 | 2.11 | 2.70 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 7.75 | 10:29 | 8.74 | 8.24 | 31.20 | 28.30 | 2.29 | 2.70 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 14.50 | 10:28 | 9.39 | 8.31 | 31.44 | 28.28 | 2.13 | 2.50 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 14.50 | 10:28 | 9.34 | 8.42 | 30.89 | 28.17 | 1.84 | 2.60 |
| WSR16 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:41 | 9.39 | 8.10 | 31.65 | 30.15 | 2.68 | 2.50 |
| WSR16 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:41 | 8.36 | 8.22 | 31.51 | 30.09 | 2.79 | 2.60 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 8.40 | 10:40 | 9.34 | 8.16 | 31.42 | 30.30 | 2.94 | 2.50 |
| WSR16 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 8.40 | 10:40 | 8.78 | 8.23 | 31.73 | 30.17 | 2.47 | 2.50 |
| WSR16 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 15.80 | 10:39 | 9.04 | 8.17 | 31.62 | 30.12 | 2.50 | 2.50 |
| WSR16 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 15.80 | 10:39 | 8.64 | 8.22 | 31.50 | 30.17 | 2.08 | 2.50 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 13:15 | 8.77 | 8.22 | 30.93 | 30.52 | 2.53 | 3.10 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 13:15 | 8.91 | 8.35 | 30.46 | 30.19 | 2.31 | 2.50 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 8.00 | 13:14 | 9.20 | 8.38 | 30.98 | 30.35 | 2.18 | 3.20 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 8.00 | 13:14 | 8.68 | 8.19 | 30.46 | 30.19 | 2.02 | 2.80 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 15.00 | 13:13 | 8.87 | 8.43 | 30.84 | 30.48 | 1.90 | 2.50 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 15.00 | 13:13 | 9.35 | 8.25 | 30.50 | 30.48 | 2.04 | 2.50 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:39 | 8.67 | 8.26 | 31.27 | 27.86 | 2.40 | 2.50 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:39 | 9.72 | 8.30 | 31.49 | 27.88 | 2.84 | 2.50 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 8.40 | 17:38 | 9.06 | 8.32 | 31.32 | 27.83 | 2.76 | 2.50 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 8.40 | 17:38 | 9.62 | 8.26 | 31.22 | 27.73 | 2.33 | 2.50 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 15.80 | 17:37 | 8.73 | 8.43 | 31.13 | 27.80 | 2.59 | 2.50 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 15.80 | 17:37 | 9.20 | 8.28 | 31.06 | 27.87 | 2.35 | 2.50 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:51 | 9.58 | 8.43 | 31.19 | 26.97 | 3.29 | 2.50 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:51 | 8.84 | 8.52 | 31.28 | 26.87 | 3.18 | 2.50 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 7.90 | 17:50 | 8.48 | 8.42 | 31.17 | 26.89 | 2.83 | 2.50 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 7.90 | 17:50 | 8.90 | 8.40 | 31.15 | 26.80 | 3.09 | 2.60 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 14.80 | 17:49 | 8.72 | 8.42 | 31.55 | 26.90 | 2.84 | 2.50 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 14.80 | 17:49 | 8.56 | 8.32 | 31.04 | 26.84 | 2.39 | 2.50 |
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:43 | 8.55 | 8.45 | 31.59 | 27.78 | 2.58 | 3.10 |
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:43 | 9.09 | 8.46 | 31.65 | 27.88 | 2.81 | 2.50 |
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 8.00 | 18:42 | 9.40 | 8.41 | 31.32 | 27.67 | 2.67 | 2.50 |
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 8.00 | 18:42 | 9.18 | 8.44 | 31.67 | 27.76 | 2.57 | 3.00 |
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 15.00 | 18:41 | 9.77 | 8.50 | 31.51 | 27.80 | 2.67 | 6.40 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 15.00 | 18:41 | 9.87 | 8.42 | 31.77 | 27.96 | 2.57 | 6.40 |
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:28 | 9.56 | 8.41 | 31.01 | 29.92 | 2.96 | 2.50 |
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:28 | 9.02 | 8.47 | 31.06 | 29.86 | 2.70 | 2.50 |
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 8.35 | 10:27 | 8.90 | 8.36 | 30.48 | 29.82 | 2.82 | 2.50 |
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 8.35 | 10:27 | 9.02 | 8.34 | 30.56 | 29.67 | 2.59 | 2.50 |
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 15.70 | 10:26 | 9.16 | 8.41 | 30.71 | 29.85 | 2.54 | 2.70 |
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 15.70 | 10:26 | 9.09 | 8.41 | 30.40 | 29.86 | 3.02 | 2.70 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:53 | 10.50 | 8.27 | 29.47 | 27.72 | 3.52 | 3.60 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:53 | 10.54 | 8.29 | 28.90 | 27.69 | 3.38 | 4.20 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 10:52 | 10.16 | 8.40 | 28.96 | 27.64 | 3.42 | 4.90 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 10:52 | 10.74 | 8.30 | 29.07 | 27.82 | 3.36 | 5.60 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 10:51 | 9.98 | 8.37 | 29.51 | 27.70 | 3.01 | 4.40 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 10:51 | 10.71 | 8.39 | 28.81 | 27.73 | 2.67 | 5.70 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:17 | 9.01 | 8.40 | 30.47 | 29.39 | 3.05 | 2.60 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:17 | 8.92 | 8.31 | 30.79 | 29.37 | 2.99 | 2.70 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 3.80 | 12:16 | 11.00 | 8.49 | 30.38 | 29.39 | 2.50 | 2.50 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 3.80 | 12:16 | 10.83 | 8.50 | 30.28 | 29.33 | 2.33 | 2.50 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 6.60 | 12:15 | 8.95 | 8.33 | 30.20 | 29.39 | 2.07 | 3.40 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 6.60 | 12:15 | 8.90 | 8.31 | 30.19 | 29.43 | 1.95 | 2.50 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 14:52 | 9.78 | 8.54 | 32.33 | 28.15 | 2.78 | 4.30 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 14:52 | 9.24 | 8.55 | 31.32 | 28.13 | 2.37 | 3.20 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 3.75 | 14:51 | 10.17 | 8.69 | 32.37 | 28.09 | 2.41 | 2.60 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 3.75 | 14:51 | 10.23 | 8.41 | 31.60 | 28.10 | 2.72 | 3.70 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 6.50 | 14:50 | 10.22 | 8.56 | 32.42 | 28.19 | 1.94 | 2.50 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 6.50 | 14:50 | 9.30 | 8.39 | 31.54 | 28.19 | 2.25 | 2.50 |
| WSR33 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 16:15 | 9.94 | 8.46 | 32.55 | 29.08 | 3.03 | 3.20 |
| WSR33 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 16:15 | 9.66 | 8.50 | 32.18 | 29.06 | 2.76 | 3.40 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 3.75 | 16:14 | 9.86 | 8.42 | 32.47 | 29.15 | 2.46 | 4.30 |
| WSR33 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 3.75 | 16:14 | 9.58 | 8.44 | 32.64 | 29.03 | 2.06 | 3.10 |
| WSR33 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 6.50 | 16:13 | 9.44 | 8.51 | 32.10 | 29.00 | 2.44 | 3.00 |
| WSR33 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 6.50 | 16:13 | 9.40 | 8.32 | 32.19 | 29.05 | 2.28 | 3.20 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:34 | 10.06 | 8.43 | 31.82 | 28.38 | 3.44 | 2.50 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:34 | 9.75 | 8.36 | 32.04 | 28.42 | 2.92 | 2.50 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 3.75 | 17:33 | 10.18 | 8.19 | 31.65 | 28.42 | 2.83 | 3.30 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 3.75 | 17:33 | 10.32 | 8.28 | 32.03 | 28.56 | 3.00 | 3.60 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 6.50 | 17:32 | 9.82 | 8.24 | 31.69 | 28.48 | 2.62 | 2.50 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 6.50 | 17:32 | 10.24 | 8.27 | 31.68 | 28.54 | 2.76 | 2.50 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:43 | 8.87 | 8.30 | 31.94 | 27.35 | 3.08 | 2.50 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:43 | 9.19 | 8.34 | 31.74 | 27.46 | 2.73 | 2.50 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 18:42 | 9.15 | 8.28 | 31.59 | 27.54 | 2.71 | 2.50 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 18:42 | 9.30 | 8.37 | 31.43 | 27.63 | 2.50 | 2.50 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 18:41 | 9.54 | 8.41 | 31.87 | 27.65 | 2.76 | 2.50 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 18:41 | 9.10 | 8.46 | 32.07 | 27.71 | 2.33 | 2.50 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:33 | 9.42 | 8.27 | 31.59 | 28.01 | 2.64 | 2.60 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:33 | 9.60 | 8.39 | 31.32 | 28.06 | 2.73 | 2.60 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 3.65 | 9:32 | 9.11 | 8.21 | 31.00 | 28.09 | 2.38 | 3.00 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 3.65 | 9:32 | 8.79 | 8.43 | 31.18 | 28.22 | 2.21 | 2.50 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 6.30 | 9:31 | 9.40 | 8.20 | 31.28 | 28.22 | 2.03 | 2.50 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 6.30 | 9:31 | 9.61 | 8.43 | 31.52 | 28.12 | 2.24 | 2.50 |
| WSR33 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:47 | 9.35 | 8.14 | 31.58 | 30.25 | 2.64 | 8.10 |
| WSR33 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:47 | 8.66 | 8.11 | 31.81 | 30.19 | 2.59 | 8.50 |
| WSR33 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 3.60 | 9:46 | 8.95 | 8.10 | 31.94 | 30.32 | 2.26 | 2.50 |
| WSR33 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 3.60 | 9:46 | 8.85 | 8.11 | 31.92 | 30.26 | 2.89 | 2.70 |
| WSR33 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 6.20 | 9:45 | 8.20 | 8.31 | 31.64 | 30.10 | 2.50 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 6.20 | 9:45 | 9.22 | 8.27 | 31.53 | 30.22 | 1.89 | 3.30 |
| WSR33 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:29 | 8.75 | 8.34 | 30.64 | 30.26 | 2.09 | 2.50 |
| WSR33 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:29 | 8.55 | 8.30 | 30.94 | 30.31 | 2.23 | 2.50 |
| WSR33 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 3.60 | 12:28 | 9.11 | 8.28 | 30.79 | 30.23 | 2.11 | 2.50 |
| WSR33 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 3.60 | 12:28 | 9.42 | 8.32 | 30.83 | 30.34 | 1.84 | 3.50 |
| WSR33 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 6.20 | 12:27 | 8.71 | 8.29 | 30.79 | 30.44 | 1.61 | 3.00 |
| WSR33 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 6.20 | 12:27 | 9.59 | 8.25 | 30.50 | 30.43 | 1.91 | 2.50 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:42 | 9.57 | 8.26 | 31.43 | 28.07 | 2.74 | 2.50 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:42 | 9.35 | 8.43 | 31.30 | 28.06 | 2.69 | 3.10 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 3.75 | 16:41 | 8.81 | 8.39 | 31.08 | 28.09 | 2.31 | 4.60 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 3.75 | 16:41 | 9.16 | 8.39 | 31.44 | 28.06 | 2.68 | 2.50 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 6.50 | 16:40 | 9.65 | 8.26 | 31.29 | 28.03 | 1.88 | 5.80 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 6.50 | 16:40 | 8.71 | 8.46 | 31.42 | 28.07 | 2.06 | 5.10 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:56 | 8.93 | 8.39 | 31.39 | 27.09 | 3.35 | 2.50 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:56 | 9.07 | 8.44 | 31.03 | 27.03 | 3.51 | 2.90 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 3.70 | 16:55 | 8.93 | 8.47 | 31.08 | 27.11 | 2.97 | 4.80 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 3.70 | 16:55 | 8.65 | 8.33 | 31.01 | 27.12 | 2.77 | 4.50 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 6.40 | 16:54 | 9.32 | 8.51 | 31.56 | 27.11 | 2.99 | 6.20 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 6.40 | 16:54 | 9.23 | 8.43 | 31.27 | 27.02 | 2.51 | 6.30 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:06 | 8.51 | 8.34 | 31.71 | 27.84 | 2.55 | 5.10 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:06 | 8.92 | 8.43 | 31.92 | 27.79 | 2.83 | 2.80 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 3.60 | 18:05 | 8.89 | 8.29 | 31.89 | 27.78 | 2.95 | 4.00 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 3.60 | 18:05 | 8.48 | 8.50 | 31.54 | 27.78 | 2.82 | 2.90 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 6.20 | 18:04 | 8.84 | 8.35 | 31.51 | 27.82 | 2.71 | 2.70 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 6.20 | 18:04 | 9.25 | 8.35 | 31.38 | 28.04 | 2.77 | 2.60 |
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:33 | 9.45 | 8.28 | 30.96 | 29.64 | 3.36 | 5.80 |
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:33 | 8.49 | 8.32 | 31.09 | 29.57 | 3.43 | 5.80 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 3.50 | 9:32 | 9.14 | 8.25 | 30.47 | 29.51 | 3.27 | 3.40 |
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 3.50 | 9:32 | 9.31 | 8.52 | 30.80 | 29.65 | 3.16 | 2.90 |
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 6.00 | 9:31 | 9.50 | 8.45 | 30.93 | 29.59 | 2.15 | 4.10 |
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 6.00 | 9:31 | 8.98 | 8.49 | 30.67 | 29.73 | 2.01 | 3.60 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:07 | 9.94 | 8.32 | 29.13 | 27.74 | 3.56 | 4.20 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:07 | 10.31 | 8.47 | 29.07 | 27.76 | 3.02 | 4.60 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 3.25 | 11:07 | 10.76 | 8.35 | 29.25 | 27.76 | 2.50 | 4.30 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 3.25 | 11:07 | 10.79 | 8.28 | 28.86 | 27.66 | 2.89 | 6.90 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 5.50 | 11:06 | 9.89 | 8.32 | 29.15 | 27.81 | 2.97 | 4.40 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 5.50 | 11:06 | 10.70 | 8.28 | 28.83 | 27.76 | 2.55 | 4.10 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:31 | 10.05 | 8.45 | 30.76 | 29.25 | 2.82 | 2.80 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:31 | 8.96 | 8.29 | 30.14 | 29.40 | 2.81 | 3.10 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 3.25 | 12:31 | 9.55 | 8.34 | 30.40 | 29.33 | 2.86 | 2.70 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 3.25 | 12:31 | 9.36 | 8.43 | 30.18 | 29.24 | 2.70 | 2.50 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 5.50 | 12:30 | 8.94 | 8.35 | 30.45 | 29.25 | 2.59 | 2.50 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 5.50 | 12:30 | 9.67 | 8.38 | 30.63 | 29.35 | 2.61 | 2.60 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:08 | 9.87 | 8.52 | 32.20 | 28.21 | 2.24 | 2.50 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:08 | 9.31 | 8.49 | 32.00 | 28.10 | 2.55 | 2.70 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 3.55 | 15:08 | 10.07 | 8.69 | 31.85 | 27.95 | 2.09 | 2.50 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 3.55 | 15:08 | 9.46 | 8.68 | 31.28 | 28.05 | 2.16 | 3.70 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 6.10 | 15:07 | 10.13 | 8.58 | 31.94 | 28.11 | 2.42 | 2.50 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 6.10 | 15:07 | 9.53 | 8.65 | 32.31 | 28.06 | 2.13 | 2.90 |
| WSR36 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 16:31 | 9.50 | 8.30 | 32.25 | 29.09 | 2.23 | 2.50 |
| WSR36 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 16:31 | 9.41 | 8.36 | 32.79 | 29.07 | 2.32 | 3.10 |
| WSR36 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 3.70 | 16:31 | 9.21 | 8.34 | 32.42 | 29.01 | 2.12 | 2.50 |
| WSR36 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 3.70 | 16:31 | 9.12 | 8.32 | 32.54 | 29.17 | 2.23 | 2.70 |
| WSR36 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 6.40 | 16:30 | 9.29 | 8.39 | 32.50 | 29.18 | 1.89 | 2.90 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR36 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 6.40 | 16:30 | 9.50 | 8.40 | 32.28 | 29.16 | 1.98 | 2.50 |
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:50 | 10.28 | 8.27 | 31.89 | 28.29 | 3.11 | 2.50 |
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:50 | 9.84 | 8.33 | 32.29 | 28.44 | 3.00 | 2.50 |
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 17:50 | 10.14 | 8.26 | 31.91 | 28.38 | 2.70 | 3.00 |
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 17:50 | 10.34 | 8.39 | 31.63 | 28.31 | 2.50 | 3.80 |
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 17:49 | 9.26 | 8.28 | 32.26 | 28.42 | 3.04 | 2.50 |
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 17:49 | 9.39 | 8.23 | 32.31 | 28.34 | 2.88 | 2.50 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:59 | 8.87 | 8.33 | 31.31 | 27.38 | 2.81 | 2.50 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:59 | 9.30 | 8.37 | 31.96 | 27.54 | 3.16 | 2.50 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 3.20 | 18:59 | 9.57 | 8.46 | 31.56 | 27.43 | 2.47 | 2.50 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 3.20 | 18:59 | 9.52 | 8.26 | 31.47 | 27.38 | 2.43 | 2.50 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 5.40 | 18:58 | 9.49 | 8.41 | 31.48 | 27.24 | 2.06 | 2.50 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 5.40 | 18:58 | 9.37 | 8.50 | 31.86 | 27.28 | 2.06 | 2.50 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:49 | 8.80 | 8.33 | 31.13 | 28.21 | 2.38 | 2.50 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:49 | 9.19 | 8.34 | 30.87 | 27.99 | 2.83 | 2.50 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 3.30 | 9:49 | 8.55 | 8.37 | 31.44 | 28.23 | 2.18 | 2.90 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 3.30 | 9:49 | 9.27 | 8.38 | 31.06 | 27.99 | 2.46 | 2.50 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 5.60 | 9:48 | 9.59 | 8.27 | 31.05 | 28.23 | 2.65 | 2.50 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 5.60 | 9:48 | 9.30 | 8.30 | 31.29 | 28.00 | 2.30 | 2.50 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:01 | 9.13 | 8.11 | 32.21 | 30.20 | 2.81 | 2.50 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:01 | 9.20 | 8.13 | 31.44 | 30.12 | 2.66 | 2.50 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 3.45 | 10:01 | 8.99 | 8.33 | 32.05 | 30.17 | 2.93 | 3.10 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 3.45 | 10:01 | 8.78 | 8.10 | 31.96 | 30.13 | 2.70 | 2.50 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 5.90 | 10:00 | 9.07 | 8.27 | 32.07 | 30.26 | 2.49 | 2.50 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 5.90 | 10:00 | 8.68 | 8.12 | 31.90 | 30.23 | 2.49 | 2.50 |
| WSR36 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:41 | 8.90 | 8.38 | 30.56 | 30.47 | 2.82 | 2.50 |
| WSR36 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:41 | 9.25 | 8.21 | 30.50 | 30.25 | 2.88 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR36 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 3.20 | 12:41 | 9.11 | 8.16 | 30.61 | 30.31 | 2.43 | 2.50 |
| WSR36 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 3.20 | 12:41 | 9.19 | 8.29 | 30.86 | 30.28 | 2.41 | 2.50 |
| WSR36 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 5.40 | 12:40 | 9.13 | 8.28 | 30.67 | 30.25 | 1.99 | 3.90 |
| WSR36 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 5.40 | 12:40 | 9.45 | 8.37 | 30.90 | 30.23 | 1.90 | 3.50 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:58 | 8.79 | 8.48 | 31.35 | 28.02 | 2.53 | 3.90 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 16:58 | 9.49 | 8.32 | 31.35 | 27.98 | 2.47 | 3.10 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 3.70 | 16:58 | 9.35 | 8.46 | 31.45 | 28.05 | 2.86 | 5.60 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 3.70 | 16:58 | 8.89 | 8.45 | 31.28 | 27.94 | 2.75 | 4.80 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 6.40 | 16:57 | 9.05 | 8.32 | 31.58 | 27.90 | 2.40 | 6.30 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 6.40 | 16:57 | 8.74 | 8.27 | 31.30 | 27.98 | 2.20 | 4.10 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:10 | 8.93 | 8.51 | 31.28 | 27.06 | 2.96 | 2.50 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:10 | 9.00 | 8.28 | 31.56 | 26.95 | 2.82 | 2.50 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 3.20 | 17:10 | 8.58 | 8.51 | 31.55 | 26.99 | 2.76 | 2.90 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 3.20 | 17:10 | 9.25 | 8.53 | 31.42 | 27.01 | 2.90 | 3.40 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 5.40 | 17:09 | 8.70 | 8.42 | 31.40 | 27.02 | 2.32 | 2.50 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 5.40 | 17:09 | 8.97 | 8.32 | 31.22 | 26.99 | 2.36 | 2.50 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 3.35 | 18:13 | 9.03 | 8.29 | 31.80 | 27.94 | 2.62 | 3.00 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 3.35 | 18:13 | 8.72 | 8.26 | 31.65 | 27.95 | 2.36 | 2.50 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 1.00 | 18:13 | 8.88 | 8.48 | 31.47 | 27.76 | 2.83 | 2.50 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 1.00 | 18:13 | 8.44 | 8.40 | 31.81 | 27.93 | 2.91 | 4.60 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 5.70 | 18:12 | 8.44 | 8.45 | 31.80 | 27.79 | 2.15 | 2.50 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 5.70 | 18:12 | 8.45 | 8.40 | 31.83 | 27.80 | 2.23 | 2.50 |
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:49 | 9.18 | 8.44 | 30.68 | 29.61 | 3.51 | 3.30 |
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:49 | 8.99 | 8.30 | 31.05 | 29.56 | 3.50 | 3.50 |
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 3.20 | 9:49 | 9.15 | 8.28 | 30.53 | 29.53 | 2.45 | 4.60 |
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 3.20 | 9:49 | 8.73 | 8.36 | 30.38 | 29.52 | 2.79 | 5.40 |
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 5.40 | 9:48 | 9.32 | 8.26 | 30.89 | 29.72 | 2.43 | 5.40 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 5.40 | 9:48 | 9.13 | 8.45 | 30.86 | 29.57 | 2.18 | 5.50 |
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:25 | 10.89 | 8.42 | 28.87 | 27.64 | 3.08 | 4.40 |
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:25 | 10.38 | 8.44 | 29.01 | 27.80 | 3.13 | 3.50 |
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 4.40 | 11:24 | 10.42 | 8.33 | 28.98 | 27.73 | 3.13 | 8.10 |
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Flood | Middle | 4.40 | 11:24 | 10.47 | 8.48 | 28.88 | 27.79 | 3.04 | 3.80 |
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 7.80 | 11:23 | 10.72 | 8.34 | 29.14 | 27.80 | 2.57 | 4.20 |
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Flood | Bottom | 7.80 | 11:23 | 10.45 | 8.40 | 29.22 | 27.69 | 2.44 | 5.50 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:49 | 9.16 | 8.39 | 30.59 | 29.58 | 3.00 | 2.50 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:49 | 9.83 | 8.46 | 30.65 | 29.36 | 2.61 | 2.50 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 4.05 | 12:48 | 10.42 | 8.32 | 30.91 | 29.55 | 2.16 | 2.50 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Flood | Middle | 4.05 | 12:48 | 9.86 | 8.49 | 30.46 | 29.35 | 2.08 | 2.70 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 7.10 | 12:47 | 9.99 | 8.51 | 30.68 | 29.58 | 2.37 | 2.50 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Flood | Bottom | 7.10 | 12:47 | 10.45 | 8.29 | 30.46 | 29.50 | 2.48 | 3.20 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:23 | 10.33 | 8.66 | 31.72 | 28.06 | 2.10 | 3.40 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 15:23 | 10.08 | 8.70 | 32.25 | 27.90 | 2.33 | 3.00 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 4.35 | 15:22 | 9.53 | 8.41 | 31.81 | 27.81 | 2.46 | 3.00 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Flood | Middle | 4.35 | 15:22 | 9.12 | 8.66 | 31.65 | 27.93 | 2.12 | 9.10 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 7.70 | 15:21 | 9.47 | 8.48 | 32.27 | 28.03 | 2.24 | 2.50 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Flood | Bottom | 7.70 | 15:21 | 9.90 | 8.70 | 31.25 | 27.99 | 2.50 | 3.00 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 16:47 | 9.41 | 8.44 | 32.21 | 28.98 | 2.24 | 2.70 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 16:47 | 9.88 | 8.45 | 32.28 | 28.94 | 2.36 | 6.20 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 3.85 | 16:46 | 9.93 | 8.50 | 32.54 | 28.95 | 2.10 | 3.40 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Flood | Middle | 3.85 | 16:46 | 9.14 | 8.28 | 32.22 | 29.15 | 2.38 | 3.50 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 6.70 | 16:45 | 9.02 | 8.46 | 32.35 | 28.94 | 1.95 | 2.50 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Flood | Bottom | 6.70 | 16:45 | 10.03 | 8.31 | 32.47 | 28.99 | 1.79 | 10.60 |
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:06 | 10.25 | 8.28 | 32.19 | 28.31 | 3.33 | 2.50 |
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:06 | 9.65 | 8.43 | 31.91 | 28.44 | 2.79 | 2.80 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 4.45 | 18:05 | 9.19 | 8.20 | 31.56 | 28.47 | 2.86 | 2.50 |
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Flood | Middle | 4.45 | 18:05 | 9.43 | 8.34 | 32.20 | 28.38 | 3.00 | 3.30 |
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 7.90 | 18:04 | 10.14 | 8.40 | 32.31 | 28.50 | 2.63 | 2.50 |
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Flood | Bottom | 7.90 | 18:04 | 10.11 | 8.28 | 32.28 | 28.32 | 2.25 | 2.50 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 19:15 | 9.38 | 8.43 | 31.70 | 27.35 | 3.11 | 2.50 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 19:15 | 9.52 | 8.49 | 31.94 | 27.34 | 3.24 | 2.50 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 4.40 | 19:14 | 9.40 | 8.42 | 31.54 | 27.61 | 2.64 | 2.50 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Flood | Middle | 4.40 | 19:14 | 9.54 | 8.27 | 31.41 | 27.39 | 2.58 | 2.50 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 7.80 | 19:13 | 9.44 | 8.32 | 31.60 | 27.60 | 2.81 | 2.50 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Flood | Bottom | 7.80 | 19:13 | 9.11 | 8.29 | 31.65 | 27.27 | 2.82 | 2.50 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:05 | 9.47 | 8.41 | 31.46 | 28.34 | 2.58 | 2.50 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:05 | 8.89 | 8.37 | 31.05 | 28.30 | 2.74 | 3.70 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 4.10 | 10:04 | 9.34 | 8.36 | 31.50 | 28.28 | 2.48 | 2.50 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Flood | Middle | 4.10 | 10:04 | 8.98 | 8.40 | 30.96 | 28.10 | 2.85 | 2.50 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 7.20 | 10:03 | 9.22 | 8.36 | 30.89 | 28.19 | 2.71 | 2.50 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Flood | Bottom | 7.20 | 10:03 | 9.06 | 8.35 | 31.52 | 27.96 | 2.41 | 2.50 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:19 | 8.94 | 8.34 | 32.21 | 30.14 | 2.43 | 3.60 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:19 | 8.65 | 8.24 | 31.74 | 30.21 | 3.13 | 2.50 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 4.40 | 10:18 | 8.33 | 8.10 | 32.20 | 30.11 | 2.80 | 2.50 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Flood | Middle | 4.40 | 10:18 | 9.42 | 8.34 | 31.68 | 30.19 | 2.17 | 4.60 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 7.80 | 10:17 | 9.19 | 8.13 | 32.10 | 30.30 | 2.55 | 2.50 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Flood | Bottom | 7.80 | 10:17 | 8.92 | 8.11 | 31.77 | 30.21 | 2.72 | 2.50 |
| WSR37 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:54 | 8.99 | 8.20 | 30.84 | 30.47 | 2.71 | 2.50 |
| WSR37 | 20210619 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 12:54 | 9.63 | 8.32 | 31.01 | 30.44 | 2.54 | 2.50 |
| WSR37 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 4.10 | 12:53 | 9.69 | 8.43 | 30.53 | 30.45 | 2.42 | 2.50 |
| WSR37 | 20210619 | Sunny | Moderate | Mid-Flood | Middle | 4.10 | 12:53 | 8.50 | 8.27 | 30.68 | 30.19 | 2.67 | 2.50 |
| WSR37 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 7.20 | 12:52 | 8.82 | 8.39 | 30.84 | 30.34 | 1.99 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR37 | 20210619 | Sunny | Moderate | Mid-Flood | Bottom | 7.20 | 12:52 | 8.81 | 8.38 | 30.54 | 30.24 | 2.03 | 2.50 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:14 | 9.07 | 8.22 | 31.15 | 27.98 | 2.88 | 9.00 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:14 | 9.10 | 8.48 | 31.60 | 27.84 | 2.50 | 9.30 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 17:13 | 8.94 | 8.41 | 31.48 | 27.91 | 2.79 | 3.60 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 17:13 | 8.96 | 8.22 | 31.08 | 27.99 | 2.36 | 3.10 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 17:12 | 8.80 | 8.35 | 31.54 | 27.90 | 2.51 | 4.00 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 17:12 | 8.65 | 8.41 | 31.45 | 27.80 | 2.37 | 3.40 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:28 | 8.49 | 8.34 | 31.65 | 26.86 | 3.20 | 5.60 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 17:28 | 9.52 | 8.49 | 31.51 | 26.88 | 3.41 | 5.80 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 4.05 | 17:27 | 9.58 | 8.44 | 31.22 | 27.01 | 2.82 | 3.80 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Flood | Middle | 4.05 | 17:27 | 8.71 | 8.40 | 31.10 | 26.80 | 2.61 | 3.90 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 7.10 | 17:26 | 8.76 | 8.26 | 31.37 | 26.85 | 2.62 | 3.40 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Flood | Bottom | 7.10 | 17:26 | 9.33 | 8.53 | 31.15 | 26.89 | 2.76 | 3.90 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:23 | 9.39 | 8.41 | 31.67 | 27.95 | 3.43 | 2.50 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 18:23 | 8.71 | 8.47 | 31.52 | 27.89 | 3.21 | 2.50 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 18:22 | 9.82 | 8.38 | 31.83 | 27.87 | 3.09 | 2.50 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 18:22 | 9.24 | 8.31 | 31.90 | 27.77 | 2.97 | 2.50 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 18:21 | 9.70 | 8.50 | 31.19 | 27.94 | 2.78 | 5.70 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 18:21 | 9.63 | 8.34 | 31.47 | 27.98 | 2.88 | 6.80 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:05 | 9.52 | 8.38 | 31.14 | 29.81 | 3.43 | 3.40 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:05 | 8.66 | 8.33 | 30.68 | 29.64 | 3.04 | 3.80 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 4.45 | 10:04 | 9.18 | 8.25 | 31.08 | 29.68 | 3.21 | 4.50 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Flood | Middle | 4.45 | 10:04 | 8.54 | 8.32 | 30.54 | 29.78 | 3.09 | 4.30 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 7.90 | 10:03 | 8.96 | 8.53 | 31.14 | 29.70 | 2.24 | 4.40 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Flood | Bottom | 7.90 | 10:03 | 9.18 | 8.53 | 31.03 | 29.64 | 2.46 | 2.50 |

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

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:32 | 10.01 | 8.44 | 29.06 | 28.06 | 3.68 | 2.90 |
| CE | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:32 | 9.88 | 8.47 | 29.26 | 28.01 | 3.85 | 3.00 |
| CE | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 11.15 | 15:31 | 10.27 | 8.58 | 28.28 | 28.10 | 3.92 | 4.10 |
| CE | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 11.15 | 15:31 | 9.56 | 8.49 | 28.78 | 27.97 | 3.45 | 4.00 |
| CE | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 21.30 | 15:30 | 10.38 | 8.35 | 28.75 | 28.15 | 3.52 | 2.90 |
| CE | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 21.30 | 15:30 | 10.04 | 8.55 | 29.14 | 28.11 | 3.33 | 3.20 |
| CE | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 15:32 | 9.22 | 8.62 | 29.38 | 29.39 | 4.17 | 3.80 |
| CE | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 15:32 | 9.17 | 8.48 | 29.93 | 29.18 | 4.14 | 2.80 |
| CE | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 11.70 | 15:31 | 9.32 | 8.63 | 29.92 | 29.23 | 3.96 | 2.90 |
| CE | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 11.70 | 15:31 | 9.38 | 8.50 | 29.28 | 29.40 | 3.58 | 5.80 |
| CE | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 22.40 | 15:30 | 9.67 | 8.72 | 30.26 | 29.26 | 3.53 | 2.70 |
| CE | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 22.40 | 15:30 | 9.45 | 8.63 | 30.33 | 29.34 | 3.47 | 3.20 |
| CE | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:02 | 9.10 | 8.50 | 31.40 | 27.40 | 3.00 | 2.50 |
| CE | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:02 | 9.40 | 8.50 | 30.90 | 27.20 | 3.00 | 3.00 |
| CE | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 12.00 | 8:01 | 10.00 | 8.60 | 31.30 | 27.40 | 3.50 | 2.60 |
| CE | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 12.00 | 8:01 | 9.90 | 8.40 | 31.90 | 27.40 | 3.50 | 4.30 |
| CE | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 22.90 | 8:00 | 9.30 | 8.60 | 31.30 | 27.30 | 2.80 | 3.10 |
| CE | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 22.90 | 8:00 | 10.20 | 8.30 | 30.90 | 27.30 | 3.20 | 3.40 |
| CE | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 8:59 | 10.92 | 8.36 | 31.67 | 28.70 | 3.10 | 3.40 |
| CE | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 8:59 | 9.58 | 8.26 | 32.14 | 28.66 | 3.10 | 3.10 |
| CE | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 11.90 | 8:58 | 10.78 | 8.34 | 32.17 | 28.72 | 2.74 | 4.40 |
| CE | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 11.90 | 8:58 | 9.85 | 8.41 | 31.43 | 28.53 | 3.03 | 13.00 |
| CE | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 22.80 | 8:57 | 9.81 | 8.29 | 32.50 | 28.76 | 2.83 | 3.90 |
| CE | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 22.80 | 8:57 | 9.43 | 8.47 | 32.32 | 28.56 | 3.05 | 3.00 |
| CE | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:42 | 9.91 | 8.38 | 31.72 | 28.81 | 3.42 | 2.50 |
| CE | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:42 | 9.56 | 8.54 | 31.98 | 28.59 | 3.59 | 2.50 |
| CE | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 10.05 | 10:41 | 10.23 | 8.38 | 31.78 | 28.63 | 2.93 | 6.60 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 10.05 | 10:41 | 9.56 | 8.36 | 31.54 | 28.82 | 2.97 | 6.30 |
| CE | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.10 | 10:40 | 9.98 | 8.35 | 32.05 | 28.74 | 3.21 | 2.70 |
| CE | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.10 | 10:40 | 10.10 | 8.44 | 31.07 | 28.74 | 3.43 | 2.50 |
| CE | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:37 | 9.25 | 8.45 | 30.80 | 27.77 | 3.41 | 2.50 |
| CE | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:37 | 9.56 | 8.46 | 30.26 | 28.06 | 3.85 | 2.50 |
| CE | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 10.65 | 11:36 | 9.75 | 8.42 | 30.33 | 28.03 | 3.65 | 2.50 |
| CE | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 10.65 | 11:36 | 9.15 | 8.51 | 30.65 | 28.09 | 3.45 | 2.50 |
| CE | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 20.30 | 11:35 | 9.24 | 8.52 | 30.11 | 28.05 | 2.92 | 2.50 |
| CE | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 20.30 | 11:35 | 9.61 | 8.52 | 30.94 | 27.83 | 2.67 | 2.50 |
| CE | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:58 | 9.37 | 8.35 | 31.03 | 28.38 | 2.70 | 2.50 |
| CE | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:58 | 9.32 | 8.41 | 30.56 | 28.42 | 2.67 | 2.50 |
| CE | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 11.10 | 13:57 | 8.98 | 8.61 | 29.98 | 28.36 | 2.83 | 2.50 |
| CE | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 11.10 | 13:57 | 9.53 | 8.61 | 30.69 | 28.44 | 3.31 | 2.80 |
| CE | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 21.20 | 13:56 | 8.83 | 8.60 | 30.53 | 28.49 | 2.67 | 2.50 |
| CE | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 21.20 | 13:56 | 9.32 | 8.51 | 30.04 | 28.33 | 2.99 | 2.50 |
| CE | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 15:17 | 8.97 | 8.08 | 31.26 | 30.41 | 2.51 | 2.80 |
| CE | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 15:17 | 9.01 | 8.22 | 30.97 | 30.37 | 2.71 | 2.50 |
| CE | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 10.90 | 15:16 | 7.58 | 8.09 | 31.47 | 30.37 | 2.21 | 2.50 |
| CE | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 10.90 | 15:16 | 7.98 | 8.17 | 31.18 | 30.34 | 2.08 | 2.50 |
| CE | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 20.80 | 15:15 | 8.30 | 8.25 | 31.30 | 30.49 | 2.24 | 2.50 |
| CE | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 20.80 | 15:15 | 8.10 | 8.18 | 30.85 | 30.37 | 2.03 | 2.50 |
| CE | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:20 | 9.25 | 8.39 | 30.73 | 30.23 | 3.13 | 2.50 |
| CE | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:20 | 9.26 | 8.33 | 31.06 | 30.10 | 2.99 | 2.50 |
| CE | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 11.25 | 16:19 | 8.62 | 8.46 | 30.36 | 30.09 | 2.52 | 2.50 |
| CE | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 11.25 | 16:19 | 8.54 | 8.39 | 30.75 | 30.24 | 2.73 | 3.00 |
| CE | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 21.50 | 16:18 | 8.55 | 8.31 | 30.42 | 30.06 | 2.44 | 2.50 |
| CE | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 21.50 | 16:18 | 9.23 | 8.29 | 30.24 | 30.01 | 2.26 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:26 | 9.19 | 8.33 | 31.71 | 27.33 | 3.46 | 2.50 |
| CE | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:26 | 8.79 | 8.43 | 30.95 | 27.31 | 2.99 | 2.50 |
| CE | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 10.05 | 8:25 | 9.46 | 8.40 | 31.04 | 27.53 | 2.88 | 2.60 |
| CE | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 10.05 | 8:25 | 9.75 | 8.32 | 30.99 | 27.36 | 3.05 | 2.70 |
| CE | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.10 | 8:24 | 8.77 | 8.53 | 31.49 | 27.44 | 2.57 | 8.00 |
| CE | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.10 | 8:24 | 9.94 | 8.24 | 31.73 | 27.39 | 2.20 | 8.10 |
| CE | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:01 | 9.32 | 8.38 | 31.72 | 26.55 | 3.35 | 2.50 |
| CE | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:01 | 9.46 | 8.25 | 31.34 | 26.59 | 3.37 | 2.50 |
| CE | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 10.95 | 10:00 | 9.27 | 8.37 | 31.50 | 26.51 | 3.89 | 2.50 |
| CE | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 10.95 | 10:00 | 9.48 | 8.29 | 31.29 | 26.74 | 3.47 | 2.50 |
| CE | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 20.90 | 9:59 | 8.85 | 8.41 | 31.14 | 26.53 | 3.38 | 6.40 |
| CE | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 20.90 | 9:59 | 8.58 | 8.44 | 31.62 | 26.61 | 3.02 | 6.00 |
| CE | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:40 | 9.80 | 8.30 | 31.31 | 28.39 | 4.09 | 3.70 |
| CE | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:40 | 8.98 | 8.30 | 31.04 | 28.47 | 4.09 | 4.10 |
| CE | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 12.00 | 11:39 | 9.76 | 8.60 | 30.99 | 28.54 | 3.50 | 3.20 |
| CE | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 12.00 | 11:39 | 9.36 | 8.30 | 31.19 | 28.40 | 3.52 | 5.70 |
| CE | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 22.90 | 11:38 | 8.72 | 8.40 | 31.02 | 28.39 | 3.15 | 3.70 |
| CE | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 22.90 | 11:38 | 8.53 | 8.30 | 31.30 | 28.27 | 3.12 | 3.70 |
| CE | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:07 | 8.66 | 8.45 | 30.90 | 29.87 | 3.21 | 2.80 |
| CE | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:07 | 8.80 | 8.33 | 31.06 | 30.02 | 3.14 | 2.50 |
| CE | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 11.35 | 14:06 | 8.82 | 8.41 | 30.60 | 29.92 | 2.88 | 2.70 |
| CE | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 11.35 | 14:06 | 8.80 | 8.22 | 30.98 | 29.95 | 2.97 | 2.50 |
| CE | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 21.70 | 14:05 | 9.03 | 8.22 | 30.64 | 29.90 | 3.17 | 5.40 |
| CE | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 21.70 | 14:05 | 8.68 | 8.27 | 30.73 | 30.08 | 3.31 | 5.40 |
| CF | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 18:19 | 9.94 | 8.55 | 29.08 | 27.84 | 3.62 | 3.70 |
| CF | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 18:19 | 9.80 | 8.41 | 28.46 | 27.79 | 3.94 | 2.50 |
| CF | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 9.75 | 18:18 | 9.70 | 8.40 | 29.21 | 27.79 | 4.01 | 3.60 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 9.75 | 18:18 | 9.87 | 8.64 | 28.38 | 27.82 | 3.55 | 2.90 |
| CF | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.50 | 18:17 | 9.90 | 8.53 | 28.94 | 27.79 | 3.52 | 3.70 |
| CF | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.50 | 18:17 | 9.66 | 8.55 | 28.88 | 27.91 | 2.99 | 4.70 |
| CF | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 18:19 | 9.71 | 8.67 | 29.82 | 28.87 | 4.03 | 2.50 |
| CF | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 18:19 | 9.63 | 8.65 | 30.39 | 28.91 | 3.83 | 3.50 |
| CF | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 10.60 | 18:18 | 9.44 | 8.72 | 29.48 | 29.10 | 3.38 | 3.50 |
| CF | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 10.60 | 18:18 | 9.72 | 8.70 | 29.35 | 28.90 | 3.18 | 2.90 |
| CF | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 20.20 | 18:17 | 9.41 | 8.63 | 30.03 | 29.10 | 3.12 | 4.60 |
| CF | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 20.20 | 18:17 | 9.11 | 8.63 | 29.92 | 28.97 | 3.58 | 4.60 |
| CF | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:51 | 8.90 | 8.50 | 31.50 | 27.90 | 3.00 | 3.10 |
| CF | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:51 | 9.60 | 8.60 | 31.20 | 27.70 | 3.40 | 3.70 |
| CF | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 10.20 | 10:50 | 9.90 | 8.60 | 31.30 | 27.70 | 3.30 | 4.60 |
| CF | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 10.20 | 10:50 | 10.00 | 8.40 | 31.90 | 27.70 | 3.20 | 3.30 |
| CF | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.30 | 10:49 | 9.70 | 8.60 | 30.90 | 27.80 | 3.20 | 3.80 |
| CF | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.30 | 10:49 | 9.70 | 8.50 | 32.00 | 27.80 | 3.30 | 3.40 |
| CF | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:47 | 10.93 | 8.28 | 31.83 | 29.39 | 3.13 | 5.80 |
| CF | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:47 | 11.15 | 8.37 | 32.51 | 29.32 | 3.12 | 19.20 |
| CF | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 10.15 | 11:46 | 10.85 | 8.23 | 31.93 | 29.31 | 3.16 | 3.60 |
| CF | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 10.15 | 11:46 | 9.43 | 8.34 | 31.37 | 29.26 | 3.05 | 3.90 |
| CF | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 19.30 | 11:45 | 10.50 | 8.24 | 32.24 | 29.20 | 3.22 | 5.80 |
| CF | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 19.30 | 11:45 | 10.61 | 8.45 | 31.97 | 29.15 | 2.96 | 20.10 |
| CF | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:34 | 10.26 | 8.50 | 32.01 | 29.12 | 3.31 | 3.30 |
| CF | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:34 | 9.94 | 8.38 | 31.12 | 28.97 | 3.85 | 2.50 |
| CF | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 10.15 | 13:33 | 9.62 | 8.31 | 31.32 | 29.01 | 3.27 | 2.50 |
| CF | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 10.15 | 13:33 | 9.40 | 8.54 | 32.01 | 29.09 | 3.49 | 2.60 |
| CF | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.30 | 13:32 | 9.82 | 8.55 | 31.86 | 29.08 | 2.93 | 2.50 |
| CF | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.30 | 13:32 | 10.02 | 8.52 | 32.21 | 29.24 | 2.90 | 2.70 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:27 | 9.77 | 8.38 | 30.96 | 28.27 | 3.79 | 2.50 |
| CF | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:27 | 9.01 | 8.36 | 30.44 | 28.25 | 3.50 | 2.50 |
| CF | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 9.85 | 14:26 | 9.10 | 8.35 | 30.67 | 28.60 | 3.04 | 2.60 |
| CF | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 9.85 | 14:26 | 9.45 | 8.49 | 30.91 | 28.54 | 2.81 | 2.50 |
| CF | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.70 | 14:25 | 9.68 | 8.36 | 31.04 | 28.28 | 3.06 | 3.30 |
| CF | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.70 | 14:25 | 9.21 | 8.43 | 30.45 | 28.54 | 2.72 | 2.50 |
| CF | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:45 | 8.95 | 8.50 | 30.15 | 28.16 | 3.29 | 2.50 |
| CF | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:45 | 9.49 | 8.49 | 30.49 | 28.27 | 3.40 | 2.50 |
| CF | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 9.85 | 16:44 | 9.67 | 8.59 | 30.82 | 28.37 | 3.16 | 2.50 |
| CF | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 9.85 | 16:44 | 9.21 | 8.59 | 30.62 | 28.25 | 2.93 | 2.50 |
| CF | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.70 | 16:43 | 8.96 | 8.36 | 30.05 | 28.16 | 2.99 | 2.50 |
| CF | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.70 | 16:43 | 8.82 | 8.56 | 30.11 | 28.13 | 2.63 | 2.50 |
| CF | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 18:04 | 8.90 | 8.13 | 31.85 | 29.89 | 2.88 | 2.50 |
| CF | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 18:04 | 8.66 | 8.19 | 31.31 | 29.84 | 2.44 | 2.50 |
| CF | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 10.55 | 18:03 | 7.73 | 8.21 | 31.19 | 29.77 | 2.29 | 2.60 |
| CF | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 10.55 | 18:03 | 8.55 | 8.19 | 30.86 | 29.95 | 2.50 | 2.50 |
| CF | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 20.10 | 18:02 | 8.35 | 8.10 | 31.11 | 29.93 | 1.60 | 2.50 |
| CF | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 20.10 | 18:02 | 7.85 | 8.13 | 31.89 | 29.95 | 1.76 | 2.50 |
| CF | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 18:15 | 8.87 | 8.35 | 30.98 | 29.89 | 3.04 | 2.50 |
| CF | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 18:15 | 9.02 | 8.24 | 30.71 | 29.90 | 2.90 | 2.60 |
| CF | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 10.65 | 18:14 | 8.93 | 8.30 | 30.27 | 29.92 | 2.79 | 2.50 |
| CF | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 10.65 | 18:14 | 9.20 | 8.29 | 30.86 | 30.07 | 2.87 | 2.50 |
| CF | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 20.30 | 18:13 | 8.81 | 8.43 | 30.70 | 30.06 | 2.79 | 2.70 |
| CF | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 20.30 | 18:13 | 8.99 | 8.25 | 30.82 | 29.99 | 2.70 | 2.50 |
| CF | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:05 | 9.13 | 8.42 | 31.57 | 27.84 | 3.43 | 2.50 |
| CF | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:05 | 8.74 | 8.45 | 31.37 | 27.74 | 3.48 | 2.60 |
| CF | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 10.60 | 11:04 | 9.45 | 8.38 | 31.44 | 27.78 | 2.84 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 10.60 | 11:04 | 8.74 | 8.51 | 31.80 | 27.65 | 2.52 | 3.30 |
| CF | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 20.20 | 11:03 | 8.98 | 8.29 | 31.52 | 27.69 | 2.76 | 9.70 |
| CF | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 20.20 | 11:03 | 9.96 | 8.49 | 31.68 | 27.83 | 2.54 | 8.80 |
| CF | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:44 | 9.43 | 8.22 | 31.39 | 26.93 | 3.95 | 2.50 |
| CF | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:44 | 9.05 | 8.44 | 31.34 | 26.91 | 3.35 | 2.50 |
| CF | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 10.65 | 12:43 | 8.99 | 8.34 | 31.09 | 26.86 | 3.07 | 2.50 |
| CF | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 10.65 | 12:43 | 9.12 | 8.22 | 31.62 | 27.10 | 3.43 | 3.00 |
| CF | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 20.30 | 12:42 | 9.20 | 8.30 | 31.07 | 26.92 | 3.24 | 4.70 |
| CF | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 20.30 | 12:42 | 9.39 | 8.45 | 30.93 | 26.97 | 2.88 | 5.80 |
| CF | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:02 | 9.84 | 8.60 | 31.21 | 28.58 | 3.21 | 3.90 |
| CF | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:02 | 9.10 | 8.30 | 31.21 | 28.49 | 3.79 | 3.90 |
| CF | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 10.00 | 14:01 | 9.85 | 8.60 | 31.12 | 28.58 | 3.07 | 2.50 |
| CF | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 10.00 | 14:01 | 8.42 | 8.50 | 31.22 | 28.56 | 3.62 | 4.40 |
| CF | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.90 | 14:00 | 9.62 | 8.50 | 31.21 | 28.71 | 3.21 | 3.60 |
| CF | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.90 | 14:00 | 9.58 | 8.40 | 30.97 | 28.76 | 2.86 | 2.50 |
| CF | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:47 | 8.70 | 8.45 | 30.78 | 29.93 | 3.48 | 5.10 |
| CF | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:47 | 8.80 | 8.28 | 30.73 | 29.90 | 2.99 | 5.10 |
| CF | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 9.85 | 16:46 | 9.53 | 8.40 | 30.68 | 29.79 | 3.34 | 2.50 |
| CF | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 9.85 | 16:46 | 8.61 | 8.32 | 31.23 | 29.90 | 2.90 | 3.20 |
| CF | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.70 | 16:45 | 8.70 | 8.45 | 31.09 | 29.82 | 2.66 | 3.40 |
| CF | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.70 | 16:45 | 8.60 | 8.36 | 30.91 | 29.72 | 2.79 | 2.50 |
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 17:55 | 10.33 | 8.41 | 29.20 | 27.91 | 2.23 | 3.30 |
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 17:55 | 10.27 | 8.48 | 28.72 | 27.80 | 2.43 | 2.90 |
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 4.65 | 17:54 | 9.71 | 8.61 | 28.88 | 27.78 | 2.43 | 6.10 |
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 4.65 | 17:54 | 10.23 | 8.62 | 28.89 | 27.76 | 2.18 | 3.00 |
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.30 | 17:53 | 10.39 | 8.59 | 29.18 | 27.90 | 2.48 | 4.10 |
| WSR01 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.30 | 17:53 | 10.12 | 8.56 | 28.79 | 27.93 | 2.38 | 2.90 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:55 | 9.32 | 8.52 | 29.61 | 29.08 | 2.51 | 3.60 |
| WSR01 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:55 | 9.73 | 8.47 | 30.38 | 29.10 | 2.76 | 3.50 |
| WSR01 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 4.25 | 17:54 | 9.97 | 8.61 | 29.48 | 29.00 | 2.43 | 6.60 |
| WSR01 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 4.25 | 17:54 | 9.85 | 8.45 | 29.90 | 29.16 | 2.10 | 5.10 |
| WSR01 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 7.50 | 17:53 | 9.82 | 8.44 | 29.24 | 29.00 | 1.82 | 4.40 |
| WSR01 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 7.50 | 17:53 | 9.49 | 8.66 | 30.18 | 28.93 | 1.77 | 2.50 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:27 | 9.40 | 8.50 | 31.00 | 27.70 | 2.40 | 4.20 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:27 | 10.30 | 8.40 | 31.60 | 27.60 | 2.10 | 4.70 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 4.30 | 10:26 | 9.60 | 8.50 | 31.90 | 27.80 | 2.40 | 2.80 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 4.30 | 10:26 | 9.20 | 8.50 | 31.80 | 27.80 | 2.30 | 3.20 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.50 | 10:25 | 10.10 | 8.50 | 31.50 | 27.80 | 2.00 | 2.50 |
| WSR01 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.50 | 10:25 | 10.00 | 8.60 | 31.60 | 27.60 | 2.00 | 4.10 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:23 | 10.80 | 8.37 | 32.38 | 29.17 | 2.71 | 3.80 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:23 | 9.59 | 8.45 | 32.57 | 29.26 | 3.06 | 6.20 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 4.60 | 11:22 | 10.77 | 8.49 | 31.73 | 29.11 | 2.79 | 2.50 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 4.60 | 11:22 | 10.77 | 8.49 | 32.46 | 29.10 | 2.80 | 5.40 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 8.20 | 11:21 | 9.75 | 8.34 | 31.51 | 29.25 | 1.93 | 14.30 |
| WSR01 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 8.20 | 11:21 | 9.32 | 8.23 | 31.56 | 29.26 | 2.05 | 5.40 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:10 | 9.42 | 8.36 | 31.34 | 28.93 | 3.22 | 3.40 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:10 | 10.11 | 8.29 | 32.21 | 28.95 | 3.19 | 2.50 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 4.15 | 13:09 | 9.65 | 8.29 | 32.30 | 29.04 | 3.04 | 2.50 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 4.15 | 13:09 | 9.89 | 8.42 | 31.91 | 28.85 | 3.01 | 2.50 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.30 | 13:08 | 9.85 | 8.39 | 31.42 | 28.86 | 2.25 | 3.00 |
| WSR01 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.30 | 13:08 | 9.49 | 8.45 | 32.31 | 28.97 | 2.58 | 2.50 |
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:03 | 8.88 | 8.36 | 30.16 | 28.56 | 2.56 | 2.50 |
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:03 | 9.28 | 8.45 | 31.05 | 28.36 | 2.84 | 2.50 |
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 4.45 | 14:02 | 9.62 | 8.37 | 30.37 | 28.26 | 2.51 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 4.45 | 14:02 | 8.88 | 8.36 | 30.20 | 28.31 | 2.72 | 2.50 |
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.90 | 14:01 | 8.95 | 8.34 | 30.16 | 28.32 | 2.40 | 2.50 |
| WSR01 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.90 | 14:01 | 9.51 | 8.52 | 30.15 | 28.39 | 2.84 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:21 | 9.46 | 8.58 | 30.85 | 28.22 | 3.06 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:21 | 8.55 | 8.41 | 30.49 | 28.16 | 3.24 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 16:20 | 9.18 | 8.31 | 29.94 | 28.24 | 2.35 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 16:20 | 8.70 | 8.32 | 30.85 | 28.17 | 2.40 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 16:19 | 8.63 | 8.57 | 30.64 | 28.25 | 2.81 | 2.50 |
| WSR01 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 16:19 | 9.02 | 8.46 | 30.78 | 28.29 | 2.73 | 2.50 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:40 | 8.17 | 8.13 | 31.49 | 29.83 | 2.04 | 2.50 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:40 | 8.43 | 8.12 | 31.67 | 29.83 | 2.79 | 3.40 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 4.35 | 17:39 | 8.76 | 8.15 | 31.95 | 30.03 | 1.89 | 3.20 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 4.35 | 17:39 | 7.61 | 8.04 | 31.09 | 30.03 | 2.43 | 2.50 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 7.70 | 17:38 | 8.35 | 8.22 | 31.55 | 29.90 | 1.77 | 3.10 |
| WSR01 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 7.70 | 17:38 | 8.21 | 8.13 | 31.66 | 29.99 | 2.12 | 2.50 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:54 | 8.83 | 8.34 | 30.91 | 29.92 | 2.60 | 2.70 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:54 | 9.25 | 8.23 | 30.45 | 29.87 | 2.37 | 2.50 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 4.20 | 17:53 | 8.99 | 8.25 | 30.24 | 29.92 | 1.80 | 2.50 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 4.20 | 17:53 | 8.38 | 8.40 | 30.57 | 29.89 | 2.15 | 2.50 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 7.40 | 17:52 | 9.37 | 8.39 | 30.58 | 29.93 | 1.86 | 3.20 |
| WSR01 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 7.40 | 17:52 | 9.46 | 8.45 | 30.98 | 30.09 | 2.02 | 2.50 |
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:42 | 9.80 | 8.38 | 31.40 | 27.78 | 2.71 | 9.50 |
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:42 | 8.92 | 8.44 | 31.47 | 27.71 | 2.90 | 9.90 |
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 4.40 | 10:41 | 9.34 | 8.34 | 31.35 | 27.67 | 2.80 | 2.80 |
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 4.40 | 10:41 | 8.77 | 8.49 | 31.60 | 27.67 | 2.53 | 2.80 |
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.80 | 10:40 | 9.47 | 8.25 | 31.84 | 27.80 | 1.85 | 8.40 |
| WSR01 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.80 | 10:40 | 9.74 | 8.49 | 31.64 | 27.89 | 2.03 | 8.00 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:20 | 8.67 | 8.44 | 31.18 | 26.88 | 3.38 | 6.10 |
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:20 | 9.11 | 8.23 | 31.41 | 26.92 | 3.67 | 5.70 |
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 4.55 | 12:19 | 9.18 | 8.23 | 31.70 | 27.00 | 3.05 | 2.50 |
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 4.55 | 12:19 | 8.98 | 8.40 | 31.64 | 27.02 | 3.02 | 2.80 |
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.10 | 12:18 | 9.34 | 8.32 | 31.26 | 26.87 | 2.78 | 3.80 |
| WSR01 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.10 | 12:18 | 9.13 | 8.21 | 31.43 | 26.82 | 2.43 | 4.00 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:41 | 9.80 | 8.50 | 31.50 | 28.82 | 2.83 | 3.70 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:41 | 9.13 | 8.40 | 31.36 | 28.73 | 3.28 | 2.90 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 4.40 | 13:40 | 9.85 | 8.50 | 31.33 | 28.88 | 2.53 | 2.50 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 4.40 | 13:40 | 9.05 | 8.40 | 31.12 | 28.84 | 2.50 | 3.10 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.70 | 13:39 | 9.73 | 8.40 | 31.10 | 28.66 | 2.41 | 3.70 |
| WSR01 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.70 | 13:39 | 8.63 | 8.40 | 31.47 | 28.59 | 2.65 | 4.30 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:24 | 9.53 | 8.26 | 30.82 | 29.87 | 2.77 | 5.40 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:24 | 8.85 | 8.42 | 31.13 | 29.91 | 2.84 | 5.40 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 4.35 | 16:23 | 9.01 | 8.50 | 30.71 | 29.98 | 2.66 | 2.50 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 4.35 | 16:23 | 8.80 | 8.28 | 30.93 | 29.87 | 3.03 | 2.50 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.70 | 16:22 | 8.71 | 8.30 | 30.82 | 29.87 | 2.23 | 4.20 |
| WSR01 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.70 | 16:22 | 9.56 | 8.48 | 31.05 | 29.94 | 2.57 | 3.70 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 17:36 | 10.46 | 8.53 | 28.17 | 27.97 | 2.32 | 3.40 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 17:36 | 10.28 | 8.63 | 28.34 | 27.75 | 2.72 | 3.70 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 4.50 | 17:35 | 9.90 | 8.61 | 28.77 | 27.92 | 2.27 | 2.50 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 4.50 | 17:35 | 9.79 | 8.62 | 28.21 | 27.77 | 2.53 | 4.40 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.00 | 17:34 | 9.74 | 8.51 | 29.32 | 27.95 | 2.40 | 2.90 |
| WSR02 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.00 | 17:34 | 10.10 | 8.56 | 28.78 | 27.79 | 2.40 | 2.50 |
| WSR02 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:36 | 9.45 | 8.59 | 30.09 | 29.06 | 2.94 | 2.70 |
| WSR02 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:36 | 9.67 | 8.53 | 30.15 | 29.15 | 2.91 | 3.20 |
| WSR02 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 4.85 | 17:35 | 9.84 | 8.63 | 29.54 | 29.06 | 2.05 | 4.00 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 4.85 | 17:35 | 9.24 | 8.58 | 29.79 | 29.01 | 2.32 | 3.90 |
| WSR02 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 8.70 | 17:34 | 9.78 | 8.45 | 30.02 | 29.06 | 2.60 | 2.50 |
| WSR02 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 8.70 | 17:34 | 9.54 | 8.60 | 29.95 | 29.20 | 2.57 | 4.20 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:07 | 9.90 | 8.40 | 31.50 | 27.60 | 2.60 | 2.80 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:07 | 9.30 | 8.60 | 31.30 | 27.70 | 2.60 | 4.70 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 4.70 | 10:06 | 9.40 | 8.60 | 31.00 | 27.80 | 2.20 | 4.10 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 4.70 | 10:06 | 9.10 | 8.50 | 31.30 | 27.90 | 2.50 | 3.50 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.40 | 10:05 | 9.60 | 8.60 | 31.70 | 27.60 | 2.40 | 2.80 |
| WSR02 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.40 | 10:05 | 10.10 | 8.40 | 30.80 | 27.80 | 2.50 | 2.70 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:04 | 9.27 | 8.42 | 31.49 | 29.20 | 2.54 | 3.30 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:04 | 10.15 | 8.40 | 31.77 | 29.19 | 2.57 | 23.00 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 4.55 | 11:03 | 9.71 | 8.44 | 32.00 | 29.12 | 2.65 | 6.30 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 4.55 | 11:03 | 9.48 | 8.48 | 32.09 | 28.98 | 2.25 | 14.90 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 8.10 | 11:02 | 10.55 | 8.35 | 32.21 | 29.13 | 2.20 | 8.80 |
| WSR02 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 8.10 | 11:02 | 10.71 | 8.35 | 32.08 | 29.09 | 2.14 | 7.20 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:50 | 10.01 | 8.42 | 32.01 | 29.06 | 2.86 | 3.30 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:50 | 9.91 | 8.52 | 32.11 | 29.14 | 2.73 | 2.80 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 4.90 | 12:49 | 9.84 | 8.47 | 31.36 | 28.97 | 2.66 | 2.50 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 4.90 | 12:49 | 9.69 | 8.49 | 31.60 | 29.12 | 2.70 | 2.50 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.80 | 12:48 | 9.49 | 8.48 | 31.76 | 29.12 | 2.87 | 2.50 |
| WSR02 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.80 | 12:48 | 10.10 | 8.37 | 32.23 | 28.84 | 2.66 | 4.40 |
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:42 | 9.02 | 8.34 | 30.08 | 28.38 | 2.45 | 2.50 |
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:42 | 9.20 | 8.40 | 30.86 | 28.23 | 2.55 | 2.70 |
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 4.60 | 13:41 | 9.73 | 8.44 | 30.31 | 28.21 | 2.55 | 2.50 |
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 4.60 | 13:41 | 9.41 | 8.50 | 30.86 | 28.24 | 2.28 | 2.50 |
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.20 | 13:40 | 9.08 | 8.44 | 30.35 | 28.27 | 2.35 | 2.50 |
| WSR02 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.20 | 13:40 | 9.49 | 8.52 | 31.07 | 28.29 | 2.45 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:02 | 9.22 | 8.49 | 30.68 | 28.12 | 2.97 | 2.50 |
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:02 | 9.06 | 8.51 | 30.69 | 28.06 | 2.84 | 2.50 |
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 4.65 | 16:01 | 9.62 | 8.31 | 30.31 | 28.06 | 2.91 | 2.60 |
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 4.65 | 16:01 | 8.96 | 8.43 | 30.77 | 28.17 | 2.85 | 2.50 |
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.30 | 16:00 | 8.61 | 8.35 | 29.91 | 28.29 | 2.22 | 2.50 |
| WSR02 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.30 | 16:00 | 9.59 | 8.47 | 30.55 | 28.17 | 2.11 | 2.90 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:21 | 7.80 | 8.27 | 31.64 | 30.02 | 2.82 | 2.50 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:21 | 7.79 | 8.14 | 31.86 | 29.99 | 2.19 | 2.50 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 4.50 | 17:20 | 8.26 | 8.01 | 31.10 | 30.01 | 2.60 | 2.50 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 4.50 | 17:20 | 8.18 | 8.21 | 31.05 | 29.86 | 2.31 | 2.50 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 8.00 | 17:19 | 8.88 | 8.09 | 30.78 | 30.00 | 1.94 | 2.50 |
| WSR02 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 8.00 | 17:19 | 8.42 | 8.21 | 31.69 | 29.98 | 1.61 | 4.00 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:44 | 9.24 | 8.26 | 30.38 | 30.02 | 2.03 | 2.50 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:44 | 8.67 | 8.41 | 30.99 | 29.94 | 2.26 | 2.50 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 4.55 | 17:43 | 8.81 | 8.24 | 30.55 | 30.01 | 1.76 | 3.80 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 4.55 | 17:43 | 9.34 | 8.33 | 30.46 | 29.91 | 1.71 | 2.50 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 8.10 | 17:42 | 9.14 | 8.20 | 30.85 | 30.10 | 2.25 | 2.50 |
| WSR02 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 8.10 | 17:42 | 8.99 | 8.26 | 30.61 | 30.12 | 2.06 | 3.00 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:23 | 9.13 | 8.36 | 31.17 | 27.55 | 2.27 | 7.80 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:23 | 9.25 | 8.46 | 31.45 | 27.65 | 2.25 | 7.90 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 4.75 | 10:22 | 9.57 | 8.32 | 31.56 | 27.60 | 2.12 | 3.40 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 4.75 | 10:22 | 9.68 | 8.54 | 31.55 | 27.60 | 2.41 | 2.50 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.50 | 10:21 | 9.62 | 8.32 | 30.98 | 27.58 | 1.88 | 2.90 |
| WSR02 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.50 | 10:21 | 9.25 | 8.40 | 31.02 | 27.61 | 1.86 | 2.50 |
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:01 | 9.40 | 8.41 | 30.99 | 26.85 | 3.53 | 6.40 |
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:01 | 8.59 | 8.24 | 31.44 | 27.00 | 3.63 | 5.80 |
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 4.50 | 12:00 | 9.17 | 8.23 | 31.83 | 27.01 | 2.86 | 2.70 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 4.50 | 12:00 | 8.63 | 8.38 | 31.60 | 26.82 | 3.25 | 2.50 |
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.00 | 11:59 | 9.49 | 8.28 | 31.70 | 26.99 | 2.90 | 2.80 |
| WSR02 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.00 | 11:59 | 8.94 | 8.26 | 31.30 | 26.79 | 2.65 | 2.50 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:24 | 9.74 | 8.30 | 31.36 | 28.87 | 2.81 | 2.90 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:24 | 9.50 | 8.40 | 31.26 | 28.92 | 3.12 | 4.00 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 4.80 | 13:23 | 9.36 | 8.50 | 30.96 | 28.90 | 2.80 | 4.20 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 4.80 | 13:23 | 8.98 | 8.30 | 31.26 | 28.74 | 2.87 | 4.50 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.50 | 13:22 | 9.03 | 8.40 | 31.51 | 28.92 | 2.61 | 4.40 |
| WSR02 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.50 | 13:22 | 8.96 | 8.40 | 31.22 | 28.94 | 2.46 | 3.10 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:06 | 9.37 | 8.43 | 31.24 | 30.00 | 2.92 | 3.80 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:06 | 9.29 | 8.26 | 31.11 | 29.95 | 2.73 | 3.20 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 4.80 | 16:05 | 9.47 | 8.33 | 30.66 | 29.93 | 2.57 | 2.50 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 4.80 | 16:05 | 9.32 | 8.31 | 30.95 | 29.89 | 2.87 | 2.50 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.60 | 16:04 | 9.47 | 8.49 | 30.81 | 29.86 | 2.50 | 3.20 |
| WSR02 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.60 | 16:04 | 8.69 | 8.26 | 30.63 | 29.94 | 2.76 | 2.50 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 17:20 | 10.37 | 8.64 | 28.92 | 27.84 | 2.28 | 2.50 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 17:20 | 10.09 | 8.55 | 29.08 | 27.96 | 2.72 | 3.50 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 4.00 | 17:19 | 9.77 | 8.46 | 28.65 | 28.05 | 2.38 | 11.70 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 4.00 | 17:19 | 10.41 | 8.53 | 28.24 | 27.90 | 2.61 | 2.70 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.00 | 17:18 | 9.92 | 8.49 | 28.89 | 27.85 | 1.88 | 4.70 |
| WSR03 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.00 | 17:18 | 9.59 | 8.51 | 28.30 | 28.03 | 2.15 | 2.50 |
| WSR03 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:18 | 9.81 | 8.60 | 29.31 | 29.06 | 2.58 | 3.50 |
| WSR03 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:18 | 9.11 | 8.65 | 29.41 | 29.05 | 2.32 | 3.30 |
| WSR03 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 4.00 | 17:17 | 9.29 | 8.61 | 29.49 | 29.29 | 2.03 | 2.50 |
| WSR03 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 4.00 | 17:17 | 9.17 | 8.70 | 29.72 | 29.16 | 2.14 | 4.00 |
| WSR03 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 7.00 | 17:16 | 9.31 | 8.47 | 29.78 | 29.18 | 2.39 | 2.50 |
| WSR03 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 7.00 | 17:16 | 9.54 | 8.56 | 29.77 | 29.15 | 2.16 | 3.80 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:49 | 9.80 | 8.60 | 31.30 | 27.50 | 2.30 | 10.40 |
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:49 | 9.50 | 8.30 | 31.90 | 27.50 | 2.70 | 4.20 |
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 9:48 | 10.10 | 8.40 | 31.50 | 27.50 | 2.00 | 3.30 |
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 9:48 | 9.10 | 8.40 | 31.50 | 27.70 | 2.40 | 4.00 |
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.50 | 9:47 | 10.30 | 8.50 | 30.90 | 27.70 | 1.80 | 3.60 |
| WSR03 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.50 | 9:47 | 9.20 | 8.50 | 31.20 | 27.50 | 1.60 | 3.10 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:48 | 9.36 | 8.29 | 32.11 | 29.04 | 2.41 | 17.10 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:48 | 11.04 | 8.28 | 32.59 | 29.16 | 2.84 | 2.50 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 4.25 | 10:47 | 10.55 | 8.26 | 32.60 | 29.05 | 2.77 | 6.10 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 4.25 | 10:47 | 10.62 | 8.44 | 31.37 | 28.99 | 2.49 | 3.80 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 7.50 | 10:46 | 10.63 | 8.23 | 32.15 | 29.02 | 2.48 | 2.80 |
| WSR03 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 7.50 | 10:46 | 10.81 | 8.46 | 31.75 | 29.17 | 2.89 | 2.90 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:32 | 9.46 | 8.42 | 31.77 | 29.03 | 2.87 | 4.2 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:32 | 9.38 | 8.39 | 31.32 | 29.03 | 3.21 | 4.9 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 3.95 | 12:31 | 9.81 | 8.40 | 31.27 | 28.80 | 2.33 | 6 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 3.95 | 12:31 | 10.25 | 8.25 | 31.23 | 28.84 | 2.74 | 5 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.90 | 12:30 | 9.99 | 8.55 | 31.41 | 28.90 | 2.24 | 3.9 |
| WSR03 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.90 | 12:30 | 10.01 | 8.42 | 31.86 | 29.02 | 2.62 | 4.3 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:25 | 8.97 | 8.37 | 30.57 | 28.44 | 3.15 | 2.50 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:25 | 9.51 | 8.51 | 30.10 | 28.16 | 2.63 | 2.70 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 13:24 | 9.61 | 8.53 | 29.99 | 28.30 | 2.81 | 2.50 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 13:24 | 8.85 | 8.50 | 30.79 | 28.14 | 2.43 | 2.50 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 13:23 | 9.52 | 8.51 | 30.44 | 28.28 | 2.02 | 2.50 |
| WSR03 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 13:23 | 8.93 | 8.43 | 30.67 | 28.24 | 2.01 | 2.50 |
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:44 | 8.76 | 8.57 | 30.99 | 28.07 | 2.46 | 3.30 |
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:44 | 9.47 | 8.42 | 31.08 | 28.17 | 2.89 | 2.50 |
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 3.95 | 15:43 | 9.60 | 8.45 | 30.56 | 28.06 | 2.89 | 3.70 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 3.95 | 15:43 | 9.43 | 8.55 | 30.83 | 28.09 | 2.93 | 2.60 |
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.90 | 15:42 | 8.86 | 8.38 | 31.01 | 28.18 | 2.35 | 3.30 |
| WSR03 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.90 | 15:42 | 9.51 | 8.37 | 30.89 | 28.39 | 2.57 | 2.50 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:03 | 8.72 | 8.06 | 31.64 | 29.89 | 2.38 | 2.60 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:03 | 8.68 | 8.31 | 31.12 | 30.03 | 2.14 | 2.80 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 3.90 | 17:02 | 8.53 | 8.17 | 31.10 | 30.03 | 1.78 | 4.40 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 3.90 | 17:02 | 7.75 | 8.10 | 30.96 | 29.97 | 2.25 | 5.00 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 6.80 | 17:01 | 7.80 | 8.30 | 31.81 | 29.89 | 2.16 | 2.50 |
| WSR03 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 6.80 | 17:01 | 8.53 | 8.13 | 30.76 | 29.93 | 1.77 | 3.20 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:33 | 8.39 | 8.37 | 30.26 | 30.12 | 2.10 | 2.50 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:33 | 9.10 | 8.34 | 30.75 | 30.00 | 2.38 | 3.10 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 3.90 | 17:32 | 8.59 | 8.29 | 30.28 | 29.93 | 1.79 | 2.50 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 3.90 | 17:32 | 9.29 | 8.46 | 30.63 | 30.01 | 1.89 | 2.60 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 6.80 | 17:31 | 8.42 | 8.26 | 30.83 | 30.03 | 1.48 | 2.60 |
| WSR03 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 6.80 | 17:31 | 9.11 | 8.23 | 30.47 | 30.10 | 1.62 | 2.50 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:05 | 9.36 | 8.49 | 31.18 | 27.68 | 2.32 | 3.30 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:05 | 9.96 | 8.42 | 31.60 | 27.58 | 2.37 | 2.50 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 3.95 | 10:04 | 9.54 | 8.42 | 31.42 | 27.61 | 2.37 | 2.50 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 3.95 | 10:04 | 9.38 | 8.52 | 31.18 | 27.78 | 2.19 | 2.50 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.90 | 10:03 | 9.78 | 8.41 | 31.91 | 27.57 | 2.11 | 3.00 |
| WSR03 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.90 | 10:03 | 9.11 | 8.28 | 31.67 | 27.66 | 2.43 | 2.60 |
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:45 | 9.08 | 8.26 | 31.73 | 27.11 | 3.14 | 3.60 |
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:45 | 9.44 | 8.35 | 31.00 | 26.88 | 3.17 | 3.70 |
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 3.95 | 11:44 | 8.95 | 8.29 | 31.78 | 27.01 | 3.26 | 2.50 |
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 3.95 | 11:44 | 8.62 | 8.23 | 31.65 | 27.10 | 3.35 | 2.50 |
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.90 | 11:43 | 9.01 | 8.30 | 31.26 | 27.01 | 3.07 | 4.50 |
| WSR03 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.90 | 11:43 | 9.23 | 8.30 | 31.08 | 26.97 | 3.26 | 2.90 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:10 | 9.79 | 8.50 | 31.00 | 28.66 | 3.25 | 2.50 |
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:10 | 8.72 | 8.60 | 31.33 | 28.89 | 2.86 | 3.20 |
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 13:09 | 8.88 | 8.40 | 31.44 | 28.79 | 2.63 | 4.00 |
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 13:09 | 8.58 | 8.60 | 31.10 | 28.93 | 2.53 | 4.40 |
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 13:08 | 9.49 | 8.60 | 31.02 | 28.70 | 2.25 | 3.90 |
| WSR03 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 13:08 | 8.97 | 8.50 | 31.38 | 28.86 | 2.13 | 3.20 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:51 | 8.84 | 8.45 | 31.21 | 30.07 | 2.97 | 6.90 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:51 | 8.70 | 8.45 | 30.71 | 30.08 | 2.64 | 7.80 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 15:50 | 9.45 | 8.38 | 31.15 | 30.04 | 2.62 | 4.70 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 15:50 | 8.73 | 8.26 | 31.24 | 29.98 | 2.85 | 4.70 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 15:49 | 9.37 | 8.49 | 30.94 | 29.92 | 2.03 | 7.60 |
| WSR03 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 15:49 | 8.80 | 8.30 | 30.87 | 30.11 | 1.97 | 7.60 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 17:05 | 9.71 | 8.60 | 28.60 | 27.88 | 2.32 | 2.50 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 17:05 | 10.03 | 8.42 | 29.25 | 28.06 | 2.69 | 3.10 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 17:04 | 10.23 | 8.35 | 29.13 | 28.01 | 2.73 | 3.20 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 17:04 | 10.05 | 8.58 | 28.39 | 27.94 | 2.49 | 2.70 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 17:03 | 10.00 | 8.56 | 28.97 | 28.07 | 2.37 | 3.80 |
| WSR04 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 17:03 | 10.48 | 8.39 | 28.79 | 28.03 | 2.43 | 2.80 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:05 | 9.97 | 8.72 | 29.70 | 29.20 | 2.24 | 3.30 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:05 | 9.47 | 8.61 | 30.12 | 29.21 | 2.27 | 2.70 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 3.80 | 17:04 | 9.68 | 8.53 | 30.18 | 29.18 | 2.35 | 2.60 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 3.80 | 17:04 | 9.22 | 8.53 | 30.46 | 29.24 | 2.71 | 3.10 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 6.60 | 17:03 | 9.26 | 8.67 | 29.87 | 29.11 | 2.51 | 3.60 |
| WSR04 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 6.60 | 17:03 | 9.42 | 8.58 | 29.50 | 29.20 | 2.12 | 2.70 |
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:37 | 9.00 | 8.50 | 31.80 | 27.60 | 2.70 | 4.70 |
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:37 | 9.00 | 8.40 | 31.90 | 27.50 | 2.30 | 4.00 |
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 3.90 | 9:36 | 8.90 | 8.50 | 31.70 | 27.60 | 2.20 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 3.90 | 9:36 | 8.90 | 8.30 | 31.80 | 27.40 | 2.20 | 3.10 |
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.80 | 9:35 | 9.40 | 8.50 | 31.70 | 27.60 | 1.70 | 2.90 |
| WSR04 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.80 | 9:35 | 9.00 | 8.40 | 31.10 | 27.50 | 2.00 | 3.60 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:33 | 9.95 | 8.48 | 32.04 | 28.96 | 2.68 | 9.50 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:33 | 11.13 | 8.42 | 32.18 | 29.14 | 2.56 | 2.50 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 3.40 | 10:32 | 10.75 | 8.48 | 31.88 | 28.99 | 2.36 | 2.70 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 3.40 | 10:32 | 10.03 | 8.31 | 32.04 | 29.14 | 2.70 | 2.50 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 5.80 | 10:31 | 10.52 | 8.46 | 31.53 | 28.95 | 2.42 | 2.50 |
| WSR04 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 5.80 | 10:31 | 9.48 | 8.27 | 32.08 | 28.97 | 2.02 | 2.50 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:19 | 9.90 | 8.40 | 31.11 | 28.84 | 3.15 | 3.50 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:19 | 10.29 | 8.52 | 31.69 | 28.90 | 2.85 | 3.90 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 3.45 | 12:18 | 10.08 | 8.44 | 32.24 | 28.85 | 2.87 | 3.80 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 3.45 | 12:18 | 10.04 | 8.33 | 31.62 | 28.86 | 2.94 | 3.50 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.90 | 12:17 | 10.18 | 8.32 | 31.96 | 29.04 | 2.31 | 4.40 |
| WSR04 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.90 | 12:17 | 9.43 | 8.44 | 31.65 | 29.04 | 2.09 | 3.90 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:10 | 9.73 | 8.52 | 30.68 | 28.21 | 2.47 | 2.50 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 13:10 | 9.41 | 8.46 | 30.88 | 28.31 | 2.17 | 2.50 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 13:09 | 9.68 | 8.33 | 30.02 | 28.24 | 2.45 | 2.50 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 13:09 | 9.12 | 8.35 | 30.76 | 28.16 | 2.90 | 2.50 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 13:08 | 9.62 | 8.43 | 30.77 | 28.31 | 2.06 | 2.50 |
| WSR04 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 13:08 | 9.46 | 8.49 | 30.99 | 27.98 | 2.11 | 2.90 |
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:31 | 9.11 | 8.56 | 30.29 | 28.25 | 3.03 | 2.50 |
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:31 | 9.30 | 8.40 | 30.03 | 28.31 | 2.81 | 2.50 |
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 3.55 | 15:30 | 9.32 | 8.38 | 30.98 | 28.40 | 2.31 | 2.50 |
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 3.55 | 15:30 | 8.88 | 8.51 | 30.28 | 28.31 | 2.57 | 2.50 |
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.10 | 15:29 | 8.83 | 8.47 | 30.72 | 28.11 | 2.09 | 3.10 |
| WSR04 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.10 | 15:29 | 9.14 | 8.57 | 30.21 | 28.34 | 2.02 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:50 | 7.65 | 8.09 | 30.95 | 29.98 | 2.29 | 5.40 |
| WSR04 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:50 | 9.00 | 8.25 | 31.06 | 30.11 | 2.49 | 5.30 |
| WSR04 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 3.60 | 16:49 | 8.37 | 8.12 | 31.30 | 30.16 | 2.36 | 3.00 |
| WSR04 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 3.60 | 16:49 | 8.70 | 8.13 | 31.28 | 30.07 | 2.63 | 3.30 |
| WSR04 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 6.20 | 16:48 | 8.64 | 8.16 | 31.56 | 29.95 | 2.21 | 4.70 |
| WSR04 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 6.20 | 16:48 | 8.30 | 8.16 | 31.70 | 30.09 | 1.70 | 4.20 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:24 | 9.27 | 8.22 | 30.61 | 30.12 | 2.24 | 3.80 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:24 | 9.46 | 8.40 | 30.30 | 30.00 | 2.10 | 2.50 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 3.85 | 17:23 | 8.42 | 8.32 | 30.23 | 30.07 | 2.06 | 2.60 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 3.85 | 17:23 | 9.04 | 8.34 | 30.66 | 30.04 | 1.85 | 2.50 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 6.70 | 17:22 | 8.71 | 8.33 | 30.66 | 30.16 | 2.23 | 3.70 |
| WSR04 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 6.70 | 17:22 | 9.02 | 8.33 | 30.59 | 30.05 | 1.97 | 2.50 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:52 | 9.53 | 8.31 | 31.63 | 27.67 | 2.45 | 2.80 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:52 | 9.71 | 8.28 | 31.51 | 27.49 | 2.93 | 2.50 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 9:51 | 9.20 | 8.31 | 31.37 | 27.54 | 2.65 | 4.50 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 9:51 | 9.36 | 8.54 | 31.80 | 27.51 | 2.79 | 3.40 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 9:50 | 9.19 | 8.37 | 31.85 | 27.60 | 2.03 | 6.90 |
| WSR04 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 9:50 | 8.84 | 8.21 | 30.93 | 27.47 | 1.87 | 7.40 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:33 | 8.76 | 8.36 | 31.25 | 26.94 | 3.39 | 3.60 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:33 | 8.84 | 8.32 | 31.50 | 26.90 | 3.51 | 3.90 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 3.55 | 11:32 | 9.07 | 8.31 | 31.78 | 26.98 | 2.66 | 2.50 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 3.55 | 11:32 | 9.21 | 8.23 | 31.59 | 26.87 | 2.85 | 2.50 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.10 | 11:31 | 9.37 | 8.25 | 31.80 | 27.04 | 3.09 | 2.50 |
| WSR04 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.10 | 11:31 | 8.64 | 8.35 | 31.68 | 26.88 | 2.82 | 2.50 |
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:59 | 9.23 | 8.40 | 31.45 | 28.73 | 3.18 | 2.50 |
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:59 | 8.47 | 8.60 | 31.42 | 28.74 | 3.19 | 2.80 |
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 3.50 | 12:58 | 9.15 | 8.60 | 31.00 | 28.77 | 2.50 | 3.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 3.50 | 12:58 | 8.46 | 8.30 | 31.13 | 28.83 | 2.89 | 2.50 |
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.90 | 12:57 | 9.35 | 8.40 | 31.44 | 28.74 | 2.20 | 3.30 |
| WSR04 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.90 | 12:57 | 8.52 | 8.40 | 31.49 | 28.64 | 2.44 | 2.50 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:36 | 9.01 | 8.36 | 30.71 | 30.12 | 2.62 | 9.50 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:36 | 8.75 | 8.21 | 31.21 | 30.13 | 2.49 | 9.50 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 15:35 | 9.09 | 8.49 | 30.76 | 30.03 | 2.33 | 3.90 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 15:35 | 9.30 | 8.22 | 31.12 | 29.94 | 2.63 | 4.60 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 15:34 | 9.01 | 8.31 | 30.67 | 30.07 | 2.38 | 3.70 |
| WSR04 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 15:34 | 8.91 | 8.24 | 30.76 | 30.07 | 2.07 | 2.70 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:55 | 9.89 | 8.48 | 28.79 | 28.17 | 2.84 | 3.10 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:55 | 10.17 | 8.62 | 28.22 | 28.23 | 2.98 | 3.30 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 8.00 | 15:54 | 9.60 | 8.64 | 28.86 | 28.18 | 2.16 | 3.40 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 8.00 | 15:54 | 10.26 | 8.44 | 28.41 | 28.14 | 1.92 | 7.80 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.00 | 15:53 | 9.68 | 8.61 | 29.17 | 28.00 | 2.15 | 4.30 |
| WSR16 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.00 | 15:53 | 10.32 | 8.37 | 29.25 | 28.21 | 2.03 | 3.10 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 15:55 | 9.17 | 8.57 | 30.11 | 29.25 | 3.08 | 2.80 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 15:55 | 9.35 | 8.61 | 29.35 | 29.35 | 2.92 | 7.90 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 8.10 | 15:54 | 9.75 | 8.56 | 30.38 | 29.45 | 2.26 | 2.50 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 8.10 | 15:54 | 9.89 | 8.69 | 30.01 | 29.27 | 2.45 | 7.50 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 15.20 | 15:53 | 9.93 | 8.55 | 30.17 | 29.22 | 2.23 | 2.50 |
| WSR16 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 15.20 | 15:53 | 9.79 | 8.50 | 29.30 | 29.31 | 2.04 | 2.50 |
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:25 | 10.20 | 8.40 | 31.90 | 27.50 | 2.20 | 4.20 |
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:25 | 9.80 | 8.50 | 31.10 | 27.30 | 2.60 | 3.30 |
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 8.40 | 8:24 | 10.30 | 8.40 | 32.10 | 27.40 | 2.00 | 3.40 |
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 8.40 | 8:24 | 10.20 | 8.30 | 31.60 | 27.40 | 2.40 | 2.70 |
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.80 | 8:23 | 10.00 | 8.60 | 31.60 | 27.30 | 2.40 | 2.50 |
| WSR16 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.80 | 8:23 | 9.00 | 8.50 | 31.90 | 27.30 | 2.30 | 2.80 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 9:22 | 9.55 | 8.37 | 31.85 | 28.81 | 2.74 | 4.80 |
| WSR16 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 9:22 | 9.99 | 8.35 | 31.93 | 28.84 | 2.78 | 2.50 |
| WSR16 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 7.90 | 9:21 | 10.61 | 8.37 | 32.07 | 28.79 | 2.26 | 6.20 |
| WSR16 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 7.90 | 9:21 | 10.34 | 8.48 | 32.26 | 28.71 | 2.12 | 2.60 |
| WSR16 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 14.80 | 9:20 | 9.26 | 8.48 | 32.06 | 28.78 | 1.89 | 5.90 |
| WSR16 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 14.80 | 9:20 | 9.43 | 8.27 | 32.34 | 28.74 | 1.79 | 10.90 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:06 | 9.57 | 8.45 | 31.96 | 28.87 | 3.09 | 5.00 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:06 | 9.79 | 8.25 | 31.94 | 28.90 | 3.16 | 5.90 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 7.95 | 11:05 | 9.85 | 8.48 | 31.11 | 28.78 | 2.80 | 3.70 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 7.95 | 11:05 | 9.71 | 8.49 | 32.05 | 28.83 | 3.01 | 3.90 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.90 | 11:04 | 9.92 | 8.52 | 31.14 | 28.81 | 2.36 | 5.00 |
| WSR16 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.90 | 11:04 | 10.29 | 8.30 | 32.11 | 28.80 | 2.63 | 5.90 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:00 | 9.55 | 8.47 | 30.75 | 27.87 | 3.19 | 2.50 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:00 | 9.75 | 8.41 | 30.00 | 27.85 | 2.80 | 2.50 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 8.35 | 11:59 | 9.40 | 8.49 | 30.70 | 27.97 | 2.58 | 2.50 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 8.35 | 11:59 | 8.96 | 8.49 | 29.91 | 28.03 | 2.21 | 2.50 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.70 | 11:58 | 8.98 | 8.51 | 30.29 | 27.95 | 2.31 | 2.60 |
| WSR16 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.70 | 11:58 | 8.88 | 8.47 | 30.90 | 27.72 | 2.12 | 2.50 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:21 | 9.34 | 8.33 | 31.15 | 28.39 | 2.69 | 2.70 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:21 | 9.01 | 8.53 | 30.86 | 28.52 | 2.95 | 2.50 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 8.45 | 14:20 | 8.97 | 8.50 | 30.18 | 28.45 | 2.25 | 5.40 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 8.45 | 14:20 | 9.26 | 8.50 | 30.06 | 28.39 | 2.53 | 6.20 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.90 | 14:19 | 9.03 | 8.43 | 31.16 | 28.50 | 2.34 | 2.90 |
| WSR16 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.90 | 14:19 | 9.09 | 8.43 | 30.06 | 28.44 | 2.61 | 2.50 |
| WSR16 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 15:40 | 8.31 | 8.25 | 31.10 | 30.36 | 2.66 | 2.50 |
| WSR16 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 15:40 | 8.74 | 8.16 | 31.10 | 30.38 | 2.34 | 2.50 |
| WSR16 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 7.70 | 15:39 | 8.62 | 8.29 | 31.48 | 30.20 | 2.54 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 7.70 | 15:39 | 8.39 | 8.29 | 31.35 | 30.38 | 2.42 | 2.50 |
| WSR16 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 14.40 | 15:38 | 8.87 | 8.31 | 31.10 | 30.36 | 2.10 | 2.50 |
| WSR16 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 14.40 | 15:38 | 7.70 | 8.01 | 31.69 | 30.34 | 1.80 | 2.50 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:38 | 8.48 | 8.44 | 30.57 | 30.22 | 1.99 | 2.90 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:38 | 8.72 | 8.44 | 31.01 | 30.15 | 2.23 | 2.60 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 8.45 | 16:37 | 8.82 | 8.40 | 30.49 | 30.17 | 2.31 | 2.50 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 8.45 | 16:37 | 9.47 | 8.31 | 30.55 | 30.14 | 2.09 | 2.50 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 15.90 | 16:36 | 8.79 | 8.21 | 31.04 | 30.15 | 2.22 | 2.80 |
| WSR16 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 15.90 | 16:36 | 8.50 | 8.21 | 30.62 | 29.93 | 2.33 | 2.50 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:48 | 9.88 | 8.36 | 31.17 | 27.48 | 3.07 | 5.50 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:48 | 9.59 | 8.49 | 31.36 | 27.49 | 2.83 | 4.80 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 8.20 | 8:47 | 8.93 | 8.32 | 31.98 | 27.50 | 2.38 | 2.50 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 8.20 | 8:47 | 9.57 | 8.36 | 31.00 | 27.42 | 2.06 | 2.50 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.40 | 8:46 | 8.81 | 8.37 | 31.32 | 27.37 | 2.15 | 2.50 |
| WSR16 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.40 | 8:46 | 9.10 | 8.38 | 31.22 | 27.57 | 2.54 | 4.20 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:24 | 8.51 | 8.43 | 31.81 | 26.74 | 3.72 | 3.80 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:24 | 9.24 | 8.40 | 31.08 | 26.68 | 3.45 | 4.00 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 8.10 | 10:23 | 9.13 | 8.23 | 30.96 | 26.76 | 3.03 | 2.50 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 8.10 | 10:23 | 9.31 | 8.30 | 30.95 | 26.85 | 2.99 | 2.50 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.20 | 10:22 | 8.99 | 8.35 | 31.10 | 26.80 | 3.15 | 2.50 |
| WSR16 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.20 | 10:22 | 9.19 | 8.29 | 31.61 | 26.76 | 2.75 | 2.50 |
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:59 | 9.04 | 8.60 | 30.97 | 28.56 | 2.84 | 4.10 |
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:59 | 9.02 | 8.60 | 31.11 | 28.53 | 2.81 | 5.00 |
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 7.90 | 11:58 | 9.69 | 8.40 | 31.06 | 28.66 | 2.99 | 3.10 |
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 7.90 | 11:58 | 8.41 | 8.50 | 30.96 | 28.55 | 3.04 | 2.90 |
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.80 | 11:57 | 8.97 | 8.50 | 31.00 | 28.50 | 2.90 | 2.50 |
| WSR16 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.80 | 11:57 | 8.76 | 8.40 | 31.42 | 28.47 | 2.84 | 3.10 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:30 | 8.69 | 8.32 | 30.72 | 30.12 | 3.10 | 3.70 |
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:30 | 9.11 | 8.27 | 30.68 | 30.01 | 2.65 | 3.60 |
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 7.75 | 14:29 | 8.81 | 8.30 | 30.67 | 29.92 | 2.69 | 3.60 |
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 7.75 | 14:29 | 9.49 | 8.49 | 30.78 | 30.00 | 3.02 | 3.10 |
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.50 | 14:28 | 9.26 | 8.28 | 30.93 | 30.08 | 2.12 | 4.10 |
| WSR16 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.50 | 14:28 | 9.34 | 8.49 | 30.63 | 30.01 | 2.45 | 5.10 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:50 | 9.87 | 8.52 | 29.32 | 28.03 | 2.33 | 4.70 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:50 | 10.29 | 8.39 | 29.34 | 27.95 | 2.12 | 3.80 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 16:49 | 10.09 | 8.62 | 29.13 | 28.05 | 2.32 | 5.10 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 16:49 | 10.37 | 8.45 | 28.89 | 27.95 | 1.98 | 4.00 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 16:48 | 9.73 | 8.47 | 29.00 | 28.14 | 2.30 | 3.30 |
| WSR33 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 16:48 | 9.81 | 8.64 | 28.68 | 27.95 | 2.44 | 4.20 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:48 | 9.07 | 8.71 | 29.85 | 29.27 | 2.94 | 2.50 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:48 | 9.30 | 8.48 | 29.88 | 29.33 | 3.01 | 2.50 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 3.50 | 16:47 | 9.73 | 8.55 | 29.33 | 29.13 | 2.02 | 2.50 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 3.50 | 16:47 | 9.68 | 8.62 | 29.95 | 29.31 | 2.07 | 5.10 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 6.00 | 16:46 | 9.66 | 8.71 | 30.47 | 29.23 | 2.48 | 2.80 |
| WSR33 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 6.00 | 16:46 | 9.78 | 8.63 | 29.86 | 29.13 | 2.07 | 2.70 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:20 | 9.00 | 8.30 | 31.60 | 27.60 | 2.60 | 3.10 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:20 | 9.00 | 8.50 | 31.00 | 27.60 | 2.30 | 2.50 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 9:19 | 9.90 | 8.50 | 31.60 | 27.50 | 2.50 | 3.00 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 9:19 | 9.80 | 8.50 | 31.00 | 27.40 | 2.60 | 3.70 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 9:18 | 10.10 | 8.40 | 31.70 | 27.60 | 1.70 | 3.40 |
| WSR33 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 9:18 | 9.30 | 8.30 | 31.10 | 27.60 | 1.60 | 4.60 |
| WSR33 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:18 | 9.95 | 8.30 | 32.18 | 29.03 | 2.56 | 5.80 |
| WSR33 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:18 | 10.45 | 8.24 | 31.87 | 29.07 | 2.97 | 4.20 |
| WSR33 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 3.60 | 10:17 | 10.29 | 8.48 | 32.26 | 28.92 | 2.32 | 3.10 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 3.60 | 10:17 | 9.84 | 8.42 | 31.44 | 29.04 | 2.52 | 6.40 |
| WSR33 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 6.20 | 10:16 | 10.67 | 8.42 | 32.05 | 28.90 | 2.56 | 5.50 |
| WSR33 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 6.20 | 10:16 | 10.28 | 8.39 | 31.81 | 28.91 | 2.34 | 3.80 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:02 | 9.94 | 8.33 | 32.04 | 28.73 | 3.05 | 4.40 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:02 | 9.87 | 8.25 | 32.08 | 28.97 | 2.70 | 4.60 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 12:01 | 9.85 | 8.27 | 32.23 | 28.96 | 2.72 | 4.10 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 12:01 | 10.08 | 8.51 | 31.36 | 28.78 | 2.67 | 4.40 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 12:00 | 10.29 | 8.39 | 31.50 | 28.86 | 2.21 | 4.20 |
| WSR33 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 12:00 | 9.64 | 8.25 | 31.64 | 28.95 | 2.40 | 4.00 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:55 | 9.09 | 8.44 | 30.18 | 28.35 | 3.31 | 2.50 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:55 | 9.67 | 8.38 | 30.13 | 28.01 | 3.32 | 2.50 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 12:54 | 9.37 | 8.36 | 30.47 | 28.02 | 2.72 | 2.50 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 12:54 | 9.82 | 8.38 | 30.04 | 28.37 | 2.73 | 2.50 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 12:53 | 9.54 | 8.50 | 30.41 | 28.20 | 2.44 | 2.50 |
| WSR33 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 12:53 | 9.37 | 8.48 | 30.84 | 28.13 | 2.10 | 2.70 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:14 | 8.95 | 8.54 | 30.62 | 28.33 | 2.53 | 3.70 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:14 | 9.70 | 8.58 | 30.94 | 28.12 | 2.29 | 4.40 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 15:13 | 9.64 | 8.52 | 30.48 | 28.40 | 2.33 | 5.30 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 15:13 | 9.21 | 8.54 | 30.55 | 28.22 | 2.44 | 4.00 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 15:12 | 9.58 | 8.48 | 30.59 | 28.29 | 2.76 | 2.50 |
| WSR33 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 15:12 | 9.49 | 8.58 | 30.03 | 28.19 | 2.60 | 4.30 |
| WSR33 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:33 | 8.44 | 8.29 | 30.81 | 29.94 | 2.53 | 3.50 |
| WSR33 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:33 | 8.97 | 8.10 | 31.35 | 30.16 | 2.21 | 3.50 |
| WSR33 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 3.50 | 16:32 | 8.29 | 8.02 | 31.16 | 29.94 | 2.19 | 2.50 |
| WSR33 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 3.50 | 16:32 | 8.73 | 8.28 | 31.70 | 30.14 | 2.56 | 3.90 |
| WSR33 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 6.00 | 16:31 | 8.68 | 8.18 | 31.55 | 30.05 | 1.91 | 4.80 |
| WSR33 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 6.00 | 16:31 | 8.32 | 8.30 | 31.42 | 29.93 | 2.36 | 4.60 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:14 | 8.76 | 8.23 | 30.25 | 30.15 | 2.53 | 2.80 |
| WSR33 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:14 | 8.71 | 8.44 | 30.98 | 30.08 | 2.51 | 2.50 |
| WSR33 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 3.60 | 17:13 | 8.40 | 8.30 | 30.62 | 30.14 | 2.35 | 3.40 |
| WSR33 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 3.60 | 17:13 | 9.50 | 8.39 | 31.05 | 30.15 | 2.08 | 2.50 |
| WSR33 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 6.20 | 17:12 | 9.31 | 8.26 | 30.88 | 30.07 | 2.13 | 3.00 |
| WSR33 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 6.20 | 17:12 | 9.39 | 8.35 | 30.62 | 29.93 | 2.31 | 2.60 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:38 | 9.90 | 8.50 | 31.45 | 27.63 | 2.29 | 4.90 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:38 | 9.60 | 8.50 | 31.49 | 27.49 | 2.73 | 2.80 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 9:37 | 9.49 | 8.39 | 31.06 | 27.47 | 2.13 | 3.40 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 9:37 | 9.46 | 8.42 | 31.15 | 27.48 | 2.44 | 3.80 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 9:36 | 9.85 | 8.49 | 31.51 | 27.54 | 2.51 | 3.00 |
| WSR33 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 9:36 | 9.84 | 8.31 | 31.03 | 27.61 | 2.26 | 2.50 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:16 | 9.03 | 8.45 | 31.87 | 26.96 | 3.14 | 5.40 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:16 | 9.24 | 8.46 | 31.25 | 26.90 | 3.39 | 4.80 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 3.65 | 11:15 | 9.45 | 8.43 | 31.41 | 27.01 | 3.08 | 2.50 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 3.65 | 11:15 | 8.61 | 8.29 | 31.51 | 27.00 | 3.12 | 2.50 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.30 | 11:14 | 9.28 | 8.24 | 31.41 | 26.95 | 2.90 | 2.60 |
| WSR33 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.30 | 11:14 | 9.42 | 8.41 | 31.43 | 26.94 | 2.56 | 2.50 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:45 | 9.64 | 8.40 | 31.10 | 28.74 | 3.08 | 2.50 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:45 | 8.60 | 8.40 | 31.00 | 28.57 | 2.97 | 2.60 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 12:44 | 8.76 | 8.40 | 31.36 | 28.66 | 2.56 | 2.50 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 12:44 | 8.37 | 8.60 | 31.35 | 28.58 | 2.72 | 2.50 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.50 | 12:43 | 9.82 | 8.50 | 31.02 | 28.75 | 2.63 | 2.50 |
| WSR33 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.50 | 12:43 | 8.88 | 8.50 | 31.11 | 28.63 | 2.26 | 3.00 |
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:21 | 9.41 | 8.48 | 30.66 | 30.17 | 2.99 | 4.50 |
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:21 | 9.11 | 8.32 | 30.65 | 30.21 | 2.52 | 4.40 |
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 15:20 | 8.79 | 8.32 | 30.69 | 30.11 | 2.22 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 15:20 | 8.96 | 8.30 | 30.60 | 30.29 | 2.55 | 3.40 |
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 15:19 | 8.62 | 8.21 | 31.17 | 30.11 | 2.08 | 5.10 |
| WSR33 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 15:19 | 9.45 | 8.26 | 30.96 | 30.36 | 2.35 | 3.80 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:33 | 10.15 | 8.54 | 28.97 | 28.06 | 2.52 | 3.30 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 16:33 | 9.63 | 8.34 | 28.44 | 27.95 | 2.12 | 4.40 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 3.15 | 16:33 | 10.43 | 8.37 | 29.27 | 28.14 | 2.34 | 2.90 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 3.15 | 16:33 | 9.89 | 8.37 | 28.60 | 28.02 | 2.63 | 3.90 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.30 | 16:32 | 9.87 | 8.52 | 28.96 | 27.96 | 2.38 | 4.50 |
| WSR36 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.30 | 16:32 | 9.69 | 8.58 | 28.23 | 28.10 | 2.24 | 4.00 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:33 | 9.93 | 8.59 | 30.46 | 29.13 | 2.27 | 2.50 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:33 | 9.10 | 8.44 | 29.71 | 29.34 | 2.30 | 2.50 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 3.25 | 16:33 | 9.33 | 8.59 | 30.29 | 29.24 | 2.71 | 2.70 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 3.25 | 16:33 | 9.67 | 8.50 | 30.17 | 29.10 | 2.70 | 2.70 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 5.50 | 16:32 | 9.10 | 8.71 | 29.70 | 29.20 | 1.83 | 2.50 |
| WSR36 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 5.50 | 16:32 | 9.09 | 8.44 | 29.31 | 29.12 | 2.09 | 2.50 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:03 | 10.20 | 8.50 | 30.90 | 27.30 | 2.10 | 3.60 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:03 | 9.30 | 8.40 | 32.00 | 27.30 | 2.20 | 3.80 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 3.90 | 9:03 | 9.80 | 8.60 | 31.70 | 27.30 | 2.30 | 3.10 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 3.90 | 9:03 | 10.00 | 8.40 | 32.00 | 27.30 | 2.20 | 3.30 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 9:02 | 10.10 | 8.40 | 31.30 | 27.40 | 2.40 | 2.70 |
| WSR36 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 9:02 | 9.70 | 8.60 | 31.40 | 27.40 | 2.40 | 4.30 |
| WSR36 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:01 | 11.05 | 8.40 | 32.00 | 28.99 | 2.61 | 2.50 |
| WSR36 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:01 | 9.43 | 8.48 | 32.37 | 29.02 | 2.89 | 4.40 |
| WSR36 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 3.40 | 10:01 | 10.14 | 8.32 | 31.75 | 29.01 | 2.61 | 7.90 |
| WSR36 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 3.40 | 10:01 | 10.30 | 8.51 | 32.59 | 28.86 | 2.76 | 10.70 |
| WSR36 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 5.80 | 10:00 | 10.18 | 8.23 | 31.48 | 28.86 | 2.40 | 3.30 |
| WSR36 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 5.80 | 10:00 | 10.42 | 8.30 | 31.79 | 28.94 | 2.28 | 3.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:45 | 9.61 | 8.46 | 31.44 | 28.76 | 2.79 | 4.30 |
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:45 | 10.26 | 8.26 | 31.22 | 28.94 | 2.78 | 4.00 |
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 3.25 | 11:45 | 9.90 | 8.55 | 31.88 | 28.79 | 2.55 | 4.80 |
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 3.25 | 11:45 | 9.50 | 8.37 | 32.17 | 29.01 | 2.37 | 5.10 |
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.50 | 11:44 | 9.57 | 8.44 | 31.91 | 28.85 | 2.59 | 4.50 |
| WSR36 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.50 | 11:44 | 10.03 | 8.42 | 31.38 | 29.00 | 2.80 | 4.30 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:38 | 9.07 | 8.41 | 29.89 | 28.05 | 2.57 | 2.50 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:38 | 9.00 | 8.52 | 30.70 | 28.08 | 2.70 | 2.50 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 12:38 | 9.31 | 8.41 | 30.46 | 27.87 | 2.41 | 2.50 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 12:38 | 9.03 | 8.47 | 30.81 | 28.02 | 2.73 | 3.00 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 12:37 | 9.43 | 8.51 | 30.63 | 27.83 | 2.02 | 2.50 |
| WSR36 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 12:37 | 9.07 | 8.37 | 29.86 | 28.00 | 2.29 | 2.70 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:59 | 9.64 | 8.59 | 30.94 | 28.31 | 2.77 | 2.50 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:59 | 9.69 | 8.57 | 30.61 | 28.17 | 2.84 | 2.50 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 14:59 | 9.59 | 8.57 | 30.00 | 28.14 | 2.91 | 3.10 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 14:59 | 9.25 | 8.35 | 31.10 | 28.39 | 3.01 | 2.50 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 14:58 | 8.83 | 8.43 | 30.24 | 28.23 | 2.07 | 3.40 |
| WSR36 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 14:58 | 9.35 | 8.47 | 30.04 | 28.47 | 2.11 | 2.50 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:18 | 7.59 | 8.29 | 31.85 | 29.98 | 2.53 | 2.50 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 16:18 | 8.21 | 8.14 | 30.77 | 29.99 | 2.42 | 4.40 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 3.45 | 16:18 | 8.42 | 8.10 | 31.33 | 30.00 | 2.45 | 2.50 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 3.45 | 16:18 | 8.48 | 8.23 | 31.15 | 30.15 | 2.41 | 4.20 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 5.90 | 16:17 | 8.83 | 8.26 | 31.27 | 30.09 | 1.71 | 4.10 |
| WSR36 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 5.90 | 16:17 | 8.28 | 8.13 | 31.81 | 30.18 | 1.81 | 5.30 |
| WSR36 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:04 | 9.35 | 8.44 | 30.81 | 30.15 | 2.75 | 2.50 |
| WSR36 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 17:04 | 9.36 | 8.22 | 30.78 | 29.97 | 2.63 | 2.50 |
| WSR36 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 3.15 | 17:04 | 8.47 | 8.43 | 30.74 | 30.16 | 2.55 | 2.80 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR36 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 3.15 | 17:04 | 9.44 | 8.45 | 31.08 | 29.96 | 2.33 | 2.50 |
| WSR36 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 5.30 | 17:03 | 9.32 | 8.33 | 30.49 | 30.04 | 1.85 | 3.20 |
| WSR36 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 5.30 | 17:03 | 8.63 | 8.43 | 30.96 | 29.97 | 1.78 | 2.50 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:23 | 9.56 | 8.27 | 31.45 | 27.43 | 2.56 | 9.00 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:23 | 9.94 | 8.40 | 31.76 | 27.59 | 2.70 | 8.90 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 3.20 | 9:23 | 9.55 | 8.46 | 31.71 | 27.42 | 2.04 | 4.20 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 3.20 | 9:23 | 9.17 | 8.46 | 30.95 | 27.41 | 2.31 | 4.00 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.40 | 9:22 | 9.07 | 8.27 | 31.70 | 27.41 | 2.13 | 5.30 |
| WSR36 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.40 | 9:22 | 9.90 | 8.37 | 31.35 | 27.52 | 1.88 | 5.00 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:01 | 8.55 | 8.26 | 31.24 | 26.93 | 2.93 | 6.40 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:01 | 9.20 | 8.29 | 31.35 | 26.76 | 3.35 | 5.40 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 3.40 | 11:01 | 8.83 | 8.44 | 31.77 | 26.93 | 2.66 | 3.50 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 3.40 | 11:01 | 8.86 | 8.41 | 31.44 | 26.93 | 3.02 | 4.10 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.80 | 11:00 | 9.11 | 8.38 | 31.49 | 26.87 | 2.83 | 5.20 |
| WSR36 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.80 | 11:00 | 9.41 | 8.21 | 31.77 | 26.77 | 3.14 | 4.70 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:32 | 9.29 | 8.50 | 31.37 | 28.75 | 2.85 | 3.10 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:32 | 8.62 | 8.50 | 31.35 | 28.57 | 2.53 | 3.10 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 3.50 | 12:32 | 9.53 | 8.60 | 31.06 | 28.79 | 2.96 | 2.50 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 3.50 | 12:32 | 9.26 | 8.40 | 31.07 | 28.51 | 2.88 | 2.80 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.90 | 12:31 | 9.73 | 8.40 | 31.38 | 28.61 | 2.45 | 3.70 |
| WSR36 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.90 | 12:31 | 8.31 | 8.30 | 31.14 | 28.66 | 2.80 | 3.90 |
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:06 | 8.98 | 8.49 | 30.63 | 30.20 | 2.94 | 9.60 |
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 15:06 | 9.34 | 8.37 | 31.16 | 30.06 | 3.28 | 9.60 |
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 15:06 | 9.20 | 8.38 | 31.23 | 30.16 | 2.17 | 2.50 |
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 15:06 | 9.09 | 8.41 | 30.82 | 30.20 | 2.35 | 2.50 |
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 15:05 | 9.39 | 8.27 | 30.61 | 30.15 | 2.35 | 2.50 |
| WSR36 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 15:05 | 9.42 | 8.30 | 31.26 | 30.09 | 2.80 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 4:19:00 PM | 10.03 | 8.63 | 28.77 | 28.1 | 2.87 | 4.9 |
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 4:19:00 PM | 10.39 | 8.51 | 29.29 | 28.07 | 2.89 | 3 |
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 4:18:00 PM | 9.9 | 8.44 | 29.34 | 28.08 | 2.08 | 3.3 |
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 4:18:00 PM | 10.35 | 8.58 | 29.02 | 27.98 | 2.44 | 4.9 |
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.7 | 4:17:00 PM | 9.77 | 8.62 | 29.16 | 28.04 | 2.1 | 3.8 |
| WSR37 | 20210601 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.7 | 4:17:00 PM | 10.46 | 8.46 | 28.65 | 28.14 | 2.1 | 3.1 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1 | 4:19:00 PM | 9.94 | 8.64 | 29.35 | 29.2 | 2.35 | 2.5 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Ebb | Surface | 1 | 4:19:00 PM | 9.39 | 8.46 | 29.63 | 29.33 | 2.71 | 2.7 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 4.05 | 4:18:00 PM | 9.11 | 8.54 | 30.14 | 29.28 | 2.62 | 2.5 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Ebb | Middle | 4.05 | 4:18:00 PM | 9.56 | 8.61 | 30.3 | 29.23 | 2.69 | 9.5 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 7.1 | 4:17:00 PM | 9.17 | 8.54 | 30.46 | 29.33 | 1.81 | 2.9 |
| WSR37 | 20210603 | Sunny | Moderate | Mid-Ebb | Bottom | 7.1 | 4:17:00 PM | 9.17 | 8.55 | 29.6 | 29.25 | 2.13 | 2.5 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 8:49:00 AM | 9.6 | 8.6 | 31 | 27.3 | 2.4 | 3.3 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 8:49:00 AM | 9.2 | 8.4 | 32.2 | 27.4 | 2.4 | 5 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 3.9 | 8:48:00 AM | 9.4 | 8.4 | 31.8 | 27.5 | 2.3 | 2.5 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Ebb | Middle | 3.9 | 8:48:00 AM | 9.5 | 8.5 | 31.3 | 27.3 | 2.4 | 2.5 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.8 | 8:47:00 AM | 10 | 8.4 | 32 | 27.3 | 2 | 3.8 |
| WSR37 | 20210605 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.8 | 8:47:00 AM | 10 | 8.4 | 31.4 | 27.4 | 2.2 | 3.9 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1 | 9:46:00 AM | 10.59 | 8.3 | 32.41 | 28.91 | 2.8 | 3.8 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Ebb | Surface | 1 | 9:46:00 AM | 10.29 | 8.37 | 31.76 | 28.84 | 2.59 | 7.3 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 3.9 | 9:45:00 AM | 9.65 | 8.46 | 32.16 | 28.86 | 2.54 | 4.5 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Ebb | Middle | 3.9 | 9:45:00 AM | 9.26 | 8.32 | 31.66 | 28.86 | 2.48 | 8.9 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 6.8 | 9:44:00 AM | 10.84 | 8.22 | 31.98 | 28.92 | 2.37 | 10 |
| WSR37 | 20210608 | Sunny | Moderate | Mid-Ebb | Bottom | 6.8 | 9:44:00 AM | 11.08 | 8.26 | 32.55 | 28.8 | 2.52 | 7.6 |
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 11:30:00 AM | 10.13 | 8.44 | 31.37 | 28.83 | 3.1 | 4.3 |
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 11:30:00 AM | 9.91 | 8.3 | 31.4 | 28.83 | 2.76 | 4.8 |
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 3.9 | 11:29:00 AM | 9.49 | 8.37 | 31.18 | 28.65 | 2.53 | 4.6 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Ebb | Middle | 3.9 | 11:29:00 AM | 10.23 | 8.52 | 32.04 | 28.8 | 2.88 | 4.4 |
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.8 | 11:28:00 AM | 10.13 | 8.5 | 31.6 | 28.84 | 2.88 | 4.7 |
| WSR37 | 20210610 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.8 | 11:28:00 AM | 9.54 | 8.38 | 31.38 | 28.78 | 2.94 | 4.1 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 12:24:00 PM | 8.95 | 8.33 | 30.97 | 28.09 | 3.01 | 2.5 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 12:24:00 PM | 9.86 | 8.52 | 29.89 | 28.05 | 2.75 | 2.5 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 4.1 | 12:23:00 PM | 9.48 | 8.43 | 30.62 | 28.19 | 2.96 | 2.5 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Ebb | Middle | 4.1 | 12:23:00 PM | 9.28 | 8.52 | 30.45 | 27.98 | 2.9 | 3.2 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.2 | 12:22:00 PM | 9.26 | 8.38 | 30.98 | 28.19 | 2.68 | 3.7 |
| WSR37 | 20210612 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.2 | 12:22:00 PM | 9.77 | 8.37 | 30.29 | 28.17 | 2.71 | 2.5 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 2:43:00 PM | 9.22 | 8.47 | 30.25 | 28.35 | 2.85 | 2.5 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 2:43:00 PM | 9.06 | 8.33 | 30.59 | 28.48 | 2.49 | 3 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 3.95 | 2:42:00 PM | 9.09 | 8.33 | 29.96 | 28.57 | 2.93 | 4.4 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Ebb | Middle | 3.95 | 2:42:00 PM | 8.77 | 8.44 | 30.2 | 28.53 | 2.96 | 3.1 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.9 | 2:41:00 PM | 8.73 | 8.57 | 30.36 | 28.52 | 2.29 | 4.8 |
| WSR37 | 20210615 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.9 | 2:41:00 PM | 9.38 | 8.37 | 29.95 | 28.47 | 2.59 | 5.8 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1 | 4:02:00 PM | 8.66 | 8.08 | 31.72 | 30.14 | 2.28 | 3.6 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Ebb | Surface | 1 | 4:02:00 PM | 8.07 | 8.03 | 31.82 | 30.16 | 2.31 | 3.8 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 3.8 | 4:01:00 PM | 8.77 | 8.3 | 31.81 | 30.23 | 2.1 | 6.5 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Ebb | Middle | 3.8 | 4:01:00 PM | 7.87 | 8.19 | 30.8 | 30.15 | 2.05 | 6.2 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 6.6 | 4:00:00 PM | 8.48 | 8.2 | 30.94 | 30.13 | 1.64 | 3.7 |
| WSR37 | 20210617 | Sunny | Moderate | Mid-Ebb | Bottom | 6.6 | 4:00:00 PM | 7.93 | 8.19 | 31.92 | 30.13 | 1.98 | 3.4 |
| WSR37 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1 | 4:54:00 PM | 9.18 | 8.4 | 30.58 | 29.96 | 2.47 | 2.5 |
| WSR37 | 20210619 | Sunny | Moderate | Mid-Ebb | Surface | 1 | 4:54:00 PM | 8.67 | 8.42 | 30.5 | 30.19 | 2.06 | 2.5 |
| WSR37 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 4.2 | 4:53:00 PM | 8.56 | 8.29 | 30.34 | 30.05 | 2.17 | 4.5 |
| WSR37 | 20210619 | Sunny | Moderate | Mid-Ebb | Middle | 4.2 | 4:53:00 PM | 8.89 | 8.43 | 30.9 | 30.01 | 1.83 | 3.3 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR37 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 7.4 | 4:52:00 PM | 8.41 | 8.27 | 31.05 | 30 | 2 | 3.2 |
| WSR37 | 20210619 | Sunny | Moderate | Mid-Ebb | Bottom | 7.4 | 4:52:00 PM | 8.93 | 8.36 | 30.91 | 30.05 | 2.13 | 2.5 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 9:09:00 AM | 9.68 | 8.46 | 30.99 | 27.51 | 2.91 | 6.6 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 9:09:00 AM | 9.88 | 8.23 | 31.58 | 27.56 | 2.56 | 6.4 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 4.2 | 9:08:00 AM | 9.36 | 8.46 | 31.25 | 27.58 | 2.28 | 5.3 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Ebb | Middle | 4.2 | 9:08:00 AM | 9.65 | 8.22 | 30.97 | 27.45 | 2.65 | 4.3 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.4 | 9:07:00 AM | 8.76 | 8.21 | 31.75 | 27.57 | 2.33 | 3.8 |
| WSR37 | 20210622 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.4 | 9:07:00 AM | 9.99 | 8.38 | 30.97 | 27.62 | 2.3 | 2.5 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 10:47:00 AM | 9.11 | 8.32 | 31.48 | 26.88 | 3.47 | 5.7 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 10:47:00 AM | 9.29 | 8.4 | 31.27 | 26.93 | 3.22 | 5.5 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 4.45 | 10:46:00 AM | 9.32 | 8.44 | 31.04 | 26.89 | 3.1 | 4.7 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Ebb | Middle | 4.45 | 10:46:00 AM | 9.05 | 8.3 | 31.49 | 26.94 | 3.4 | 4.1 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.9 | 10:45:00 AM | 8.99 | 8.25 | 31.62 | 26.74 | 2.95 | 3.5 |
| WSR37 | 20210624 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.9 | 10:45:00 AM | 9.12 | 8.21 | 31.57 | 26.85 | 2.79 | 2.5 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 12:20:00 PM | 9.44 | 8.5 | 31.01 | 28.55 | 3.07 | 3.6 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Ebb | Surface | 1 | 12:20:00 PM | 9.14 | 8.3 | 31.25 | 28.71 | 2.74 | 2.5 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 4.3 | 12:19:00 PM | 9.1 | 8.6 | 31.16 | 28.7 | 3.15 | 3.2 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Ebb | Middle | 4.3 | 12:19:00 PM | 8.54 | 8.6 | 31.22 | 28.65 | 3.18 | 4.2 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.5 | 12:18:00 PM | 9.67 | 8.5 | 31.33 | 28.61 | 3.2 | 3.1 |
| WSR37 | 20210626 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.5 | 12:18:00 PM | 9.51 | 8.5 | 31.39 | 28.79 | 3.27 | 2.5 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:52 | 8.66 | 8.40 | 31.14 | 30.08 | 2.57 | 3.6 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 14:52 | 9.00 | 8.51 | 30.69 | 30.15 | 2.75 | 4.9 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 4.35 | 14:51 | 9.16 | 8.46 | 30.70 | 30.04 | 2.44 | 4.8 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Ebb | Middle | 4.35 | 14:51 | 9.54 | 8.39 | 30.99 | 30.08 | 2.53 | 4.8 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.70 | 14:50 | 8.91 | 8.38 | 31.06 | 30.09 | 2.18 | 2.5 |
| WSR37 | 20210629 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.70 | 14:50 | 9.55 | 8.35 | 31.21 | 30.10 | 2.31 | 2.5 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:33:00 AM | 9.06 | 8.28 | 31.52 | 30.28 | 3.90 | 2.50 |
| CE | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:33:00 AM | 9.94 | 8.46 | 31.31 | 30.31 | 3.74 | 2.50 |
| CE | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 11.05 | 11:32:00 AM | 9.75 | 8.30 | 31.77 | 30.27 | 3.44 | 4.40 |
| CE | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 11.05 | 11:32:00 AM | 9.71 | 8.25 | 31.79 | 30.25 | 3.35 | 2.50 |
| CE | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 21.10 | 11:31:00 AM | 9.41 | 8.45 | 31.83 | 30.18 | 3.04 | 2.50 |
| CE | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 21.10 | 11:31:00 AM | 9.81 | 8.21 | 31.74 | 30.44 | 3.11 | 2.70 |
| CE | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 1:48:00 PM | 9.48 | 8.33 | 30.48 | 30.37 | 3.21 | 2.50 |
| CE | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 1:48:00 PM | 9.88 | 8.19 | 31.54 | 30.49 | 3.14 | 2.50 |
| CE | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 11.65 | 1:47:00 PM | 9.92 | 8.48 | 31.78 | 30.48 | 3.62 | 2.50 |
| CE | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 11.65 | 1:47:00 PM | 8.57 | 8.24 | 30.74 | 30.33 | 3.60 | 2.50 |
| CE | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 22.30 | 1:46:00 PM | 8.78 | 8.43 | 30.65 | 30.26 | 3.43 | 2.50 |
| CE | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 22.30 | 1:46:00 PM | 8.54 | 8.22 | 31.15 | 30.28 | 3.05 | 2.50 |
| CE | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:08:00 PM | 9.29 | 8.43 | 30.55 | 29.47 | 3.37 | 2.50 |
| CE | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:08:00 PM | 9.40 | 8.46 | 30.94 | 29.45 | 3.63 | 2.50 |
| CE | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 11.95 | 6:07:00 PM | 9.73 | 8.48 | 31.01 | 29.56 | 3.43 | 2.50 |
| CE | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 11.95 | 6:07:00 PM | 8.94 | 8.43 | 30.85 | 29.47 | 3.32 | 2.50 |
| CE | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 22.90 | 6:06:00 PM | 9.57 | 8.30 | 30.99 | 29.60 | 3.36 | 2.50 |
| CE | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 22.90 | 6:06:00 PM | 9.57 | 8.36 | 31.13 | 29.48 | 3.04 | 2.50 |
| CE | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:05:00 PM | 9.07 | 8.18 | 31.15 | 29.70 | 3.71 | 2.50 |
| CE | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:05:00 PM | 9.27 | 8.13 | 30.76 | 29.60 | 3.21 | 2.50 |
| CE | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 12.15 | 6:04:00 PM | 8.13 | 8.22 | 30.73 | 29.61 | 3.47 | 3.40 |
| CE | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 12.15 | 6:04:00 PM | 8.80 | 8.20 | 31.22 | 29.66 | 3.04 | 3.30 |
| CE | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 23.30 | 6:03:00 PM | 9.09 | 8.21 | 30.95 | 29.67 | 2.71 | 2.50 |
| CE | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 23.30 | 6:03:00 PM | 8.90 | 8.13 | 31.22 | 29.62 | 2.76 | 2.50 |
| CE | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:52:00 PM | 8.53 | 8.40 | 29.78 | 29.83 | 3.57 | 3.50 |
| CE | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:52:00 PM | 8.86 | 8.24 | 29.32 | 29.76 | 4.06 | 3.20 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 10.10 | 6:51:00 PM | 8.55 | 8.42 | 29.62 | 29.68 | 3.82 | 3.40 |
| CE | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 10.10 | 6:51:00 PM | 7.85 | 8.47 | 29.69 | 29.79 | 3.22 | 3.30 |
| CE | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 19.20 | 6:50:00 PM | 8.83 | 8.37 | 29.63 | 29.61 | 3.52 | 2.70 |
| CE | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 19.20 | 6:50:00 PM | 8.07 | 8.27 | 29.43 | 29.66 | 3.52 | 3.70 |
| CE | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:25:00 AM | 8.46 | 8.40 | 30.74 | 30.01 | 3.76 | 5.50 |
| CE | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:25:00 AM | 8.26 | 8.34 | 30.58 | 30.03 | 3.37 | 3.40 |
| CE | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 12.30 | 10:24:00 AM | 7.87 | 8.23 | 30.69 | 30.14 | 3.24 | 5.50 |
| CE | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 12.30 | 10:24:00 AM | 8.23 | 8.19 | 30.75 | 30.22 | 3.31 | 3.40 |
| CE | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 23.60 | 10:23:00 AM | 7.61 | 8.22 | 30.85 | 30.17 | 2.83 | 5.80 |
| CE | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 23.60 | 10:23:00 AM | 7.83 | 8.18 | 30.88 | 29.94 | 2.89 | 3.00 |
| CE | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:45:00 AM | 9.22 | 8.19 | 31.36 | 29.87 | 4.05 | 2.50 |
| CE | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:45:00 AM | 9.30 | 8.20 | 31.31 | 30.05 | 4.20 | 3.30 |
| CE | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 10.80 | 10:44:00 AM | 8.61 | 8.18 | 31.27 | 30.00 | 4.12 | 2.50 |
| CE | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 10.80 | 10:44:00 AM | 7.89 | 8.29 | 31.99 | 30.02 | 3.44 | 3.80 |
| CE | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 20.60 | 10:43:00 AM | 8.33 | 8.22 | 31.70 | 30.04 | 3.59 | 3.00 |
| CE | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 20.60 | 10:43:00 AM | 8.14 | 8.16 | 31.70 | 29.98 | 3.25 | 4.20 |
| CE | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:10:00 PM | 8.41 | 8.38 | 31.57 | 27.54 | 3.86 | 6.70 |
| CE | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:10:00 PM | 9.44 | 8.21 | 31.52 | 27.63 | 4.22 | 6.70 |
| CE | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 11.05 | 12:09:00 PM | 8.48 | 8.41 | 31.84 | 27.65 | 3.26 | 12.10 |
| CE | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 11.05 | 12:09:00 PM | 8.47 | 8.20 | 31.40 | 27.65 | 3.26 | 12.10 |
| CE | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 21.10 | 12:08:00 PM | 8.42 | 8.27 | 31.53 | 27.60 | 3.35 | 6.00 |
| CE | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 21.10 | 12:08:00 PM | 9.21 | 8.44 | 31.77 | 27.66 | 3.00 | 5.60 |
| CE | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:21:00 PM | 8.28 | 8.10 | 30.71 | 29.12 | 4.16 | 3.70 |
| CE | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:21:00 PM | 7.52 | 7.94 | 30.75 | 29.11 | 4.54 | 2.50 |
| CE | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 11.85 | 6:20:00 PM | 7.86 | 8.15 | 30.54 | 29.15 | 3.85 | 2.50 |
| CE | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 11.85 | 6:20:00 PM | 7.32 | 7.96 | 30.61 | 29.03 | 3.64 | 2.50 |
| CE | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 22.70 | 6:19:00 PM | 7.46 | 8.06 | 30.69 | 29.08 | 4.06 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 22.70 | 6:19:00 PM | 8.20 | 8.10 | 30.78 | 29.02 | 3.80 | 2.50 |
| CE | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:46:00 PM | 7.61 | 7.96 | 30.03 | 28.64 | 5.10 | 2.50 |
| CE | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:46:00 PM | 8.62 | 7.98 | 30.15 | 28.69 | 4.82 | 2.50 |
| CE | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 10.05 | 6:45:00 PM | 8.51 | 8.20 | 30.35 | 28.67 | 4.97 | 2.50 |
| CE | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 10.05 | 6:45:00 PM | 8.17 | 8.16 | 29.97 | 28.74 | 4.89 | 2.50 |
| CE | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 19.10 | 6:44:00 PM | 8.22 | 8.25 | 30.35 | 28.71 | 4.09 | 2.50 |
| CE | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 19.10 | 6:44:00 PM | 8.19 | 8.26 | 29.89 | 28.68 | 4.16 | 3.30 |
| CE | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:30:00 AM | 7.76 | 7.97 | 29.47 | 29.63 | 4.36 | 2.50 |
| CE | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:30:00 AM | 8.12 | 8.14 | 29.57 | 29.54 | 3.95 | 3.80 |
| CE | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 10.30 | 10:29:00 AM | 7.97 | 8.07 | 29.73 | 29.68 | 3.77 | 3.60 |
| CE | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 10.30 | 10:29:00 AM | 8.17 | 8.14 | 30.18 | 29.62 | 4.18 | 3.00 |
| CE | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 19.60 | 10:28:00 AM | 8.24 | 7.96 | 29.53 | 29.52 | 3.76 | 3.80 |
| CE | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 19.60 | 10:28:00 AM | 7.96 | 8.01 | 30.17 | 29.54 | 3.35 | 2.50 |
| CE | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:39:00 AM | 8.12 | 8.17 | 29.58 | 28.94 | 4.90 | 3.20 |
| CE | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:39:00 AM | 8.19 | 8.19 | 29.50 | 28.96 | 4.40 | 3.90 |
| CE | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 11.20 | 10:38:00 AM | 8.20 | 7.97 | 29.71 | 28.91 | 4.28 | 5.80 |
| CE | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 11.20 | 10:38:00 AM | 8.06 | 8.25 | 29.63 | 28.95 | 4.13 | 5.40 |
| CE | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 21.40 | 10:37:00 AM | 8.40 | 8.12 | 29.60 | 28.94 | 4.07 | 2.50 |
| CE | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 21.40 | 10:37:00 AM | 8.59 | 7.94 | 29.34 | 28.98 | 4.32 | 3.10 |
| CE | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:24:00 PM | 9.42 | 8.03 | 31.62 | 29.04 | 3.04 | 2.50 |
| CE | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:24:00 PM | 9.73 | 8.19 | 31.40 | 29.17 | 3.47 | 4.00 |
| CE | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 12.30 | 12:23:00 PM | 9.61 | 8.13 | 31.71 | 29.06 | 3.45 | 7.30 |
| CE | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 12.30 | 12:23:00 PM | 9.77 | 7.91 | 31.86 | 29.09 | 3.30 | 7.10 |
| CE | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 23.60 | 12:22:00 PM | 9.31 | 8.03 | 30.56 | 29.10 | 3.29 | 5.50 |
| CE | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 23.60 | 12:22:00 PM | 9.65 | 8.00 | 31.42 | 29.04 | 2.92 | 5.80 |
| CF | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:42:00 AM | 9.73 | 8.46 | 31.22 | 29.79 | 3.22 | 2.60 |
| CF | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:42:00 AM | 9.71 | 8.32 | 31.56 | 29.94 | 3.65 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 10.80 | 8:41:00 AM | 9.49 | 8.30 | 31.92 | 29.91 | 3.21 | 2.50 |
| CF | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 10.80 | 8:41:00 AM | 9.14 | 8.40 | 31.51 | 29.92 | 3.34 | 2.50 |
| CF | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 20.60 | 8:40:00 AM | 9.40 | 8.45 | 31.25 | 29.84 | 3.18 | 4.20 |
| CF | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 20.60 | 8:40:00 AM | 9.33 | 8.38 | 31.31 | 29.88 | 3.32 | 4.20 |
| CF | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:25:00 AM | 9.63 | 8.27 | 31.10 | 30.27 | 3.18 | 2.50 |
| CF | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:25:00 AM | 9.10 | 8.33 | 30.84 | 30.11 | 3.62 | 2.50 |
| CF | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 10.40 | 11:24:00 AM | 9.36 | 8.34 | 30.83 | 29.96 | 3.40 | 2.50 |
| CF | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 10.40 | 11:24:00 AM | 9.80 | 8.41 | 31.63 | 30.22 | 3.26 | 2.50 |
| CF | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 19.80 | 11:23:00 AM | 9.38 | 8.42 | 31.24 | 30.19 | 3.18 | 2.50 |
| CF | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 19.80 | 11:23:00 AM | 9.68 | 8.44 | 31.52 | 30.26 | 3.25 | 2.50 |
| CF | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 3:24:00 PM | 9.00 | 8.44 | 30.98 | 29.87 | 3.78 | 3.70 |
| CF | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 3:24:00 PM | 8.95 | 8.50 | 30.54 | 30.09 | 3.25 | 2.50 |
| CF | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 9.65 | 3:23:00 PM | 9.97 | 8.50 | 30.79 | 30.06 | 3.28 | 2.50 |
| CF | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 9.65 | 3:23:00 PM | 9.19 | 8.28 | 30.49 | 29.96 | 2.98 | 3.10 |
| CF | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 18.30 | 3:22:00 PM | 9.59 | 8.48 | 31.17 | 29.90 | 2.74 | 2.30 |
| CF | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 18.30 | 3:22:00 PM | 9.34 | 8.33 | 30.77 | 29.86 | 3.13 | 2.30 |
| CF | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 3:32:00 PM | 8.14 | 8.16 | 31.11 | 30.05 | 3.23 | 3.30 |
| CF | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 3:32:00 PM | 9.18 | 8.27 | 31.34 | 29.83 | 3.10 | 2.50 |
| CF | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 10.75 | 3:31:00 PM | 8.37 | 8.25 | 31.18 | 29.98 | 3.03 | 2.50 |
| CF | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 10.75 | 3:31:00 PM | 8.94 | 8.17 | 31.31 | 29.94 | 3.45 | 2.50 |
| CF | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 20.50 | 3:30:00 PM | 9.11 | 8.16 | 31.44 | 29.93 | 2.84 | 4.00 |
| CF | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 20.50 | 3:30:00 PM | 8.66 | 8.15 | 31.29 | 29.92 | 3.05 | 4.00 |
| CF | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:45:00 PM | 8.75 | 8.48 | 29.65 | 30.18 | 3.89 | 4.30 |
| CF | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:45:00 PM | 8.94 | 8.37 | 29.90 | 30.05 | 3.49 | 2.90 |
| CF | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 10.70 | 4:44:00 PM | 8.10 | 8.29 | 29.61 | 30.27 | 3.20 | 3.40 |
| CF | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 10.70 | 4:44:00 PM | 7.56 | 8.45 | 29.86 | 30.25 | 3.34 | 2.70 |
| CF | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 20.40 | 4:43:00 PM | 8.52 | 8.46 | 29.66 | 30.28 | 2.78 | 4.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 20.40 | 4:43:00 PM | 7.48 | 8.45 | 29.85 | 30.06 | 3.19 | 3.40 |
| CF | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:02:00 AM | 7.83 | 8.31 | 30.95 | 29.52 | 3.57 | 8.90 |
| CF | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:02:00 AM | 7.61 | 8.40 | 30.53 | 29.40 | 3.92 | 8.90 |
| CF | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 10.25 | 8:01:00 AM | 7.54 | 8.23 | 30.77 | 29.64 | 3.73 | 6.40 |
| CF | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 10.25 | 8:01:00 AM | 8.29 | 8.39 | 30.87 | 29.41 | 3.30 | 3.60 |
| CF | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 19.50 | 8:00:00 AM | 8.40 | 8.38 | 30.72 | 29.54 | 2.83 | 11.50 |
| CF | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 19.50 | 8:00:00 AM | 7.69 | 8.32 | 30.53 | 29.52 | 3.25 | 11.50 |
| CF | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:02:00 AM | 8.86 | 8.13 | 31.39 | 29.09 | 4.05 | 4.10 |
| CF | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:02:00 AM | 8.69 | 8.28 | 31.39 | 28.94 | 4.12 | 3.10 |
| CF | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 9.90 | 8:01:00 AM | 8.51 | 8.14 | 31.82 | 29.05 | 3.49 | 12.00 |
| CF | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 9.90 | 8:01:00 AM | 8.75 | 8.35 | 31.59 | 28.93 | 3.38 | 10.50 |
| CF | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 18.80 | 8:00:00 AM | 9.00 | 8.15 | 31.46 | 28.93 | 3.65 | 2.50 |
| CF | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 18.80 | 8:00:00 AM | 8.78 | 8.16 | 31.83 | 28.95 | 3.19 | 2.50 |
| CF | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:35:00 AM | 8.44 | 8.41 | 31.78 | 27.25 | 4.31 | 3.30 |
| CF | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:35:00 AM | 9.35 | 8.26 | 31.83 | 27.24 | 4.02 | 2.50 |
| CF | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 9.80 | 9:34:00 AM | 8.31 | 8.20 | 31.14 | 27.23 | 3.75 | 11.20 |
| CF | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 9.80 | 9:34:00 AM | 8.31 | 8.34 | 31.29 | 27.28 | 3.62 | 11.20 |
| CF | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 18.60 | 9:33:00 AM | 9.13 | 8.37 | 31.62 | 27.17 | 3.57 | 2.50 |
| CF | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 18.60 | 9:33:00 AM | 9.51 | 8.34 | 31.82 | 27.24 | 3.24 | 3.20 |
| CF | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 3:32:00 PM | 7.56 | 7.99 | 30.00 | 29.26 | 3.81 | 2.50 |
| CF | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 3:32:00 PM | 7.49 | 7.99 | 29.80 | 29.28 | 3.42 | 2.50 |
| CF | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 10.45 | 3:31:00 PM | 7.75 | 8.02 | 29.80 | 29.35 | 3.88 | 2.50 |
| CF | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 10.45 | 3:31:00 PM | 7.75 | 7.90 | 30.78 | 29.34 | 4.09 | 2.50 |
| CF | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 19.90 | 3:30:00 PM | 7.43 | 8.08 | 29.92 | 29.34 | 4.11 | 2.50 |
| CF | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 19.90 | 3:30:00 PM | 8.01 | 7.99 | 30.36 | 29.17 | 4.07 | 3.20 |
| CF | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:29:00 PM | 7.50 | 7.94 | 30.05 | 29.21 | 4.58 | 2.50 |
| CF | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:29:00 PM | 7.89 | 8.06 | 29.83 | 29.24 | 5.22 | 3.60 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 10.40 | 4:28:00 PM | 8.31 | 8.21 | 30.25 | 29.14 | 4.98 | 2.50 |
| CF | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 10.40 | 4:28:00 PM | 7.51 | 7.91 | 30.08 | 29.28 | 4.37 | 2.50 |
| CF | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 19.80 | 4:27:00 PM | 7.74 | 7.95 | 29.83 | 29.22 | 4.04 | 2.50 |
| CF | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 19.80 | 4:27:00 PM | 7.73 | 8.19 | 30.03 | 29.16 | 4.76 | 2.50 |
| CF | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:02:00 AM | 7.73 | 8.02 | 29.89 | 28.98 | 4.14 | 3.10 |
| CF | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:02:00 AM | 8.33 | 8.11 | 29.86 | 28.98 | 3.83 | 2.50 |
| CF | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 9.55 | 8:01:00 AM | 8.28 | 8.02 | 30.32 | 29.00 | 3.65 | 9.90 |
| CF | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 9.55 | 8:01:00 AM | 7.93 | 7.94 | 30.26 | 29.00 | 3.34 | 9.70 |
| CF | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 18.10 | 8:00:00 AM | 8.04 | 8.05 | 29.85 | 29.01 | 3.81 | 6.80 |
| CF | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 18.10 | 8:00:00 AM | 8.08 | 8.10 | 29.85 | 29.03 | 3.60 | 6.90 |
| CF | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:02:00 AM | 8.13 | 8.23 | 29.78 | 28.36 | 4.70 | 7.40 |
| CF | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:02:00 AM | 8.23 | 8.23 | 29.90 | 28.35 | 4.71 | 7.20 |
| CF | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 10.50 | 8:01:00 AM | 8.24 | 8.09 | 29.82 | 28.40 | 4.66 | 7.10 |
| CF | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 10.50 | 8:01:00 AM | 7.65 | 7.98 | 29.84 | 28.39 | 4.24 | 6.70 |
| CF | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 20.00 | 8:00:00 AM | 7.73 | 8.23 | 29.97 | 28.39 | 3.92 | 2.50 |
| CF | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 20.00 | 8:00:00 AM | 7.77 | 8.22 | 30.10 | 28.37 | 4.24 | 2.50 |
| CF | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:47:00 AM | 8.28 | 8.05 | 30.30 | 28.69 | 3.84 | 7.00 |
| CF | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:47:00 AM | 8.04 | 8.03 | 30.25 | 28.76 | 3.43 | 7.20 |
| CF | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 10.20 | 9:46:00 AM | 7.96 | 8.03 | 30.09 | 28.71 | 3.25 | 2.90 |
| CF | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 10.20 | 9:46:00 AM | 8.21 | 8.13 | 30.53 | 28.76 | 3.65 | 3.00 |
| CF | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 19.40 | 9:45:00 AM | 7.94 | 8.15 | 31.20 | 28.79 | 3.05 | 4.40 |
| CF | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 19.40 | 9:45:00 AM | 8.01 | 7.95 | 30.13 | 28.79 | 2.58 | 3.60 |
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:06:00 AM | 10.13 | 8.21 | 31.34 | 29.85 | 2.72 | 3.30 |
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:06:00 AM | 9.99 | 8.39 | 31.89 | 29.87 | 2.64 | 4.00 |
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 4.30 | 9:05:00 AM | 10.08 | 8.47 | 31.84 | 29.98 | 2.62 | 3.00 |
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 4.30 | 9:05:00 AM | 9.49 | 8.42 | 31.27 | 29.92 | 2.36 | 5.10 |
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 7.60 | 9:04:00 AM | 10.15 | 8.23 | 31.36 | 29.91 | 2.26 | 3.40 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 7.60 | 9:04:00 AM | 9.59 | 8.36 | 31.21 | 29.95 | 2.35 | 3.50 |
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:47:00 AM | 9.72 | 8.35 | 30.77 | 30.09 | 2.43 | 2.50 |
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:47:00 AM | 9.88 | 8.18 | 30.60 | 30.26 | 2.86 | 2.50 |
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 4.70 | 11:46:00 AM | 9.12 | 8.49 | 30.99 | 30.15 | 2.42 | 2.50 |
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 4.70 | 11:46:00 AM | 9.16 | 8.31 | 30.76 | 30.12 | 2.45 | 2.50 |
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 8.40 | 11:45:00 AM | 9.86 | 8.41 | 30.93 | 30.29 | 2.24 | 2.50 |
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 8.40 | 11:45:00 AM | 8.49 | 8.34 | 30.76 | 30.13 | 2.15 | 2.50 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 3:47:00 PM | 9.93 | 8.46 | 30.93 | 29.95 | 3.21 | 2.10 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 3:47:00 PM | 9.78 | 8.51 | 31.00 | 30.01 | 2.80 | 2.60 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 4.25 | 3:46:00 PM | 9.20 | 8.38 | 30.51 | 30.01 | 2.54 | 3.00 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 4.25 | 3:46:00 PM | 9.48 | 8.51 | 30.87 | 30.01 | 2.69 | 3.10 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 7.50 | 3:45:00 PM | 9.47 | 8.49 | 31.09 | 29.75 | 2.13 | 2.70 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 7.50 | 3:45:00 PM | 9.59 | 8.46 | 30.85 | 29.81 | 2.40 | 3.40 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 3:53:00 PM | 8.16 | 8.12 | 31.30 | 29.87 | 2.65 | 2.50 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 3:53:00 PM | 8.52 | 8.12 | 31.43 | 29.95 | 2.41 | 2.50 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 4.60 | 3:52:00 PM | 8.73 | 8.18 | 31.11 | 30.09 | 2.48 | 4.60 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 4.60 | 3:52:00 PM | 8.40 | 8.30 | 31.11 | 29.88 | 2.22 | 4.60 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 8.20 | 3:51:00 PM | 8.48 | 8.29 | 31.35 | 30.08 | 1.73 | 3.30 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 8.20 | 3:51:00 PM | 8.73 | 8.37 | 31.09 | 30.02 | 1.96 | 2.50 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:05:00 PM | 8.43 | 8.45 | 29.23 | 30.05 | 2.27 | 3.90 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:05:00 PM | 8.98 | 8.42 | 29.45 | 29.91 | 2.49 | 3.90 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 4.35 | 5:04:00 PM | 7.81 | 8.38 | 29.46 | 30.08 | 2.44 | 3.30 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 4.35 | 5:04:00 PM | 7.81 | 8.33 | 29.50 | 30.13 | 2.12 | 3.90 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 7.70 | 5:03:00 PM | 8.48 | 8.26 | 29.90 | 29.99 | 1.81 | 8.10 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 7.70 | 5:03:00 PM | 8.53 | 8.33 | 29.39 | 29.98 | 1.84 | 8.10 |
| WSR01 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:23:00 AM | 8.35 | 8.19 | 30.66 | 29.61 | 2.72 | 4.00 |
| WSR01 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:23:00 AM | 8.16 | 8.23 | 30.71 | 29.50 | 2.35 | 4.10 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 4.60 | 8:22:00 AM | 8.18 | 8.33 | 30.70 | 29.46 | 1.86 | 6.80 |
| WSR01 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 4.60 | 8:22:00 AM | 8.24 | 8.27 | 30.41 | 29.62 | 2.09 | 6.80 |
| WSR01 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 8.20 | 8:21:00 AM | 8.32 | 8.36 | 30.73 | 29.59 | 1.86 | 3.40 |
| WSR01 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 8.20 | 8:21:00 AM | 8.01 | 8.40 | 30.51 | 29.68 | 2.22 | 3.30 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:26:00 AM | 9.37 | 8.28 | 31.47 | 29.08 | 2.68 | 2.50 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:26:00 AM | 8.66 | 8.20 | 31.62 | 29.15 | 2.52 | 3.80 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 8:25:00 AM | 7.95 | 8.14 | 31.82 | 29.11 | 2.59 | 3.20 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 8:25:00 AM | 8.92 | 8.34 | 31.91 | 29.12 | 2.94 | 2.50 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 8:24:00 AM | 7.61 | 8.36 | 31.85 | 29.15 | 2.91 | 2.80 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 8:24:00 AM | 8.47 | 8.27 | 31.63 | 29.06 | 2.55 | 2.60 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:58:00 AM | 8.78 | 8.46 | 31.92 | 27.31 | 2.57 | 4.20 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:58:00 AM | 8.61 | 8.38 | 31.36 | 27.26 | 2.44 | 4.00 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 4.55 | 9:57:00 AM | 9.32 | 8.46 | 31.67 | 27.23 | 2.42 | 3.60 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 4.55 | 9:57:00 AM | 9.41 | 8.43 | 31.89 | 27.36 | 2.39 | 5.30 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 8.10 | 9:56:00 AM | 9.19 | 8.35 | 31.15 | 27.34 | 2.58 | 3.10 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 8.10 | 9:56:00 AM | 8.93 | 8.41 | 31.67 | 27.26 | 2.92 | 3.30 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 3:57:00 PM | 7.35 | 8.08 | 30.82 | 29.38 | 1.91 | 3.60 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 3:57:00 PM | 8.04 | 7.91 | 30.13 | 29.47 | 2.21 | 2.80 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 4.30 | 3:56:00 PM | 8.25 | 8.15 | 30.22 | 29.46 | 2.13 | 2.50 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 4.30 | 3:56:00 PM | 7.31 | 7.99 | 29.87 | 29.29 | 2.14 | 2.50 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 7.60 | 3:55:00 PM | 8.01 | 7.97 | 30.54 | 29.56 | 1.70 | 2.50 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 7.60 | 3:55:00 PM | 7.34 | 7.94 | 30.08 | 29.46 | 2.03 | 3.60 |
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:49:00 PM | 7.57 | 7.99 | 30.21 | 29.16 | 2.77 | 2.50 |
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:49:00 PM | 8.26 | 8.03 | 29.83 | 29.05 | 2.34 | 2.50 |
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 4.55 | 4:48:00 PM | 8.32 | 8.02 | 29.83 | 29.07 | 2.63 | 2.50 |
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 4.55 | 4:48:00 PM | 8.13 | 8.05 | 29.96 | 29.02 | 2.20 | 2.80 |
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 8.10 | 4:47:00 PM | 8.35 | 8.06 | 30.00 | 29.13 | 2.26 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 8.10 | 4:47:00 PM | 8.60 | 8.05 | 30.12 | 29.14 | 2.41 | 2.50 |
| WSR01 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:24:00 AM | 7.74 | 7.98 | 29.80 | 29.07 | 3.01 | 2.90 |
| WSR01 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:24:00 AM | 7.97 | 8.04 | 30.07 | 29.04 | 2.54 | 3.80 |
| WSR01 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 8:23:00 AM | 7.82 | 8.11 | 30.38 | 29.16 | 2.05 | 4.10 |
| WSR01 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 8:23:00 AM | 8.25 | 7.93 | 29.77 | 29.22 | 2.43 | 3.60 |
| WSR01 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 8:22:00 AM | 8.21 | 7.92 | 29.69 | 29.11 | 2.30 | 8.50 |
| WSR01 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 8:22:00 AM | 7.63 | 8.21 | 30.11 | 29.08 | 2.16 | 8.90 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:26:00 AM | 8.04 | 8.25 | 30.02 | 28.58 | 3.45 | 2.80 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:26:00 AM | 8.62 | 8.32 | 30.07 | 28.58 | 2.93 | 2.60 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 4.30 | 8:25:00 AM | 8.51 | 8.50 | 29.88 | 28.50 | 2.49 | 2.50 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 4.30 | 8:25:00 AM | 7.92 | 8.29 | 29.78 | 28.46 | 2.46 | 3.40 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 7.60 | 8:24:00 AM | 7.92 | 8.41 | 30.15 | 28.50 | 2.79 | 5.10 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 7.60 | 8:24:00 AM | 8.48 | 8.22 | 30.12 | 28.44 | 2.52 | 4.90 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:10:00 AM | 8.88 | 7.92 | 30.58 | 28.85 | 2.43 | 6.20 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:10:00 AM | 9.13 | 8.12 | 30.76 | 28.84 | 2.38 | 6.50 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 4.70 | 10:09:00 AM | 9.10 | 8.11 | 31.13 | 28.75 | 2.17 | 6.40 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 4.70 | 10:09:00 AM | 8.94 | 8.10 | 30.74 | 28.90 | 2.57 | 6.70 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 8.40 | 10:08:00 AM | 8.92 | 8.01 | 30.82 | 28.77 | 2.11 | 2.70 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 8.40 | 10:08:00 AM | 8.89 | 8.18 | 30.85 | 28.91 | 1.82 | 2.50 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:27:00 AM | 10.05 | 8.26 | 31.48 | 30.14 | 2.62 | 2.50 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:27:00 AM | 9.66 | 8.31 | 31.83 | 29.98 | 2.93 | 2.50 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 4.50 | 9:26:00 AM | 10.01 | 8.45 | 31.44 | 30.05 | 2.19 | 2.50 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 4.50 | 9:26:00 AM | 9.56 | 8.31 | 31.68 | 30.14 | 2.62 | 3.20 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 8.00 | 9:25:00 AM | 9.88 | 8.39 | 31.81 | 30.10 | 2.32 | 2.60 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 8.00 | 9:25:00 AM | 10.02 | 8.41 | 31.16 | 30.04 | 2.34 | 2.50 |
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:03:00 PM | 9.24 | 8.26 | 31.11 | 30.08 | 2.79 | 2.50 |
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:03:00 PM | 9.81 | 8.31 | 30.85 | 30.01 | 2.58 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 12:02:00 PM | 9.11 | 8.42 | 30.55 | 30.27 | 2.59 | 2.50 |
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 12:02:00 PM | 8.49 | 8.50 | 30.55 | 30.17 | 2.65 | 2.50 |
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 12:01:00 PM | 9.08 | 8.18 | 31.72 | 30.05 | 2.21 | 2.50 |
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 12:01:00 PM | 9.37 | 8.48 | 31.11 | 30.04 | 2.53 | 2.50 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:08:00 PM | 9.07 | 8.43 | 30.94 | 29.89 | 3.20 | 5.70 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:08:00 PM | 9.91 | 8.28 | 31.12 | 29.73 | 2.76 | 5.70 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 4.70 | 4:07:00 PM | 9.75 | 8.28 | 30.60 | 29.69 | 2.89 | 4.30 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 4.70 | 4:07:00 PM | 9.26 | 8.37 | 31.11 | 29.83 | 2.85 | 3.60 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 8.40 | 4:06:00 PM | 9.42 | 8.42 | 30.87 | 29.69 | 2.62 | 4.70 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 8.40 | 4:06:00 PM | 9.92 | 8.40 | 30.92 | 29.75 | 2.38 | 4.30 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:10:00 PM | 8.14 | 8.32 | 31.36 | 30.00 | 2.38 | 4.70 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:10:00 PM | 8.65 | 8.33 | 30.76 | 29.96 | 2.84 | 4.70 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 4.95 | 4:09:00 PM | 9.04 | 8.19 | 31.04 | 30.01 | 1.86 | 2.50 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 4.95 | 4:09:00 PM | 8.54 | 8.18 | 30.78 | 29.95 | 1.97 | 2.50 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 8.90 | 4:08:00 PM | 8.80 | 8.32 | 30.81 | 30.03 | 1.67 | 3.90 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 8.90 | 4:08:00 PM | 8.08 | 8.18 | 30.74 | 29.91 | 1.89 | 3.90 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:20:00 PM | 9.02 | 8.26 | 29.59 | 30.16 | 2.42 | 9.00 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:20:00 PM | 8.07 | 8.44 | 29.59 | 30.06 | 2.52 | 9.00 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 4.60 | 5:19:00 PM | 8.26 | 8.40 | 29.12 | 30.01 | 2.37 | 2.60 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 4.60 | 5:19:00 PM | 7.57 | 8.28 | 29.57 | 29.99 | 2.70 | 4.00 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 8.20 | 5:18:00 PM | 8.28 | 8.30 | 29.62 | 29.91 | 1.79 | 4.00 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 8.20 | 5:18:00 PM | 8.94 | 8.27 | 29.39 | 30.14 | 2.02 | 3.80 |
| WSR02 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:39:00 AM | 8.23 | 8.33 | 30.89 | 29.56 | 2.27 | 7.80 |
| WSR02 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:39:00 AM | 8.19 | 8.23 | 30.92 | 29.58 | 2.18 | 7.80 |
| WSR02 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 8:38:00 AM | 7.94 | 8.21 | 30.96 | 29.64 | 2.30 | 2.50 |
| WSR02 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 4.70 | 8:38:00 AM | 8.24 | 8.25 | 30.75 | 29.63 | 2.28 | 3.50 |
| WSR02 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 8:37:00 AM | 8.21 | 8.27 | 30.47 | 29.76 | 1.99 | 3.10 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 8.40 | 8:37:00 AM | 8.38 | 8.16 | 30.39 | 29.51 | 2.14 | 2.90 |
| WSR02 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:45:00 AM | 8.60 | 8.34 | 31.56 | 29.08 | 2.65 | 3.60 |
| WSR02 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:45:00 AM | 8.44 | 8.18 | 31.57 | 29.14 | 2.75 | 3.30 |
| WSR02 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 4.60 | 8:44:00 AM | 8.54 | 8.33 | 31.82 | 29.18 | 2.63 | 3.20 |
| WSR02 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 4.60 | 8:44:00 AM | 9.39 | 8.21 | 31.67 | 29.25 | 3.10 | 3.00 |
| WSR02 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 8.20 | 8:43:00 AM | 8.87 | 8.26 | 31.25 | 29.05 | 2.58 | 2.70 |
| WSR02 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 8.20 | 8:43:00 AM | 8.06 | 8.19 | 31.59 | 29.24 | 2.20 | 3.30 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:17:00 AM | 8.33 | 8.30 | 31.25 | 27.44 | 2.97 | 2.70 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:17:00 AM | 8.80 | 8.42 | 31.68 | 27.29 | 2.67 | 4.10 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 4.80 | 10:16:00 AM | 9.19 | 8.34 | 31.79 | 27.41 | 2.30 | 3.10 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 4.80 | 10:16:00 AM | 9.34 | 8.27 | 31.91 | 27.23 | 2.58 | 4.90 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 8.60 | 10:15:00 AM | 8.29 | 8.25 | 31.52 | 27.27 | 2.18 | 6.30 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 8.60 | 10:15:00 AM | 9.24 | 8.31 | 31.15 | 27.42 | 2.10 | 7.50 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:16:00 PM | 7.72 | 7.92 | 30.56 | 29.14 | 2.27 | 2.50 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:16:00 PM | 7.46 | 7.89 | 29.92 | 29.30 | 2.62 | 3.90 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 4.80 | 4:15:00 PM | 7.60 | 8.10 | 29.87 | 29.31 | 2.35 | 2.50 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 4.80 | 4:15:00 PM | 7.73 | 8.07 | 30.08 | 29.16 | 2.17 | 2.50 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 8.60 | 4:14:00 PM | 7.77 | 8.15 | 30.59 | 29.34 | 2.05 | 2.50 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 8.60 | 4:14:00 PM | 8.23 | 8.04 | 30.10 | 29.13 | 1.71 | 2.50 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:03:00 PM | 8.53 | 7.96 | 30.33 | 28.99 | 2.70 | 2.50 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:03:00 PM | 8.43 | 8.12 | 30.21 | 28.93 | 2.88 | 2.50 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 4.70 | 5:02:00 PM | 7.99 | 8.05 | 30.28 | 28.94 | 3.01 | 2.50 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 4.70 | 5:02:00 PM | 8.55 | 8.24 | 30.27 | 28.96 | 2.66 | 2.50 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 8.40 | 5:01:00 PM | 7.88 | 8.16 | 30.14 | 28.96 | 2.30 | 2.50 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 8.40 | 5:01:00 PM | 8.56 | 7.99 | 30.27 | 29.04 | 2.30 | 2.50 |
| WSR02 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:42:00 AM | 7.96 | 7.90 | 29.86 | 29.24 | 2.48 | 8.40 |
| WSR02 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:42:00 AM | 7.57 | 8.10 | 29.42 | 29.14 | 2.74 | 8.30 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 4.80 | 8:41:00 AM | 7.91 | 8.14 | 30.37 | 29.12 | 2.23 | 8.90 |
| WSR02 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 4.80 | 8:41:00 AM | 7.83 | 8.19 | 29.74 | 29.10 | 2.27 | 8.50 |
| WSR02 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 8.60 | 8:40:00 AM | 8.09 | 8.04 | 29.80 | 29.20 | 1.88 | 5.70 |
| WSR02 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 8.60 | 8:40:00 AM | 7.70 | 7.88 | 30.33 | 29.24 | 1.72 | 5.40 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:45:00 AM | 8.50 | 8.40 | 29.65 | 28.65 | 2.74 | 7.50 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:45:00 AM | 8.88 | 8.25 | 29.71 | 28.67 | 3.14 | 7.10 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 4.75 | 8:44:00 AM | 8.64 | 8.14 | 29.73 | 28.62 | 2.51 | 2.50 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 4.75 | 8:44:00 AM | 8.46 | 8.42 | 30.01 | 28.60 | 2.58 | 2.50 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 8.50 | 8:43:00 AM | 8.84 | 8.35 | 29.73 | 28.64 | 2.76 | 2.90 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 8.50 | 8:43:00 AM | 8.54 | 8.24 | 29.55 | 28.68 | 2.32 | 3.90 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:28:00 AM | 9.31 | 8.08 | 31.23 | 28.96 | 3.03 | 3.90 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:28:00 AM | 9.36 | 8.05 | 31.52 | 29.02 | 2.68 | 4.10 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 10:27:00 AM | 8.94 | 7.97 | 31.27 | 28.99 | 2.01 | 4.00 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 4.65 | 10:27:00 AM | 9.24 | 7.98 | 30.97 | 28.89 | 2.41 | 2.50 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 10:26:00 AM | 9.37 | 8.07 | 31.51 | 29.05 | 2.48 | 2.50 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 8.30 | 10:26:00 AM | 9.37 | 8.13 | 31.66 | 28.97 | 2.15 | 2.50 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:41:00 AM | 9.48 | 8.41 | 31.69 | 30.07 | 2.59 | 2.50 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:41:00 AM | 9.77 | 8.44 | 31.77 | 30.06 | 2.52 | 2.50 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 4.15 | 9:40:00 AM | 9.88 | 8.22 | 31.39 | 30.15 | 2.56 | 2.50 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 4.15 | 9:40:00 AM | 9.93 | 8.26 | 31.86 | 30.06 | 2.65 | 2.50 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 7.30 | 9:39:00 AM | 9.42 | 8.29 | 31.28 | 30.12 | 2.21 | 6.00 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 7.30 | 9:39:00 AM | 9.60 | 8.46 | 31.88 | 30.15 | 2.08 | 6.00 |
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:14:00 PM | 9.14 | 8.25 | 31.00 | 30.18 | 2.47 | 2.50 |
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:14:00 PM | 9.13 | 8.47 | 31.21 | 30.20 | 2.92 | 2.50 |
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 3.90 | 12:13:00 PM | 8.85 | 8.48 | 31.86 | 30.31 | 2.07 | 2.50 |
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 3.90 | 12:13:00 PM | 9.46 | 8.26 | 30.74 | 30.06 | 2.45 | 2.50 |
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 6.80 | 12:12:00 PM | 9.40 | 8.49 | 31.33 | 30.16 | 2.44 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 6.80 | 12:12:00 PM | 9.05 | 8.49 | 30.71 | 30.34 | 2.28 | 2.50 |
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:21:00 PM | 9.69 | 8.39 | 30.71 | 29.67 | 2.50 | 4.80 |
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:21:00 PM | 9.11 | 8.32 | 30.98 | 29.64 | 2.47 | 13.10 |
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 3.95 | 4:20:00 PM | 9.91 | 8.28 | 30.86 | 29.73 | 2.55 | 8.10 |
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 3.95 | 4:20:00 PM | 9.70 | 8.48 | 31.03 | 29.85 | 2.17 | 7.90 |
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 6.90 | 4:19:00 PM | 9.04 | 8.30 | 30.81 | 29.67 | 2.04 | 6.30 |
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 6.90 | 4:19:00 PM | 9.61 | 8.47 | 30.61 | 29.81 | 1.89 | 4.70 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:22:00 PM | 8.70 | 8.14 | 31.15 | 29.87 | 2.35 | 2.50 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:22:00 PM | 7.99 | 8.14 | 30.97 | 30.00 | 2.64 | 2.50 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 3.95 | 4:21:00 PM | 9.14 | 8.28 | 30.84 | 29.84 | 2.48 | 2.50 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 3.95 | 4:21:00 PM | 8.45 | 8.24 | 31.21 | 29.98 | 2.12 | 2.50 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 6.90 | 4:20:00 PM | 8.41 | 8.22 | 31.42 | 29.93 | 1.79 | 2.50 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 6.90 | 4:20:00 PM | 9.14 | 8.17 | 31.38 | 29.86 | 1.94 | 2.50 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:26:00 PM | 7.96 | 8.47 | 29.54 | 30.07 | 2.53 | 3.80 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:26:00 PM | 8.20 | 8.30 | 29.67 | 29.98 | 2.14 | 4.30 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 4.00 | 5:25:00 PM | 8.65 | 8.30 | 29.36 | 30.08 | 1.91 | 3.60 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 4.00 | 5:25:00 PM | 7.82 | 8.30 | 29.46 | 30.04 | 2.16 | 4.90 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 7.00 | 5:24:00 PM | 8.77 | 8.37 | 29.27 | 29.89 | 1.99 | 3.80 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 7.00 | 5:24:00 PM | 7.60 | 8.29 | 29.39 | 29.87 | 2.33 | 2.50 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:49:00 AM | 7.65 | 8.23 | 30.41 | 29.59 | 2.52 | 2.50 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:49:00 AM | 8.09 | 8.21 | 30.77 | 29.67 | 2.23 | 3.30 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 4.15 | 8:48:00 AM | 7.92 | 8.24 | 30.62 | 29.57 | 2.27 | 2.50 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 4.15 | 8:48:00 AM | 7.99 | 8.28 | 30.52 | 29.51 | 2.06 | 2.50 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 7.30 | 8:47:00 AM | 7.51 | 8.16 | 30.58 | 29.65 | 2.16 | 7.10 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 7.30 | 8:47:00 AM | 7.48 | 8.27 | 30.72 | 29.65 | 2.15 | 7.10 |
| WSR03 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:59:00 AM | 9.20 | 8.39 | 31.25 | 29.17 | 2.74 | 3.00 |
| WSR03 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:59:00 AM | 9.03 | 8.31 | 31.60 | 29.28 | 2.65 | 2.60 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 3.85 | 8:58:00 AM | 7.94 | 8.22 | 31.90 | 29.20 | 2.94 | 8.10 |
| WSR03 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 3.85 | 8:58:00 AM | 9.45 | 8.22 | 31.87 | 29.21 | 2.66 | 8.10 |
| WSR03 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 6.70 | 8:57:00 AM | 8.55 | 8.33 | 31.70 | 29.17 | 2.91 | 3.50 |
| WSR03 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 6.70 | 8:57:00 AM | 8.41 | 8.24 | 31.78 | 29.19 | 2.52 | 3.80 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:31:00 AM | 8.94 | 8.35 | 31.30 | 27.22 | 2.79 | 11.00 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:31:00 AM | 8.33 | 8.20 | 31.45 | 27.37 | 2.55 | 11.00 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 3.95 | 10:30:00 AM | 9.02 | 8.32 | 31.16 | 27.23 | 2.31 | 24.10 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 3.95 | 10:30:00 AM | 9.22 | 8.25 | 31.27 | 27.24 | 2.58 | 24.10 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 6.90 | 10:29:00 AM | 8.41 | 8.20 | 31.57 | 27.28 | 2.52 | 7.90 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 6.90 | 10:29:00 AM | 8.93 | 8.29 | 31.25 | 27.36 | 2.50 | 7.90 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:32:00 PM | 8.19 | 8.08 | 29.96 | 29.12 | 2.01 | 2.50 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:32:00 PM | 7.46 | 8.04 | 30.30 | 29.32 | 2.17 | 2.50 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 4.20 | 4:31:00 PM | 7.81 | 7.99 | 30.47 | 29.33 | 1.99 | 2.50 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 4.20 | 4:31:00 PM | 7.67 | 8.03 | 30.62 | 29.25 | 1.71 | 2.50 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 7.40 | 4:30:00 PM | 7.48 | 8.16 | 29.94 | 29.26 | 1.80 | 2.50 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 7.40 | 4:30:00 PM | 7.78 | 7.97 | 30.43 | 29.26 | 1.53 | 2.50 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:15:00 PM | 7.62 | 7.92 | 30.03 | 29.08 | 3.15 | 2.50 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:15:00 PM | 7.82 | 8.00 | 30.02 | 28.92 | 3.47 | 2.50 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 5:14:00 PM | 7.76 | 7.96 | 29.89 | 28.95 | 2.91 | 2.50 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 5:14:00 PM | 7.91 | 8.12 | 30.23 | 29.05 | 2.54 | 2.50 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 5:13:00 PM | 7.39 | 8.10 | 30.35 | 28.96 | 2.61 | 2.50 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 5:13:00 PM | 7.65 | 8.09 | 30.38 | 28.94 | 3.03 | 2.50 |
| WSR03 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:53:00 AM | 7.76 | 8.12 | 29.71 | 29.16 | 2.99 | 3.50 |
| WSR03 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:53:00 AM | 7.53 | 8.00 | 29.87 | 29.51 | 3.14 | 2.70 |
| WSR03 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 4.15 | 8:52:00 AM | 7.70 | 7.96 | 29.99 | 29.23 | 2.55 | 9.20 |
| WSR03 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 4.15 | 8:52:00 AM | 7.78 | 7.94 | 29.69 | 29.22 | 2.16 | 9.80 |
| WSR03 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 7.30 | 8:51:00 AM | 7.66 | 8.14 | 30.01 | 29.22 | 2.19 | 3.00 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 7.30 | 8:51:00 AM | 7.57 | 8.11 | 29.89 | 29.27 | 1.86 | 2.50 |
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:59:00 AM | 8.84 | 8.21 | 29.63 | 28.71 | 2.72 | 7.40 |
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 8:59:00 AM | 8.40 | 8.19 | 29.92 | 28.70 | 2.87 | 7.20 |
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 3.75 | 8:58:00 AM | 8.73 | 8.26 | 29.78 | 28.76 | 2.77 | 2.70 |
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 3.75 | 8:58:00 AM | 8.85 | 8.27 | 29.92 | 28.70 | 3.02 | 2.90 |
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 6.50 | 8:57:00 AM | 8.38 | 8.28 | 29.59 | 28.57 | 2.34 | 2.50 |
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 6.50 | 8:57:00 AM | 8.46 | 8.24 | 29.80 | 28.59 | 2.41 | 2.50 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:41:00 AM | 8.87 | 8.17 | 31.68 | 29.06 | 2.56 | 3.00 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:41:00 AM | 8.87 | 8.07 | 31.87 | 29.05 | 2.94 | 2.50 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 4.25 | 10:40:00 AM | 9.25 | 7.93 | 31.99 | 28.87 | 2.22 | 2.50 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 4.25 | 10:40:00 AM | 9.43 | 8.05 | 31.22 | 28.92 | 2.28 | 2.50 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 7.50 | 10:39:00 AM | 9.13 | 8.14 | 31.58 | 28.91 | 2.20 | 7.80 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 7.50 | 10:39:00 AM | 8.93 | 8.10 | 31.92 | 28.92 | 2.48 | 7.60 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:57:00 AM | 9.21 | 8.26 | 31.82 | 30.08 | 2.74 | 2.50 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:57:00 AM | 9.80 | 8.41 | 31.09 | 30.20 | 2.64 | 2.50 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 3.90 | 9:56:00 AM | 9.85 | 8.26 | 31.66 | 30.15 | 2.19 | 2.70 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 3.90 | 9:56:00 AM | 9.89 | 8.25 | 31.41 | 30.18 | 2.18 | 4.10 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 6.80 | 9:55:00 AM | 9.94 | 8.33 | 31.17 | 30.06 | 2.21 | 2.50 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 6.80 | 9:55:00 AM | 9.23 | 8.21 | 31.79 | 30.25 | 2.18 | 2.50 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:26:00 PM | 9.02 | 8.29 | 30.83 | 30.26 | 2.80 | 2.50 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:26:00 PM | 8.62 | 8.43 | 30.69 | 30.28 | 3.15 | 2.50 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 3.55 | 12:25:00 PM | 8.81 | 8.18 | 30.63 | 30.27 | 2.10 | 2.50 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 3.55 | 12:25:00 PM | 9.29 | 8.40 | 31.00 | 30.35 | 2.07 | 2.50 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 6.10 | 12:24:00 PM | 9.73 | 8.24 | 30.74 | 30.06 | 2.37 | 2.50 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 6.10 | 12:24:00 PM | 8.92 | 8.30 | 31.20 | 30.27 | 2.03 | 2.50 |
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:37:00 PM | 9.76 | 8.33 | 30.92 | 29.76 | 2.69 | 5.60 |
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:37:00 PM | 9.69 | 8.44 | 30.95 | 29.69 | 3.10 | 7.00 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 3.70 | 4:36:00 PM | 9.20 | 8.51 | 31.10 | 29.79 | 2.47 | 6.00 |
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 3.70 | 4:36:00 PM | 9.59 | 8.48 | 30.89 | 29.80 | 2.61 | 4.20 |
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 6.40 | 4:35:00 PM | 9.06 | 8.51 | 30.80 | 29.89 | 2.17 | 5.00 |
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 6.40 | 4:35:00 PM | 9.37 | 8.30 | 30.77 | 29.68 | 2.34 | 6.40 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:34:00 PM | 9.24 | 8.12 | 31.42 | 29.87 | 2.70 | 2.50 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:34:00 PM | 8.45 | 8.32 | 30.92 | 29.84 | 2.72 | 2.50 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 3.75 | 4:33:00 PM | 8.96 | 8.12 | 31.34 | 29.89 | 2.36 | 2.50 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 3.75 | 4:33:00 PM | 8.17 | 8.27 | 30.84 | 30.01 | 1.99 | 2.50 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 6.50 | 4:32:00 PM | 7.95 | 8.33 | 31.49 | 29.90 | 1.69 | 2.50 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 6.50 | 4:32:00 PM | 8.81 | 8.19 | 31.36 | 29.85 | 1.73 | 2.50 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:37:00 PM | 7.87 | 8.46 | 29.44 | 29.90 | 2.59 | 4.40 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:37:00 PM | 8.40 | 8.44 | 29.30 | 30.01 | 2.41 | 3.90 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 3.55 | 5:36:00 PM | 8.99 | 8.30 | 29.42 | 30.06 | 2.26 | 4.40 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 3.55 | 5:36:00 PM | 7.84 | 8.46 | 29.32 | 30.04 | 2.29 | 4.40 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 6.10 | 5:35:00 PM | 7.69 | 8.39 | 29.40 | 29.97 | 2.31 | 3.10 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 6.10 | 5:35:00 PM | 7.76 | 8.36 | 29.78 | 29.85 | 2.11 | 3.30 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:59:00 AM | 7.65 | 8.27 | 30.88 | 29.78 | 2.53 | 7.50 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 8:59:00 AM | 7.57 | 8.30 | 30.55 | 29.92 | 2.27 | 7.50 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 3.85 | 8:58:00 AM | 8.25 | 8.34 | 30.46 | 29.81 | 1.81 | 2.60 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 3.85 | 8:58:00 AM | 8.04 | 8.27 | 30.81 | 29.71 | 1.84 | 3.70 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 6.70 | 8:57:00 AM | 7.62 | 8.17 | 30.82 | 29.67 | 2.08 | 4.40 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 6.70 | 8:57:00 AM | 7.71 | 8.25 | 30.47 | 29.76 | 2.13 | 2.50 |
| WSR04 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:12:00 AM | 8.59 | 8.17 | 31.30 | 29.32 | 2.80 | 3.30 |
| WSR04 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:12:00 AM | 8.32 | 8.27 | 31.39 | 29.42 | 2.70 | 2.80 |
| WSR04 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 3.35 | 9:11:00 AM | 9.76 | 8.34 | 31.59 | 29.42 | 2.62 | 2.80 |
| WSR04 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 3.35 | 9:11:00 AM | 9.40 | 8.23 | 32.04 | 29.36 | 2.64 | 3.70 |
| WSR04 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 5.70 | 9:10:00 AM | 9.14 | 8.34 | 31.39 | 29.33 | 2.24 | 3.30 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 5.70 | 9:10:00 AM | 7.71 | 8.38 | 31.54 | 29.28 | 2.46 | 2.90 |
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:44:00 AM | 9.49 | 8.38 | 31.88 | 27.58 | 2.86 | 3.40 |
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:44:00 AM | 8.61 | 8.39 | 31.15 | 27.36 | 2.99 | 4.70 |
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 3.45 | 10:43:00 AM | 8.51 | 8.20 | 31.64 | 27.50 | 2.38 | 5.20 |
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 3.45 | 10:43:00 AM | 9.32 | 8.24 | 31.71 | 27.50 | 2.78 | 3.10 |
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 5.90 | 10:42:00 AM | 9.12 | 8.21 | 31.78 | 27.46 | 1.88 | 3.20 |
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 5.90 | 10:42:00 AM | 8.69 | 8.36 | 31.26 | 27.35 | 1.96 | 5.10 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:46:00 PM | 8.24 | 7.96 | 30.83 | 29.19 | 2.19 | 2.50 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:46:00 PM | 8.25 | 8.09 | 30.10 | 29.22 | 2.55 | 2.50 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 3.45 | 4:45:00 PM | 7.59 | 7.98 | 29.91 | 29.19 | 1.87 | 2.50 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 3.45 | 4:45:00 PM | 7.69 | 7.95 | 30.64 | 29.24 | 2.21 | 2.50 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 5.90 | 4:44:00 PM | 7.90 | 8.04 | 30.54 | 29.17 | 1.89 | 2.50 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 5.90 | 4:44:00 PM | 7.28 | 7.89 | 30.21 | 29.14 | 2.09 | 2.50 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:26:00 PM | 7.90 | 8.12 | 29.88 | 28.99 | 3.00 | 2.50 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:26:00 PM | 8.57 | 8.07 | 30.03 | 28.90 | 2.70 | 3.30 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 3.90 | 5:25:00 PM | 8.23 | 8.09 | 30.18 | 28.82 | 3.25 | 2.50 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 3.90 | 5:25:00 PM | 8.15 | 7.99 | 30.13 | 29.00 | 3.08 | 2.50 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 6.80 | 5:24:00 PM | 8.20 | 8.14 | 30.10 | 28.82 | 2.44 | 2.50 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 6.80 | 5:24:00 PM | 8.02 | 7.91 | 30.37 | 28.88 | 2.78 | 2.50 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:04:00 AM | 7.54 | 7.95 | 30.48 | 29.30 | 3.17 | 4.10 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:04:00 AM | 8.05 | 8.08 | 30.36 | 29.35 | 3.24 | 3.60 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 3.50 | 9:03:00 AM | 7.93 | 7.94 | 30.64 | 29.49 | 2.42 | 3.10 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 3.50 | 9:03:00 AM | 7.43 | 8.27 | 30.68 | 29.33 | 2.66 | 2.80 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 6.00 | 9:02:00 AM | 7.83 | 8.21 | 29.62 | 29.35 | 2.17 | 3.30 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 6.00 | 9:02:00 AM | 7.87 | 7.98 | 30.03 | 29.36 | 2.05 | 3.90 |
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:12:00 AM | 8.87 | 8.24 | 30.14 | 28.79 | 2.81 | 2.50 |
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:12:00 AM | 9.05 | 8.13 | 29.80 | 28.73 | 3.00 | 3.20 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 9:11:00 AM | 8.85 | 8.26 | 29.80 | 28.79 | 3.16 | 3.00 |
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 9:11:00 AM | 8.34 | 8.28 | 29.71 | 28.77 | 3.02 | 2.50 |
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 9:10:00 AM | 8.53 | 8.00 | 29.97 | 28.70 | 2.54 | 6.70 |
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 9:10:00 AM | 8.99 | 8.24 | 29.92 | 28.74 | 2.18 | 6.90 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:53:00 AM | 9.39 | 8.04 | 30.65 | 29.11 | 2.49 | 2.50 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:53:00 AM | 9.20 | 8.08 | 31.11 | 29.17 | 2.78 | 2.50 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 3.45 | 10:52:00 AM | 8.96 | 8.02 | 30.60 | 29.10 | 2.68 | 2.50 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 3.45 | 10:52:00 AM | 9.14 | 8.09 | 31.01 | 29.02 | 2.80 | 2.50 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 5.90 | 10:51:00 AM | 9.40 | 8.12 | 30.55 | 29.04 | 2.59 | 2.50 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 5.90 | 10:51:00 AM | 8.99 | 7.96 | 30.41 | 29.15 | 2.61 | 2.50 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:09:00 AM | 9.66 | 8.41 | 31.45 | 30.28 | 2.33 | 2.50 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:09:00 AM | 9.17 | 8.47 | 31.44 | 30.20 | 2.48 | 2.50 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 8.60 | 11:08:00 AM | 10.03 | 8.23 | 31.77 | 30.18 | 2.28 | 2.50 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 8.60 | 11:08:00 AM | 9.15 | 8.47 | 31.48 | 30.22 | 2.38 | 2.50 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 16.20 | 11:07:00 AM | 9.56 | 8.41 | 31.39 | 30.25 | 2.60 | 2.50 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 16.20 | 11:07:00 AM | 9.37 | 8.41 | 31.10 | 30.44 | 2.53 | 4.70 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 1:25:00 PM | 9.76 | 8.26 | 31.19 | 30.39 | 2.76 | 2.50 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 1:25:00 PM | 9.61 | 8.38 | 30.70 | 30.27 | 3.07 | 2.50 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 8.60 | 1:24:00 PM | 8.42 | 8.24 | 30.83 | 30.30 | 2.36 | 2.50 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 8.60 | 1:24:00 PM | 9.60 | 8.28 | 31.22 | 30.36 | 2.18 | 2.50 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 16.20 | 1:23:00 PM | 9.41 | 8.30 | 31.54 | 30.28 | 2.07 | 2.50 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 16.20 | 1:23:00 PM | 8.47 | 8.31 | 30.89 | 30.41 | 2.48 | 2.50 |
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:45:00 PM | 9.73 | 8.34 | 30.94 | 29.47 | 2.54 | 9.70 |
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:45:00 PM | 9.36 | 8.35 | 30.82 | 29.67 | 3.04 | 9.70 |
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 8.45 | 5:44:00 PM | 9.63 | 8.40 | 30.52 | 29.64 | 2.72 | 6.20 |
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 8.45 | 5:44:00 PM | 9.66 | 8.39 | 30.68 | 29.70 | 2.41 | 5.10 |
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 15.90 | 5:43:00 PM | 9.26 | 8.32 | 30.50 | 29.81 | 2.61 | 7.00 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 15.90 | 5:43:00 PM | 9.41 | 8.51 | 30.86 | 29.66 | 2.35 | 7.50 |
| WSR16 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:43:00 PM | 8.83 | 8.37 | 30.83 | 29.76 | 2.18 | 2.50 |
| WSR16 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:43:00 PM | 8.86 | 8.27 | 31.40 | 29.85 | 2.34 | 2.50 |
| WSR16 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 8.15 | 5:42:00 PM | 9.34 | 8.36 | 30.96 | 29.74 | 2.15 | 2.50 |
| WSR16 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 8.15 | 5:42:00 PM | 9.22 | 8.12 | 30.97 | 29.79 | 2.56 | 2.50 |
| WSR16 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 15.30 | 5:41:00 PM | 8.57 | 8.12 | 31.44 | 29.88 | 1.97 | 2.50 |
| WSR16 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 15.30 | 5:41:00 PM | 9.20 | 8.34 | 31.49 | 29.74 | 2.22 | 2.60 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:31:00 PM | 7.50 | 8.32 | 29.66 | 29.69 | 2.69 | 3.40 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:31:00 PM | 7.62 | 8.27 | 29.59 | 29.83 | 2.31 | 2.50 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 7.90 | 6:30:00 PM | 8.52 | 8.31 | 29.68 | 29.71 | 2.68 | 2.60 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 7.90 | 6:30:00 PM | 8.86 | 8.33 | 29.21 | 29.82 | 2.62 | 3.70 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 14.80 | 6:29:00 PM | 8.52 | 8.28 | 29.92 | 29.76 | 2.05 | 4.50 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 14.80 | 6:29:00 PM | 7.86 | 8.36 | 29.10 | 29.61 | 2.41 | 2.50 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:05:00 AM | 8.38 | 8.29 | 30.80 | 29.86 | 2.34 | 7.40 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:05:00 AM | 7.63 | 8.32 | 30.44 | 29.84 | 2.50 | 7.40 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 8.15 | 10:04:00 AM | 7.58 | 8.27 | 30.42 | 29.91 | 2.14 | 8.30 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 8.15 | 10:04:00 AM | 8.06 | 8.20 | 30.44 | 30.03 | 2.12 | 8.30 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 15.30 | 10:03:00 AM | 8.06 | 8.21 | 30.64 | 30.05 | 1.82 | 2.50 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 15.30 | 10:03:00 AM | 7.99 | 8.36 | 30.93 | 29.83 | 1.88 | 2.60 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:21:00 AM | 7.89 | 8.08 | 31.70 | 29.92 | 2.57 | 14.50 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:21:00 AM | 7.70 | 8.22 | 31.32 | 29.80 | 2.81 | 11.80 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 8.10 | 10:20:00 AM | 8.43 | 8.23 | 31.93 | 29.77 | 2.39 | 6.80 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 8.10 | 10:20:00 AM | 7.55 | 8.06 | 31.32 | 29.78 | 2.84 | 4.80 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 15.20 | 10:19:00 AM | 8.28 | 8.12 | 31.92 | 29.94 | 2.45 | 2.50 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 15.20 | 10:19:00 AM | 8.49 | 8.18 | 31.82 | 29.83 | 2.67 | 3.40 |
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:48:00 AM | 9.07 | 8.32 | 31.31 | 27.48 | 2.66 | 2.50 |
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:48:00 AM | 8.84 | 8.34 | 31.28 | 27.60 | 2.33 | 3.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 8.20 | 11:47:00 AM | 8.98 | 8.38 | 31.63 | 27.63 | 2.16 | 8.30 |
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 8.20 | 11:47:00 AM | 8.79 | 8.45 | 31.28 | 27.49 | 2.42 | 8.30 |
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 15.40 | 11:46:00 AM | 8.97 | 8.20 | 31.44 | 27.73 | 2.49 | 6.30 |
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 15.40 | 11:46:00 AM | 9.19 | 8.38 | 31.90 | 27.53 | 2.58 | 6.30 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:58:00 PM | 7.67 | 8.18 | 30.84 | 29.01 | 3.12 | 2.50 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:58:00 PM | 8.30 | 8.10 | 29.94 | 29.02 | 2.90 | 2.50 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 8.15 | 5:57:00 PM | 7.36 | 8.02 | 29.89 | 29.02 | 2.94 | 2.50 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 8.15 | 5:57:00 PM | 7.95 | 7.97 | 30.58 | 29.05 | 3.14 | 2.50 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 15.30 | 5:56:00 PM | 8.31 | 8.03 | 30.50 | 29.10 | 3.00 | 2.50 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 15.30 | 5:56:00 PM | 7.96 | 8.14 | 29.93 | 29.09 | 3.15 | 2.50 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:24:00 PM | 7.30 | 8.14 | 30.11 | 28.65 | 3.12 | 2.50 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:24:00 PM | 7.95 | 8.01 | 29.87 | 28.73 | 3.08 | 2.50 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 8.20 | 6:23:00 PM | 7.87 | 8.24 | 30.18 | 28.78 | 2.75 | 2.50 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 8.20 | 6:23:00 PM | 8.11 | 8.16 | 30.04 | 28.62 | 2.71 | 2.50 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 15.40 | 6:22:00 PM | 8.07 | 8.08 | 29.99 | 28.74 | 2.95 | 4.10 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 15.40 | 6:22:00 PM | 8.17 | 8.17 | 29.88 | 28.69 | 2.81 | 4.10 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:07:00 AM | 7.39 | 8.23 | 30.08 | 29.62 | 3.22 | 4.10 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 10:07:00 AM | 7.54 | 8.00 | 29.78 | 29.72 | 2.81 | 3.10 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 8.00 | 10:06:00 AM | 8.18 | 8.12 | 29.56 | 29.59 | 3.29 | 3.80 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 8.00 | 10:06:00 AM | 7.40 | 7.99 | 30.19 | 29.48 | 3.14 | 4.20 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 15.00 | 10:05:00 AM | 8.45 | 7.98 | 30.24 | 29.48 | 2.88 | 3.30 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 15.00 | 10:05:00 AM | 8.43 | 7.97 | 30.09 | 29.60 | 2.45 | 3.40 |
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:16:00 AM | 8.69 | 8.34 | 29.69 | 28.98 | 4.13 | 2.50 |
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:16:00 AM | 7.98 | 8.19 | 29.65 | 28.98 | 4.51 | 2.50 |
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 7.90 | 10:15:00 AM | 8.25 | 8.16 | 29.40 | 29.02 | 4.26 | 2.50 |
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 7.90 | 10:15:00 AM | 8.46 | 8.36 | 29.46 | 28.93 | 4.02 | 3.90 |
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 14.80 | 10:14:00 AM | 8.65 | 8.22 | 29.44 | 29.02 | 3.73 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 14.80 | 10:14:00 AM | 8.22 | 8.30 | 29.42 | 29.06 | 3.90 | 2.50 |
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:00:00 PM | 9.16 | 7.93 | 31.03 | 29.01 | 2.49 | 2.50 |
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:00:00 PM | 9.20 | 8.10 | 30.46 | 29.01 | 2.31 | 2.70 |
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 8.00 | 11:59:00 AM | 9.33 | 8.11 | 30.47 | 29.13 | 2.70 | 7.10 |
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 8.00 | 11:59:00 AM | 9.15 | 7.95 | 30.61 | 29.09 | 2.60 | 6.90 |
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 15.00 | 11:58:00 AM | 9.49 | 8.10 | 30.65 | 29.22 | 2.48 | 2.50 |
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 15.00 | 11:58:00 AM | 9.11 | 7.99 | 30.68 | 29.17 | 2.16 | 2.50 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:12:00 AM | 9.11 | 8.23 | 31.29 | 30.15 | 2.47 | 2.50 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:12:00 AM | 9.55 | 8.22 | 31.55 | 30.25 | 2.49 | 2.50 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 3.70 | 10:11:00 AM | 9.54 | 8.28 | 31.11 | 30.12 | 2.80 | 2.50 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 3.70 | 10:11:00 AM | 9.15 | 8.39 | 31.81 | 30.06 | 2.65 | 2.70 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 6.40 | 10:10:00 AM | 9.41 | 8.41 | 31.23 | 30.11 | 2.47 | 6.70 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 6.40 | 10:10:00 AM | 9.99 | 8.44 | 31.81 | 30.08 | 2.49 | 4.20 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:39:00 PM | 8.92 | 8.43 | 31.61 | 30.11 | 2.64 | 2.50 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:39:00 PM | 8.56 | 8.20 | 31.53 | 30.14 | 3.06 | 2.50 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 12:38:00 PM | 8.56 | 8.40 | 31.56 | 30.10 | 2.33 | 2.50 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 12:38:00 PM | 9.59 | 8.20 | 30.95 | 30.22 | 2.25 | 2.50 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 12:37:00 PM | 9.55 | 8.20 | 30.82 | 30.22 | 2.06 | 2.50 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 12:37:00 PM | 9.74 | 8.48 | 31.57 | 30.20 | 2.41 | 2.50 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:51:00 PM | 9.54 | 8.29 | 30.74 | 29.63 | 2.86 | 6.80 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 4:51:00 PM | 8.98 | 8.41 | 30.87 | 29.81 | 2.40 | 6.40 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 3.65 | 4:50:00 PM | 9.80 | 8.50 | 30.84 | 29.88 | 2.42 | 7.60 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 3.65 | 4:50:00 PM | 9.68 | 8.50 | 30.66 | 29.84 | 2.62 | 7.40 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 6.30 | 4:49:00 PM | 9.30 | 8.38 | 30.79 | 29.70 | 2.46 | 7.20 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 6.30 | 4:49:00 PM | 9.51 | 8.41 | 30.78 | 29.76 | 2.27 | 7.60 |
| WSR33 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:51:00 PM | 8.60 | 8.31 | 30.97 | 29.88 | 2.12 | 4.30 |
| WSR33 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 4:51:00 PM | 9.36 | 8.28 | 31.46 | 29.82 | 1.83 | 2.90 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 3.75 | 4:50:00 PM | 9.25 | 8.21 | 31.20 | 29.88 | 1.89 | 2.50 |
| WSR33 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 3.75 | 4:50:00 PM | 8.71 | 8.23 | 30.70 | 29.85 | 2.07 | 2.50 |
| WSR33 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 6.50 | 4:49:00 PM | 8.00 | 8.31 | 30.72 | 29.80 | 2.25 | 2.50 |
| WSR33 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 6.50 | 4:49:00 PM | 8.03 | 8.19 | 30.74 | 29.93 | 2.46 | 2.50 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:50:00 PM | 8.69 | 8.32 | 29.33 | 29.81 | 2.77 | 2.50 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:50:00 PM | 8.70 | 8.47 | 29.09 | 29.99 | 2.36 | 2.50 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 3.50 | 5:49:00 PM | 8.68 | 8.43 | 29.60 | 29.81 | 2.34 | 2.50 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 3.50 | 5:49:00 PM | 8.18 | 8.26 | 29.68 | 29.96 | 2.59 | 3.80 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 6.00 | 5:48:00 PM | 8.75 | 8.36 | 29.09 | 29.98 | 1.85 | 3.00 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 6.00 | 5:48:00 PM | 7.71 | 8.45 | 29.45 | 29.97 | 2.04 | 4.00 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:52:00 AM | 8.01 | 8.26 | 30.67 | 30.02 | 2.61 | 3.70 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:52:00 AM | 7.83 | 8.37 | 31.02 | 29.75 | 2.40 | 2.50 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 3.80 | 9:51:00 AM | 8.06 | 8.28 | 30.77 | 30.01 | 2.21 | 2.80 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 3.80 | 9:51:00 AM | 7.52 | 8.36 | 30.42 | 29.77 | 1.97 | 5.00 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 6.60 | 9:50:00 AM | 8.39 | 8.20 | 31.00 | 29.71 | 2.08 | 8.20 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 6.60 | 9:50:00 AM | 8.08 | 8.25 | 30.49 | 29.89 | 1.96 | 8.20 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:27:00 AM | 8.79 | 8.16 | 31.20 | 29.46 | 3.05 | 3.40 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:27:00 AM | 8.05 | 8.20 | 31.87 | 29.37 | 3.04 | 3.40 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 3.75 | 9:26:00 AM | 7.67 | 8.18 | 31.31 | 29.57 | 2.72 | 4.00 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 3.75 | 9:26:00 AM | 9.47 | 8.20 | 31.72 | 29.58 | 2.98 | 3.10 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 6.50 | 9:25:00 AM | 8.80 | 8.36 | 31.34 | 29.45 | 2.19 | 9.30 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 6.50 | 9:25:00 AM | 9.58 | 8.34 | 31.39 | 29.47 | 2.56 | 9.30 |
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:59:00 AM | 8.60 | 8.25 | 31.68 | 27.36 | 2.37 | 3.50 |
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:59:00 AM | 8.75 | 8.32 | 31.64 | 27.50 | 2.61 | 3.50 |
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 3.55 | 10:58:00 AM | 8.38 | 8.21 | 31.63 | 27.35 | 2.71 | 3.70 |
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 3.55 | 10:58:00 AM | 8.51 | 8.26 | 31.21 | 27.44 | 2.47 | 4.50 |
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 6.10 | 10:57:00 AM | 9.38 | 8.44 | 31.11 | 27.44 | 2.16 | 7.40 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 6.10 | 10:57:00 AM | 8.77 | 8.46 | 31.15 | 27.39 | 2.59 | 7.40 |
| WSR33 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:03:00 PM | 7.93 | 7.91 | 30.64 | 29.05 | 2.26 | 2.50 |
| WSR33 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:03:00 PM | 7.50 | 7.99 | 30.85 | 29.13 | 2.71 | 2.50 |
| WSR33 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 3.65 | 5:02:00 PM | 8.04 | 8.14 | 30.42 | 29.20 | 2.19 | 2.50 |
| WSR33 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 3.65 | 5:02:00 PM | 7.56 | 7.96 | 30.35 | 29.12 | 1.87 | 3.70 |
| WSR33 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 6.30 | 5:01:00 PM | 7.63 | 7.98 | 30.25 | 29.15 | 1.70 | 2.50 |
| WSR33 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 6.30 | 5:01:00 PM | 7.36 | 7.90 | 30.40 | 29.18 | 1.46 | 2.50 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:38:00 PM | 8.49 | 8.11 | 29.99 | 28.83 | 3.11 | 2.60 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:38:00 PM | 8.25 | 7.99 | 30.41 | 28.90 | 3.17 | 2.50 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 5:37:00 PM | 7.72 | 8.23 | 30.30 | 28.97 | 2.48 | 2.50 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 5:37:00 PM | 8.41 | 8.03 | 30.20 | 28.86 | 2.75 | 2.50 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 5:36:00 PM | 7.97 | 8.24 | 30.21 | 28.83 | 2.40 | 3.40 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 5:36:00 PM | 7.44 | 8.03 | 29.82 | 28.86 | 2.02 | 2.50 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:19:00 AM | 8.34 | 8.24 | 31.06 | 29.37 | 2.91 | 3.10 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:19:00 AM | 7.77 | 8.19 | 30.11 | 29.32 | 2.59 | 4.70 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 3.70 | 9:18:00 AM | 8.36 | 8.23 | 30.95 | 29.41 | 2.35 | 3.30 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 3.70 | 9:18:00 AM | 8.26 | 8.41 | 30.52 | 29.31 | 2.03 | 3.30 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 6.40 | 9:17:00 AM | 7.82 | 8.26 | 30.69 | 29.46 | 2.12 | 9.50 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 6.40 | 9:17:00 AM | 7.60 | 8.24 | 30.72 | 29.42 | 2.15 | 9.10 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:26:00 AM | 8.24 | 8.14 | 29.95 | 28.75 | 3.17 | 5.20 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:26:00 AM | 9.28 | 8.05 | 29.85 | 28.81 | 2.68 | 5.40 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 3.60 | 9:25:00 AM | 8.53 | 8.19 | 30.05 | 28.74 | 2.79 | 2.50 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 3.60 | 9:25:00 AM | 9.04 | 8.12 | 29.87 | 28.85 | 2.73 | 2.50 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 6.20 | 9:24:00 AM | 8.57 | 8.03 | 30.01 | 28.87 | 2.65 | 2.50 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 6.20 | 9:24:00 AM | 8.47 | 8.28 | 30.04 | 28.79 | 2.74 | 3.10 |
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:06:00 AM | 9.56 | 8.00 | 30.79 | 29.05 | 3.11 | 5.80 |
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:06:00 AM | 9.36 | 8.00 | 30.66 | 29.08 | 2.70 | 5.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 3.60 | 11:05:00 AM | 9.29 | 8.14 | 30.35 | 29.14 | 2.19 | 2.50 |
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 3.60 | 11:05:00 AM | 9.35 | 7.94 | 30.67 | 29.06 | 2.50 | 2.50 |
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 6.20 | 11:04:00 AM | 9.79 | 8.08 | 31.12 | 29.04 | 2.37 | 3.50 |
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 6.20 | 11:04:00 AM | 9.67 | 8.04 | 30.61 | 29.03 | 2.20 | 4.10 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:28:00 AM | 9.22 | 8.44 | 31.13 | 30.32 | 2.77 | 2.50 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:28:00 AM | 9.31 | 8.44 | 31.38 | 30.27 | 2.42 | 2.50 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 3.55 | 10:28:00 AM | 9.29 | 8.41 | 31.57 | 30.19 | 2.33 | 2.50 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 3.55 | 10:28:00 AM | 9.69 | 8.46 | 31.19 | 30.20 | 2.54 | 2.50 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 6.10 | 10:27:00 AM | 10.13 | 8.27 | 31.88 | 30.25 | 1.98 | 2.50 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 6.10 | 10:27:00 AM | 9.67 | 8.38 | 31.75 | 30.35 | 2.15 | 2.50 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:51:00 PM | 9.42 | 8.47 | 31.50 | 30.23 | 2.85 | 2.50 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 12:51:00 PM | 8.57 | 8.22 | 31.81 | 30.12 | 2.51 | 2.50 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 3.45 | 12:51:00 PM | 8.43 | 8.31 | 31.57 | 30.31 | 2.29 | 2.50 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 3.45 | 12:51:00 PM | 9.43 | 8.24 | 31.39 | 30.36 | 2.65 | 2.50 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 5.90 | 12:50:00 PM | 8.74 | 8.38 | 30.63 | 30.31 | 2.36 | 2.50 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 5.90 | 12:50:00 PM | 9.15 | 8.21 | 31.04 | 30.24 | 2.58 | 2.50 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:07:00 PM | 9.98 | 8.35 | 30.49 | 29.78 | 2.85 | 6.90 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:07:00 PM | 9.88 | 8.50 | 30.51 | 29.77 | 2.39 | 5.60 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 3.25 | 5:07:00 PM | 8.94 | 8.50 | 31.13 | 29.82 | 2.42 | 6.80 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 3.25 | 5:07:00 PM | 9.59 | 8.40 | 30.65 | 29.66 | 2.14 | 6.70 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 5.50 | 5:06:00 PM | 9.59 | 8.51 | 30.54 | 29.60 | 2.18 | 7.70 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 5.50 | 5:06:00 PM | 9.19 | 8.51 | 30.86 | 29.62 | 2.31 | 7.50 |
| WSR36 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:03:00 PM | 8.23 | 8.26 | 30.97 | 29.81 | 2.78 | 3.40 |
| WSR36 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:03:00 PM | 9.05 | 8.37 | 30.84 | 29.93 | 2.83 | 2.50 |
| WSR36 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 3.40 | 5:03:00 PM | 8.49 | 8.21 | 31.00 | 29.80 | 2.08 | 3.30 |
| WSR36 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 3.40 | 5:03:00 PM | 9.05 | 8.30 | 30.69 | 29.86 | 2.28 | 2.50 |
| WSR36 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 5.80 | 5:02:00 PM | 9.00 | 8.24 | 31.16 | 29.85 | 2.11 | 4.20 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR36 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 5.80 | 5:02:00 PM | 8.27 | 8.34 | 30.71 | 29.89 | 2.20 | 4.20 |
| WSR36 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:01:00 PM | 7.83 | 8.30 | 29.84 | 29.85 | 2.36 | 2.50 |
| WSR36 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:01:00 PM | 8.79 | 8.47 | 29.51 | 29.76 | 2.81 | 2.50 |
| WSR36 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 3.45 | 6:01:00 PM | 8.77 | 8.46 | 29.24 | 29.84 | 2.27 | 3.20 |
| WSR36 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 3.45 | 6:01:00 PM | 8.14 | 8.34 | 29.60 | 29.74 | 2.68 | 2.70 |
| WSR36 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 5.90 | 6:00:00 PM | 7.59 | 8.47 | 29.74 | 29.71 | 1.76 | 4.40 |
| WSR36 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 5.90 | 6:00:00 PM | 8.56 | 8.37 | 29.92 | 29.72 | 1.90 | 4.40 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:42:00 AM | 7.69 | 8.19 | 30.97 | 29.80 | 2.23 | 12.60 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:42:00 AM | 8.39 | 8.24 | 30.62 | 29.78 | 2.25 | 12.60 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 3.55 | 9:42:00 AM | 8.45 | 8.34 | 30.76 | 29.93 | 2.47 | 4.00 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 3.55 | 9:42:00 AM | 7.80 | 8.35 | 30.80 | 29.81 | 2.30 | 3.00 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 6.10 | 9:41:00 AM | 8.01 | 8.37 | 30.97 | 29.97 | 2.03 | 3.60 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 6.10 | 9:41:00 AM | 8.20 | 8.22 | 30.95 | 29.75 | 2.35 | 3.00 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:40:00 AM | 9.52 | 8.11 | 31.61 | 29.58 | 3.32 | 2.70 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:40:00 AM | 7.92 | 8.13 | 31.82 | 29.71 | 3.15 | 3.50 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 3.60 | 9:40:00 AM | 8.51 | 8.10 | 31.64 | 29.54 | 2.60 | 7.50 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 3.60 | 9:40:00 AM | 8.34 | 8.19 | 31.63 | 29.64 | 2.67 | 8.90 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 6.20 | 9:39:00 AM | 8.06 | 8.13 | 31.94 | 29.54 | 2.42 | 6.40 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 6.20 | 9:39:00 AM | 9.61 | 8.18 | 31.52 | 29.72 | 2.79 | 3.60 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:12:00 AM | 9.18 | 8.20 | 31.30 | 27.55 | 2.90 | 2.50 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:12:00 AM | 8.72 | 8.41 | 31.38 | 27.46 | 3.09 | 2.80 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 11:12:00 AM | 8.37 | 8.37 | 31.21 | 27.64 | 2.30 | 2.60 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 11:12:00 AM | 8.83 | 8.43 | 31.64 | 27.62 | 2.19 | 3.10 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 11:11:00 AM | 8.86 | 8.32 | 31.61 | 27.46 | 2.65 | 2.50 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 11:11:00 AM | 9.34 | 8.32 | 31.16 | 27.50 | 2.22 | 2.50 |
| WSR36 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:17:00 PM | 7.63 | 8.00 | 30.11 | 29.01 | 1.92 | 2.50 |
| WSR36 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:17:00 PM | 8.14 | 8.07 | 30.67 | 29.15 | 2.14 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR36 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 3.50 | 5:17:00 PM | 8.03 | 8.00 | 30.24 | 29.13 | 1.76 | 2.50 |
| WSR36 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 3.50 | 5:17:00 PM | 8.23 | 7.98 | 29.85 | 29.10 | 2.08 | 2.50 |
| WSR36 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 6.00 | 5:16:00 PM | 7.92 | 8.14 | 29.79 | 29.10 | 1.72 | 2.50 |
| WSR36 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 6.00 | 5:16:00 PM | 7.30 | 7.91 | 30.66 | 29.16 | 1.64 | 2.50 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:49:00 PM | 7.74 | 8.06 | 30.40 | 28.96 | 3.05 | 2.50 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:49:00 PM | 8.66 | 7.99 | 29.88 | 28.95 | 3.35 | 2.50 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 5:49:00 PM | 7.40 | 8.25 | 30.33 | 28.96 | 2.49 | 3.80 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 5:49:00 PM | 8.40 | 8.08 | 30.36 | 28.98 | 2.75 | 2.50 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 5:48:00 PM | 7.71 | 8.01 | 29.82 | 28.99 | 2.30 | 4.20 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 5:48:00 PM | 7.71 | 8.26 | 29.84 | 28.81 | 2.24 | 5.30 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:32:00 AM | 8.05 | 8.13 | 30.19 | 29.46 | 2.34 | 9.30 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:32:00 AM | 8.28 | 7.99 | 30.23 | 29.48 | 2.51 | 9.20 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 3.75 | 9:32:00 AM | 8.26 | 8.30 | 30.34 | 29.33 | 2.15 | 9.40 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 3.75 | 9:32:00 AM | 7.99 | 8.38 | 29.84 | 29.40 | 1.87 | 9.40 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 6.50 | 9:31:00 AM | 8.21 | 8.30 | 29.94 | 29.41 | 2.32 | 9.70 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 6.50 | 9:31:00 AM | 8.42 | 8.24 | 30.28 | 29.44 | 2.05 | 9.60 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:39:00 AM | 8.80 | 8.23 | 29.99 | 28.91 | 3.24 | 2.50 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:39:00 AM | 8.95 | 8.19 | 30.22 | 28.90 | 3.14 | 3.10 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 9:39:00 AM | 8.81 | 8.32 | 30.28 | 28.87 | 2.84 | 2.50 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 9:39:00 AM | 8.78 | 8.37 | 30.25 | 28.94 | 3.03 | 2.70 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 9:38:00 AM | 8.54 | 8.24 | 30.16 | 28.87 | 2.28 | 2.50 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 9:38:00 AM | 8.61 | 8.07 | 30.32 | 28.94 | 2.73 | 3.60 |
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:20:00 AM | 9.72 | 7.96 | 30.46 | 29.02 | 2.89 | 2.50 |
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:20:00 AM | 9.36 | 8.18 | 30.80 | 29.04 | 2.96 | 2.50 |
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 3.25 | 11:20:00 AM | 9.43 | 7.99 | 31.11 | 29.10 | 2.61 | 2.50 |
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 3.25 | 11:20:00 AM | 9.58 | 8.17 | 30.45 | 29.02 | 2.73 | 2.50 |
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 5.50 | 11:19:00 AM | 9.51 | 7.92 | 30.78 | 29.09 | 2.45 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 5.50 | 11:19:00 AM | 9.67 | 8.16 | 30.36 | 29.15 | 2.16 | 2.50 |
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:44:00 AM | 9.22 | 8.24 | 31.42 | 30.32 | 2.84 | 9.50 |
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 10:44:00 AM | 9.81 | 8.24 | 31.34 | 30.21 | 2.71 | 9.50 |
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 4.05 | 10:43:00 AM | 9.14 | 8.35 | 31.41 | 30.42 | 2.32 | 2.50 |
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Flood | Middle | 4.05 | 10:43:00 AM | 9.71 | 8.39 | 31.50 | 30.26 | 2.68 | 2.50 |
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 7.10 | 10:42:00 AM | 9.47 | 8.25 | 31.88 | 30.28 | 2.54 | 5.70 |
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Flood | Bottom | 7.10 | 10:42:00 AM | 9.73 | 8.38 | 31.75 | 30.41 | 2.40 | 5.70 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 1:04:00 PM | 9.49 | 8.35 | 31.20 | 30.34 | 2.41 | 2.50 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 1:04:00 PM | 9.21 | 8.22 | 31.20 | 30.19 | 2.73 | 2.50 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 4.15 | 1:03:00 PM | 9.21 | 8.25 | 31.41 | 30.26 | 2.43 | 8.90 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Flood | Middle | 4.15 | 1:03:00 PM | 9.09 | 8.27 | 31.27 | 30.12 | 2.70 | 8.90 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 7.30 | 1:02:00 PM | 9.65 | 8.39 | 30.87 | 30.28 | 2.67 | 3.60 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Flood | Bottom | 7.30 | 1:02:00 PM | 9.47 | 8.40 | 30.57 | 30.29 | 2.35 | 5.00 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:23:00 PM | 9.19 | 8.33 | 30.65 | 29.69 | 2.79 | 7.90 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:23:00 PM | 9.15 | 8.35 | 30.65 | 29.78 | 3.04 | 7.30 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 3.95 | 5:22:00 PM | 9.62 | 8.29 | 30.66 | 29.81 | 2.23 | 7.30 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Flood | Middle | 3.95 | 5:22:00 PM | 9.76 | 8.31 | 30.88 | 29.75 | 2.53 | 7.00 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 6.90 | 5:21:00 PM | 9.78 | 8.40 | 30.66 | 29.64 | 2.58 | 6.40 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Flood | Bottom | 6.90 | 5:21:00 PM | 9.95 | 8.49 | 30.66 | 29.72 | 2.66 | 6.50 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:21:00 PM | 8.72 | 8.16 | 31.07 | 29.74 | 2.57 | 2.50 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:21:00 PM | 8.55 | 8.35 | 31.21 | 29.88 | 2.21 | 2.50 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 3.90 | 5:20:00 PM | 9.05 | 8.23 | 30.77 | 29.77 | 2.33 | 4.50 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Flood | Middle | 3.90 | 5:20:00 PM | 8.19 | 8.20 | 31.18 | 29.93 | 2.62 | 4.50 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 6.80 | 5:19:00 PM | 8.83 | 8.15 | 30.82 | 29.92 | 2.02 | 4.80 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Flood | Bottom | 6.80 | 5:19:00 PM | 8.91 | 8.19 | 30.89 | 29.90 | 2.31 | 4.80 |
| WSR37 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:13:00 PM | 8.62 | 8.48 | 29.79 | 29.79 | 2.95 | 2.50 |
| WSR37 | 20210710 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 6:13:00 PM | 7.66 | 8.36 | 29.85 | 29.88 | 2.90 | 3.80 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR37 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 4.00 | 6:12:00 PM | 7.74 | 8.34 | 29.53 | 29.74 | 2.33 | 3.90 |
| WSR37 | 20210710 | Sunny | Moderate | Mid-Flood | Middle | 4.00 | 6:12:00 PM | 8.04 | 8.38 | 29.54 | 29.74 | 2.67 | 4.50 |
| WSR37 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 7.00 | 6:11:00 PM | 7.82 | 8.34 | 29.51 | 29.75 | 2.34 | 2.70 |
| WSR37 | 20210710 | Sunny | Moderate | Mid-Flood | Bottom | 7.00 | 6:11:00 PM | 8.67 | 8.38 | 29.33 | 29.88 | 2.04 | 3.30 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:34:00 AM | 8.09 | 8.28 | 30.68 | 29.66 | 2.24 | 7.80 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:34:00 AM | 7.64 | 8.31 | 30.57 | 29.70 | 2.31 | 7.80 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 4.10 | 9:33:00 AM | 7.97 | 8.27 | 30.55 | 29.77 | 2.00 | 15.80 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Flood | Middle | 4.10 | 9:33:00 AM | 7.82 | 8.37 | 30.84 | 29.93 | 2.08 | 11.70 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 7.20 | 9:32:00 AM | 8.18 | 8.16 | 30.80 | 29.83 | 1.84 | 2.50 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Flood | Bottom | 7.20 | 9:32:00 AM | 7.72 | 8.23 | 31.02 | 29.89 | 2.04 | 3.60 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:58:00 AM | 8.43 | 8.17 | 31.30 | 29.69 | 3.33 | 3.30 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:58:00 AM | 9.06 | 8.16 | 31.15 | 29.69 | 3.13 | 3.70 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 4.10 | 9:57:00 AM | 7.93 | 8.25 | 31.73 | 29.81 | 2.31 | 4.50 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Flood | Middle | 4.10 | 9:57:00 AM | 9.25 | 8.27 | 31.85 | 29.69 | 2.60 | 4.40 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 7.20 | 9:56:00 AM | 8.86 | 8.14 | 31.77 | 29.75 | 2.62 | 8.10 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Flood | Bottom | 7.20 | 9:56:00 AM | 8.49 | 8.24 | 31.28 | 29.80 | 2.35 | 8.10 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:27:00 AM | 8.67 | 8.38 | 31.80 | 27.64 | 2.82 | 3.60 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:27:00 AM | 9.32 | 8.33 | 31.49 | 27.59 | 2.44 | 2.50 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 4.20 | 11:26:00 AM | 8.70 | 8.31 | 31.86 | 27.41 | 2.45 | 2.50 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Flood | Middle | 4.20 | 11:26:00 AM | 9.15 | 8.20 | 31.85 | 27.37 | 2.09 | 3.00 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 7.40 | 11:25:00 AM | 8.54 | 8.20 | 31.11 | 27.44 | 2.70 | 3.00 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Flood | Bottom | 7.40 | 11:25:00 AM | 9.10 | 8.44 | 31.11 | 27.45 | 2.56 | 4.90 |
| WSR37 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:35:00 PM | 8.08 | 8.06 | 30.77 | 29.01 | 1.97 | 2.50 |
| WSR37 | 20210722 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 5:35:00 PM | 7.68 | 8.18 | 29.79 | 29.06 | 1.89 | 2.50 |
| WSR37 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 4.35 | 5:34:00 PM | 8.20 | 7.95 | 30.84 | 29.06 | 2.39 | 3.00 |
| WSR37 | 20210722 | Sunny | Moderate | Mid-Flood | Middle | 4.35 | 5:34:00 PM | 7.54 | 7.90 | 30.28 | 29.12 | 2.02 | 3.00 |
| WSR37 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 7.70 | 5:33:00 PM | 7.29 | 8.16 | 30.46 | 29.11 | 2.14 | 7.90 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR37 | 20210722 | Sunny | Moderate | Mid-Flood | Bottom | 7.70 | 5:33:00 PM | 7.90 | 8.06 | 29.90 | 29.02 | 1.85 | 8.10 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:02:00 PM | 7.73 | 8.26 | 29.91 | 28.80 | 2.98 | 2.80 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 6:02:00 PM | 7.52 | 7.99 | 30.22 | 28.82 | 3.34 | 2.50 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 4.40 | 6:01:00 PM | 7.50 | 8.02 | 30.25 | 28.82 | 2.83 | 3.70 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Flood | Middle | 4.40 | 6:01:00 PM | 7.52 | 7.97 | 30.31 | 28.70 | 2.45 | 2.50 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 7.80 | 6:00:00 PM | 7.93 | 8.03 | 30.18 | 28.82 | 2.98 | 3.50 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Flood | Bottom | 7.80 | 6:00:00 PM | 8.29 | 7.92 | 29.94 | 28.85 | 2.96 | 3.50 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:46:00 AM | 8.46 | 8.26 | 30.20 | 29.45 | 2.35 | 7.90 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Flood | Surface | 1.00 | 9:46:00 AM | 8.58 | 8.02 | 29.88 | 29.44 | 2.65 | 8.90 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 4.20 | 9:45:00 AM | 8.44 | 8.14 | 30.17 | 29.59 | 2.14 | 3.70 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Flood | Middle | 4.20 | 9:45:00 AM | 8.75 | 8.12 | 30.44 | 29.51 | 1.83 | 3.60 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 7.40 | 9:44:00 AM | 7.80 | 8.19 | 30.50 | 29.47 | 2.04 | 3.40 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Flood | Bottom | 7.40 | 9:44:00 AM | 8.10 | 8.07 | 29.98 | 29.41 | 1.73 | 4.00 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:54:00 AM | 8.78 | 8.12 | 30.23 | 28.94 | 2.89 | 2.70 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 9:54:00 AM | 8.95 | 8.14 | 30.06 | 28.94 | 3.28 | 3.40 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 9:53:00 AM | 9.13 | 8.13 | 29.88 | 28.91 | 2.91 | 4.40 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Flood | Middle | 3.80 | 9:53:00 AM | 8.99 | 8.34 | 29.90 | 28.88 | 2.45 | 2.50 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 9:52:00 AM | 9.20 | 8.26 | 30.00 | 28.81 | 2.87 | 2.70 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Flood | Bottom | 6.60 | 9:52:00 AM | 9.16 | 8.11 | 30.34 | 28.94 | 3.02 | 2.50 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:37:00 AM | 9.50 | 7.91 | 30.55 | 29.19 | 2.13 | 2.50 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 11:37:00 AM | 8.97 | 8.02 | 30.76 | 29.12 | 2.31 | 2.50 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 11:36:00 AM | 9.04 | 8.11 | 31.13 | 29.15 | 2.87 | 4.70 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Flood | Middle | 3.85 | 11:36:00 AM | 9.01 | 8.11 | 30.52 | 29.14 | 2.48 | 4.90 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 11:35:00 AM | 9.02 | 7.97 | 30.48 | 29.13 | 2.53 | 2.50 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Flood | Bottom | 6.70 | 11:35:00 AM | 9.45 | 8.17 | 31.10 | 29.22 | 2.23 | 2.50 |

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

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:32:00 PM | 9.59 | 8.36 | 31.39 | 30.43 | 3.20 | 5.20 |
| CE | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:32:00 PM | 9.86 | 8.26 | 31.06 | 30.55 | 2.96 | 4.80 |
| CE | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 10.15 | 3:31:00 PM | 9.66 | 8.27 | 31.88 | 30.58 | 3.26 | 2.50 |
| CE | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 10.15 | 3:31:00 PM | 9.87 | 8.32 | 30.95 | 30.52 | 3.01 | 4.70 |
| CE | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.30 | 3:30:00 PM | 9.42 | 8.32 | 31.43 | 30.43 | 3.41 | 3.30 |
| CE | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.30 | 3:30:00 PM | 9.68 | 8.30 | 31.20 | 30.53 | 3.33 | 5.50 |
| CE | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:02:00 AM | 10.12 | 8.39 | 30.29 | 29.37 | 3.02 | 2.90 |
| CE | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:02:00 AM | 10.00 | 8.48 | 30.96 | 29.19 | 3.35 | 2.60 |
| CE | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 11.95 | 8:01:00 AM | 9.90 | 8.26 | 31.27 | 29.34 | 3.41 | 3.80 |
| CE | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 11.95 | 8:01:00 AM | 9.78 | 8.28 | 30.56 | 29.24 | 3.47 | 2.90 |
| CE | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 22.90 | 8:00:00 AM | 9.19 | 8.49 | 31.68 | 29.41 | 2.56 | 3.00 |
| CE | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 22.90 | 8:00:00 AM | 9.68 | 8.21 | 31.63 | 29.27 | 2.64 | 3.50 |
| CE | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:42:00 AM | 10.26 | 8.31 | 30.88 | 29.13 | 3.84 | 8.00 |
| CE | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:42:00 AM | 9.65 | 8.32 | 30.88 | 29.14 | 3.40 | 7.60 |
| CE | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 10.35 | 8:41:00 AM | 10.06 | 8.40 | 30.90 | 29.27 | 3.19 | 7.20 |
| CE | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 10.35 | 8:41:00 AM | 9.91 | 8.43 | 30.56 | 29.20 | 3.49 | 6.80 |
| CE | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.70 | 8:40:00 AM | 9.43 | 8.49 | 30.88 | 29.15 | 3.19 | 7.70 |
| CE | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.70 | 8:40:00 AM | 9.47 | 8.36 | 31.10 | 29.27 | 2.93 | 8.20 |
| CE | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 9:42:00 AM | 9.00 | 8.29 | 31.33 | 30.11 | 4.01 | 2.70 |
| CE | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 9:42:00 AM | 9.25 | 8.30 | 30.78 | 30.10 | 3.46 | 2.90 |
| CE | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 10.15 | 9:41:00 AM | 8.10 | 8.29 | 30.76 | 30.20 | 3.46 | 5.80 |
| CE | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 10.15 | 9:41:00 AM | 9.16 | 8.22 | 30.73 | 30.13 | 3.59 | 5.80 |
| CE | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 19.30 | 9:40:00 AM | 8.93 | 8.17 | 31.13 | 30.09 | 2.85 | 5.40 |
| CE | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 19.30 | 9:40:00 AM | 8.52 | 8.34 | 31.41 | 30.16 | 3.12 | 5.40 |
| CE | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:47:00 AM | 8.15 | 8.22 | 29.64 | 30.18 | 3.50 | 2.50 |
| CE | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:47:00 AM | 7.98 | 8.26 | 29.91 | 30.22 | 3.49 | 2.50 |
| CE | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 11.65 | 10:46:00 AM | 7.83 | 8.33 | 30.20 | 30.22 | 3.34 | 9.00 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 11.65 | 10:46:00 AM | 7.63 | 8.33 | 30.12 | 30.06 | 3.71 | 9.00 |
| CE | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 22.30 | 10:45:00 AM | 7.95 | 8.30 | 30.19 | 30.11 | 3.41 | 6.70 |
| CE | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 22.30 | 10:45:00 AM | 7.65 | 8.21 | 29.58 | 30.16 | 3.06 | 6.70 |
| CE | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:42:00 PM | 8.49 | 8.12 | 30.69 | 30.44 | 3.54 | 7.30 |
| CE | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:42:00 PM | 8.09 | 8.15 | 31.18 | 30.51 | 3.22 | 7.30 |
| CE | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 12.05 | 12:41:00 PM | 8.08 | 8.28 | 31.24 | 30.28 | 2.83 | 12.80 |
| CE | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 12.05 | 12:41:00 PM | 7.78 | 8.13 | 30.69 | 30.27 | 2.91 | 12.10 |
| CE | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 23.10 | 12:40:00 PM | 8.64 | 8.17 | 30.94 | 30.34 | 3.19 | 6.40 |
| CE | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 23.10 | 12:40:00 PM | 8.28 | 8.19 | 31.25 | 30.36 | 2.95 | 6.40 |
| CE | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:59:00 PM | 9.12 | 8.25 | 30.48 | 30.58 | 3.88 | 3.30 |
| CE | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:59:00 PM | 9.10 | 8.36 | 30.61 | 30.69 | 4.64 | 4.70 |
| CE | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 11.80 | 1:58:00 PM | 8.16 | 8.41 | 31.02 | 30.60 | 4.35 | 9.00 |
| CE | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 11.80 | 1:58:00 PM | 8.62 | 8.24 | 30.74 | 30.58 | 3.71 | 9.00 |
| CE | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 22.60 | 1:57:00 PM | 7.83 | 8.27 | 30.72 | 30.55 | 3.70 | 6.00 |
| CE | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 22.60 | 1:57:00 PM | 8.29 | 8.41 | 30.96 | 30.57 | 3.67 | 4.90 |
| CE | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:32:00 PM | 9.45 | 8.21 | 30.93 | 28.65 | 3.74 | 2.50 |
| CE | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:32:00 PM | 8.71 | 8.19 | 31.24 | 28.62 | 3.36 | 2.50 |
| CE | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 11.90 | 3:31:00 PM | 9.58 | 8.22 | 30.75 | 28.58 | 3.08 | 2.50 |
| CE | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 11.90 | 3:31:00 PM | 9.00 | 8.30 | 30.63 | 28.71 | 3.12 | 2.50 |
| CE | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 22.80 | 3:30:00 PM | 9.31 | 8.27 | 30.66 | 28.58 | 3.39 | 2.50 |
| CE | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 22.80 | 3:30:00 PM | 9.36 | 8.37 | 30.91 | 28.63 | 3.35 | 2.60 |
| CE | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 9:01:00 AM | 7.59 | 8.17 | 30.73 | 28.88 | 4.55 | 2.50 |
| CE | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 9:01:00 AM | 7.12 | 7.96 | 30.32 | 28.86 | 3.82 | 2.50 |
| CE | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 11.95 | 9:00:00 AM | 7.09 | 8.14 | 30.23 | 28.94 | 4.24 | 2.50 |
| CE | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 11.95 | 9:00:00 AM | 7.74 | 8.04 | 29.73 | 28.86 | 4.09 | 2.50 |
| CE | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 22.90 | 8:59:00 AM | 7.22 | 8.21 | 30.52 | 28.97 | 4.15 | 2.50 |
| CE | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 22.90 | 8:59:00 AM | 7.28 | 8.19 | 29.61 | 28.96 | 3.80 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:41:00 AM | 8.06 | 8.16 | 29.67 | 28.90 | 4.56 | 2.50 |
| CE | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:41:00 AM | 7.67 | 8.19 | 29.57 | 28.91 | 4.61 | 2.50 |
| CE | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 10.45 | 10:40:00 AM | 7.85 | 8.31 | 29.69 | 28.95 | 4.82 | 2.50 |
| CE | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 10.45 | 10:40:00 AM | 7.85 | 8.15 | 29.73 | 28.95 | 4.50 | 3.50 |
| CE | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.90 | 10:39:00 AM | 7.56 | 8.25 | 29.58 | 28.93 | 4.28 | 3.30 |
| CE | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.90 | 10:39:00 AM | 7.35 | 7.99 | 29.59 | 28.95 | 4.50 | 2.50 |
| CE | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:54:00 PM | 8.24 | 8.18 | 30.58 | 29.93 | 4.83 | 7.20 |
| CE | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:54:00 PM | 7.90 | 8.12 | 30.90 | 29.87 | 4.66 | 7.50 |
| CE | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 10.45 | 12:53:00 PM | 8.14 | 7.94 | 30.94 | 29.72 | 4.60 | 5.60 |
| CE | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 10.45 | 12:53:00 PM | 8.14 | 8.13 | 30.63 | 29.75 | 4.58 | 4.90 |
| CE | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 19.90 | 12:52:00 PM | 8.42 | 7.94 | 30.77 | 29.95 | 3.70 | 7.10 |
| CE | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 19.90 | 12:52:00 PM | 8.25 | 8.10 | 30.81 | 29.79 | 4.17 | 5.20 |
| CE | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 2:17:00 PM | 8.52 | 7.98 | 29.88 | 28.88 | 5.44 | 3.30 |
| CE | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 2:17:00 PM | 8.59 | 8.11 | 29.93 | 28.83 | 5.36 | 2.50 |
| CE | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 11.10 | 2:16:00 PM | 8.21 | 8.19 | 29.90 | 28.98 | 4.78 | 5.90 |
| CE | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 11.10 | 2:16:00 PM | 8.68 | 8.15 | 29.81 | 28.91 | 4.69 | 5.70 |
| CE | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 21.20 | 2:15:00 PM | 8.47 | 8.03 | 29.66 | 29.02 | 5.12 | 2.50 |
| CE | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 21.20 | 2:15:00 PM | 8.40 | 8.25 | 29.66 | 29.01 | 4.87 | 3.70 |
| CE | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:32:00 PM | 8.62 | 8.06 | 30.30 | 29.15 | 3.66 | 3.20 |
| CE | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:32:00 PM | 8.58 | 8.07 | 30.31 | 29.16 | 4.16 | 2.50 |
| CE | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 10.90 | 3:31:00 PM | 8.49 | 8.06 | 30.48 | 29.15 | 3.84 | 2.50 |
| CE | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 10.90 | 3:31:00 PM | 8.40 | 7.94 | 30.45 | 29.09 | 4.11 | 2.50 |
| CE | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 20.80 | 3:30:00 PM | 8.02 | 7.94 | 30.48 | 29.03 | 3.94 | 2.50 |
| CE | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 20.80 | 3:30:00 PM | 8.08 | 8.13 | 30.50 | 29.12 | 3.29 | 2.50 |
| CF | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 6:21:00 PM | 10.13 | 8.45 | 31.42 | 30.28 | 3.71 | 3.90 |
| CF | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 6:21:00 PM | 9.93 | 8.31 | 31.60 | 30.23 | 3.67 | 2.50 |
| CF | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 10.25 | 6:20:00 PM | 10.03 | 8.41 | 31.63 | 30.22 | 3.41 | 3.10 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 10.25 | 6:20:00 PM | 9.72 | 8.31 | 31.36 | 30.15 | 3.26 | 2.50 |
| CF | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.50 | 6:19:00 PM | 9.65 | 8.41 | 31.64 | 30.24 | 3.15 | 2.50 |
| CF | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.50 | 6:19:00 PM | 10.10 | 8.36 | 31.83 | 30.25 | 2.99 | 2.50 |
| CF | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:58:00 AM | 9.89 | 8.35 | 30.72 | 29.84 | 3.24 | 3.00 |
| CF | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:58:00 AM | 9.90 | 8.22 | 31.33 | 29.97 | 3.59 | 2.50 |
| CF | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 10.05 | 9:57:00 AM | 9.24 | 8.51 | 31.06 | 29.77 | 3.02 | 2.50 |
| CF | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 10.05 | 9:57:00 AM | 8.68 | 8.36 | 30.50 | 29.78 | 3.50 | 2.50 |
| CF | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.10 | 9:56:00 AM | 9.27 | 8.50 | 30.54 | 29.96 | 3.16 | 2.50 |
| CF | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.10 | 9:56:00 AM | 8.88 | 8.32 | 30.30 | 29.71 | 3.27 | 2.50 |
| CF | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:24:00 AM | 9.26 | 8.39 | 30.91 | 29.99 | 3.11 | 6.80 |
| CF | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:24:00 AM | 9.53 | 8.41 | 30.93 | 29.95 | 3.65 | 7.30 |
| CF | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 9.80 | 11:23:00 AM | 9.04 | 8.39 | 31.23 | 29.82 | 3.65 | 8.50 |
| CF | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 9.80 | 11:23:00 AM | 9.27 | 8.45 | 31.27 | 29.82 | 3.17 | 7.50 |
| CF | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.60 | 11:22:00 AM | 9.08 | 8.36 | 31.27 | 29.93 | 3.39 | 7.10 |
| CF | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.60 | 11:22:00 AM | 9.66 | 8.35 | 30.80 | 29.92 | 3.40 | 6.80 |
| CF | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:14:00 PM | 7.93 | 8.19 | 31.19 | 30.60 | 3.89 | 5.30 |
| CF | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:14:00 PM | 9.27 | 8.35 | 30.90 | 30.51 | 3.55 | 5.30 |
| CF | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 9.75 | 12:13:00 PM | 8.64 | 8.21 | 31.48 | 30.44 | 3.58 | 5.10 |
| CF | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 9.75 | 12:13:00 PM | 8.74 | 8.26 | 30.80 | 30.53 | 3.62 | 5.10 |
| CF | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 18.50 | 12:12:00 PM | 8.53 | 8.35 | 31.29 | 30.56 | 3.18 | 2.50 |
| CF | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 18.50 | 12:12:00 PM | 9.31 | 8.21 | 31.48 | 30.53 | 2.77 | 2.50 |
| CF | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:10:00 PM | 8.25 | 8.22 | 30.16 | 30.58 | 3.74 | 2.50 |
| CF | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:10:00 PM | 8.53 | 8.38 | 30.01 | 30.51 | 3.95 | 2.50 |
| CF | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 10.80 | 1:09:00 PM | 7.69 | 8.33 | 30.16 | 30.51 | 3.68 | 3.20 |
| CF | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 10.80 | 1:09:00 PM | 8.60 | 8.25 | 29.93 | 30.53 | 3.35 | 2.50 |
| CF | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 20.60 | 1:08:00 PM | 8.26 | 8.27 | 29.77 | 30.57 | 2.86 | 3.00 |
| CF | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 20.60 | 1:08:00 PM | 8.10 | 8.41 | 30.14 | 30.62 | 3.23 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:08:00 PM | 7.86 | 8.14 | 30.96 | 30.19 | 3.50 | 2.50 |
| CF | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:08:00 PM | 8.01 | 8.26 | 31.00 | 30.15 | 3.51 | 2.50 |
| CF | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 10.55 | 3:07:00 PM | 8.20 | 8.29 | 31.28 | 30.22 | 3.25 | 2.50 |
| CF | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 10.55 | 3:07:00 PM | 7.79 | 8.11 | 31.14 | 30.32 | 3.58 | 2.50 |
| CF | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 20.10 | 3:06:00 PM | 8.45 | 8.23 | 31.18 | 30.41 | 3.04 | 6.20 |
| CF | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 20.10 | 3:06:00 PM | 7.99 | 8.23 | 31.06 | 30.26 | 3.31 | 6.20 |
| CF | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 4:43:00 PM | 7.73 | 8.18 | 30.40 | 30.09 | 4.63 | 9.00 |
| CF | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 4:43:00 PM | 8.48 | 8.33 | 30.47 | 30.10 | 4.18 | 9.00 |
| CF | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 10.20 | 4:42:00 PM | 9.09 | 8.26 | 30.34 | 30.02 | 4.22 | 8.10 |
| CF | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 10.20 | 4:42:00 PM | 7.90 | 8.27 | 30.94 | 30.15 | 4.25 | 8.10 |
| CF | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 19.40 | 4:41:00 PM | 8.13 | 8.36 | 30.25 | 30.15 | 3.77 | 6.30 |
| CF | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 19.40 | 4:41:00 PM | 8.83 | 8.26 | 30.35 | 30.15 | 3.81 | 4.70 |
| CF | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 6:14:00 PM | 8.63 | 8.36 | 30.66 | 27.77 | 3.81 | 2.50 |
| CF | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 6:14:00 PM | 8.98 | 8.27 | 30.94 | 27.77 | 3.87 | 2.50 |
| CF | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 10.10 | 6:13:00 PM | 8.25 | 8.18 | 30.60 | 27.81 | 2.85 | 2.50 |
| CF | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 10.10 | 6:13:00 PM | 8.76 | 8.32 | 31.00 | 27.88 | 3.30 | 2.50 |
| CF | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.20 | 6:12:00 PM | 9.17 | 8.20 | 30.58 | 27.82 | 2.99 | 2.50 |
| CF | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.20 | 6:12:00 PM | 8.82 | 8.32 | 30.57 | 27.86 | 3.16 | 3.10 |
| CF | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:48:00 AM | 7.43 | 8.16 | 30.42 | 29.59 | 4.24 | 2.50 |
| CF | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:48:00 AM | 7.21 | 7.94 | 29.77 | 29.44 | 4.41 | 2.50 |
| CF | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 10.65 | 11:47:00 AM | 8.17 | 7.97 | 30.33 | 29.56 | 3.80 | 9.30 |
| CF | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 10.65 | 11:47:00 AM | 7.52 | 8.05 | 30.51 | 29.41 | 3.86 | 7.30 |
| CF | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 20.30 | 11:46:00 AM | 7.92 | 8.09 | 29.74 | 29.39 | 3.54 | 2.50 |
| CF | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 20.30 | 11:46:00 AM | 7.30 | 8.12 | 29.86 | 29.37 | 4.22 | 2.50 |
| CF | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 1:14:00 PM | 7.97 | 8.02 | 29.59 | 29.75 | 4.78 | 2.50 |
| CF | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 1:14:00 PM | 7.40 | 8.29 | 29.58 | 29.73 | 5.23 | 3.70 |
| CF | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 10.10 | 1:13:00 PM | 8.08 | 8.03 | 29.70 | 29.67 | 4.24 | 5.90 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 10.10 | 1:13:00 PM | 8.30 | 8.25 | 29.73 | 29.67 | 4.34 | 5.90 |
| CF | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.20 | 1:12:00 PM | 7.34 | 8.18 | 29.65 | 29.64 | 4.48 | 3.50 |
| CF | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.20 | 1:12:00 PM | 8.01 | 8.03 | 29.62 | 29.70 | 4.37 | 2.50 |
| CF | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:24:00 PM | 7.58 | 8.23 | 29.98 | 29.67 | 4.20 | 8.70 |
| CF | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:24:00 PM | 7.67 | 8.41 | 30.54 | 29.75 | 4.55 | 9.70 |
| CF | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 10.65 | 3:23:00 PM | 8.07 | 8.23 | 30.52 | 29.67 | 4.47 | 9.50 |
| CF | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 10.65 | 3:23:00 PM | 7.46 | 8.12 | 30.17 | 29.72 | 3.93 | 9.70 |
| CF | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 20.30 | 3:22:00 PM | 7.51 | 8.41 | 30.36 | 29.44 | 3.81 | 3.30 |
| CF | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 20.30 | 3:22:00 PM | 7.85 | 8.17 | 30.43 | 29.44 | 3.83 | 3.60 |
| CF | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:54:00 PM | 8.59 | 7.94 | 29.61 | 28.23 | 4.30 | 2.50 |
| CF | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:54:00 PM | 8.47 | 8.08 | 29.70 | 28.24 | 4.43 | 2.50 |
| CF | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 9.80 | 4:53:00 PM | 8.67 | 8.23 | 29.60 | 28.36 | 3.96 | 2.50 |
| CF | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 9.80 | 4:53:00 PM | 8.65 | 8.16 | 29.63 | 28.38 | 4.73 | 2.70 |
| CF | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.60 | 4:52:00 PM | 8.75 | 8.26 | 29.77 | 28.25 | 3.72 | 2.50 |
| CF | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.60 | 4:52:00 PM | 8.24 | 8.18 | 29.72 | 28.41 | 3.65 | 2.50 |
| CF | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 6:01:00 PM | 8.89 | 8.05 | 30.47 | 28.71 | 3.81 | 5.10 |
| CF | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 6:01:00 PM | 8.79 | 7.96 | 30.70 | 28.75 | 3.65 | 4.90 |
| CF | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 9.65 | 6:00:00 PM | 8.83 | 7.87 | 31.05 | 28.78 | 3.84 | 2.60 |
| CF | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 9.65 | 6:00:00 PM | 8.67 | 7.88 | 31.11 | 28.80 | 3.67 | 2.50 |
| CF | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.30 | 5:59:00 PM | 8.94 | 7.99 | 31.03 | 28.74 | 3.74 | 7.90 |
| CF | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 18.30 | 5:59:00 PM | 8.94 | 8.12 | 30.78 | 28.83 | 4.02 | 7.50 |
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:55:00 PM | 9.90 | 8.38 | 31.36 | 30.25 | 2.88 | 2.50 |
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:55:00 PM | 9.94 | 8.35 | 31.18 | 30.31 | 2.84 | 3.30 |
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 4.50 | 5:54:00 PM | 9.69 | 8.30 | 31.74 | 30.37 | 2.49 | 3.90 |
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 4.50 | 5:54:00 PM | 10.09 | 8.24 | 31.50 | 30.40 | 2.94 | 2.80 |
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.00 | 5:53:00 PM | 9.33 | 8.27 | 31.68 | 30.32 | 2.43 | 2.50 |
| WSR01 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.00 | 5:53:00 PM | 10.03 | 8.24 | 31.08 | 30.27 | 2.30 | 3.20 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:39:00 AM | 8.71 | 8.31 | 30.77 | 29.78 | 2.62 | 3.10 |
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:39:00 AM | 9.82 | 8.28 | 30.49 | 29.75 | 3.01 | 3.20 |
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 4.40 | 9:38:00 AM | 8.69 | 8.25 | 30.41 | 29.70 | 2.40 | 3.40 |
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 4.40 | 9:38:00 AM | 10.03 | 8.23 | 30.55 | 29.66 | 2.77 | 4.10 |
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.80 | 9:37:00 AM | 9.37 | 8.23 | 31.16 | 29.65 | 2.01 | 3.00 |
| WSR01 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.80 | 9:37:00 AM | 8.83 | 8.51 | 30.48 | 29.56 | 2.35 | 2.50 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:00:00 AM | 8.79 | 8.31 | 31.13 | 29.97 | 2.96 | 7.60 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:00:00 AM | 9.10 | 8.32 | 30.98 | 29.83 | 2.65 | 6.90 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 10:59:00 AM | 9.20 | 8.32 | 30.80 | 29.87 | 2.69 | 7.50 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 10:59:00 AM | 9.48 | 8.40 | 30.55 | 29.81 | 2.61 | 8.80 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 10:58:00 AM | 9.18 | 8.37 | 30.81 | 29.99 | 2.62 | 8.30 |
| WSR01 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 10:58:00 AM | 9.18 | 8.38 | 31.00 | 29.83 | 2.32 | 8.50 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:50:00 AM | 8.38 | 8.16 | 30.93 | 30.54 | 2.61 | 5.90 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:50:00 AM | 9.15 | 8.28 | 31.08 | 30.50 | 2.53 | 5.90 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 4.15 | 11:49:00 AM | 8.36 | 8.27 | 31.46 | 30.45 | 2.02 | 5.00 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 4.15 | 11:49:00 AM | 7.96 | 8.34 | 31.32 | 30.44 | 2.26 | 5.00 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 7.30 | 11:48:00 AM | 8.06 | 8.17 | 31.09 | 30.44 | 2.20 | 5.60 |
| WSR01 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 7.30 | 11:48:00 AM | 9.09 | 8.18 | 31.51 | 30.47 | 1.94 | 5.60 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:49:00 PM | 8.95 | 8.37 | 29.70 | 30.59 | 2.41 | 3.70 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:49:00 PM | 8.22 | 8.36 | 29.96 | 30.62 | 2.84 | 2.90 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 4.35 | 12:48:00 PM | 7.99 | 8.21 | 30.05 | 30.56 | 2.31 | 3.00 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 4.35 | 12:48:00 PM | 8.34 | 8.37 | 29.86 | 30.46 | 2.04 | 2.80 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 7.70 | 12:47:00 PM | 8.24 | 8.24 | 29.65 | 30.56 | 2.17 | 2.90 |
| WSR01 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 7.70 | 12:47:00 PM | 8.56 | 8.33 | 29.73 | 30.50 | 2.39 | 3.40 |
| WSR01 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:46:00 PM | 8.61 | 8.11 | 30.90 | 30.35 | 2.27 | 2.50 |
| WSR01 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:46:00 PM | 8.65 | 8.26 | 31.12 | 30.54 | 2.03 | 2.50 |
| WSR01 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 4.45 | 2:45:00 PM | 7.88 | 8.15 | 31.20 | 30.25 | 2.37 | 2.30 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 4.45 | 2:45:00 PM | 8.00 | 8.26 | 31.09 | 30.34 | 2.00 | 2.30 |
| WSR01 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 7.90 | 2:44:00 PM | 8.29 | 8.15 | 31.26 | 30.28 | 1.85 | 9.40 |
| WSR01 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 7.90 | 2:44:00 PM | 7.96 | 8.33 | 31.21 | 30.27 | 1.75 | 10.20 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 4:20:00 PM | 8.27 | 8.18 | 30.23 | 30.21 | 2.57 | 4.70 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 4:20:00 PM | 7.83 | 8.29 | 31.11 | 30.08 | 2.18 | 5.30 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 4.55 | 4:19:00 PM | 8.05 | 8.38 | 30.91 | 30.16 | 2.71 | 6.40 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 4.55 | 4:19:00 PM | 8.60 | 8.35 | 30.59 | 30.08 | 2.56 | 7.40 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 8.10 | 4:18:00 PM | 8.65 | 8.29 | 30.74 | 30.14 | 2.28 | 10.40 |
| WSR01 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 8.10 | 4:18:00 PM | 8.55 | 8.22 | 30.83 | 30.15 | 1.97 | 10.40 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:51:00 PM | 8.29 | 8.16 | 30.63 | 28.06 | 3.05 | 2.50 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:51:00 PM | 9.48 | 8.32 | 30.75 | 27.88 | 3.07 | 2.60 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 5:50:00 PM | 8.79 | 8.20 | 31.21 | 28.06 | 2.29 | 3.30 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 5:50:00 PM | 9.13 | 8.18 | 31.25 | 27.89 | 2.12 | 2.50 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 5:49:00 PM | 9.44 | 8.33 | 31.20 | 27.94 | 1.92 | 2.50 |
| WSR01 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 5:49:00 PM | 8.68 | 8.20 | 31.23 | 27.94 | 2.10 | 2.50 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:23:00 AM | 7.69 | 7.99 | 29.68 | 29.53 | 1.56 | 2.50 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:23:00 AM | 8.23 | 8.12 | 29.81 | 29.56 | 1.31 | 2.50 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 4.75 | 11:22:00 AM | 7.59 | 8.16 | 29.77 | 29.44 | 1.57 | 6.00 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 4.75 | 11:22:00 AM | 7.46 | 8.09 | 30.75 | 29.43 | 1.33 | 6.00 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 8.50 | 11:21:00 AM | 8.00 | 8.08 | 30.13 | 29.54 | 1.51 | 2.50 |
| WSR01 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 8.50 | 11:21:00 AM | 7.44 | 8.21 | 29.66 | 29.40 | 1.61 | 2.50 |
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:50:00 PM | 7.38 | 8.25 | 29.69 | 29.57 | 3.27 | 6.60 |
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:50:00 PM | 7.77 | 8.29 | 29.57 | 29.72 | 2.89 | 6.60 |
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 4.50 | 12:49:00 PM | 7.50 | 8.18 | 29.76 | 29.48 | 2.70 | 2.50 |
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 4.50 | 12:49:00 PM | 7.97 | 8.22 | 29.74 | 29.68 | 2.68 | 2.50 |
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.00 | 12:48:00 PM | 7.83 | 8.31 | 29.69 | 29.64 | 2.44 | 6.00 |
| WSR01 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.00 | 12:48:00 PM | 7.29 | 8.24 | 29.56 | 29.68 | 2.75 | 6.00 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR01 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:02:00 PM | 8.41 | 8.06 | 30.48 | 29.47 | 2.41 | 8.30 |
| WSR01 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:02:00 PM | 8.17 | 8.15 | 30.34 | 29.66 | 2.21 | 8.50 |
| WSR01 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 4.70 | 3:01:00 PM | 8.25 | 8.22 | 30.29 | 29.61 | 2.03 | 8.80 |
| WSR01 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 4.70 | 3:01:00 PM | 8.35 | 8.00 | 30.30 | 29.51 | 2.15 | 8.60 |
| WSR01 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 8.40 | 3:00:00 PM | 7.57 | 8.25 | 30.54 | 29.53 | 1.83 | 6.90 |
| WSR01 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 8.40 | 3:00:00 PM | 7.33 | 8.18 | 30.54 | 29.62 | 2.18 | 7.90 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:31:00 PM | 8.31 | 8.00 | 29.75 | 28.25 | 5.35 | 11.00 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:31:00 PM | 8.28 | 8.00 | 29.65 | 28.36 | 5.52 | 9.90 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 4.50 | 4:30:00 PM | 8.71 | 8.22 | 29.55 | 28.25 | 5.07 | 11.00 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 4.50 | 4:30:00 PM | 8.79 | 8.05 | 29.46 | 28.29 | 5.14 | 14.50 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.00 | 4:29:00 PM | 8.21 | 8.08 | 29.66 | 28.29 | 4.62 | 7.30 |
| WSR01 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.00 | 4:29:00 PM | 8.72 | 8.09 | 29.59 | 28.38 | 4.77 | 6.70 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:37:00 PM | 8.73 | 8.04 | 30.95 | 28.79 | 2.60 | 4.10 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:37:00 PM | 8.39 | 8.06 | 31.31 | 28.83 | 2.83 | 4.00 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 4.25 | 5:36:00 PM | 8.97 | 7.88 | 31.00 | 28.85 | 2.32 | 9.50 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 4.25 | 5:36:00 PM | 8.55 | 8.01 | 31.28 | 28.79 | 2.70 | 9.30 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.50 | 5:35:00 PM | 8.62 | 7.93 | 31.17 | 28.76 | 2.39 | 2.50 |
| WSR01 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.50 | 5:35:00 PM | 8.90 | 8.00 | 30.81 | 28.88 | 2.77 | 2.50 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:36:00 PM | 9.59 | 8.31 | 31.02 | 30.19 | 2.70 | 5.30 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:36:00 PM | 9.46 | 8.39 | 31.09 | 30.30 | 2.86 | 3.10 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 4.85 | 5:35:00 PM | 9.97 | 8.43 | 30.96 | 30.37 | 2.42 | 4.50 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 4.85 | 5:35:00 PM | 9.23 | 8.24 | 31.98 | 30.31 | 2.53 | 5.90 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.70 | 5:34:00 PM | 9.98 | 8.47 | 31.44 | 30.29 | 2.46 | 3.60 |
| WSR02 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.70 | 5:34:00 PM | 9.35 | 8.45 | 31.03 | 30.34 | 2.39 | 2.50 |
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:24:00 AM | 8.84 | 8.38 | 30.81 | 29.46 | 2.27 | 3.60 |
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:24:00 AM | 8.64 | 8.29 | 30.64 | 29.60 | 2.53 | 3.60 |
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 4.75 | 9:23:00 AM | 9.45 | 8.29 | 30.91 | 29.63 | 2.19 | 3.90 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 4.75 | 9:23:00 AM | 8.97 | 8.36 | 30.87 | 29.67 | 1.95 | 4.10 |
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.50 | 9:22:00 AM | 10.14 | 8.44 | 30.63 | 29.73 | 2.23 | 2.90 |
| WSR02 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.50 | 9:22:00 AM | 8.74 | 8.37 | 31.12 | 29.65 | 2.48 | 4.40 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:41:00 AM | 9.44 | 8.33 | 30.61 | 29.73 | 2.99 | 8.60 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:41:00 AM | 8.99 | 8.42 | 30.82 | 29.64 | 2.69 | 8.40 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 4.65 | 10:40:00 AM | 9.36 | 8.44 | 31.13 | 29.70 | 2.69 | 21.20 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 4.65 | 10:40:00 AM | 10.02 | 8.39 | 30.89 | 29.67 | 2.90 | 21.20 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.30 | 10:39:00 AM | 9.26 | 8.44 | 31.10 | 29.69 | 2.53 | 17.90 |
| WSR02 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.30 | 10:39:00 AM | 9.97 | 8.37 | 30.99 | 29.67 | 2.49 | 18.30 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:32:00 AM | 9.01 | 8.28 | 31.29 | 30.44 | 2.54 | 5.90 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:32:00 AM | 9.45 | 8.26 | 31.60 | 30.50 | 2.18 | 5.90 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 4.75 | 11:31:00 AM | 8.58 | 8.35 | 30.91 | 30.51 | 1.89 | 2.50 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 4.75 | 11:31:00 AM | 8.24 | 8.34 | 31.41 | 30.51 | 1.94 | 2.50 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 8.50 | 11:30:00 AM | 9.43 | 8.17 | 30.85 | 30.48 | 1.85 | 2.50 |
| WSR02 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 8.50 | 11:30:00 AM | 8.57 | 8.22 | 30.88 | 30.37 | 2.01 | 2.50 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:32:00 PM | 8.26 | 8.33 | 29.36 | 30.62 | 2.51 | 8.90 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:32:00 PM | 8.56 | 8.27 | 29.84 | 30.49 | 2.67 | 8.90 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 4.60 | 12:31:00 PM | 8.90 | 8.35 | 29.49 | 30.55 | 2.77 | 3.80 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 4.60 | 12:31:00 PM | 8.31 | 8.38 | 29.83 | 30.52 | 2.43 | 2.50 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 8.20 | 12:30:00 PM | 8.16 | 8.29 | 29.52 | 30.60 | 2.39 | 3.40 |
| WSR02 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 8.20 | 12:30:00 PM | 8.22 | 8.30 | 29.96 | 30.56 | 2.49 | 2.50 |
| WSR02 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:29:00 PM | 7.93 | 8.20 | 30.92 | 30.35 | 2.43 | 3.50 |
| WSR02 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:29:00 PM | 8.05 | 8.14 | 31.19 | 30.56 | 2.06 | 3.50 |
| WSR02 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 4.60 | 2:28:00 PM | 8.27 | 8.18 | 31.26 | 30.52 | 2.23 | 2.50 |
| WSR02 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 4.60 | 2:28:00 PM | 7.70 | 8.28 | 30.95 | 30.48 | 2.61 | 2.50 |
| WSR02 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 8.20 | 2:27:00 PM | 7.63 | 8.24 | 30.69 | 30.56 | 1.84 | 2.50 |
| WSR02 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 8.20 | 2:27:00 PM | 7.96 | 8.24 | 30.92 | 30.34 | 1.86 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 4:01:00 PM | 8.24 | 8.40 | 30.82 | 30.24 | 2.69 | 10.90 |
| WSR02 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 4:01:00 PM | 7.86 | 8.41 | 30.34 | 30.18 | 2.62 | 10.90 |
| WSR02 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 4.80 | 4:00:00 PM | 8.76 | 8.24 | 30.96 | 30.23 | 2.92 | 10.70 |
| WSR02 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 4.80 | 4:00:00 PM | 8.11 | 8.25 | 30.33 | 30.37 | 2.69 | 10.70 |
| WSR02 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 8.60 | 3:59:00 PM | 7.79 | 8.34 | 30.94 | 30.35 | 2.47 | 8.60 |
| WSR02 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 8.60 | 3:59:00 PM | 7.91 | 8.43 | 30.27 | 30.22 | 2.50 | 8.60 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:33:00 PM | 8.22 | 8.30 | 30.93 | 28.15 | 2.49 | 2.50 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:33:00 PM | 9.43 | 8.17 | 31.26 | 27.93 | 2.55 | 3.20 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 4.60 | 5:32:00 PM | 8.47 | 8.29 | 30.86 | 28.09 | 2.14 | 7.00 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 4.60 | 5:32:00 PM | 8.65 | 8.32 | 30.88 | 28.14 | 2.45 | 7.00 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.20 | 5:31:00 PM | 8.96 | 8.33 | 30.90 | 27.99 | 2.62 | 3.70 |
| WSR02 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.20 | 5:31:00 PM | 8.22 | 8.33 | 30.89 | 28.06 | 2.49 | 2.90 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:04:00 AM | 8.01 | 8.09 | 30.13 | 29.24 | 1.75 | 5.20 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:04:00 AM | 7.70 | 8.13 | 29.87 | 29.21 | 1.73 | 5.20 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 4.55 | 11:03:00 AM | 7.85 | 8.09 | 30.08 | 29.36 | 1.41 | 2.50 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 4.55 | 11:03:00 AM | 7.58 | 8.07 | 30.57 | 29.35 | 1.36 | 2.50 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 8.10 | 11:02:00 AM | 7.81 | 8.05 | 30.55 | 29.33 | 0.84 | 2.50 |
| WSR02 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 8.10 | 11:02:00 AM | 7.51 | 7.88 | 30.20 | 29.43 | 0.94 | 2.60 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:31:00 PM | 7.33 | 7.95 | 29.61 | 29.44 | 2.85 | 2.50 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:31:00 PM | 7.89 | 8.25 | 29.64 | 29.44 | 3.26 | 2.50 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 4.90 | 12:30:00 PM | 8.28 | 8.13 | 29.55 | 29.50 | 2.98 | 2.50 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 4.90 | 12:30:00 PM | 8.20 | 8.19 | 29.58 | 29.64 | 2.86 | 2.50 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.80 | 12:29:00 PM | 7.31 | 8.30 | 29.66 | 29.45 | 2.52 | 2.50 |
| WSR02 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.80 | 12:29:00 PM | 7.68 | 8.14 | 29.76 | 29.62 | 2.86 | 2.50 |
| WSR02 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:44:00 PM | 7.73 | 8.09 | 30.09 | 29.44 | 2.42 | 3.70 |
| WSR02 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:44:00 PM | 7.90 | 8.00 | 30.50 | 29.50 | 2.63 | 3.00 |
| WSR02 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 4.55 | 2:43:00 PM | 7.39 | 8.11 | 30.15 | 29.73 | 2.22 | 4.70 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR02 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 4.55 | 2:43:00 PM | 7.87 | 8.22 | 30.12 | 29.44 | 2.26 | 2.50 |
| WSR02 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 8.10 | 2:42:00 PM | 7.61 | 8.01 | 30.11 | 29.60 | 2.30 | 2.70 |
| WSR02 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 8.10 | 2:42:00 PM | 7.57 | 8.23 | 30.32 | 29.74 | 2.27 | 3.80 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:12:00 PM | 8.59 | 8.01 | 29.64 | 28.33 | 2.73 | 6.20 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:12:00 PM | 8.27 | 8.05 | 29.43 | 28.22 | 2.87 | 6.40 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 4.70 | 4:11:00 PM | 9.18 | 8.05 | 29.55 | 28.43 | 2.46 | 3.90 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 4.70 | 4:11:00 PM | 8.94 | 8.27 | 29.67 | 28.23 | 2.94 | 4.50 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.40 | 4:10:00 PM | 8.91 | 8.15 | 29.86 | 28.30 | 2.02 | 6.00 |
| WSR02 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.40 | 4:10:00 PM | 9.06 | 7.96 | 29.54 | 28.39 | 2.06 | 5.80 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:19:00 PM | 8.65 | 7.99 | 30.91 | 28.89 | 3.02 | 2.80 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:19:00 PM | 8.73 | 7.92 | 30.86 | 28.75 | 2.73 | 2.50 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 4.70 | 5:18:00 PM | 9.01 | 8.03 | 31.14 | 28.75 | 2.68 | 2.50 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 4.70 | 5:18:00 PM | 8.94 | 7.84 | 31.15 | 28.79 | 2.33 | 3.80 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.40 | 5:17:00 PM | 8.57 | 7.78 | 31.34 | 28.76 | 2.07 | 9.10 |
| WSR02 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 8.40 | 5:17:00 PM | 8.34 | 7.85 | 31.35 | 28.90 | 2.39 | 9.70 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:20:00 PM | 9.30 | 8.41 | 31.12 | 30.34 | 2.87 | 2.50 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:20:00 PM | 9.27 | 8.43 | 31.41 | 30.32 | 2.86 | 2.50 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 4.25 | 5:19:00 PM | 9.95 | 8.31 | 31.86 | 30.35 | 2.97 | 2.50 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 4.25 | 5:19:00 PM | 9.19 | 8.32 | 31.54 | 30.32 | 2.68 | 2.50 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.50 | 5:18:00 PM | 9.79 | 8.24 | 31.01 | 30.38 | 1.97 | 2.50 |
| WSR03 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.50 | 5:18:00 PM | 9.22 | 8.43 | 31.92 | 30.27 | 2.15 | 2.50 |
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:15:00 AM | 8.72 | 8.37 | 31.14 | 29.67 | 2.43 | 2.90 |
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:15:00 AM | 9.82 | 8.49 | 31.24 | 29.68 | 2.27 | 3.70 |
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 4.05 | 9:14:00 AM | 8.86 | 8.44 | 31.26 | 29.52 | 2.56 | 8.80 |
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 4.05 | 9:14:00 AM | 9.22 | 8.50 | 31.15 | 29.44 | 2.19 | 7.00 |
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.10 | 9:13:00 AM | 9.58 | 8.44 | 30.83 | 29.45 | 2.20 | 8.80 |
| WSR03 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.10 | 9:13:00 AM | 9.42 | 8.46 | 31.38 | 29.51 | 2.17 | 8.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:26:00 AM | 9.73 | 8.40 | 31.16 | 29.62 | 2.33 | 22.10 |
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:26:00 AM | 9.04 | 8.38 | 30.85 | 29.57 | 2.48 | 22.10 |
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 10:25:00 AM | 10.27 | 8.33 | 30.76 | 29.58 | 2.32 | 23.30 |
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 10:25:00 AM | 9.90 | 8.40 | 31.07 | 29.62 | 2.24 | 23.30 |
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 10:24:00 AM | 9.01 | 8.42 | 30.79 | 29.62 | 2.27 | 22.70 |
| WSR03 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 10:24:00 AM | 8.79 | 8.32 | 30.85 | 29.73 | 2.10 | 22.70 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:17:00 AM | 9.47 | 8.33 | 31.60 | 30.47 | 2.06 | 2.60 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:17:00 AM | 9.25 | 8.35 | 30.76 | 30.39 | 2.36 | 3.50 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 3.85 | 11:16:00 AM | 9.19 | 8.27 | 31.27 | 30.43 | 1.93 | 5.00 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 3.85 | 11:16:00 AM | 8.09 | 8.30 | 31.59 | 30.38 | 2.26 | 5.00 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 6.70 | 11:15:00 AM | 8.79 | 8.25 | 31.23 | 30.48 | 2.27 | 3.40 |
| WSR03 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 6.70 | 11:15:00 AM | 8.38 | 8.28 | 31.07 | 30.42 | 2.11 | 2.50 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:17:00 PM | 8.44 | 8.27 | 29.76 | 30.46 | 2.61 | 2.50 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:17:00 PM | 8.93 | 8.35 | 30.14 | 30.47 | 2.51 | 2.50 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 4.15 | 12:16:00 PM | 9.01 | 8.34 | 30.18 | 30.40 | 2.30 | 6.90 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 4.15 | 12:16:00 PM | 8.52 | 8.41 | 29.67 | 30.53 | 1.99 | 6.90 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 7.30 | 12:15:00 PM | 8.62 | 8.36 | 29.81 | 30.51 | 2.21 | 2.50 |
| WSR03 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 7.30 | 12:15:00 PM | 8.91 | 8.38 | 29.76 | 30.51 | 2.59 | 2.80 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:15:00 PM | 8.52 | 8.32 | 31.26 | 30.52 | 2.73 | 2.50 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:15:00 PM | 7.77 | 8.32 | 30.97 | 30.54 | 2.34 | 2.50 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 3.70 | 2:14:00 PM | 7.73 | 8.35 | 30.76 | 30.37 | 2.07 | 2.50 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 3.70 | 2:14:00 PM | 8.43 | 8.22 | 30.79 | 30.37 | 2.34 | 2.50 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 6.40 | 2:13:00 PM | 8.67 | 8.13 | 30.64 | 30.47 | 1.90 | 8.10 |
| WSR03 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 6.40 | 2:13:00 PM | 8.36 | 8.28 | 30.79 | 30.59 | 2.15 | 9.10 |
| WSR03 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:43:00 PM | 7.77 | 8.32 | 31.05 | 30.27 | 2.64 | 5.90 |
| WSR03 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:43:00 PM | 8.06 | 8.35 | 30.38 | 30.34 | 2.84 | 8.00 |
| WSR03 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 4.05 | 3:42:00 PM | 8.92 | 8.41 | 30.44 | 30.38 | 2.57 | 10.70 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 4.05 | 3:42:00 PM | 8.73 | 8.24 | 30.96 | 30.22 | 2.73 | 10.70 |
| WSR03 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 7.10 | 3:41:00 PM | 8.17 | 8.22 | 31.11 | 30.19 | 2.17 | 15.80 |
| WSR03 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 7.10 | 3:41:00 PM | 8.40 | 8.26 | 30.59 | 30.29 | 1.93 | 15.80 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:17:00 PM | 8.86 | 8.20 | 30.64 | 28.10 | 3.09 | 9.20 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:17:00 PM | 8.77 | 8.30 | 30.64 | 28.24 | 2.59 | 9.20 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 5:16:00 PM | 9.25 | 8.17 | 30.80 | 28.28 | 2.49 | 7.00 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 5:16:00 PM | 8.93 | 8.17 | 31.17 | 28.33 | 2.44 | 7.00 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 5:15:00 PM | 8.80 | 8.36 | 31.17 | 28.12 | 2.48 | 7.90 |
| WSR03 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 5:15:00 PM | 8.84 | 8.29 | 30.86 | 28.34 | 2.40 | 5.90 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:48:00 AM | 8.12 | 8.15 | 30.03 | 29.29 | 1.91 | 3.90 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:48:00 AM | 8.16 | 7.93 | 30.71 | 29.20 | 2.00 | 3.90 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 3.90 | 10:47:00 AM | 7.08 | 8.14 | 30.67 | 29.42 | 1.52 | 2.50 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 3.90 | 10:47:00 AM | 7.97 | 8.13 | 30.15 | 29.36 | 1.38 | 2.50 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 6.80 | 10:46:00 AM | 7.62 | 8.10 | 30.07 | 29.23 | 1.43 | 2.50 |
| WSR03 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 6.80 | 10:46:00 AM | 8.29 | 8.14 | 30.26 | 29.39 | 1.26 | 3.20 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:17:00 PM | 7.28 | 8.09 | 29.57 | 29.36 | 3.21 | 2.50 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:17:00 PM | 7.69 | 8.31 | 29.56 | 29.33 | 2.94 | 2.50 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 12:16:00 PM | 8.16 | 8.24 | 29.65 | 29.52 | 2.98 | 2.50 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 12:16:00 PM | 8.28 | 8.28 | 29.61 | 29.40 | 2.64 | 2.50 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 12:15:00 PM | 7.34 | 8.15 | 29.68 | 29.48 | 3.00 | 2.50 |
| WSR03 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 12:15:00 PM | 7.50 | 8.10 | 29.72 | 29.44 | 2.66 | 2.50 |
| WSR03 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:30:00 PM | 8.38 | 8.11 | 30.63 | 29.62 | 3.05 | 2.50 |
| WSR03 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:30:00 PM | 7.58 | 8.06 | 30.28 | 29.59 | 2.87 | 2.50 |
| WSR03 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 3.70 | 2:29:00 PM | 8.07 | 8.16 | 30.51 | 29.68 | 2.79 | 7.10 |
| WSR03 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 3.70 | 2:29:00 PM | 8.46 | 7.94 | 30.07 | 29.60 | 2.36 | 8.90 |
| WSR03 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 6.40 | 2:28:00 PM | 8.05 | 8.15 | 30.07 | 29.58 | 2.63 | 2.90 |
| WSR03 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 6.40 | 2:28:00 PM | 7.47 | 7.92 | 30.42 | 29.66 | 2.22 | 3.00 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:57:00 PM | 8.51 | 7.95 | 29.72 | 28.50 | 3.43 | 2.90 |
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:57:00 PM | 9.11 | 8.11 | 29.54 | 28.37 | 3.77 | 2.50 |
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 3:56:00 PM | 8.82 | 8.23 | 29.73 | 28.49 | 3.08 | 4.70 |
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 3:56:00 PM | 8.57 | 8.26 | 29.76 | 28.45 | 3.14 | 5.90 |
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 3:55:00 PM | 9.19 | 8.29 | 29.87 | 28.48 | 2.61 | 3.10 |
| WSR03 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 3:55:00 PM | 9.14 | 8.19 | 29.70 | 28.43 | 3.09 | 2.50 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:04:00 PM | 8.62 | 7.87 | 31.20 | 28.90 | 2.68 | 2.50 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:04:00 PM | 8.58 | 7.85 | 31.17 | 28.85 | 2.62 | 2.50 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 3.75 | 5:03:00 PM | 8.88 | 8.03 | 31.17 | 28.91 | 2.90 | 2.50 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 3.75 | 5:03:00 PM | 8.82 | 7.94 | 30.86 | 28.83 | 3.14 | 2.50 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.50 | 5:02:00 PM | 8.28 | 7.89 | 30.68 | 28.89 | 2.66 | 2.50 |
| WSR03 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.50 | 5:02:00 PM | 8.57 | 8.02 | 31.00 | 28.80 | 2.40 | 2.50 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:05:00 PM | 10.24 | 8.45 | 31.29 | 30.41 | 3.19 | 2.50 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:05:00 PM | 9.68 | 8.30 | 30.94 | 30.39 | 2.95 | 3.20 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 3.65 | 5:04:00 PM | 9.69 | 8.25 | 31.82 | 30.28 | 2.45 | 2.50 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 3.65 | 5:04:00 PM | 9.50 | 8.39 | 31.14 | 30.43 | 2.72 | 2.50 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.30 | 5:03:00 PM | 9.97 | 8.25 | 31.73 | 30.34 | 2.47 | 2.50 |
| WSR04 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.30 | 5:03:00 PM | 10.22 | 8.34 | 31.62 | 30.27 | 2.20 | 2.50 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:07:00 AM | 9.19 | 8.47 | 30.93 | 29.36 | 2.82 | 4.40 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:07:00 AM | 8.82 | 8.27 | 31.13 | 29.54 | 2.77 | 4.90 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 9:06:00 AM | 9.14 | 8.45 | 30.68 | 29.43 | 2.76 | 7.80 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 9:06:00 AM | 9.68 | 8.34 | 30.70 | 29.54 | 2.55 | 7.70 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 9:05:00 AM | 9.92 | 8.48 | 30.93 | 29.45 | 2.11 | 9.20 |
| WSR04 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 9:05:00 AM | 9.89 | 8.31 | 30.37 | 29.62 | 2.19 | 9.50 |
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:14:00 AM | 9.23 | 8.36 | 31.15 | 29.62 | 2.96 | 19.50 |
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:14:00 AM | 9.90 | 8.44 | 31.03 | 29.51 | 3.03 | 20.10 |
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 3.90 | 10:13:00 AM | 8.97 | 8.39 | 30.77 | 29.60 | 2.55 | 24.40 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 3.90 | 10:13:00 AM | 9.97 | 8.32 | 30.97 | 29.53 | 2.64 | 24.40 |
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.80 | 10:12:00 AM | 10.20 | 8.49 | 31.26 | 29.67 | 2.32 | 20.20 |
| WSR04 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.80 | 10:12:00 AM | 10.27 | 8.44 | 31.05 | 29.58 | 2.10 | 19.10 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:05:00 AM | 9.23 | 8.27 | 31.41 | 30.17 | 2.52 | 2.90 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:05:00 AM | 8.75 | 8.16 | 31.27 | 30.24 | 2.45 | 2.50 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 3.50 | 11:04:00 AM | 8.72 | 8.22 | 31.52 | 30.35 | 1.93 | 2.50 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 3.50 | 11:04:00 AM | 8.43 | 8.18 | 31.11 | 30.16 | 2.26 | 2.50 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 6.00 | 11:03:00 AM | 8.09 | 8.17 | 30.78 | 30.32 | 2.02 | 5.40 |
| WSR04 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 6.00 | 11:03:00 AM | 8.98 | 8.29 | 30.97 | 30.24 | 1.76 | 5.40 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:04:00 PM | 9.08 | 8.21 | 29.99 | 30.42 | 2.49 | 7.30 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:04:00 PM | 8.21 | 8.36 | 29.90 | 30.44 | 2.55 | 7.30 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 3.75 | 12:03:00 PM | 8.28 | 8.24 | 29.88 | 30.37 | 2.37 | 2.50 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 3.75 | 12:03:00 PM | 9.00 | 8.21 | 29.39 | 30.47 | 2.61 | 2.60 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 6.50 | 12:02:00 PM | 7.89 | 8.31 | 29.88 | 30.47 | 2.12 | 7.10 |
| WSR04 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 6.50 | 12:02:00 PM | 7.72 | 8.32 | 29.41 | 30.36 | 2.39 | 7.10 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:03:00 PM | 8.45 | 8.27 | 31.25 | 30.63 | 2.48 | 8.30 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:03:00 PM | 8.35 | 8.15 | 31.00 | 30.42 | 2.28 | 8.40 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 3.90 | 2:02:00 PM | 7.90 | 8.15 | 30.94 | 30.65 | 2.61 | 9.20 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 3.90 | 2:02:00 PM | 8.40 | 8.35 | 30.74 | 30.67 | 2.37 | 9.70 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 6.80 | 2:01:00 PM | 8.24 | 8.29 | 31.15 | 30.65 | 1.84 | 8.90 |
| WSR04 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 6.80 | 2:01:00 PM | 8.58 | 8.24 | 30.77 | 30.41 | 1.62 | 9.90 |
| WSR04 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:30:00 PM | 8.61 | 8.26 | 30.72 | 30.38 | 2.93 | 11.20 |
| WSR04 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:30:00 PM | 9.16 | 8.40 | 31.03 | 30.42 | 2.88 | 11.20 |
| WSR04 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 3.40 | 3:29:00 PM | 9.17 | 8.26 | 31.00 | 30.47 | 2.41 | 9.90 |
| WSR04 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 3.40 | 3:29:00 PM | 8.50 | 8.24 | 30.24 | 30.49 | 2.79 | 9.90 |
| WSR04 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 5.80 | 3:28:00 PM | 7.95 | 8.42 | 30.42 | 30.47 | 2.28 | 3.90 |
| WSR04 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 5.80 | 3:28:00 PM | 8.46 | 8.20 | 30.79 | 30.43 | 2.70 | 5.90 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:05:00 PM | 9.25 | 8.29 | 31.11 | 28.13 | 2.54 | 7.40 |
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 5:05:00 PM | 8.64 | 8.27 | 31.01 | 28.23 | 2.36 | 7.40 |
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 3.75 | 5:04:00 PM | 9.48 | 8.30 | 30.90 | 28.21 | 2.64 | 4.10 |
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 3.75 | 5:04:00 PM | 9.60 | 8.18 | 31.25 | 28.24 | 2.42 | 3.50 |
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.50 | 5:03:00 PM | 8.67 | 8.30 | 31.17 | 28.19 | 2.21 | 2.50 |
| WSR04 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.50 | 5:03:00 PM | 8.28 | 8.26 | 31.01 | 28.31 | 1.89 | 3.20 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:33:00 AM | 7.25 | 8.10 | 30.49 | 29.26 | 1.32 | 6.40 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:33:00 AM | 7.66 | 8.17 | 29.98 | 29.30 | 1.53 | 6.40 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 3.45 | 10:32:00 AM | 8.20 | 8.01 | 29.75 | 29.13 | 1.26 | 2.50 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 3.45 | 10:32:00 AM | 7.62 | 7.92 | 30.33 | 29.15 | 1.19 | 2.50 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 5.90 | 10:31:00 AM | 7.36 | 7.95 | 30.75 | 29.21 | 1.65 | 2.50 |
| WSR04 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 5.90 | 10:31:00 AM | 7.92 | 7.88 | 29.63 | 29.28 | 1.58 | 2.50 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:06:00 PM | 7.54 | 8.25 | 29.66 | 29.38 | 2.68 | 2.50 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 12:06:00 PM | 7.48 | 8.17 | 29.70 | 29.17 | 3.19 | 2.50 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 12:05:00 PM | 7.43 | 8.08 | 29.69 | 29.34 | 2.55 | 2.50 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 12:05:00 PM | 7.53 | 8.26 | 29.75 | 29.29 | 2.74 | 2.50 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 12:04:00 PM | 7.66 | 7.96 | 29.55 | 29.36 | 3.07 | 2.50 |
| WSR04 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 12:04:00 PM | 8.00 | 8.20 | 29.61 | 29.21 | 2.56 | 2.50 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:19:00 PM | 7.75 | 8.23 | 30.51 | 29.55 | 2.52 | 7.00 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:19:00 PM | 7.38 | 8.23 | 30.43 | 29.60 | 2.39 | 7.00 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 3.50 | 2:18:00 PM | 8.23 | 8.23 | 30.12 | 29.59 | 2.63 | 2.50 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 3.50 | 2:18:00 PM | 7.56 | 8.16 | 30.60 | 29.65 | 2.38 | 3.50 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 6.00 | 2:17:00 PM | 7.89 | 8.20 | 30.55 | 29.58 | 2.14 | 7.60 |
| WSR04 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 6.00 | 2:17:00 PM | 7.58 | 8.08 | 30.30 | 29.79 | 1.81 | 7.60 |
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:45:00 PM | 8.85 | 8.27 | 29.80 | 28.39 | 3.04 | 6.20 |
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:45:00 PM | 8.63 | 8.15 | 29.89 | 28.53 | 3.43 | 5.80 |
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 3:44:00 PM | 8.89 | 8.08 | 29.81 | 28.51 | 2.79 | 2.60 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 3:44:00 PM | 8.63 | 8.11 | 29.87 | 28.40 | 3.01 | 2.50 |
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 3:43:00 PM | 8.69 | 8.13 | 29.68 | 28.51 | 2.79 | 3.10 |
| WSR04 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 3:43:00 PM | 8.41 | 8.36 | 29.81 | 28.56 | 2.54 | 2.50 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:51:00 PM | 8.42 | 7.91 | 31.03 | 28.99 | 2.78 | 7.30 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:51:00 PM | 8.70 | 7.91 | 30.97 | 28.85 | 3.12 | 6.90 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 4:50:00 PM | 8.74 | 8.08 | 31.10 | 28.92 | 3.07 | 2.50 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 3.35 | 4:50:00 PM | 8.59 | 7.96 | 30.81 | 28.88 | 2.59 | 2.80 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 4:49:00 PM | 8.82 | 8.08 | 31.02 | 28.84 | 2.63 | 4.20 |
| WSR04 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.70 | 4:49:00 PM | 8.69 | 7.98 | 30.92 | 28.95 | 2.75 | 2.50 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:55:00 PM | 10.11 | 8.24 | 31.92 | 30.54 | 2.52 | 2.90 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:55:00 PM | 9.80 | 8.32 | 31.05 | 30.59 | 2.99 | 2.50 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 7.70 | 3:54:00 PM | 9.87 | 8.45 | 31.83 | 30.57 | 2.70 | 2.50 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 7.70 | 3:54:00 PM | 10.16 | 8.40 | 31.91 | 30.55 | 2.37 | 2.50 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.40 | 3:53:00 PM | 10.24 | 8.31 | 31.97 | 30.62 | 2.74 | 4.60 |
| WSR16 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.40 | 3:53:00 PM | 10.16 | 8.34 | 31.39 | 30.67 | 2.47 | 4.60 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:20:00 AM | 9.52 | 8.22 | 31.67 | 29.37 | 2.34 | 6.10 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:20:00 AM | 9.98 | 8.24 | 30.94 | 29.25 | 2.15 | 6.80 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 7.55 | 8:19:00 AM | 8.73 | 8.49 | 30.81 | 29.38 | 2.49 | 5.10 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 7.55 | 8:19:00 AM | 8.99 | 8.46 | 30.63 | 29.25 | 2.16 | 7.60 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.10 | 8:18:00 AM | 8.92 | 8.46 | 31.16 | 29.39 | 2.28 | 5.60 |
| WSR16 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.10 | 8:18:00 AM | 8.70 | 8.33 | 30.63 | 29.33 | 2.35 | 8.00 |
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:05:00 AM | 9.17 | 8.47 | 31.25 | 29.35 | 2.79 | 22.00 |
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:05:00 AM | 10.02 | 8.41 | 30.91 | 29.43 | 3.14 | 22.00 |
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 7.95 | 9:04:00 AM | 9.61 | 8.37 | 30.63 | 29.26 | 2.38 | 21.60 |
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 7.95 | 9:04:00 AM | 9.88 | 8.40 | 30.58 | 29.36 | 2.25 | 21.60 |
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.90 | 9:03:00 AM | 9.19 | 8.33 | 31.02 | 29.39 | 2.12 | 19.80 |
| WSR16 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.90 | 9:03:00 AM | 8.98 | 8.39 | 30.68 | 29.43 | 2.45 | 18.00 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:04:00 AM | 8.51 | 8.40 | 30.95 | 30.09 | 2.50 | 2.50 |
| WSR16 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:04:00 AM | 9.00 | 8.16 | 30.78 | 30.15 | 2.24 | 2.50 |
| WSR16 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 7.75 | 10:03:00 AM | 8.17 | 8.24 | 30.93 | 30.10 | 2.14 | 2.50 |
| WSR16 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 7.75 | 10:03:00 AM | 9.14 | 8.23 | 31.21 | 30.13 | 2.49 | 3.90 |
| WSR16 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 14.50 | 10:02:00 AM | 8.84 | 8.33 | 31.38 | 30.16 | 1.69 | 2.50 |
| WSR16 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 14.50 | 10:02:00 AM | 9.13 | 8.22 | 31.12 | 30.11 | 1.58 | 2.50 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:07:00 AM | 9.02 | 8.25 | 30.11 | 30.15 | 2.33 | 2.50 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:07:00 AM | 8.74 | 8.34 | 29.51 | 30.11 | 2.44 | 2.50 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 8.35 | 11:06:00 AM | 7.80 | 8.39 | 29.53 | 30.25 | 2.18 | 2.70 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 8.35 | 11:06:00 AM | 8.42 | 8.29 | 29.93 | 30.13 | 2.06 | 4.40 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 15.70 | 11:05:00 AM | 8.75 | 8.30 | 29.90 | 30.15 | 2.11 | 3.90 |
| WSR16 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 15.70 | 11:05:00 AM | 7.96 | 8.30 | 29.67 | 30.12 | 2.19 | 2.50 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:04:00 PM | 7.83 | 8.25 | 30.90 | 30.38 | 2.22 | 10.30 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:04:00 PM | 8.23 | 8.15 | 30.83 | 30.41 | 2.60 | 10.00 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 8.20 | 1:03:00 PM | 7.90 | 8.22 | 31.15 | 30.54 | 2.34 | 8.40 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 8.20 | 1:03:00 PM | 8.07 | 8.23 | 30.94 | 30.39 | 2.04 | 12.70 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 15.40 | 1:02:00 PM | 7.71 | 8.18 | 31.01 | 30.33 | 2.06 | 10.80 |
| WSR16 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 15.40 | 1:02:00 PM | 7.93 | 8.25 | 31.06 | 30.28 | 2.31 | 8.90 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:22:00 PM | 7.73 | 8.20 | 30.91 | 30.58 | 3.05 | 3.70 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:22:00 PM | 8.69 | 8.31 | 30.85 | 30.67 | 3.21 | 2.70 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 8.15 | 2:21:00 PM | 8.90 | 8.24 | 30.66 | 30.64 | 2.42 | 9.60 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 8.15 | 2:21:00 PM | 9.04 | 8.23 | 30.68 | 30.47 | 2.64 | 9.60 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 15.30 | 2:20:00 PM | 8.90 | 8.27 | 30.92 | 30.58 | 2.68 | 7.40 |
| WSR16 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 15.30 | 2:20:00 PM | 8.66 | 8.30 | 30.49 | 30.67 | 2.61 | 8.40 |
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:53:00 PM | 9.00 | 8.22 | 30.84 | 28.60 | 2.47 | 3.50 |
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:53:00 PM | 8.27 | 8.35 | 30.97 | 28.62 | 2.42 | 2.50 |
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 8.40 | 3:52:00 PM | 8.59 | 8.27 | 31.18 | 28.47 | 2.45 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 8.40 | 3:52:00 PM | 8.44 | 8.32 | 30.58 | 28.52 | 2.84 | 2.50 |
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.80 | 3:51:00 PM | 8.21 | 8.35 | 31.03 | 28.43 | 2.34 | 4.30 |
| WSR16 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.80 | 3:51:00 PM | 9.36 | 8.28 | 30.81 | 28.46 | 2.49 | 2.90 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 9:24:00 AM | 7.12 | 8.15 | 30.11 | 29.09 | 3.58 | 2.50 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 9:24:00 AM | 7.17 | 7.99 | 29.96 | 29.02 | 3.32 | 2.50 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 7.80 | 9:23:00 AM | 8.25 | 7.95 | 30.76 | 28.97 | 3.66 | 7.60 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 7.80 | 9:23:00 AM | 7.48 | 8.08 | 29.81 | 29.01 | 3.51 | 7.60 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 14.60 | 9:22:00 AM | 7.34 | 8.20 | 30.65 | 28.98 | 3.41 | 2.50 |
| WSR16 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 14.60 | 9:22:00 AM | 8.14 | 8.07 | 30.00 | 29.08 | 3.25 | 2.50 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:03:00 AM | 8.26 | 8.01 | 29.74 | 29.02 | 3.13 | 2.50 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:03:00 AM | 7.66 | 8.19 | 29.76 | 28.99 | 3.37 | 2.50 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 7.70 | 11:02:00 AM | 8.20 | 8.17 | 29.61 | 28.97 | 2.30 | 2.50 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 7.70 | 11:02:00 AM | 7.30 | 8.30 | 29.58 | 29.10 | 2.41 | 2.50 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.40 | 11:01:00 AM | 8.03 | 8.21 | 29.56 | 28.99 | 2.42 | 2.50 |
| WSR16 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 14.40 | 11:01:00 AM | 8.33 | 8.03 | 29.57 | 28.98 | 2.14 | 2.50 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:17:00 PM | 8.78 | 8.18 | 30.87 | 29.73 | 2.79 | 7.40 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:17:00 PM | 8.70 | 8.23 | 30.53 | 29.79 | 2.65 | 7.40 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 7.55 | 1:16:00 PM | 8.55 | 8.28 | 30.47 | 29.81 | 2.68 | 3.10 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 7.55 | 1:16:00 PM | 8.19 | 8.08 | 30.87 | 29.85 | 2.34 | 4.80 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 14.10 | 1:15:00 PM | 8.63 | 8.11 | 30.85 | 29.74 | 2.85 | 3.30 |
| WSR16 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 14.10 | 1:15:00 PM | 8.68 | 8.15 | 30.44 | 29.84 | 2.89 | 3.40 |
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 2:40:00 PM | 8.18 | 8.05 | 30.18 | 28.79 | 3.64 | 8.00 |
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 2:40:00 PM | 8.38 | 8.11 | 30.14 | 28.74 | 3.14 | 7.80 |
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 8.00 | 2:39:00 PM | 7.93 | 8.06 | 29.81 | 28.78 | 3.53 | 2.50 |
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 8.00 | 2:39:00 PM | 8.51 | 8.29 | 30.04 | 28.72 | 3.09 | 2.50 |
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.00 | 2:38:00 PM | 8.49 | 7.94 | 29.79 | 28.84 | 2.76 | 2.50 |
| WSR16 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.00 | 2:38:00 PM | 8.57 | 8.11 | 29.92 | 28.90 | 3.11 | 4.10 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:52:00 PM | 7.84 | 8.30 | 30.59 | 29.11 | 3.00 | 3.30 |
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:52:00 PM | 8.00 | 8.12 | 30.91 | 29.22 | 3.28 | 2.50 |
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 8.15 | 3:51:00 PM | 8.40 | 8.20 | 30.38 | 29.15 | 3.15 | 2.50 |
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 8.15 | 3:51:00 PM | 8.35 | 8.13 | 30.75 | 29.12 | 3.21 | 2.50 |
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.30 | 3:50:00 PM | 8.11 | 8.15 | 31.08 | 29.13 | 2.56 | 5.90 |
| WSR16 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 15.30 | 3:50:00 PM | 7.73 | 8.11 | 30.90 | 29.24 | 2.45 | 5.50 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:50:00 PM | 9.82 | 8.49 | 31.36 | 30.31 | 2.45 | 2.50 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:50:00 PM | 9.93 | 8.26 | 31.14 | 30.46 | 2.54 | 2.50 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 3.55 | 4:49:00 PM | 9.90 | 8.49 | 31.49 | 30.42 | 2.42 | 2.50 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 3.55 | 4:49:00 PM | 9.44 | 8.41 | 31.88 | 30.44 | 2.82 | 2.50 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.10 | 4:48:00 PM | 10.00 | 8.37 | 31.85 | 30.39 | 2.61 | 2.50 |
| WSR33 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.10 | 4:48:00 PM | 9.27 | 8.39 | 31.38 | 30.48 | 2.72 | 2.50 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:58:00 AM | 8.80 | 8.23 | 30.76 | 29.48 | 2.86 | 8.30 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:58:00 AM | 9.27 | 8.46 | 30.72 | 29.34 | 2.52 | 8.10 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 3.75 | 8:57:00 AM | 8.82 | 8.30 | 30.93 | 29.58 | 2.26 | 9.10 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 3.75 | 8:57:00 AM | 9.79 | 8.50 | 30.81 | 29.49 | 2.11 | 8.00 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.50 | 8:56:00 AM | 8.61 | 8.34 | 31.18 | 29.49 | 2.16 | 9.10 |
| WSR33 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.50 | 8:56:00 AM | 9.03 | 8.25 | 31.06 | 29.38 | 2.06 | 9.90 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:57:00 AM | 10.19 | 8.40 | 30.61 | 29.64 | 2.72 | 20.40 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:57:00 AM | 10.08 | 8.31 | 30.77 | 29.65 | 2.83 | 21.10 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 9:56:00 AM | 9.04 | 8.34 | 30.74 | 29.66 | 2.31 | 25.60 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 9:56:00 AM | 9.00 | 8.34 | 30.99 | 29.53 | 2.45 | 25.60 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 9:55:00 AM | 9.82 | 8.43 | 30.69 | 29.64 | 2.41 | 20.00 |
| WSR33 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 9:55:00 AM | 9.19 | 8.35 | 30.61 | 29.67 | 2.11 | 19.40 |
| WSR33 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:51:00 AM | 9.06 | 8.38 | 30.84 | 30.19 | 2.55 | 2.50 |
| WSR33 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:51:00 AM | 8.10 | 8.26 | 31.05 | 30.20 | 2.66 | 2.50 |
| WSR33 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 3.75 | 10:50:00 AM | 8.33 | 8.17 | 30.84 | 30.34 | 2.10 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 3.75 | 10:50:00 AM | 8.58 | 8.32 | 31.38 | 30.26 | 2.00 | 2.50 |
| WSR33 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 6.50 | 10:49:00 AM | 8.92 | 8.16 | 30.77 | 30.25 | 2.22 | 2.50 |
| WSR33 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 6.50 | 10:49:00 AM | 9.36 | 8.22 | 31.55 | 30.20 | 2.37 | 2.50 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:51:00 AM | 8.78 | 8.24 | 29.40 | 30.32 | 2.62 | 5.20 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:51:00 AM | 8.87 | 8.31 | 29.74 | 30.29 | 3.09 | 3.30 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 3.75 | 11:50:00 AM | 9.07 | 8.39 | 30.00 | 30.30 | 2.43 | 2.50 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 3.75 | 11:50:00 AM | 7.86 | 8.21 | 29.88 | 30.46 | 2.19 | 2.50 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 6.50 | 11:49:00 AM | 8.42 | 8.33 | 29.55 | 30.30 | 2.02 | 2.50 |
| WSR33 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 6.50 | 11:49:00 AM | 8.08 | 8.32 | 30.01 | 30.34 | 2.01 | 2.50 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:49:00 PM | 8.28 | 8.18 | 30.78 | 30.44 | 2.83 | 2.50 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:49:00 PM | 8.20 | 8.30 | 31.25 | 30.63 | 2.59 | 2.50 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 3.80 | 1:48:00 PM | 8.55 | 8.22 | 30.78 | 30.59 | 2.02 | 5.60 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 3.80 | 1:48:00 PM | 8.56 | 8.14 | 31.07 | 30.59 | 2.25 | 5.60 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 6.60 | 1:47:00 PM | 7.95 | 8.21 | 31.22 | 30.50 | 1.69 | 4.10 |
| WSR33 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 6.60 | 1:47:00 PM | 8.28 | 8.36 | 30.74 | 30.51 | 1.58 | 4.80 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:13:00 PM | 7.91 | 8.42 | 30.37 | 30.39 | 2.98 | 9.30 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 3:13:00 PM | 8.05 | 8.32 | 30.38 | 30.48 | 2.65 | 9.30 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 3.80 | 3:12:00 PM | 8.86 | 8.45 | 31.14 | 30.48 | 2.15 | 4.30 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 3.80 | 3:12:00 PM | 8.64 | 8.32 | 31.06 | 30.39 | 2.44 | 5.40 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 6.60 | 3:11:00 PM | 8.51 | 8.37 | 30.62 | 30.34 | 2.21 | 12.00 |
| WSR33 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 6.60 | 3:11:00 PM | 7.89 | 8.32 | 31.12 | 30.48 | 2.53 | 12.00 |
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:51:00 PM | 8.63 | 8.23 | 31.01 | 28.46 | 2.92 | 2.50 |
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:51:00 PM | 8.85 | 8.23 | 30.94 | 28.28 | 2.92 | 3.40 |
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 4:50:00 PM | 8.76 | 8.31 | 30.80 | 28.53 | 2.65 | 3.80 |
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 4:50:00 PM | 8.89 | 8.30 | 30.91 | 28.32 | 2.39 | 3.80 |
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 4:49:00 PM | 8.37 | 8.31 | 31.19 | 28.41 | 2.57 | 6.30 |
| WSR33 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 4:49:00 PM | 9.43 | 8.33 | 31.17 | 28.24 | 2.54 | 6.30 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:18:00 AM | 8.21 | 7.98 | 29.92 | 29.15 | 1.36 | 6.50 |
| WSR33 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:18:00 AM | 8.09 | 8.03 | 29.82 | 29.29 | 1.51 | 6.50 |
| WSR33 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 3.65 | 10:17:00 AM | 8.18 | 8.16 | 29.70 | 29.24 | 1.72 | 2.50 |
| WSR33 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 3.65 | 10:17:00 AM | 7.46 | 7.91 | 30.46 | 29.25 | 1.65 | 2.60 |
| WSR33 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 6.30 | 10:16:00 AM | 7.70 | 7.89 | 29.63 | 29.24 | 1.28 | 11.10 |
| WSR33 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 6.30 | 10:16:00 AM | 7.96 | 8.06 | 30.65 | 29.10 | 1.34 | 10.70 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:51:00 AM | 8.00 | 7.96 | 29.60 | 29.13 | 3.03 | 2.50 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:51:00 AM | 7.34 | 8.00 | 29.66 | 29.08 | 2.75 | 2.50 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 3.50 | 11:50:00 AM | 8.01 | 8.27 | 29.64 | 29.22 | 2.52 | 2.50 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 3.50 | 11:50:00 AM | 7.80 | 8.08 | 29.73 | 29.14 | 2.90 | 2.50 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.00 | 11:49:00 AM | 7.59 | 8.29 | 29.62 | 29.16 | 2.84 | 2.50 |
| WSR33 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.00 | 11:49:00 AM | 7.65 | 7.97 | 29.61 | 29.17 | 2.46 | 2.50 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:06:00 PM | 7.45 | 8.11 | 30.17 | 29.58 | 2.01 | 9.20 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:06:00 PM | 8.37 | 8.19 | 30.18 | 29.65 | 2.39 | 9.50 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 3.65 | 2:05:00 PM | 7.57 | 8.29 | 30.49 | 29.66 | 2.23 | 4.00 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 3.65 | 2:05:00 PM | 8.16 | 8.21 | 30.55 | 29.63 | 1.93 | 3.30 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 6.30 | 2:04:00 PM | 8.37 | 8.09 | 30.27 | 29.73 | 1.99 | 8.60 |
| WSR33 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 6.30 | 2:04:00 PM | 8.56 | 8.22 | 30.56 | 29.64 | 1.76 | 7.60 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:30:00 PM | 8.43 | 8.07 | 30.07 | 28.44 | 3.11 | 2.50 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:30:00 PM | 8.32 | 8.12 | 29.76 | 28.65 | 3.17 | 2.50 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 3:29:00 PM | 8.84 | 8.11 | 30.05 | 28.45 | 2.84 | 2.50 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 3:29:00 PM | 8.98 | 7.99 | 29.72 | 28.49 | 3.05 | 2.50 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 3:28:00 PM | 8.61 | 7.97 | 30.02 | 28.44 | 2.82 | 3.60 |
| WSR33 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 3:28:00 PM | 9.01 | 8.23 | 30.07 | 28.62 | 3.21 | 2.50 |
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:38:00 PM | 8.56 | 8.25 | 30.57 | 28.99 | 3.07 | 9.20 |
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:38:00 PM | 8.76 | 8.04 | 31.11 | 28.90 | 3.34 | 9.00 |
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 4:37:00 PM | 8.48 | 8.15 | 31.00 | 28.84 | 2.41 | 8.80 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 4:37:00 PM | 8.17 | 8.12 | 30.79 | 28.92 | 2.59 | 6.70 |
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 4:36:00 PM | 8.14 | 8.18 | 30.52 | 28.99 | 2.33 | 8.60 |
| WSR33 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 4:36:00 PM | 8.14 | 8.15 | 30.67 | 28.98 | 2.31 | 8.70 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:33:00 PM | 9.37 | 8.43 | 31.82 | 30.41 | 3.21 | 2.50 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:33:00 PM | 9.54 | 8.28 | 31.87 | 30.33 | 3.25 | 2.50 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 3.55 | 4:33:00 PM | 9.32 | 8.39 | 31.25 | 30.44 | 2.71 | 2.50 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 3.55 | 4:33:00 PM | 9.34 | 8.27 | 31.56 | 30.50 | 2.72 | 2.50 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.10 | 4:32:00 PM | 9.53 | 8.43 | 30.93 | 30.46 | 2.55 | 2.50 |
| WSR36 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.10 | 4:32:00 PM | 10.25 | 8.26 | 31.34 | 30.49 | 2.48 | 2.50 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:48:00 AM | 9.99 | 8.32 | 31.10 | 29.49 | 2.41 | 8.40 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:48:00 AM | 9.50 | 8.48 | 30.43 | 29.38 | 2.42 | 7.40 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 3.50 | 8:48:00 AM | 8.60 | 8.39 | 31.33 | 29.37 | 2.70 | 8.00 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 3.50 | 8:48:00 AM | 10.16 | 8.36 | 31.68 | 29.40 | 2.57 | 7.50 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.00 | 8:47:00 AM | 9.30 | 8.46 | 30.78 | 29.43 | 2.00 | 7.10 |
| WSR36 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.00 | 8:47:00 AM | 9.86 | 8.40 | 30.28 | 29.30 | 2.19 | 7.10 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:43:00 AM | 9.93 | 8.40 | 30.67 | 29.50 | 2.81 | 24.00 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:43:00 AM | 10.11 | 8.41 | 30.73 | 29.56 | 2.77 | 21.30 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 3.40 | 9:43:00 AM | 9.28 | 8.38 | 31.08 | 29.46 | 2.27 | 19.70 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 3.40 | 9:43:00 AM | 9.98 | 8.36 | 30.94 | 29.47 | 2.30 | 19.10 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.80 | 9:42:00 AM | 9.69 | 8.44 | 30.82 | 29.51 | 2.21 | 23.40 |
| WSR36 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.80 | 9:42:00 AM | 10.20 | 8.47 | 30.54 | 29.53 | 2.21 | 23.40 |
| WSR36 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:37:00 AM | 8.14 | 8.38 | 30.87 | 30.18 | 2.46 | 5.40 |
| WSR36 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:37:00 AM | 9.11 | 8.35 | 30.82 | 30.29 | 2.48 | 5.40 |
| WSR36 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 3.65 | 10:37:00 AM | 7.87 | 8.31 | 31.16 | 30.28 | 2.38 | 2.50 |
| WSR36 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 3.65 | 10:37:00 AM | 7.98 | 8.31 | 30.89 | 30.18 | 2.63 | 2.50 |
| WSR36 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 6.30 | 10:36:00 AM | 8.07 | 8.21 | 30.99 | 30.16 | 2.22 | 2.50 |
| WSR36 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 6.30 | 10:36:00 AM | 8.48 | 8.25 | 31.35 | 30.33 | 2.33 | 4.00 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR36 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:38:00 AM | 7.88 | 8.36 | 29.44 | 30.44 | 2.50 | 2.80 |
| WSR36 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:38:00 AM | 7.63 | 8.36 | 30.07 | 30.44 | 2.53 | 2.90 |
| WSR36 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 3.35 | 11:38:00 AM | 8.49 | 8.25 | 29.69 | 30.47 | 2.18 | 2.50 |
| WSR36 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 3.35 | 11:38:00 AM | 8.18 | 8.31 | 29.89 | 30.42 | 2.50 | 3.10 |
| WSR36 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 5.70 | 11:37:00 AM | 7.98 | 8.38 | 30.10 | 30.32 | 1.76 | 2.50 |
| WSR36 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 5.70 | 11:37:00 AM | 7.62 | 8.34 | 29.73 | 30.40 | 1.92 | 2.50 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:36:00 PM | 7.84 | 8.36 | 30.65 | 30.62 | 2.62 | 2.50 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:36:00 PM | 8.49 | 8.32 | 31.26 | 30.48 | 2.78 | 2.50 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 3.70 | 1:36:00 PM | 8.50 | 8.23 | 30.68 | 30.40 | 2.27 | 13.60 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 3.70 | 1:36:00 PM | 8.45 | 8.30 | 30.70 | 30.51 | 2.64 | 10.50 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 6.40 | 1:35:00 PM | 7.63 | 8.12 | 31.25 | 30.40 | 1.55 | 2.50 |
| WSR36 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 6.40 | 1:35:00 PM | 8.07 | 8.35 | 31.20 | 30.37 | 1.81 | 2.50 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:58:00 PM | 8.03 | 8.35 | 30.51 | 30.41 | 2.38 | 5.80 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:58:00 PM | 8.58 | 8.37 | 30.31 | 30.37 | 2.72 | 4.40 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 3.15 | 2:58:00 PM | 8.25 | 8.34 | 31.15 | 30.49 | 2.64 | 3.40 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 3.15 | 2:58:00 PM | 8.89 | 8.28 | 30.71 | 30.52 | 2.27 | 4.50 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 5.30 | 2:57:00 PM | 9.02 | 8.38 | 30.79 | 30.42 | 2.06 | 10.40 |
| WSR36 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 5.30 | 2:57:00 PM | 7.96 | 8.20 | 30.99 | 30.44 | 2.33 | 10.40 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:34:00 PM | 8.33 | 8.18 | 30.67 | 28.39 | 2.90 | 2.50 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:34:00 PM | 9.24 | 8.29 | 30.71 | 28.37 | 2.97 | 3.60 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 4:34:00 PM | 9.53 | 8.30 | 30.71 | 28.34 | 2.13 | 4.80 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 3.60 | 4:34:00 PM | 9.36 | 8.32 | 30.84 | 28.49 | 2.50 | 4.80 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 4:33:00 PM | 9.44 | 8.30 | 30.63 | 28.42 | 1.98 | 2.50 |
| WSR36 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.20 | 4:33:00 PM | 8.78 | 8.25 | 30.85 | 28.36 | 2.04 | 2.50 |
| WSR36 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:01:00 AM | 7.40 | 7.92 | 29.84 | 29.01 | 1.63 | 5.70 |
| WSR36 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:01:00 AM | 7.52 | 8.08 | 30.22 | 29.09 | 1.81 | 5.70 |
| WSR36 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 3.75 | 10:01:00 AM | 8.01 | 8.05 | 30.27 | 29.18 | 1.31 | 4.30 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR36 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 3.75 | 10:01:00 AM | 7.73 | 8.02 | 29.97 | 29.09 | 1.33 | 3.80 |
| WSR36 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 6.50 | 10:00:00 AM | 7.40 | 8.04 | 29.70 | 29.22 | 1.35 | 3.20 |
| WSR36 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 6.50 | 10:00:00 AM | 8.02 | 7.95 | 29.75 | 29.05 | 1.31 | 3.20 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:36:00 AM | 7.43 | 8.31 | 29.67 | 29.06 | 3.48 | 2.50 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:36:00 AM | 7.48 | 8.23 | 29.76 | 29.14 | 2.91 | 2.50 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 11:36:00 AM | 7.82 | 8.29 | 29.60 | 29.06 | 2.57 | 2.50 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 11:36:00 AM | 7.69 | 8.22 | 29.68 | 29.20 | 2.29 | 2.50 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 11:35:00 AM | 8.28 | 8.00 | 29.54 | 29.25 | 2.28 | 2.50 |
| WSR36 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 11:35:00 AM | 7.51 | 8.19 | 29.75 | 29.13 | 2.70 | 2.50 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:52:00 PM | 8.36 | 8.07 | 30.07 | 29.76 | 2.20 | 8.70 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:52:00 PM | 8.56 | 8.10 | 30.45 | 29.66 | 2.29 | 8.70 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 3.30 | 1:52:00 PM | 7.69 | 8.21 | 30.70 | 29.72 | 2.13 | 8.80 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 3.30 | 1:52:00 PM | 8.42 | 8.15 | 30.13 | 29.70 | 1.89 | 7.60 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 5.60 | 1:51:00 PM | 8.44 | 8.06 | 30.34 | 29.69 | 1.59 | 8.40 |
| WSR36 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 5.60 | 1:51:00 PM | 7.62 | 8.26 | 30.24 | 29.77 | 1.88 | 7.40 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:16:00 PM | 9.08 | 8.24 | 29.79 | 28.49 | 3.52 | 2.70 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:16:00 PM | 8.47 | 8.17 | 29.90 | 28.47 | 3.38 | 2.50 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 3:16:00 PM | 8.95 | 8.15 | 29.72 | 28.49 | 3.23 | 2.50 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 3.70 | 3:16:00 PM | 8.29 | 8.24 | 29.87 | 28.61 | 3.25 | 2.50 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 3:15:00 PM | 8.68 | 8.29 | 29.92 | 28.64 | 3.08 | 2.50 |
| WSR36 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.40 | 3:15:00 PM | 8.19 | 7.99 | 29.81 | 28.68 | 2.94 | 3.60 |
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:25:00 PM | 8.25 | 8.13 | 30.50 | 29.01 | 2.95 | 9.20 |
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:25:00 PM | 8.58 | 8.01 | 31.20 | 28.96 | 3.30 | 9.60 |
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 3.15 | 4:25:00 PM | 8.17 | 8.17 | 31.11 | 29.04 | 2.42 | 2.50 |
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 3.15 | 4:25:00 PM | 8.32 | 8.15 | 30.81 | 29.06 | 2.76 | 2.50 |
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.30 | 4:24:00 PM | 8.46 | 8.19 | 30.63 | 28.93 | 2.65 | 6.90 |
| WSR36 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 5.30 | 4:24:00 PM | 8.42 | 8.20 | 31.16 | 28.93 | 2.58 | 8.30 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:19:00 PM | 9.48 | 8.31 | 31.71 | 30.38 | 3.32 | 2.50 |
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:19:00 PM | 10.00 | 8.33 | 31.71 | 30.41 | 2.96 | 2.50 |
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 4:18:00 PM | 9.83 | 8.35 | 31.78 | 30.56 | 2.79 | 2.50 |
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 4:18:00 PM | 10.21 | 8.42 | 30.94 | 30.46 | 2.46 | 2.50 |
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 4:17:00 PM | 9.85 | 8.25 | 31.88 | 30.51 | 2.71 | 2.50 |
| WSR37 | 20210701 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 4:17:00 PM | 10.01 | 8.37 | 31.82 | 30.52 | 2.36 | 2.50 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:40:00 AM | 9.19 | 8.33 | 30.64 | 29.29 | 2.34 | 5.20 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:40:00 AM | 8.78 | 8.33 | 30.93 | 29.26 | 2.26 | 4.70 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 8:39:00 AM | 9.43 | 8.31 | 30.84 | 29.28 | 2.36 | 3.90 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Ebb | Middle | 3.80 | 8:39:00 AM | 8.61 | 8.46 | 31.20 | 29.27 | 2.06 | 4.50 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 8:38:00 AM | 9.75 | 8.22 | 30.85 | 29.31 | 2.54 | 5.60 |
| WSR37 | 20210703 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.60 | 8:38:00 AM | 9.77 | 8.22 | 30.87 | 29.49 | 2.41 | 4.50 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:27:00 AM | 10.15 | 8.46 | 31.04 | 29.46 | 3.12 | 28.30 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 9:27:00 AM | 10.13 | 8.46 | 30.86 | 29.48 | 3.21 | 28.30 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 4.35 | 9:26:00 AM | 9.42 | 8.40 | 30.66 | 29.42 | 2.29 | 23.60 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Ebb | Middle | 4.35 | 9:26:00 AM | 9.18 | 8.31 | 31.08 | 29.33 | 2.62 | 23.60 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.70 | 9:25:00 AM | 9.64 | 8.34 | 30.70 | 29.41 | 2.36 | 20.30 |
| WSR37 | 20210706 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.70 | 9:25:00 AM | 10.01 | 8.43 | 30.57 | 29.49 | 2.00 | 19.50 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:24:00 AM | 8.36 | 8.27 | 31.43 | 30.20 | 2.46 | 2.50 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:24:00 AM | 8.59 | 8.15 | 30.86 | 30.29 | 2.55 | 2.50 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 4.15 | 10:23:00 AM | 9.05 | 8.34 | 31.37 | 30.34 | 2.02 | 2.50 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Ebb | Middle | 4.15 | 10:23:00 AM | 8.68 | 8.31 | 30.77 | 30.16 | 1.82 | 2.50 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 7.30 | 10:22:00 AM | 8.49 | 8.16 | 31.54 | 30.31 | 2.28 | 2.50 |
| WSR37 | 20210708 | Sunny | Moderate | Mid-Ebb | Bottom | 7.30 | 10:22:00 AM | 8.87 | 8.15 | 30.79 | 30.24 | 2.03 | 2.50 |
| WSR37 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:26:00 AM | 8.31 | 8.38 | 29.66 | 30.29 | 2.86 | 2.50 |
| WSR37 | 20210710 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:26:00 AM | 7.76 | 8.38 | 30.05 | 30.31 | 2.47 | 2.90 |
| WSR37 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 4.05 | 11:25:00 AM | 8.85 | 8.34 | 30.05 | 30.26 | 2.39 | 6.20 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR37 | 20210710 | Sunny | Moderate | Mid-Ebb | Middle | 4.05 | 11:25:00 AM | 8.87 | 8.23 | 30.00 | 30.36 | 2.03 | 6.20 |
| WSR37 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 7.10 | 11:24:00 AM | 7.76 | 8.40 | 30.09 | 30.36 | 2.45 | 11.00 |
| WSR37 | 20210710 | Sunny | Moderate | Mid-Ebb | Bottom | 7.10 | 11:24:00 AM | 8.12 | 8.29 | 29.68 | 30.27 | 2.16 | 12.00 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:24:00 PM | 8.48 | 8.25 | 30.88 | 30.39 | 2.49 | 8.10 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:24:00 PM | 7.94 | 8.21 | 30.64 | 30.39 | 2.77 | 8.10 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 4.40 | 1:23:00 PM | 8.47 | 8.15 | 30.95 | 30.38 | 2.12 | 5.80 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Ebb | Middle | 4.40 | 1:23:00 PM | 8.61 | 8.17 | 30.95 | 30.45 | 2.35 | 5.80 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 7.80 | 1:22:00 PM | 8.20 | 8.27 | 30.79 | 30.55 | 2.09 | 5.00 |
| WSR37 | 20210713 | Sunny | Moderate | Mid-Ebb | Bottom | 7.80 | 1:22:00 PM | 7.67 | 8.16 | 31.10 | 30.28 | 2.42 | 5.00 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:44:00 PM | 8.17 | 8.27 | 30.29 | 30.56 | 3.04 | 11.10 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:44:00 PM | 8.39 | 8.27 | 30.71 | 30.57 | 2.99 | 11.10 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 3.95 | 2:43:00 PM | 7.77 | 8.24 | 30.38 | 30.56 | 2.59 | 15.60 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Ebb | Middle | 3.95 | 2:43:00 PM | 8.16 | 8.26 | 30.40 | 30.49 | 2.19 | 12.70 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 6.90 | 2:42:00 PM | 9.10 | 8.28 | 31.08 | 30.46 | 2.25 | 4.00 |
| WSR37 | 20210715 | Sunny | Moderate | Mid-Ebb | Bottom | 6.90 | 2:42:00 PM | 7.97 | 8.23 | 30.90 | 30.61 | 2.05 | 2.80 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:18:00 PM | 9.16 | 8.25 | 30.78 | 28.55 | 2.92 | 7.60 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:18:00 PM | 8.65 | 8.35 | 31.12 | 28.57 | 2.66 | 7.60 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 4:17:00 PM | 8.84 | 8.20 | 30.63 | 28.59 | 2.40 | 2.70 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Ebb | Middle | 4.20 | 4:17:00 PM | 8.79 | 8.22 | 30.99 | 28.46 | 2.82 | 2.60 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 4:16:00 PM | 8.79 | 8.28 | 31.07 | 28.52 | 2.64 | 2.50 |
| WSR37 | 20210717 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.40 | 4:16:00 PM | 8.56 | 8.30 | 30.92 | 28.49 | 2.39 | 2.50 |
| WSR37 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 9:46:00 AM | 7.57 | 8.12 | 29.74 | 29.15 | 1.52 | 2.50 |
| WSR37 | 20210722 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 9:46:00 AM | 7.45 | 7.99 | 30.73 | 29.17 | 1.77 | 2.50 |
| WSR37 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 4.15 | 9:45:00 AM | 7.25 | 8.18 | 30.49 | 29.05 | 1.50 | 2.50 |
| WSR37 | 20210722 | Sunny | Moderate | Mid-Ebb | Middle | 4.15 | 9:45:00 AM | 7.48 | 7.99 | 29.83 | 29.00 | 1.28 | 2.50 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| WSR37 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 7.30 | 9:44:00 AM | 7.43 | 8.01 | 30.23 | 29.00 | 0.96 | 2.50 |
| WSR37 | 20210722 | Sunny | Moderate | Mid-Ebb | Bottom | 7.30 | 9:44:00 AM | 8.08 | 8.16 | 30.52 | 29.05 | 0.85 | 2.50 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:24:00 AM | 7.79 | 8.30 | 29.56 | 29.08 | 3.05 | 2.50 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 11:24:00 AM | 8.34 | 8.25 | 29.54 | 28.96 | 3.22 | 2.50 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 4.35 | 11:23:00 AM | 7.86 | 8.21 | 29.66 | 28.98 | 2.64 | 2.50 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Ebb | Middle | 4.35 | 11:23:00 AM | 7.50 | 7.98 | 29.60 | 29.04 | 2.75 | 2.50 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.70 | 11:22:00 AM | 7.90 | 8.12 | 29.73 | 29.00 | 2.50 | 2.50 |
| WSR37 | 20210724 | Cloudy | Moderate | Mid-Ebb | Bottom | 7.70 | 11:22:00 AM | 7.28 | 7.99 | 29.65 | 29.09 | 2.80 | 2.50 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:39:00 PM | 8.58 | 8.18 | 30.43 | 29.76 | 1.99 | 9.00 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:39:00 PM | 7.98 | 8.14 | 30.29 | 29.71 | 1.83 | 8.00 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 4.15 | 1:38:00 PM | 7.97 | 8.08 | 30.63 | 29.87 | 1.99 | 5.30 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Ebb | Middle | 4.15 | 1:38:00 PM | 7.94 | 8.10 | 30.48 | 29.78 | 2.32 | 7.10 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 7.30 | 1:37:00 PM | 8.76 | 8.12 | 30.50 | 29.75 | 1.92 | 8.00 |
| WSR37 | 20210727 | Sunny | Moderate | Mid-Ebb | Bottom | 7.30 | 1:37:00 PM | 8.28 | 8.17 | 30.78 | 29.70 | 1.67 | 7.70 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:02:00 PM | 8.70 | 8.32 | 30.08 | 28.56 | 3.28 | 9.80 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 3:02:00 PM | 8.46 | 8.33 | 30.02 | 28.64 | 3.69 | 9.40 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 3.90 | 3:01:00 PM | 8.95 | 8.03 | 30.34 | 28.71 | 2.93 | 5.30 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Ebb | Middle | 3.90 | 3:01:00 PM | 8.38 | 8.35 | 30.33 | 28.70 | 3.34 | 4.80 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.80 | 3:00:00 PM | 8.23 | 8.15 | 30.26 | 28.84 | 2.51 | 3.70 |
| WSR37 | 20210729 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.80 | 3:00:00 PM | 8.94 | 8.09 | 30.32 | 28.60 | 2.57 | 4.90 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:12:00 PM | 8.28 | 8.10 | 30.48 | 29.10 | 2.82 | 3.10 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 4:12:00 PM | 8.02 | 8.19 | 30.56 | 28.96 | 2.56 | 2.50 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 4:11:00 PM | 7.98 | 8.34 | 30.56 | 29.07 | 2.40 | 3.10 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Ebb | Middle | 3.85 | 4:11:00 PM | 7.85 | 8.23 | 31.03 | 29.06 | 2.58 | 2.50 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 4:10:00 PM | 7.72 | 8.18 | 30.61 | 29.03 | 2.14 | 7.30 |
| WSR37 | 20210731 | Cloudy | Moderate | Mid-Ebb | Bottom | 6.70 | 4:10:00 PM | 8.35 | 8.16 | 30.80 | 29.01 | 2.51 | 7.20 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| 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 | Middle | 9.95 | 2:16:00 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 | 7.77 | 8.02 | 30.26 | 27.54 | 3.32 | 10.00 |
| 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 | 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 | 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 | 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 | Middle | 9.90 | 5:01:00 PM | 8.84 | 8.17 | 31.20 | 28.16 | 3.80 | 3.00 |
| 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 |
| 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 |
| 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 | 20210810 | Cloudy | Moderate | Mid-Flood | Surface | 1.00 | 5:25:00 PM | 7.85 | 8.04 | 30.33 | 28.92 | 4.45 | 5.00 |
| 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 |
| 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 |
| 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 |
| 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 | 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 | 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 | 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 | 8.21 | 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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| 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 | 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 | 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 | 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 | 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 | Middle | 3.75 | 5:43:00 PM | 7.47 | 8.08 | 30.35 | 28.48 | 2.62 | 6.00 |
| 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 |
| 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 | 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 | 8.57 | 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 | 30.98 | 28.46 | 2.67 | 8.00 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 | Middle | 3.80 | 9:05:00 AM | 8.02 | 8.18 | 30.15 | 28.28 | 2.19 | 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 | 8.88 | 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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| 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 | 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 | 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 | 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 | Middle | 7.55 | 6:57:00 PM | 8.06 | 8.13 | 30.19 | 28.57 | 2.35 | 2.50 |
| 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 | 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 | 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 | 8.19 | 8.11 | 29.77 | 28.08 | 2.29 | 3.00 |
| 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 |
| 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 | 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 | 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 | 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 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|-----------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| 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 | Middle | 3.15 | 5:58:00 PM | 8.31 | 8.34 | 30.44 | 28.93 | 2.61 | 7.00 |
| 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 | 8.19 | 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 | 28.36 | 2.77 | 6.00 |
| 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 | Middle | 3.25 | 6:22:00 PM | 7.93 | 8.46 | 30.76 | 28.30 | 2.61 | 9.00 |
| 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 | 20210824 | Sunny | Moderate | Mid-Flood | Bottom | 5.50 | 6:21:00 PM | 8.45 | 8.54 | 31.22 | 28.39 | 2.20 | 7.00 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 | 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 | 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 | 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) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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.

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

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CE | 20210824 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:55:00 AM | 8.80 | 8.40 | 30.80 | 29.40 | 3.90 | 3.00 |
| CE | 20210824 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 11:55:00 AM | 8.80 | 8.40 | 30.50 | 29.40 | 4.30 | 4.00 |
| CE | 20210824 | Sunny | Moderate | Mid-Ebb | Middle | 10.70 | 11:54:00 AM | 8.80 | 8.50 | 30.90 | 29.40 | 3.40 | 9.00 |
| CE | 20210824 | Sunny | Moderate | Mid-Ebb | Middle | 10.70 | 11:54:00 AM | 8.90 | 8.40 | 30.50 | 29.40 | 3.20 | 9.00 |
| CE | 20210824 | Sunny | Moderate | Mid-Ebb | Bottom | 20.40 | 11:53:00 AM | 8.70 | 8.40 | 30.80 | 29.30 | 3.40 | 3.00 |
| CE | 20210824 | Sunny | Moderate | Mid-Ebb | Bottom | 20.40 | 11:53:00 AM | 9.00 | 8.40 | 30.90 | 29.40 | 3.20 | 4.00 |
| CE | 20210826 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:56:00 PM | 8.65 | 8.34 | 30.14 | 28.63 | 3.95 | 7.00 |
| CE | 20210826 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:56:00 PM | 8.53 | 8.35 | 30.01 | 28.72 | 4.19 | 4.00 |
| CE | 20210826 | Sunny | Moderate | Mid-Ebb | Middle | 10.65 | 12:55:00 PM | 8.60 | 8.41 | 30.10 | 28.64 | 3.57 | 10.00 |
| CE | 20210826 | Sunny | Moderate | Mid-Ebb | Middle | 10.65 | 12:55:00 PM | 8.87 | 8.36 | 30.06 | 28.68 | 3.60 | 9.00 |
| CE | 20210826 | Sunny | Moderate | Mid-Ebb | Bottom | 20.30 | 12:54:00 PM | 8.71 | 8.33 | 29.90 | 28.53 | 3.85 | 5.00 |
| CE | 20210826 | Sunny | Moderate | Mid-Ebb | Bottom | 20.30 | 12:54:00 PM | 8.49 | 8.38 | 29.96 | 28.64 | 4.11 | 5.00 |
| CE | 20210828 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:59:00 PM | 8.48 | 8.12 | 29.51 | 28.51 | 4.26 | 3.00 |
| CE | 20210828 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 1:59:00 PM | 8.31 | 8.12 | 29.23 | 28.52 | 4.01 | 5.00 |
| CE | 20210828 | Sunny | Moderate | Mid-Ebb | Middle | 11.50 | 1:58:00 PM | 8.45 | 8.20 | 29.44 | 28.48 | 4.48 | 5.00 |
| CE | 20210828 | Sunny | Moderate | Mid-Ebb | Middle | 11.50 | 1:58:00 PM | 8.44 | 8.17 | 29.27 | 28.50 | 4.33 | 8.00 |
| CE | 20210828 | Sunny | Moderate | Mid-Ebb | Bottom | 22.00 | 1:57:00 PM | 8.44 | 8.18 | 29.31 | 28.49 | 3.54 | 5.00 |
| CE | 20210828 | Sunny | Moderate | Mid-Ebb | Bottom | 22.00 | 1:57:00 PM | 8.19 | 8.12 | 29.25 | 28.45 | 3.60 | 4.00 |
| CE | 20210831 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:02:00 AM | 9.53 | 8.20 | 30.43 | 28.18 | 4.01 | 7.00 |
| CE | 20210831 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 8:02:00 AM | 9.72 | 8.28 | 30.46 | 28.24 | 4.00 | 9.00 |
| CE | 20210831 | Cloudy | Moderate | Mid-Ebb | Middle | 11.60 | 8:01:00 AM | 9.72 | 8.23 | 30.57 | 28.07 | 3.85 | 5.00 |
| CE | 20210831 | Cloudy | Moderate | Mid-Ebb | Middle | 11.60 | 8:01:00 AM | 9.50 | 8.23 | 30.43 | 28.20 | 3.31 | 7.00 |
| CE | 20210831 | Cloudy | Moderate | Mid-Ebb | Bottom | 22.20 | 8:00:00 AM | 9.65 | 8.21 | 30.51 | 28.34 | 3.01 | 9.00 |
| CE | 20210831 | Cloudy | Moderate | Mid-Ebb | Bottom | 22.20 | 8:00:00 AM | 9.41 | 8.23 | 30.53 | 28.17 | 2.99 | 8.00 |
| CF | 20210803 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:29:00 AM | 8.60 | 7.90 | 30.00 | 27.50 | 4.10 | 3.00 |
| CF | 20210803 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:29:00 AM | 8.40 | 7.90 | 29.90 | 27.60 | 3.90 | 4.00 |
| CF | 20210803 | Cloudy | 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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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 (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210814 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 5:27:00 PM | 7.89 | 8.22 | 29.93 | 28.34 | 3.10 | 10.00 |
| CF | 20210814 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 5:27:00 PM | 7.56 | 8.26 | 30.16 | 28.21 | 3.22 | 10.00 |
| CF | 20210814 | Sunny | Moderate | Mid-Ebb | Middle | 10.00 | 5:26:00 PM | 7.78 | 8.11 | 30.03 | 28.11 | 2.84 | 6.00 |
| CF | 20210814 | Sunny | Moderate | Mid-Ebb | Middle | 10.00 | 5:26:00 PM | 7.96 | 8.20 | 30.03 | 28.18 | 3.07 | 6.00 |
| CF | 20210814 | Sunny | Moderate | Mid-Ebb | Bottom | 19.00 | 5:25:00 PM | 7.19 | 8.30 | 30.03 | 28.13 | 3.45 | 4.00 |
| CF | 20210814 | Sunny | Moderate | Mid-Ebb | Bottom | 19.00 | 5:25:00 PM | 7.82 | 8.29 | 30.17 | 28.27 | 3.22 | 2.50 |
| CF | 20210817 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:27:00 AM | 8.08 | 8.09 | 30.13 | 28.54 | 3.06 | 8.00 |
| CF | 20210817 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 10:27:00 AM | 8.07 | 8.17 | 30.32 | 28.65 | 2.85 | 6.00 |
| CF | 20210817 | Sunny | Moderate | Mid-Ebb | Middle | 10.55 | 10:26:00 AM | 8.08 | 8.09 | 30.14 | 28.59 | 3.11 | 4.00 |
| CF | 20210817 | Sunny | Moderate | Mid-Ebb | Middle | 10.55 | 10:26:00 AM | 7.84 | 8.21 | 30.25 | 28.54 | 2.94 | 7.00 |
| CF | 20210817 | Sunny | Moderate | Mid-Ebb | Bottom | 20.10 | 10:25:00 AM | 8.40 | 8.21 | 30.28 | 28.69 | 3.18 | 8.00 |
| CF | 20210817 | Sunny | Moderate | Mid-Ebb | Bottom | 20.10 | 10:25:00 AM | 8.04 | 8.11 | 30.19 | 28.63 | 3.23 | 5.00 |
| CF | 20210819 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:46:00 AM | 8.70 | 8.14 | 30.45 | 28.53 | 3.00 | 6.00 |
| CF | 20210819 | Cloudy | Moderate | Mid-Ebb | Surface | 1.00 | 10:46:00 AM | 8.66 | 8.21 | 30.49 | 28.55 | 3.14 | 4.00 |
| CF | 20210819 | Cloudy | Moderate | Mid-Ebb | Middle | 10.30 | 10:45:00 AM | 9.00 | 8.14 | 30.54 | 28.68 | 3.22 | 9.00 |
| CF | 20210819 | Cloudy | Moderate | Mid-Ebb | Middle | 10.30 | 10:45:00 AM | 8.43 | 8.16 | 30.20 | 28.67 | 2.80 | 9.00 |
| CF | 20210819 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.60 | 10:44:00 AM | 9.08 | 8.23 | 30.36 | 28.79 | 2.77 | 9.00 |
| CF | 20210819 | Cloudy | Moderate | Mid-Ebb | Bottom | 19.60 | 10:44:00 AM | 8.62 | 8.31 | 30.40 | 28.80 | 3.02 | 9.00 |
| CF | 20210821 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:03:00 PM | 8.00 | 8.40 | 30.00 | 30.00 | 4.40 | 9.00 |
| CF | 20210821 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 12:03:00 PM | 7.90 | 8.30 | 30.20 | 30.10 | 4.30 | 9.00 |
| CF | 20210821 | Sunny | Moderate | Mid-Ebb | Middle | 10.50 | 12:02:00 PM | 7.90 | 8.40 | 30.20 | 30.00 | 4.00 | 10.00 |
| CF | 20210821 | Sunny | Moderate | Mid-Ebb | Middle | 10.50 | 12:02:00 PM | 7.70 | 8.30 | 30.30 | 30.10 | 3.80 | 10.00 |
| CF | 20210821 | Sunny | Moderate | Mid-Ebb | Bottom | 19.90 | 12:01:00 PM | 7.50 | 8.40 | 30.20 | 30.10 | 4.00 | 9.00 |
| CF | 20210821 | Sunny | Moderate | Mid-Ebb | Bottom | 19.90 | 12:01:00 PM | 7.80 | 8.30 | 29.90 | 30.00 | 3.70 | 9.00 |
| CF | 20210824 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:27:00 PM | 8.30 | 8.30 | 30.50 | 29.10 | 3.70 | 4.00 |
| CF | 20210824 | Sunny | Moderate | Mid-Ebb | Surface | 1.00 | 2:27:00 PM | 8.60 | 8.30 | 30.80 | 29.10 | 4.20 | 6.00 |
| CF | 20210824 | Sunny | Moderate | Mid-Ebb | 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) | pH | Sal (ppt) | Temp (°C) | Turbidity (NTU) note 1 | SS (mg/L) (Note 2) |
|----------|-----------------|---------|---------------|---------|-------------|-----------|--------------|-----------|------|-----------|-----------|------------------------|--------------------|
| CF | 20210824 | 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 | 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 | 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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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) | pH | Sal (ppt) | Temp (°C) | Turbidity (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 |

| Location | Date (YYYYMMDD) | Weather | Sea Condition | Tidal | Water Level | Depth (m) | Time (hh:mm) | DO (mg/L) | pH | Sal (ppt) | Temp (°C) | Turbidity (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

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

設計、建造及運作將軍澳海水化淡廠第一階段工程

合約編號: 13/WSD/17

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

Date & Time 日期及時間: 2 Aug 2021 (0800-0930 hrs)

Location 地點: 環保大道 TTA 工作位置

Topic 題目: Landfill Gas (LFG) Hazard 堆填沼氣的危害

Company 公司: AJCJV

Trainer 培訓人員: Tiffany Tsang (EO)/ Brian Kam (EM)

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 |
|-----------------------------------|---|--|
| Methane (CH ₄) | - Action level > 10% LEL - Limit level > 20% LEL | - No smoking - Prohibit hot works/ naked fire - Ventilate to bring down CH ₄ <10% LEL - Stop works - Evacuate workers - Ventilate to bring down CH ₄ <10% LEL |
| Carbon Dioxide (CO ₂) | - Action level > 0.5% - Limit level > 1.5% | - Ventilate to bring down CO ₂ <0.5% - Stop works - Evacuate workers - Ventilate to bring down CO ₂ <0.5% |
| Oxygen (O ₂) | - Action & limit level < 19% | - Stop works - Evacuate workers - Ventilate to restore >19% O ₂ |

堆填沼氣的危害

- 涵蓋將軍澳(SENT)堆填區 250 米範圍內的工作位置
- 工作位置內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

- 嚴禁吸煙，克制熱工序或明火工序
- 保持良好通風
- 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 | 建議行動 |
|------|------------------|--|
| 沼氣 | - 行動準則 > 10% LEL | - 嚴禁吸煙 - 限制熱工序或明火工序 - 加強通風將沼氣濃度降至 <10% LEL |
| | - 限制準則 > 20% LEL | - 停止工序 - 疏散工人 - 加強通風將沼氣濃度降至 <10% LEL |
| | - 行動準則 > 0.5% | - 加強通風將二氧化碳濃度降至 <0.5% |
| 二氧化碳 | - 限制準則 > 1.5% | - 停止工序 - 疏散工人 - 加強通風將二氧化碳濃度降至 <0.5% |
| | - 行動及限制準則 < 19% | - 停止工序 - 疏散工人 - 加強通風將氧氣濃度回復 >19% |

| 序號 No. | 姓名 Name | 職位 / 工種 post / trade | 簽名 Signature |
|--------|---------|----------------------|--------------|
| 1 | 歐文金 | E | |
| 2 | 鍾錦輝 | CM | |
| 3 | 沈啟雄 | S.C | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |

Check By:

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

設計、建造及運作將軍澳海水化淡廠第一階段工程

合約編號: 13/WSD/17

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

Date & Time 日期及時間: 2 Aug 2021 1400 hrs.

Location 地點: 環保大道 TTA 工作位置

Topic 題目: Landfill Gas (LFG) Hazard 堆填沼氣的危害

Company 公司: 力作

Trainer 培訓人員: Tiffany Tsang (EO)/ Brian Kam (EM)

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 |
|-----------------------------------|----------------------------|--|
| Methane (CH ₄) | Action level > 10% LEL | No smoking Prohibit hot works/ naked fire Ventilate to bring down CH ₄ <10% LEL |
| | Limit level > 20% LEL | Stop works Evacuate workers Ventilate to bring down CH ₄ <10% LEL |
| Carbon Dioxide (CO ₂) | Action level > 0.5% | Ventilate to bring down CO ₂ <0.5% |
| | Limit level > 1.5% | Stop works Evacuate workers Ventilate to bring down CO ₂ <0.5% |
| Oxygen (O ₂) | Action & limit level < 19% | Stop works Evacuate workers Ventilate to restore >19% O ₂ |

堆填沼氣的危害

- 濕蓋將軍澳(SENT)堆填區 250 米範圍內的工作位置
- 工作位置內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

- 嚴禁吸煙, 克制熱工序或明火工序
- 保持良好通風
- 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 | 建議行動 |
|------|----------------|--|
| 沼氣 | 行動準則 > 10% LEL | 嚴禁吸煙 限制熱工序或明火工序 加強通風將沼氣濃度降至 <10% LEL |
| | 限制準則 > 20% LEL | 停止工序 疏散工人 加強通風將沼氣濃度降至 <10% LEL |
| 二氧化碳 | 行動準則 > 0.5% | 加強通風將二氧化碳濃度降至 <0.5% |
| | 限制準則 > 1.5% | 停止工序 疏散工人 加強通風將二氧化碳濃度降至 <0.5% |
| 氧氣 | 行動&限制準則 < 19% | 停止工序 疏散工人 加強通風將氧氣濃度回復 >19% |

| 序號 No. | 姓名 Name | 職位 / 工種 post / trade | 簽名 Signature |
|-----------|------------|-------------------------|-----------------|
| 1 | 徐偉輝 | 喉工 | |
| 2 | 潘成鋒 | 喉工 | 潘成鋒 |
| 3 | 陳瑤佳 | 喉工 | 陳瑤佳 |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |

Check By:

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

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

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

Date & Time 日期及時間: 2 Aug 2021 / 400 hrs
 Location 地點: 環保大道 TTA 工作位置
 Topic 題目: Landfill Gas (LFG) Hazard 堆填沼氣的危害
 Company 公司: 力盛
 Trainer 培訓人員: Tiffany Tsang (EO) / Brian Kam (EM)

| 序號 No. | 姓名 Name | 職位 / 工種 post / trade | 簽名 Signature |
|--------|---------|----------------------|--------------|
| 1 | 黃勇濠 | 焊工 | 黃 |
| 2 | 周泳輝 | 木工 | 周 |
| 3 | 岑文奎 | 木工 | 岑 |
| 4 | | 木工 | 岑 |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |

Check By: *APC*

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 |
|-----------------------------------|----------------------------|--|
| Methane (CH ₄) | Action level > 10% LEL | No smoking Prohibit hot works/ naked fire Ventilate to bring down CH ₄ <10% LEL |
| | Limit level > 20% LEL | Stop works Evacuate workers Ventilate to bring down CH ₄ <10% LEL |
| Carbon Dioxide (CO ₂) | Action level > 0.5% | Ventilate to bring down CO ₂ <0.5% |
| | Limit level > 1.5% | Stop works Evacuate workers Ventilate to bring down CO ₂ <0.5% |
| Oxygen (O ₂) | Action & limit level < 19% | Stop works Evacuate workers Ventilate to restore >19% O ₂ |

堆填沼氣的危害

- 涵蓋將軍澳(SENT)堆填區 250 米範圍內的工作位置
- 工作位置內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

- 嚴禁吸煙，克制熱工序或明火工序
- 保持良好通風
- 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 | 建議行動 |
|------|----------------|--|
| 沼氣 | 行動準則 > 10% LEL | 嚴禁吸煙 限制熱工序或明火工序 加強通風將沼氣濃度降至 <10% LEL |
| | 限制準則 > 20% LEL | 停止工序 疏散工人 加強通風將沼氣濃度降至 <10% LEL |
| 二氧化碳 | 行動準則 > 0.5% | 加強通風將二氧化碳濃度降至 <0.5% |
| | 限制準則 > 1.5% | 停止工序 疏散工人 加強通風將二氧化碳濃度降至 <0.5% |
| 氧氣 | 行動&限制準則 < 19% | 停止工序 疏散工人 加強通風將氧氣濃度回復 >19% |

Landfill Gas Monitoring - Field Measurement Recording Sheet

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

| | | |
|------------|----------------------|------------------|
| Serial No. | Monitoring Equipment | Last Calibration |
| M02A048102 | GRAE 3 (PGM-2500) | 27/2021 |

| Monitoring Location | Date (dd/mm/yyyy) | Time (hh:mm) | Weather Condition Sunny/ Fine/ Overcast/ Drizzle/ Rain/ Storm/ Hazy | Landfill Gas Parameters | | | | Physical Parameters | | Measured by | |
|---------------------|-------------------|--------------|---|-------------------------|------------|--------------------|-------------------------------|------------------------------|------------------|-------------|-----------|
| | | | | Methane (%LEL) | Oxygen (%) | Carbon Dioxide (%) | Balance Gas (%) (e.g. H2S) | Temp (°C) / Pressure mBar | Trench Depth (m) | Name | Signature |
| Ch1+360 - Ch1+310 | 23/8/21 | 8:30 | Fire | 0 | 20.9 | 0 | 0 | 30 / 1007 | 2 | Peter Au | Peter Au |
| Ch1+360 - Ch1+310 | 23/8/21 | 13:30 | Fire | 0 | 20.9 | 0 | 0 | 33 / 1007 | 2 | " | Peter Au |
| Ch1+360 - Ch1+310 | 24/8/21 | 8:30 | Rain | 0 | 20.9 | 0 | 0 | 29.8 / 1007 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 24/8/21 | 13:30 | Rain | 0 | 20.9 | 0 | 0 | 31 / 1007 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 25/8/21 | 8:30 | Fire | 0 | 20.9 | 0 | 0 | 28.7 / 1009 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 25/8/21 | 13:30 | Fire | 0 | 20.9 | 0 | 0 | 33 / 1009 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 26/8/21 | 8:30 | Fire | 0 | 20.9 | 0 | 0 | 29.5 / 1011 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 26/8/21 | 13:30 | Fire | 0 | 20.9 | 0 | 0 | 32.5 / 1011 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 27/8/21 | 8:30 | Rain | 0 | 20.9 | 0 | 0 | 27 / 1012 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 27/8/21 | 13:30 | Rain | 0 | 20.9 | 0 | 0 | 28.8 / 1012 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 28/8/21 | 8:30 | Rain | 0 | 20.9 | 0 | 0 | 28.1 / 1011 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 28/8/21 | 13:30 | Rain | 0 | 20.9 | 0 | 0 | 29.8 / 1011 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | | | | | | | | / | | | |
| Ch1+360 - Ch1+310 | | | | | | | | / | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Checked by: Ng Ko-Chun
 Date: 28-8-21

Landfill Gas Monitoring - Field Measurement Recording Sheet

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

Contract No. : 13/WSD/17

| | | |
|------------|----------------------|------------------|
| Serial No. | Monitoring Equipment | Last Calibration |
| M02A048102 | QRAE 3 (PGM-2500) | 27/2021 |

| Monitoring Location | Date (dd/mm/yyyy) | Time (hh:mm) | Weather Condition Sunny/ Fine/ Overcast/ Drizzle/ Rain/ Storm/ Hazy | Landfill Gas Parameters | | | | Physical Parameters | | Measured by | |
|---------------------|-------------------|--------------|---|-------------------------|------------|--------------------|-------------------------------|------------------------------|------------------|-------------|-----------|
| | | | | Methane (%LEL) | Oxygen (%) | Carbon Dioxide (%) | Balance Gas (%) (e.g. H2S) | Temp (°C) / Pressure mBar | Trench Depth (m) | Name | Signature |
| Ch1+360 - Ch1+310 | 16/8/21 | 8:30 | Rain | 0 | 20.9 | 0 | 0 | 28.3 / 1012 | 2 | Peter Au | Peter Au |
| Ch1+360 - Ch1+310 | 16/8/21 | 13:30 | Rain | 0 | 20.9 | 0 | 0 | 30.5 / 1012 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 17/8/21 | 8:30 | Fire | 0 | 20.9 | 0 | 0 | 29.5 / 1010 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 17/8/21 | 13:30 | Fire | 0 | 20.9 | 0 | 0 | 31 / 1010 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 18/8/21 | 8:30 | Fire | 0 | 20.9 | 0 | 0 | 29.5 / 1008 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 18/8/21 | 13:30 | Fire | 0 | 20.9 | 0 | 0 | 32 / 1008 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 19/8/21 | 8:30 | Rain | 0 | 20.9 | 0 | 0 | 29 / 1009 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 19/8/21 | 13:30 | Rain | 0 | 20.9 | 0 | 0 | 31 / 1009 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 20/8/21 | 8:30 | Fire | 0 | 20.9 | 0 | 0 | 29.7 / 1008 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 20/8/21 | 13:30 | Fire | 0 | 20.9 | 0 | 0 | 32 / 1008 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 21/8/21 | 8:30 | Fire | 0 | 20.9 | 0 | 0 | 29.5 / 1007 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 21/8/21 | 13:30 | Fire | 0 | 20.9 | 0 | 0 | 32 / 1007 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | | | | | | | | / | | | |
| Ch1+360 - Ch1+310 | | | | | | | | / | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Checked by: Ng Ka Chub
Date: 21-8-21

Landfill Gas Monitoring - Field Measurement Recording Sheet

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

Contract No. : 13/WSD/17

| | | |
|------------|----------------------|------------------|
| Serial No. | Monitoring Equipment | Last Calibration |
| M02A048102 | GRAE 3 (PGM-2500) | 27/2021 |

| Monitoring Location | Date (dd/mm/yyyy) | Time (hh:mm) | Weather Condition Sunny/ Fine/ Overcast/ Drizzle/ Rain/ Storm/ Hazy | Landfill Gas Parameters | | | | Physical Parameters | | Measured by | |
|---------------------|-------------------|--------------|---|-------------------------|------------|--------------------|-------------------------------|------------------------------|------------------|-------------|-------------|
| | | | | Methane (%LEL) | Oxygen (%) | Carbon Dioxide (%) | Balance Gas (%) (e.g. H2S) | Temp (°C) / Pressure mBar | Trench Depth (m) | Name | Signature |
| Ch1+360 - Ch1+310 | 9/18/21 | 8:30 | Rain | 0 | 20.9 | 0 | 0 | 26.2 / 1005 | 2 | Peter Au | [Signature] |
| Ch1+360 - Ch1+310 | 9/18/21 | 13:30 | Rain | 0 | 20.9 | 0 | 0 | 28.9 / 1005 | 2 | - | [Signature] |
| Ch1+360 - Ch1+310 | 10/18/21 | 8:30 | Rain | 0 | 20.9 | 0 | 0 | 28.6 / 1008 | 2 | - | [Signature] |
| Ch1+360 - Ch1+310 | 10/18/21 | 13:30 | Rain | 0 | 20.9 | 0 | 0 | 28.8 / 1008 | 2 | - | [Signature] |
| Ch1+360 - Ch1+310 | 11/18/21 | 8:30 | Fine | 0 | 20.9 | 0 | 0 | 28.4 / 1006 | 2 | - | [Signature] |
| Ch1+360 - Ch1+310 | 11/18/21 | 13:30 | Fine | 0 | 20.9 | 0 | 0 | 29 / 1006 | 2 | - | [Signature] |
| Ch1+360 - Ch1+310 | 12/18/21 | 8:30 | Fine | 0 | 20.9 | 0 | 0 | 28.5 / 1008 | 2 | - | [Signature] |
| Ch1+360 - Ch1+310 | 12/18/21 | 13:30 | Fine | 0 | 20.9 | 0 | 0 | 30.1 / 1008 | 2 | - | [Signature] |
| Ch1+360 - Ch1+310 | 13/18/21 | 8:30 | Fine | 0 | 20.9 | 0 | 0 | 28.8 / 1006 | 2 | - | [Signature] |
| Ch1+360 - Ch1+310 | 13/18/21 | 13:30 | Fine | 0 | 20.9 | 0 | 0 | 29.5 / 1006 | 2 | - | [Signature] |
| Ch1+360 - Ch1+310 | 14/18/21 | 8:30 | Rain | 0 | 20.9 | 0 | 0 | 28.4 / 1006 | 2 | - | [Signature] |
| Ch1+360 - Ch1+310 | 14/18/21 | 13:30 | Rain | 0 | 20.9 | 0 | 0 | 29.8 / 1006 | 2 | - | [Signature] |
| Ch1+360 - Ch1+310 | | | | | | | | / | | | |
| Ch1+360 - Ch1+310 | | | | | | | | / | | | |
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| | | | | | | | | | | | |

Checked by: Ng Ka Chun
Date: 14-8-21

Landfill Gas Monitoring - Field Measurement Recording Sheet

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

Contract No. : 13/WSD/17

| | | |
|------------|----------------------|------------------|
| Serial No. | Monitoring Equipment | Last Calibration |
| M02A048102 | QRAE 3 (PGM-2500) | 27/2021 |

| Monitoring Location | Date (dd/mm/yyyy) | Time (hh:mm) | Weather Condition Sunny/ Fine/ Overcast/ Drizzle/ Rain/ Storm/ Hazy | Landfill Gas Parameters | | | Physical Parameters | | Measured by | | |
|---------------------|-------------------|--------------|---|-------------------------|------------|--------------------|-------------------------------|------------------------------|------------------|----------|-----------|
| | | | | Methane (%LEL) | Oxygen (%) | Carbon Dioxide (%) | Balance Gas (%) (e.g. H2S) | Temp (°C) / Pressure mBar | Trench Depth (m) | Name | Signature |
| Ch1+360 - Ch1+310 | 2/8/2021 | 8:30 | Rain | 0 | 20.9 | 0 | 0 | 30 / 988 | 2 | Peter Au | Peter Au |
| Ch1+360 - Ch1+310 | 2/8/2021 | 13:30 | Rain | 0 | 20.9 | 0 | 0 | 32.1 / 988 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 3/8/2021 | 8:30 | Fine | 0 | 20.9 | 0 | 0 | 29 / 987 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 3/8/2021 | 13:30 | Fine | 0 | 20.9 | 0 | 0 | 29.5 / 987 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 4/8/2021 | 8:30 | Fine | 0 | 20.9 | 0 | 0 | 27.8 / 993 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 4/8/2021 | 13:30 | Fine | 0 | 20.9 | 0 | 0 | 28.3 / 993 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 5/8/2021 | 8:30 | Fine | 0 | 20.9 | 0 | 0 | 28.1 / 986 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 5/8/2021 | 13:30 | Fine | 0 | 20.9 | 0 | 0 | 29.2 / 986 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 6/8/2021 | 8:30 | Rain | 0 | 20.9 | 0 | 0 | 28.7 / 988 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 6/8/2021 | 13:30 | Rain | 0 | 20.9 | 0 | 0 | 30.1 / 998 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 7/8/2021 | 8:30 | Fine | 0 | 20.9 | 0 | 0 | 29.5 / 1001 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | 7/8/2021 | 13:30 | Fine | 0 | 20.9 | 0 | 0 | 31 / 1001 | 2 | - | Peter Au |
| Ch1+360 - Ch1+310 | | | | | | | | / | | | |
| Ch1+360 - Ch1+310 | | | | | | | | / | | | |

Checked by: Ng Ka Chun
Date: 7-8-2021

Appendix J

HOKLAS Laboratory Certificate



Hong Kong Accreditation Service
香港認可處

Certificate of Accreditation
認可證書

This is to certify that
特此證明

ACUMEN LABORATORY AND TESTING LIMITED
浩科檢測中心有限公司

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

has been accepted by the HKAS Executive, on the recommendation of the Accreditation Advisory Board, as a
在認可諮詢委員會的建議下獲香港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
並獲認可進行載於認可範圍內下述測試類別中的指定測試或校正工作*

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 Communiqué).
此項 ISO/IEC 17025:2005 的認可資格證明此實驗所具備指定範疇內所須的技術能力及
實施一套實驗所質量管理體系(見國際認可論壇、國際實驗所認可合作組織及國際標準化組織的聯合公報)。*

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



WONG Wang-wah, Executive Administrator
執行幹事 黃宏華
Issue Date: 16 July 2014
簽發日期: 二零一四年七月十六日

Registration Number: HOKLAS 241
註冊號碼:



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

This certificate is issued subject to the terms and conditions laid down by HKAS
本證書按照香港認可處訂立的條款及條件發出

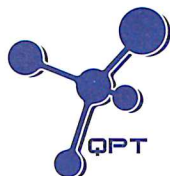
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Appendix K

Water Quality and Landfill Gas Equipment Calibration Certificate

| Equipment | Model | Serial Number | Calibration Date | Calibration Expiry Date* |
|------------------------|-------------|---------------|------------------|--------------------------|
| Multi-Functional Meter | Horiba U-53 | S2A98W8H | 18/05/2021 | 18/06/2021 |
| Multi-Functional Meter | Horiba U-53 | UHB5F2BB | 16/06/2021 | 16/07/2021 |
| 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.



專業化驗有限公司

QUALITY PRO TEST-CONSULT LIMITED

Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong

Email: info@qualityprotest.com; Website: www.qualityprotest.com

Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA050037
Date of Issue : 18 May 2021
Page No. : 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 : S2A98W8H
Date of Received : May 11, 2021
Date of Calibration : May 18, 2021
Date of Next Calibration^(a) : Aug 17, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

| <u>Parameter</u> | <u>Reference Method</u> |
|------------------|---|
| pH at 25°C | APHA 21e 4500-H ⁺ B |
| Dissolved Oxygen | APHA 21e 4500-O G |
| 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 | 4.18 | 0.18 | Satisfactory |
| 7.42 | 7.56 | 0.14 | Satisfactory |
| 10.01 | 9.99 | -0.02 | Satisfactory |

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

(2) Temperature


| Reading of Ref. thermometer (°C) | Displayed Reading (°C) | Tolerance (°C) | Results |
|----------------------------------|------------------------|----------------|--------------|
| 17 | 17.85 | 0.85 | Satisfactory |
| 25 | 25.57 | 0.57 | Satisfactory |
| 39 | 38.86 | -0.14 | Satisfactory |

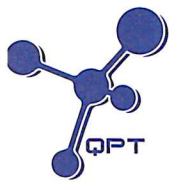
Tolerance limit of temperature should be less than ± 2.0 (°C)

~ 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



專業化驗有限公司

QUALITY PRO TEST-CONSULT LIMITED

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

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA050037
Date of Issue : 18 May 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 |
|-------------------------|--------------------------|------------------|--------------|
| 1.52 | 1.57 | 0.05 | Satisfactory |
| 3.08 | 3.28 | 0.20 | Satisfactory |
| 5.03 | 4.56 | -0.47 | Satisfactory |
| 8.12 | 7.65 | -0.47 | 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 | 9.31 | -6.90 | Satisfactory |
| 20 | 18.66 | -6.70 | Satisfactory |
| 30 | 28.56 | -4.80 | Satisfactory |

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

(5) Turbidity

| Expected Reading (NTU) | Displayed Reading ⁽¹⁾ (NTU) | Tolerance ⁽²⁾ (%) | Results |
|------------------------|--|------------------------------|--------------|
| 0 | 0.00 | -- | Satisfactory |
| 10 | 9.81 | -1.9 | Satisfactory |
| 20 | 18.70 | -6.5 | Satisfactory |
| 100 | 97.6 | -2.4 | Satisfactory |
| 800 | 846 | 5.8 | Satisfactory |

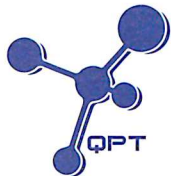
Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

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

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



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

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Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA060061
Date of Issue : 17 June 2021
Page No. : 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 : Jun 11, 2021
Date of Calibration : Jun 16, 2021
Date of Next Calibration^(a) : Sep 15, 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 | 4.09 | 0.09 | Satisfactory |
| 7.42 | 7.34 | -0.08 | Satisfactory |
| 10.01 | 9.89 | -0.12 | 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 |
|----------------------------------|------------------------|----------------|--------------|
| 18.0 | 18.2 | 0.2 | Satisfactory |
| 28.0 | 29.3 | 1.3 | Satisfactory |
| 37 | 38.0 | 1.0 | Satisfactory |

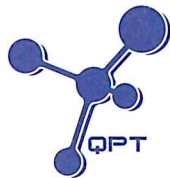
Tolerance limit of temperature should be less than ± 2.0 (°C)

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Remark(s): -

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


LEE Chun-ning, Desmond
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA060061
Date of Issue : 17 June 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) | Results |
|-------------------------|--------------------------|------------------|--------------|
| 2.00 | 1.75 | -0.25 | Satisfactory |
| 4.77 | 4.31 | -0.46 | Satisfactory |
| 6.43 | 6.22 | -0.21 | Satisfactory |
| 7.71 | 7.47 | -0.24 | 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 | 10.03 | 0.30 | Satisfactory |
| 20 | 21.38 | 6.90 | Satisfactory |
| 30 | 32.49 | 8.30 | Satisfactory |

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

(5) Turbidity

| Expected Reading (NTU) | Displayed Reading ^(f) (NTU) | Tolerance ^(g) (%) | Results |
|------------------------|--|------------------------------|--------------|
| 0 | 0.41 | -- | Satisfactory |
| 10 | 10.00 | 0.0 | Satisfactory |
| 20 | 20.20 | 1.0 | Satisfactory |
| 100 | 100.80 | 0.8 | Satisfactory |
| 800 | 828.00 | 3.5 | Satisfactory |

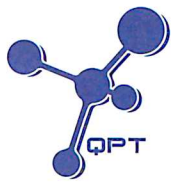
Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

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

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



專業化驗有限公司

QUALITY PRO TEST-CONSULT LIMITED

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA070064
Date of Issue : 16 July 2021
Page No. : 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 : S2A98W8H
Date of Received : 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

| <u>Parameter</u> | <u>Reference Method</u> |
|------------------|--|
| 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

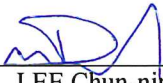
| Reading of Ref. thermometer (°C) | Displayed Reading (°C) | Tolerance (°C) | Results |
|----------------------------------|------------------------|----------------|--------------|
| 17 | 18.70 | 1.70 | Satisfactory |
| 30 | 30.84 | 0.84 | Satisfactory |
| 35 | 35.91 | 0.91 | Satisfactory |

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



專業化驗有限公司

QUALITY PRO TEST-CONSULT LIMITED

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : 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 ~

Remark(s): -

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

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



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

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

| 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. |
| 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): -

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

LEE Chun-ning
Senior Chemist



REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

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

| Expected Reading (mV) | Displayed Reading (mV) | Tolerance (mV) ^(g) | Results |
|-----------------------|------------------------|-------------------------------|--------------|
| 229 | 230 | +1 | Satisfactory |

Tolerance limit of Oxidation-Reduction Potential should be less than ± 10 (mV)

~ END OF REPORT ~

Remark(s): -

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

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

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 | Nitrogen(N ₂) | 20210508 |
| 2 | Carbon Monoxide(CO) | 50ppm | | |
| 3 | Oxygen(O ₂) | 18% | | |
| 4 | Methane(CH ₄) | 50%LEL | | |
| 5 | Sulfur Dioxide(SO ₂) | 5ppm | Nitrogen(N ₂) | 20210114 |
| 6 | Carbon Dioxide(CO ₂) | 5000ppm | Nitrogen(N ₂) | 20201203 |

Test Results:

| # | Sensor | Span | UOM |
|---|------------------------------|-----------|------|
| 1 | LEL | 51 | %LEL |
| 2 | SO ₂ | 5.2 | ppm |
| 3 | COSH (H ₂ S / CO) | 10.1 / 51 | ppm |
| 4 | Pb O ₂ | 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: *Tom Gary*
86-05-51832593





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香港九龍觀塘興業街31號興業中心1樓B室
Unit B, 1/F., Hing Yip Centre, 31 Hing Yip Street, Kwun Tong, Kowloon, Hong Kong.

Calibration Certificate

Customer: China State Construction Engineering (Hong Kong) Ltd.

Calibration Date : 2/7/2021

Address: 將軍澳海水化淡水廠第一階段
灣仔郵政信箱28918號

Certificate Ref: GDR00139

Tel: 9138 2007

Fax: 0

Attn: 卓先生

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

FirmWare version: V2.18

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 | Alarm Setting | | | |
|------------------------|---------------|------|------|-----|
| | Low | High | STEL | TWA |
| Combustible (LEL) | 10 | 20 | N/A | N/A |
| Hydrogen sulfide (H2S) | 10 | 15 | 15 | 10 |
| Oxygen (O2) | 19.5 | 23.5 | N/A | N/A |
| Carbon Monoxide (CO) | 25 | 200 | 50 | 25 |

| Inspection Items | Visual Inspection | Functional Test |
|--|-------------------|-----------------|
| Basic Unit - Case, Clip & Display etc. | Pass | Pass |
| Battery and Charge etc. | Pass | Pass |
| Motorized Pump | Pass | Pass |
| Audible Alarm and Visual Alarm | Pass | Pass |

| Type of calibration | LEL(% LEL) | H2S (PPM) | OXY(%) | CO(PPM) |
|---------------------|-------------|-----------|--------|---------|
| Span Calibration | 50 | 25 | 18 | 100 |
| Reading | Before Cal. | 37 | 17.9 | 76 |
| | After Cal. | 50 | 25 | 100 |
| | Result | Pass | Pass | Pass |

Gas Detector next annual check due date: 1/7/2022

Asia Pacific Industrial Safety Equipment
Honeywell RAE Authorized Service Centre

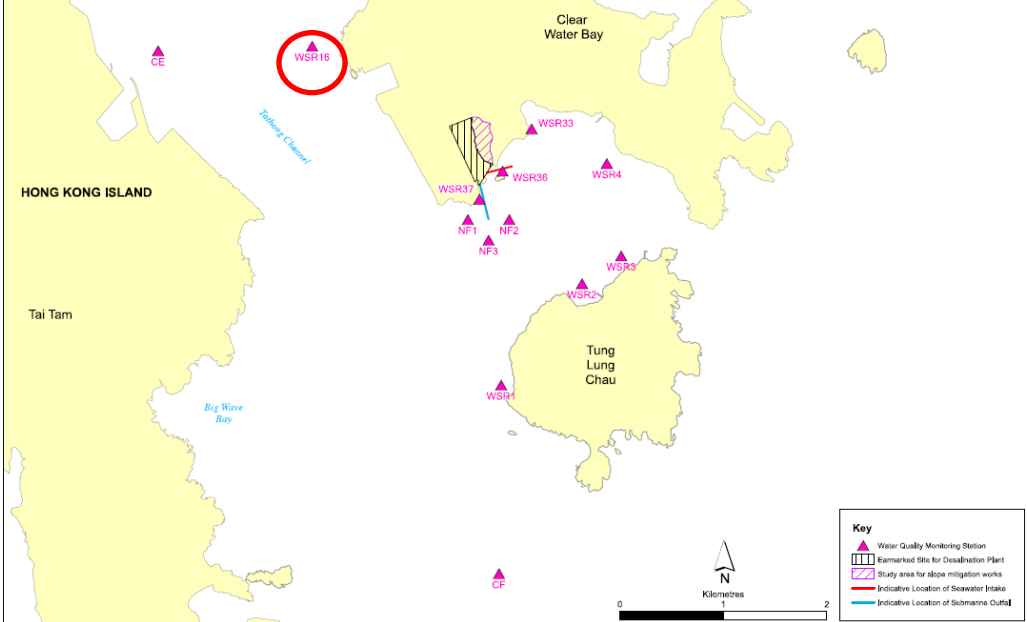
Jason K.F. Wong


Sales & Services Department

Appendix L

Exceedance Reports(s)

Incident Report on Action Level or Limit Level Non-Compliance

| | | | |
|--|--|------------------|--|
| Project | Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant | | |
| Date | 01 June 2021 (Lab result received on 03 June 2021) | | |
| Time | 08:29 – 11:59 (Mid-Flood) and 15:29 – 18:59 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | <p>WSR16</p>  | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 5.7 mg/L | | > 6.1 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 7.7 mg/L (WSR16) | 4.7 mg/L (CF) | 5.2 mg/L (WSR1) 5.5 mg/L (WSR2) 4.5 mg/L (WSR3) 4.8 mg/L (WSR4) 4.7 mg/L (WSR33) 4.8 mg/L (WSR36) 4.9 mg/L (WSR37) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: Marine construction activities, namely 1) grab dredging of non-marine sediment; 2) chiselling inside a steel casing</p> <p>Intake Shaft Area: marine construction activities, namely 1) pipe piling works of 610mm Ø on temporary working platform, 2) lifting of 610mm Ø pipe piles</p> <p>Marine construction activities with contact with water: 1) grab dredging of non-marine sediment</p> <p>Marine vessels on 01 June 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2, pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) <p>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.</p> <p>Station WSR16 was located downstream during mid-flood tide.</p> | | |


| | |
|----------------|---|
| | <p>SS level for the station closest to the marine construction works (WSR37, 4.9 mg/L) was comparable to that at control station (CF, 4.7 mg/L). With prediction that dredging activities should result in high SS level, the observed SS level at WSR37 infers that SS exceedance at WSR16 was not project-related.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 01 June 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-flood sampling on 01 June 2021:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p> |

Supporting Photo 1 (Sea Conditions at WSR16)



Supporting Photo 2 (Overview of Intake Shaft)



| | |
|-------------|--|
| | <p>Supporting Photo 3 (Overview of Outfall Shaft)</p>  <p>01/06/2021</p> |
| Prepared by | Charlene Lai |
| Date | 17 June 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 | 03 June 2021 (Lab result received on 07 June 2021) | | |
| Time | 10:45 – 14:15 (Mid-Flood) and 15:30 – 19:00 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | <p>WSR16</p> | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 6.4 mg/L | | > 6.9 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 10.2 mg/L (WSR16) | 5.3 mg/L (CF) | 4.1 mg/L (WSR1) 3.0 mg/L (WSR2) 2.7 mg/L (WSR3) 3.8 mg/L (WSR4) 2.7 mg/L (WSR33) 2.7 mg/L (WSR36) 2.7 mg/L (WSR37) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: Marine construction activities, namely 1) grab dredging of non-marine sediment; 2) chiselling inside a steel casing</p> <p>Intake Shaft Area: marine construction activities, namely 1) pipe piling works of 610mm Ø on temporary working platform, 2) lifting of 610mm Ø pipe piles</p> <p>Marine construction activities with contact with water: 1) grab dredging of non-marine sediment</p> <p>Marine vessels on 03 June 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2, pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) <p>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.</p> <p>Station WSR16 was located downstream during mid-flood tide.</p> | | |

SS level for the station closest to the marine construction works (WSR37, 2.7 mg/L) was lower to that at control station (CF, 5.3 mg/L). With prediction that dredging activities should result in high SS level, the observed SS level at WSR37 infers that SS exceedance at WSR16 was not project-related.

According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 03 June 2021.

Remarks

Current direction during mid-flood sampling on 03 June 2021:

| Legend | |
|--------------|---------------|
| Speed (knot) | Speed (knot) |
| 0-0.5 | 1.5-2.0 |
| 0.5-1.0 | 2.0-2.5 |
| 1.0-1.5 | 2.5 and above |

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

Supporting Photo 1 (Sea Conditions at WSR16)



Supporting Photo 2 (Overview of Intake Shaft)



Supporting Photo 3 (Overview of Outfall Shaft)



| | |
|-------------|--------------|
| Prepared by | Charlene Lai |
| Date | 17 June 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 | 08 June 2021 (Lab result received on 12 June 2021) | | |
| Time | 15:30-19:00 (Mid-Flood) and 09:36-13:06 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | WSR1, WSR2, WSR3, WSR4, WSR16 | | |
| | | | |
| 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 |
| | 6.0 mg/L (WSR 1) 6.6 mg/L (WSR 2) 7.4 mg/L (WSR 3) 7.3 mg/L (WSR 4) 5.5 mg/L (WSR 16) | 4.0 mg/L (CF) 5.1 mg/L (CE) | 3.4 mg/L (WSR33) 2.7 mg/L (WSR36) 4.8 mg/L (WSR37) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: Marine construction activities, namely 1) grab dredging of non-marine sediment; 2) chiselling inside a steel casing and welding on I-beam Chisel; 3) Inspection/ servicing of silt curtain</p> <p>Intake Shaft Area: marine construction activities, namely 1) diver's checking/ servicing of silt curtain; 2) 610mm Ø pipe piling on temporary working platform; 3) lifting of 610mm Ø pipe piles</p> <p>Marine construction activities with contact with water: 1) grab dredging of non-marine sediment; 2) diver's checking/ servicing of silt curtain; 3) 610mm Ø pipe piling on temporary working platform</p> <p>Marine vessels on 08 June 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) | | |

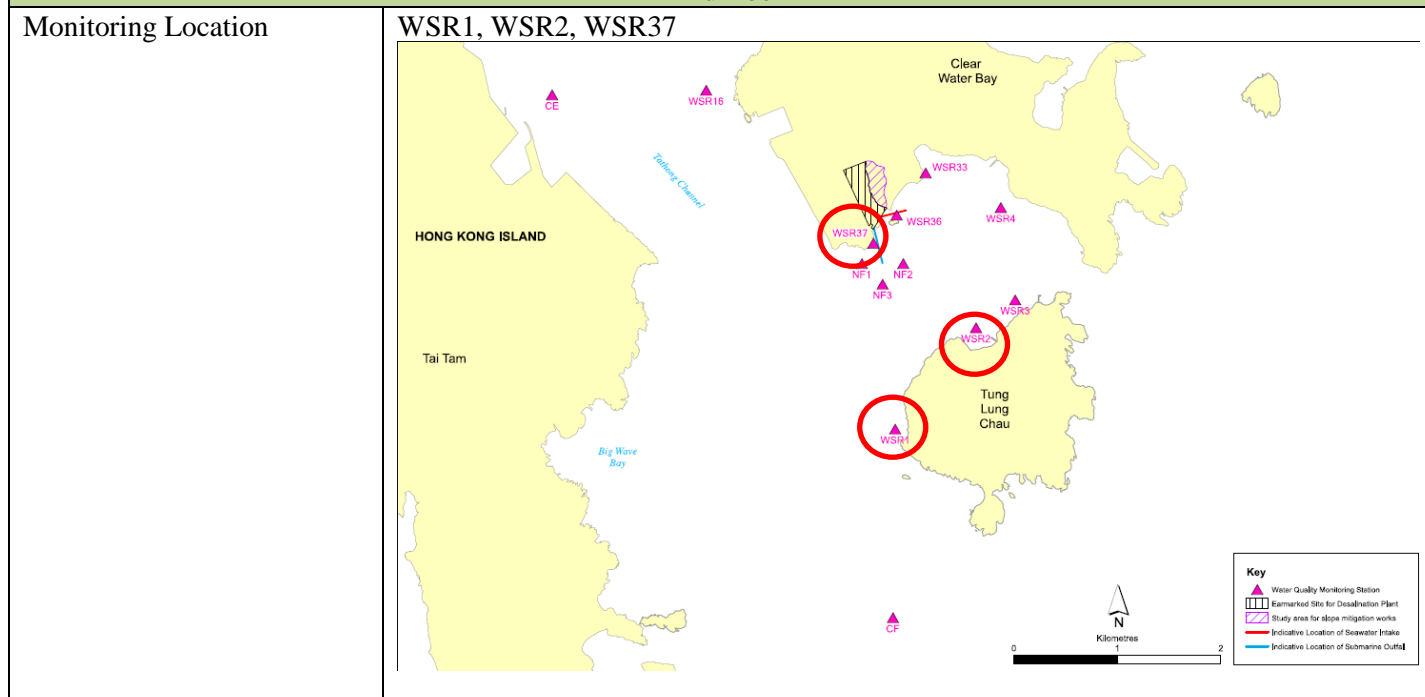
Dominating sea current direction was found to be from Southeast to Northwest at waters to the west side of Tit Cham Chau; and from Northeast to Southwest at waters to the east side of Tit Cham Chau.

SS level for the station closest to the marine construction works (WSR36, 2.7 mg/L) and immediately downstream to the marine construction works (WSR37, 4.8 mg/L) were relatively lower than the stations with SS exceedance. 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 08 June 2021

Conditions of the protective silt curtain at the inland water outfall and Outfall Shaft Area was satisfactory on 08 June 2021.

Mid-Ebb

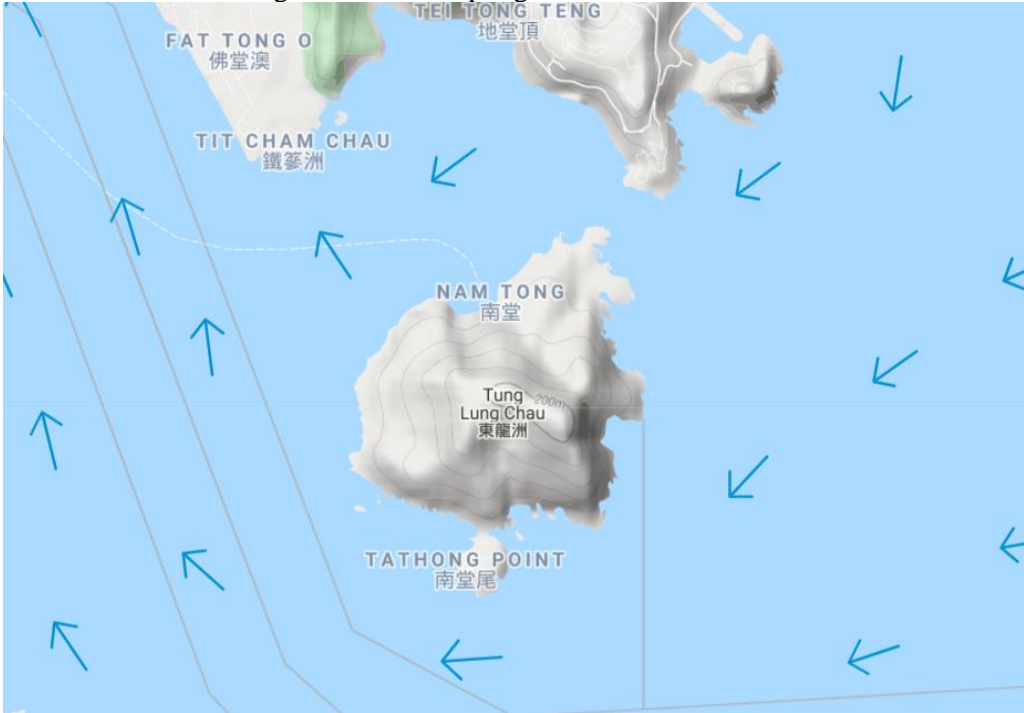


| | | | |
|------------------|----------------------|--|--|
| Parameter | Suspended Solid (SS) | | |
|------------------|----------------------|--|--|

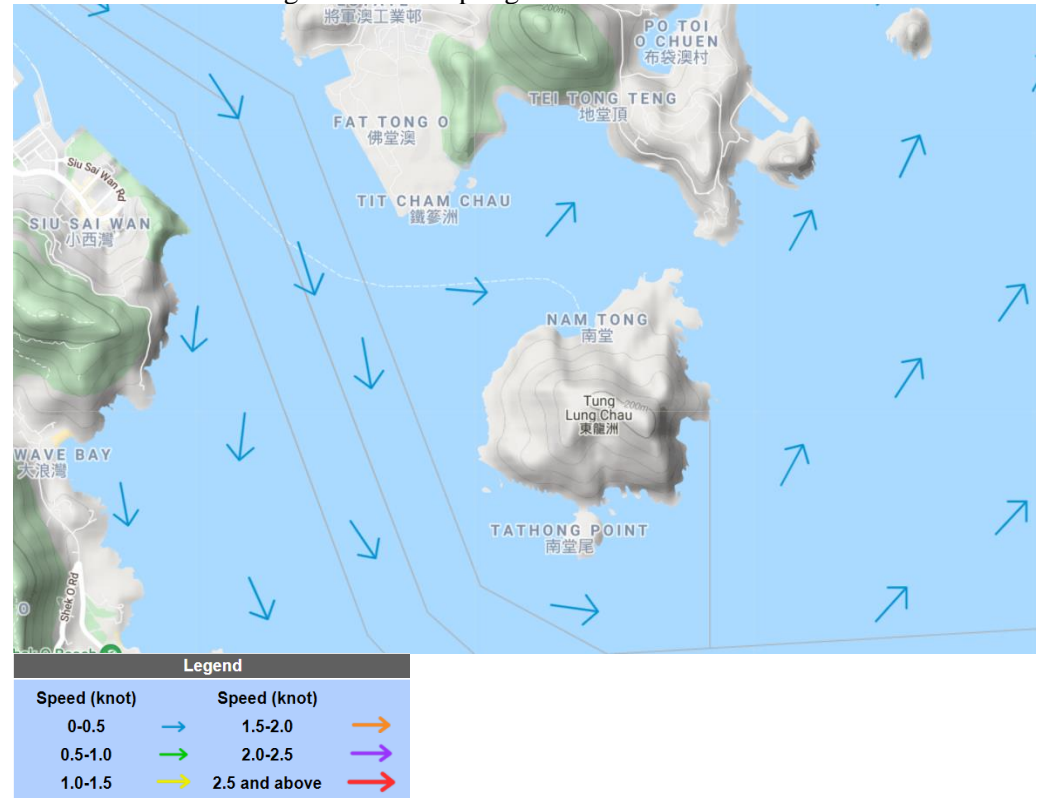
| | | |
|----------------------------------|---------------------|--------------------|
| Action & Limit Levels | Action Level | Limit Level |
| | > 6.2 mg/L | > 6.7 mg/L |

| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
|-------------------|---------------------------------|---|--------------------------------------|
| | | 6.3 mg/L (WSR1) 10.6 mg/L (WSR2) 7.0 mg/L (WSR37) | 5.1 mg/L (CE) 9.7 mg/L (CF) |

| | |
|---|---|
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: Marine construction activities, namely 1) grab dredging of non-marine sediment; 2) chiselling inside a steel casing and welding on I-beam Chisel; 3) Inspection/ servicing of silt curtain</p> |
| | <p>Intake Shaft Area: marine construction activities, namely 1) diver’s checking/ servicing of silt curtain; 2) 610mm Ø pipe piling on temporary working platform; 3) lifting of 610mm Ø pipe piles</p> |

| | |
|----------------|---|
| | <p>Marine construction activities with contact with water: 1) grab dredging of non-marine sediment; 2) diver's checking/ servicing of silt curtain; 3) 610mm Ø pipe piling on temporary working platform</p> <p>Marine vessels on 08 June 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) <p>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.</p> <p>Relatively high SS background level was observed at station CF (9.7 mg/L). Station CF is distant from the construction site and has low possibility of being affected by marine construction works. SS level at WSR37 (7.0 mg/L) is lower than the station that was further away from the site area (WSR2, 10.6 mg/L).</p> <p>No SS exceedances were noted at station WSR36 and WSR33, which locates immediately downstream to site of marine construction activities during mid-ebb tide. With prediction that dredging activities should result in high SS level, the low SS levels at WSR36 and WSR33 infer that natural fluctuation was a plausible reason for the SS exceedance.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 08 June 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 08 June 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-flood sampling on 08 June 2021:</p>  <p>The map displays the current directions during mid-flood sampling on 08 June 2021. It shows several islands and points: FAT TONG O (佛堂澳), TIT CHAM CHAU (鐵蔘洲), NAM TONG (南堂), Tung Lung Chau (東龍洲), and TATHONG POINT (南堂尾). Blue arrows indicate the flow of water currents. The currents generally flow from the northwest towards the southeast, with some local variations around the islands. A dashed line indicates a specific current path or boundary.</p> |

Current direction during mid-ebb sampling on 08 June 2021:



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

Supporting Photo 1 (Sea Conditions at WSR1)



Supporting Photo 2 (Sea Conditions at WSR2)



Supporting Photo 3 (Sea Conditions at WSR3)



Supporting Photo 4 (Sea Conditions at WSR4)



Supporting Photo 5 (Sea Conditions at WSR16)



Supporting Photo 8 (Sea Conditions at WSR37)



Supporting Photo 9 (Sea Conditions at CF)



Supporting Photo 10 (Sea Conditions at CE)



Supporting Photo 11 (Overview Photo of Intake Shaft Area)



Supporting Photo 12 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 13 (Conditions of the Protective Silt Curtain at the Inland Water Outfall)



| | |
|-------------|--------------|
| Prepared by | Charlene Lai |
| Date | 21 June 2021 |

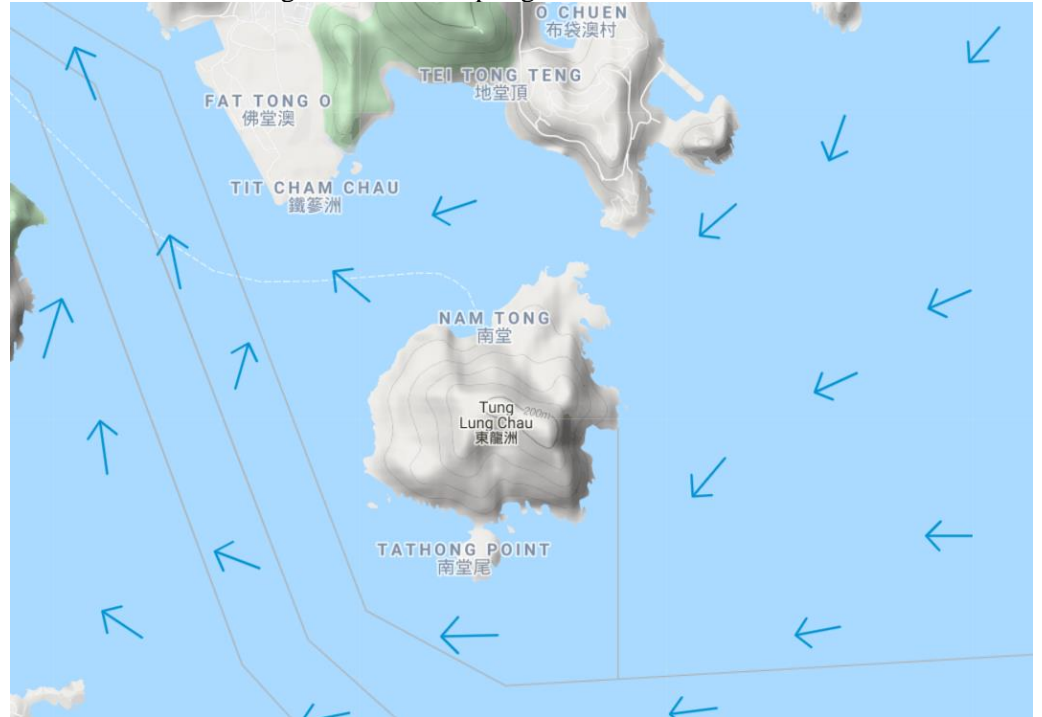
Incident Report on Action Level or Limit Level Non-Compliance

| | | | |
|--|--|--------------------------------|---|
| Project | Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant | | |
| Date | 22 June 2021 (Lab result received on 26 June 2021) | | |
| Time | 15:09-18:39 (Mid-Flood) and 08:24-11:54 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | <p>WSR37</p> | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 5.0 mg/L | | > 6.0 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 5.4 mg/L (WSR 37) | 2.9 mg/L (CF) 2.6 mg/L (CE) | 3.3 mg/L (WSR 1) 2.5 mg/L (WSR 2) 2.5 mg/L (WSR 3) 2.5 mg/L (WSR 4) 2.5 mg/L (WSR 16) 3.9 mg/L (WSR33) 4.6 mg/L (WSR36) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: Marine construction activities, namely 1) grab dredging of non-marine sediment; 2) chiselling inside a steel casing</p> <p>Intake Shaft Area: marine construction activities, namely 1) 610mm Ø pipe piling on temporary working platform; 2) lifting of 610mm Ø pipe piles</p> <p>Marine construction activities with contact with water: 1) grab dredging of non-marine sediment; 2) 610mm Ø pipe piling on temporary working platform</p> <p>Marine vessels on 22 June 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) <p>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.</p> | | |

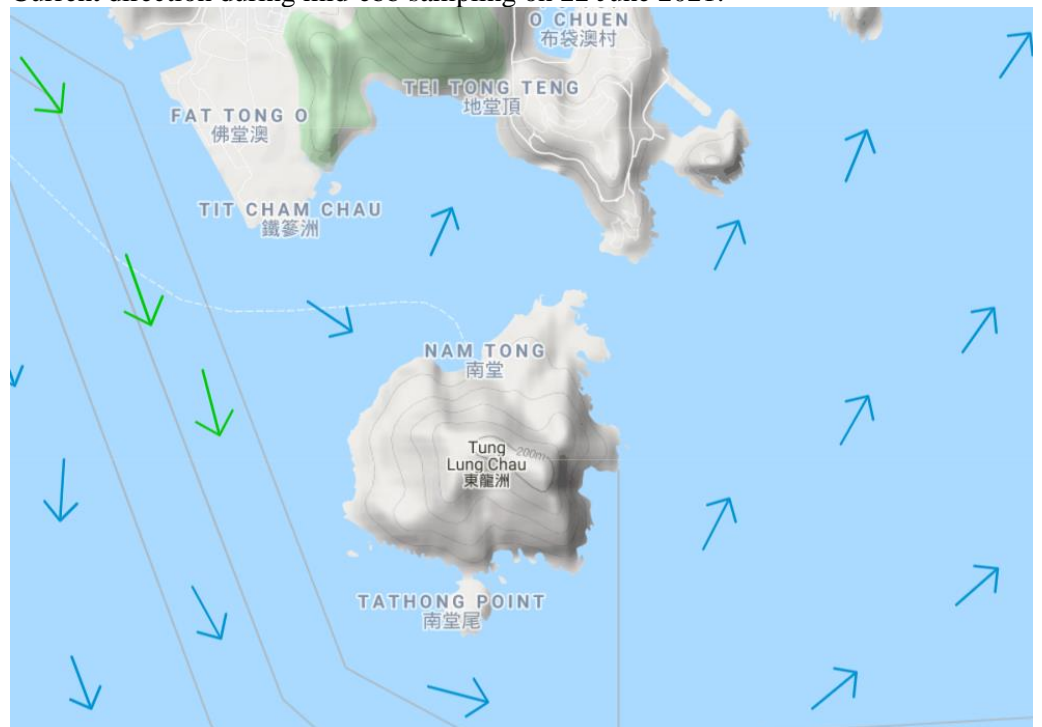
| | |
|--|--|
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: Marine construction activities, namely 1) grab dredging of non-marine sediment; 2) chiselling inside a steel casing</p> <p>Intake Shaft Area: marine construction activities, namely 1) 610mm Ø pipe piling on temporary working platform; 2) lifting of 610mm Ø pipe piles</p> <p>Marine construction activities with contact with water: 1) grab dredging of non-marine sediment; 2) 610mm Ø pipe piling on temporary working platform</p> <p>Marine vessels on 22 June 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) <p>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.</p> <p>SS level for the station downstream to the marine construction works (WSR33, 3.4 mg/L) were relatively lower than the stations at upstream direction (WSR16, 3.7 mg/L). No SS exceedance was observed at WSR37 (4.8 mg/L), where marine construction activities were conducted. WSR1 was distant to the station with marine construction activities. In view of the inverse relation between sea current direction and SS level, the SS exceedance is concluded not project relevant.</p> <p>The observed SS trend at both mid-flood and mid-ebb tide may indicate that marine construction activities at Outfall and Intake Shaft would be the cause for the elevated SS level, however, the work schedule provided by the Main Contractor suggested that the piling rig at the Intake Shaft was under maintenance between 08:00-11:15 and piling works were ceased. Referring to the sampling time at WSR36 (09:22-09:23) during mid-ebb tide, there would be no SS generating activities at Intake Shaft. Hence the SS exceedance for WSR36 during mid-ebb tide would be concluded as not project-related. Sampling time at WSR1 during mid-ebb tide was 10:40-10:42, which the piling rig was under maintenance. Considering that no SS generating activities at Intake Shaft and WSR1 located distant from WSR37 where marine construction activities were conducted, the SS exceedance was considered as not project-related.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 22 June 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 22 June 2021.</p> |
|--|--|

Remarks

Current direction during mid-flood sampling on 22 June 2021:



Current direction during mid-ebb sampling on 22 June 2021:



| Legend | | | |
|--------------|---|---------------|---|
| Speed (knot) | → | Speed (knot) | → |
| 0-0.5 | → | 1.5-2.0 | → |
| 0.5-1.0 | → | 2.0-2.5 | → |
| 1.0-1.5 | → | 2.5 and above | → |

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

Supporting Photo 1 (Sea Conditions at WSR1)



Supporting Photo 2 (Sea Conditions at WSR36)



Supporting Photo 3 (Sea Conditions at WSR37)



Supporting Photo 4 (Sea Conditions at Intake Shaft Area)



Supporting Photo 5 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 6 (Conditions of the Protective Silt Curtain at the Inland Water Outfall)



Supporting Photo 7 (Warnings and Signals issued in June 2021)

Warnings and Signals issued in June 2021

Table 1.1 Tropical Cyclone Warning Signals

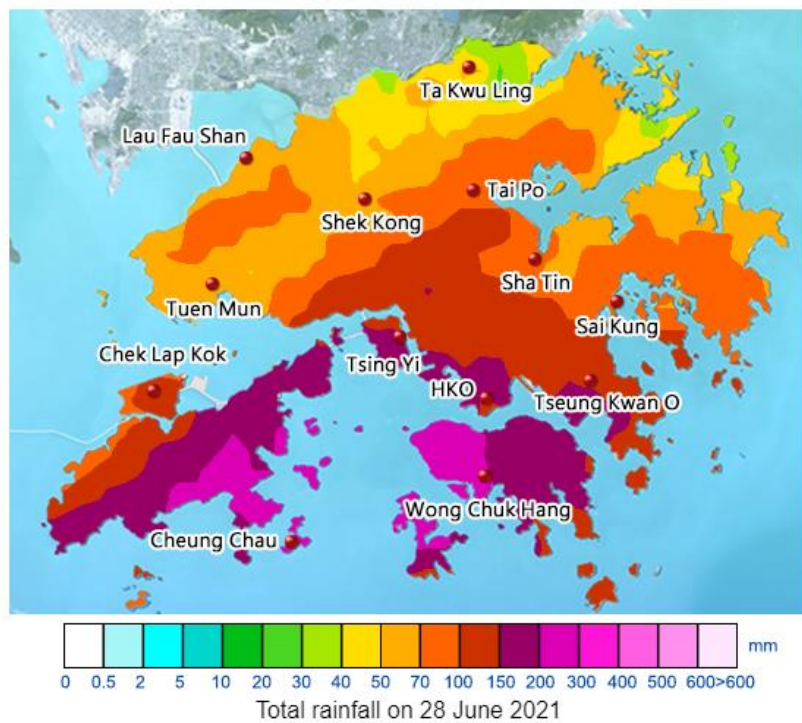
| Name of Tropical Cyclone | Signal Number | Beginning Time Day/Month HKT | Ending Time Day/Month HKT |
|--------------------------|---------------|------------------------------|---------------------------|
| KOGUMA | 1 | 11 / 6 1615 | 12 / 6 1410 |

Table 1.2 Rainstorm Warning Signals

| Colour | Beginning Time | | Ending Time | |
|--------|----------------|------|-------------|------|
| | Day/Month | HKT | Day/Month | HKT |
| Amber | 1 / 6 | 0810 | 1 / 6 | 0935 |
| Amber | 1 / 6 | 1530 | 1 / 6 | 1715 |
| Red | 1 / 6 | 1715 | 1 / 6 | 1815 |
| Amber | 1 / 6 | 1815 | 1 / 6 | 2110 |
| Amber | 11 / 6 | 2025 | 11 / 6 | 2245 |
| Amber | 22 / 6 | 0650 | 22 / 6 | 0830 |
| Amber | 23 / 6 | 1410 | 23 / 6 | 1530 |
| Amber | 24 / 6 | 0700 | 24 / 6 | 0820 |
| Amber | 24 / 6 | 1330 | 24 / 6 | 1445 |
| Amber | 26 / 6 | 0600 | 26 / 6 | 0825 |
| Amber | 28 / 6 | 0505 | 28 / 6 | 0555 |
| Red | 28 / 6 | 0555 | 28 / 6 | 0820 |
| Black | 28 / 6 | 0820 | 28 / 6 | 1105 |
| Red | 28 / 6 | 1105 | 28 / 6 | 1145 |
| Amber | 28 / 6 | 1145 | 28 / 6 | 1230 |

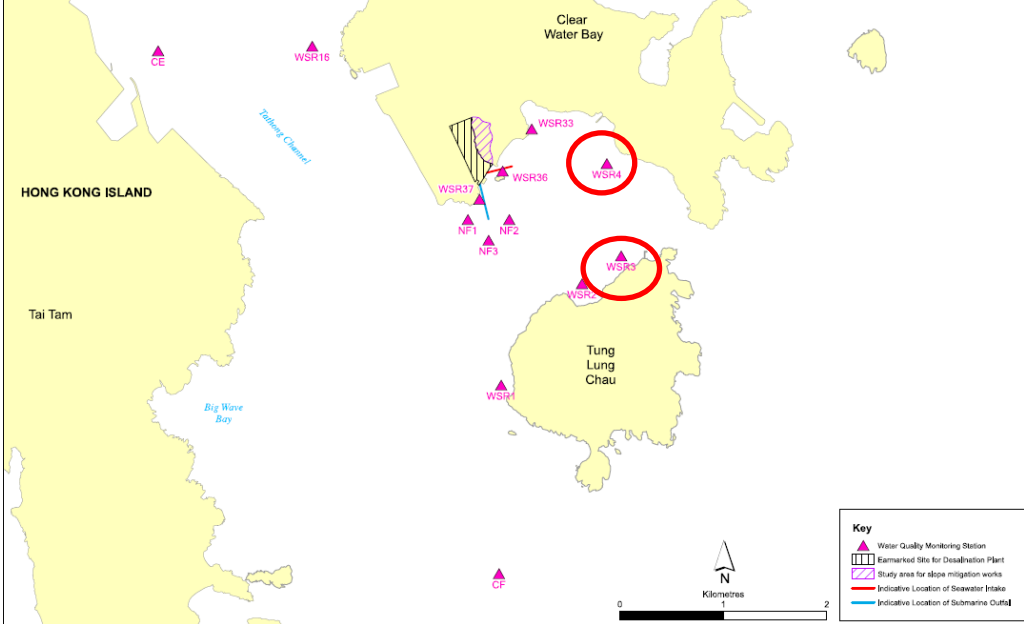
Supporting Photo 8 (Total rainfall on 28 June 2021)

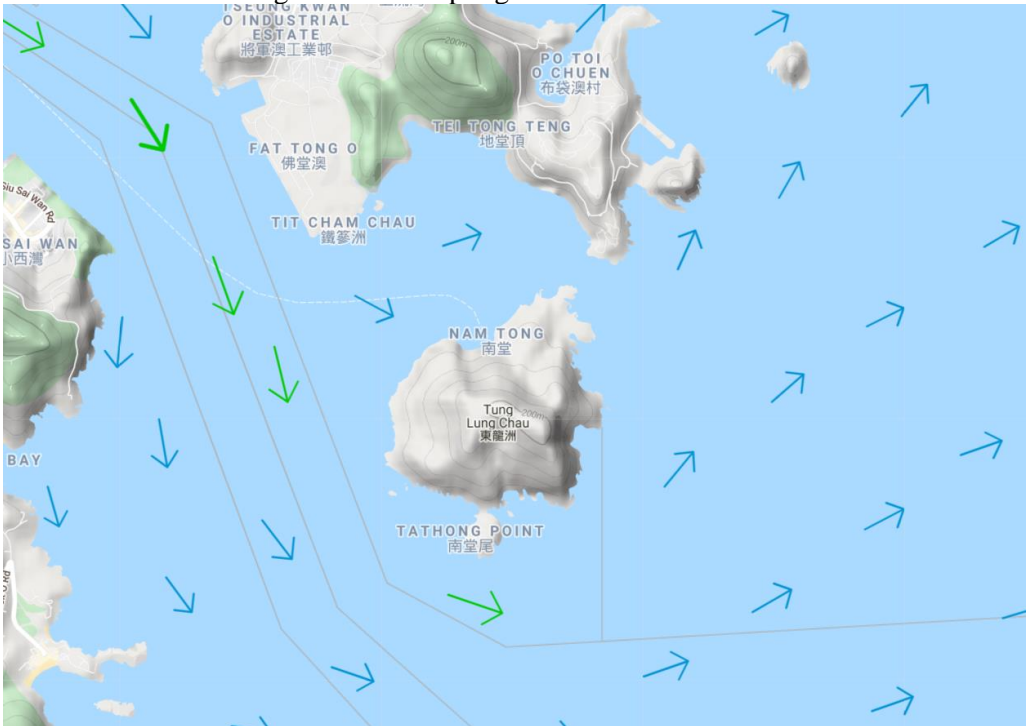
Total rainfall on 28-Jun-2021 (based on raingauges and radar data)



| Supporting Table 1 (Daily Dredging Rate in June) | | |
|--|----------------------|----------------------------|
| <i>Outfall</i> | <u>m³</u> | <u>m³ (cum)</u> |
| 1/6/2021 | 43.5 | 1604.4 |
| 2/6/2021 | 43.5 | 1647.9 |
| 3/6/2021 | 21.8 | 1669.7 |
| 4/6/2021 | 0 | 1669.7 |
| 5/6/2021 | 47.3 | 1717 |
| 6/6/2021 | 11 | 1728 |
| 7/6/2021 | 40.3 | 1768.3 |
| 8/6/2021 | 39.7 | 1808 |
| 9/6/2021 | 40.6 | 1848.6 |
| 10/6/2021 | 77 | 1925.6 |
| 11/6/2021 | 106.2 | 2031.8 |
| 12/6/2021 | 41.5 | 2073.3 |
| 13/6/2021 | 0 | 2073.3 |
| 14/6/2021 | 0 | 2073.3 |
| 15/6/2021 | 83.2 | 2156.5 |
| 16/6/2021 | 41.5 | 2198 |
| 17/6/2021 | 63.6 | 2261.6 |
| 18/6/2021 | 42.4 | 2304 |
| 19/6/2021 | 42.7 | 2346.7 |
| 20/6/2021 | 0 | 2346.7 |
| 21/6/2021 | 35.3 | 2382 |
| 22/6/2021 | 15 | 2397 |
| 23/6/2021 | 13.7 | 2410.7 |
| 24/6/2021 | 21.3 | 2432 |
| 25/6/2021 | 30.5 | 2462.5 |
| 26/6/2021 | 21.8 | 2484.3 |
| 27/6/2021 | 0 | 2484.3 |
| 28/6/2021 | 0 | 2484.3 |
| 29/6/2021 | 0 | 2484.3 |
| 30/6/2021 | 19.7 | 2504 |
| Prepared by | Charlene Lai | |
| Date | 08 July 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 | 29 June 2021 (Lab result received on 05 July 2021) | | |
| Time | 08:00-11:30 (Mid-Flood) and 14:05-17:35 (Mid-Ebb) | | |
| Mid-Ebb | | | |
| Monitoring Location | WSR3, WSR4  | | |
| 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 |
| | 6.6 mg/L (WSR3) 5.7 mg/L (WSR4) | 3.6 mg/L (CE) 3.6 mg/L (CF) | 4.0 mg/L (WSR1) 3.0 mg/L (WSR2) 3.9 mg/L (WSR16) 4.0 mg/L (WSR33) 4.9 mg/L (WSR36) 3.9 mg/L (WSR37) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: Marine construction activities, namely 1) grab dredging of non-marine sediment; 2) chiselling inside a steel casing</p> <p>Intake Shaft Area: marine construction activities, namely 1) 610mm Ø pipe piling on temporary working platform; 2) lifting of 610mm Ø pipe piles</p> <p>Marine construction activities with contact with water: 1) grab dredging of non-marine sediment; 2) 610mm Ø pipe piling on temporary working platform</p> <p>Marine vessels on 29 June 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) <p>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.</p> | | |

| | |
|----------------|--|
| | <p>SS level for the stations closest to the marine construction works (WSR36, 4.9 mg/L; WSR37, 3.9 mg/L) have no SS exceedance. With prediction that dredging activities should result in high SS level, the observed SS levels at WSR36 and WSR37 infer that SS exceedances at WSR3 and WSR4 were not project-related.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 29 June 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 29 June 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-ebb sampling on 29 June 2021:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p> |

Supporting Photo 1 (Sea Conditions at WSR3)



Supporting Photo 2 (Sea Conditions at WSR4)



Supporting Photo 3 (Sea Conditions at Intake Shaft Area)



Supporting Photo 4 (Sea Conditions at Outfall Shaft Area)



Prepared by Charlene Lai

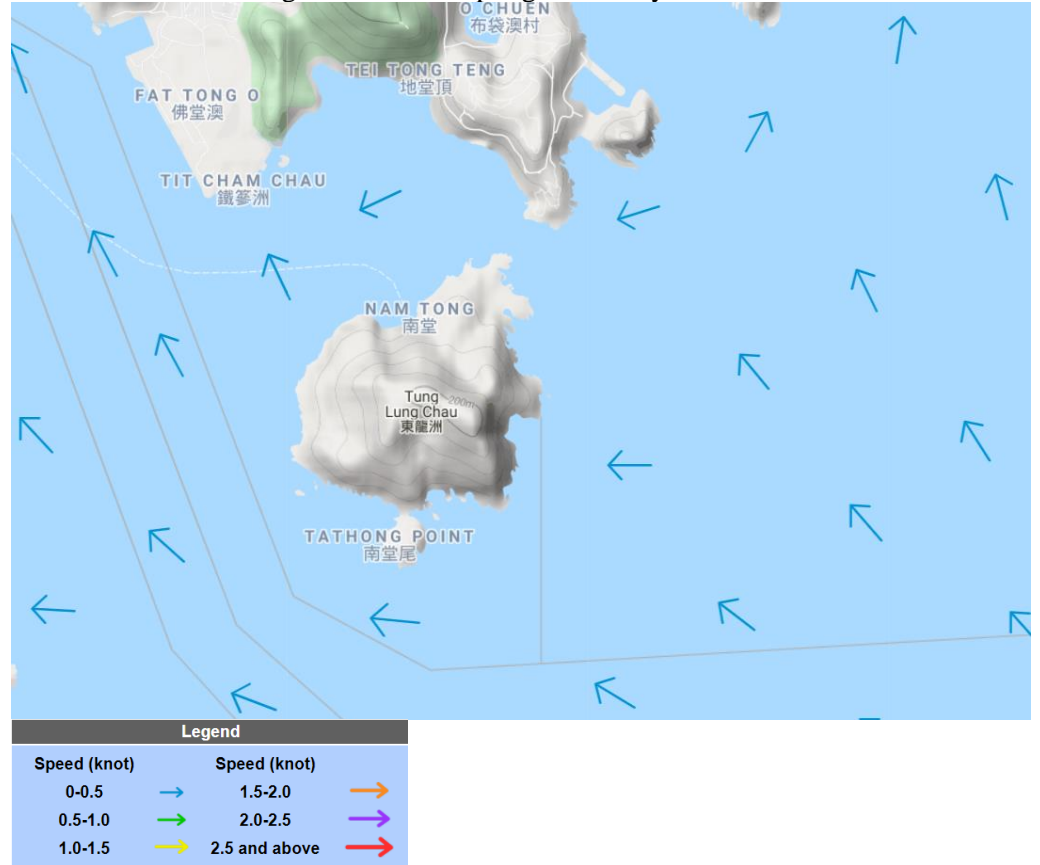
Date 14 July 2021

Incident Report on Action Level or Limit Level Non-Compliance

| | | | |
|--|---|--------------------------------|--|
| Project | Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant | | |
| Date | 01 July 2021 (Lab result received on 08 July 2021) | | |
| Time | 08:40-12:10 (Mid-Flood) and 15:30-19:00 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | WSR37 | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 5.0 mg/L | | > 6.0 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 5.9 mg/L (WSR37) | 2.9 mg/L (CE) 3.1 mg/L (CF) | 3.7 mg/L (WSR1) 2.6 mg/L (WSR2) 3.7 mg/L (WSR3) 2.8 mg/L (WSR4) 2.9 mg/L (WSR16) 3.5 mg/L (WSR33) 2.5 mg/L (WSR36) |
| Possible reason for Action or Limit Level Non-compliance | <p>01 July 2021 was a public holiday and as confirmed by the Main Contractor, no marine construction works were conducted on the respective day.</p> <p>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.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 01 July 2021.</p> | | |

Remarks

Current direction during mid-flood sampling on 01 July 2021:



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

Supporting Photo 1 (Sea Conditions at WSR37)



Supporting Photo 2 (Overview of Intake Shaft)



Supporting Photo 3 (Overview of Outfall Shaft)



| | |
|-------------|---|
| | <p>Supporting Photo 4 (Declaration Email)</p> <p> Fri 16/7/2021 11:33 am</p> <p> 甘忠校 <chungchau_kam@cohl.com> RE: [TKODP] Contract No. 13/WSD/17 Notification of Water Quality Monitoring Data Exceedance (01.07.2021)</p> <p>To clai@acuityhk.com</p> <p>Cc 'Binnies-David Wong<SRE.Gen./Mea.>'; 'Binnies-Toby Ng<SRE.Civil>'; 'Binnies-Roger Wu<CRE>'; 'Binnies-POON Ying-kok<RE.Safety/Env.>'; 'Binnies-Image Yeung<ARE.Safety>'; 'Binnies-Vanessa Leung<ARE.Geo.>'; 'Nelson Tsui'; 'Kevin Li'; 'Jacky C H Leung'; 'Reasonlie Cheung'; 'Binnies-Raymond Kok<RE.BIM/BEAM>'; 'Binnies-Derek Lai<ARE.Env.>'; 'James Choi'; 'fctsang@acuityhk.com'; 'BV-Shirley Cheng<RE.IT/Perm./PR>'; 曾倩兒; Wong, Wing Keung (CN - Hong Kong); Cheung, Tony Siu Ngok (CN - Hong Kong); Shum, Hing Kwong (CN - Hong Kong); 歐炳強; 'Louis KWAN ANewR'</p> <p>Dear Charlene,</p> <p>Our marine op team confirmed no marine work activities on 1 July which is a public holiday.</p> <p>Regards, Brian</p> |
| Prepared by | Charlene Lai |
| Date | 19 July 2021 |

SS level for the station downstream to the marine construction works (WSR16, 2.5 mg/L) was as low as other upstream monitoring stations. No SS exceedance was observed at WSR36 (2.5 mg/L), where marine construction activities were conducted.

Although the dredging rate on 03 July 2021 (99 m³) was higher than the two closest monitoring dates, namely 01 July 2021 (0 m³) and 06 July 2021 (0 m³), the SS level at WSR37 (5.2 mg/L), where dredging works were conducted, was lower than that of 01 July 2021 and 06 July 2021 (5.9 mg/L and 7.1 mg/L respectively) for the same station during the same tidal stage (mid-flood). The high SS value at WSR37 from recent monitoring events infers that factors other than dredging operation may have caused the elevated SS value.

According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 03 July 2021.

Conditions of the protective silt curtain at the inland water outfall and Outfall Shaft Area was satisfactory on 03 July 2021.

Mid-Ebb

| | | | |
|----------------------------|---------------------------------|--|--|
| Monitoring Location | WSR3, WSR4, WSR16, WSR33, WSR36 | | |
| | | | |

| | | | |
|---|--|--------------------------------|--|
| 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 |
| | 6.6 mg/L (WSR3) 7.3 mg/L (WSR4) 6.5 mg/L (WSR16) 8.8 mg/L (WSR33) 7.6 mg/L (WSR36) | 3.1 mg/L (CE) 2.6 mg/L (CF) | 3.2 mg/L (WSR1) 3.8 mg/L (WSR2) 4.7 mg/L (WSR37) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: Marine construction activities, namely 1) grab dredging of non-marine sediment; 2) chiselling inside a steel casing (alternately 0800-2000 hrs)</p> <p>Intake Shaft Area: marine construction activities, namely 1) 610mm Ø pipe piling on temporary working platform; 2) lifting of 610mm Ø pipe piles (0800-1800 hrs)</p> | | |

Marine construction activities with contact with water: 1) grab dredging of non-marine sediment; 2) 610mm Ø pipe piling on temporary working platform

Marine vessels on 03 July 2021:

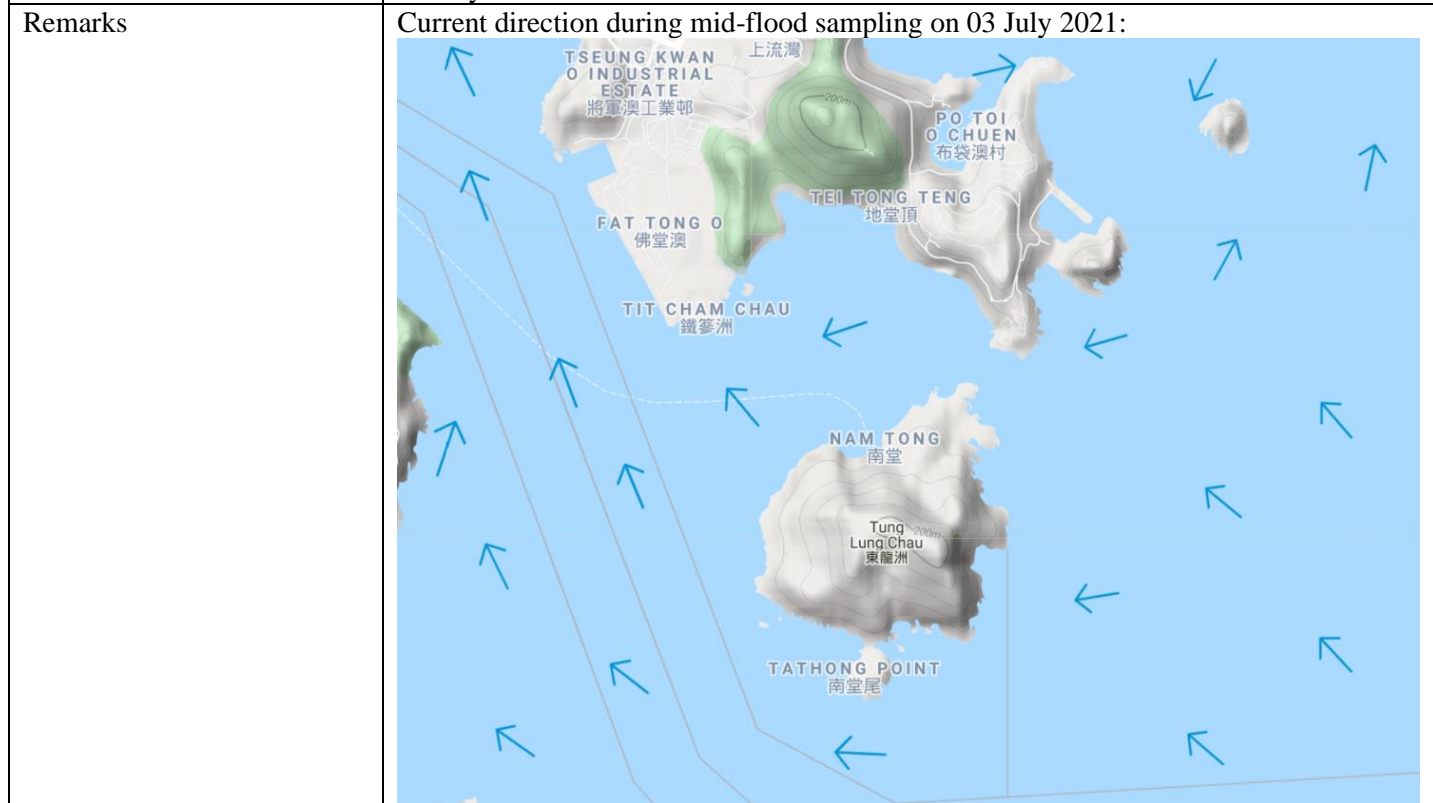
- Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft)
- Derrick barge x 2 (Outfall Shaft)

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.

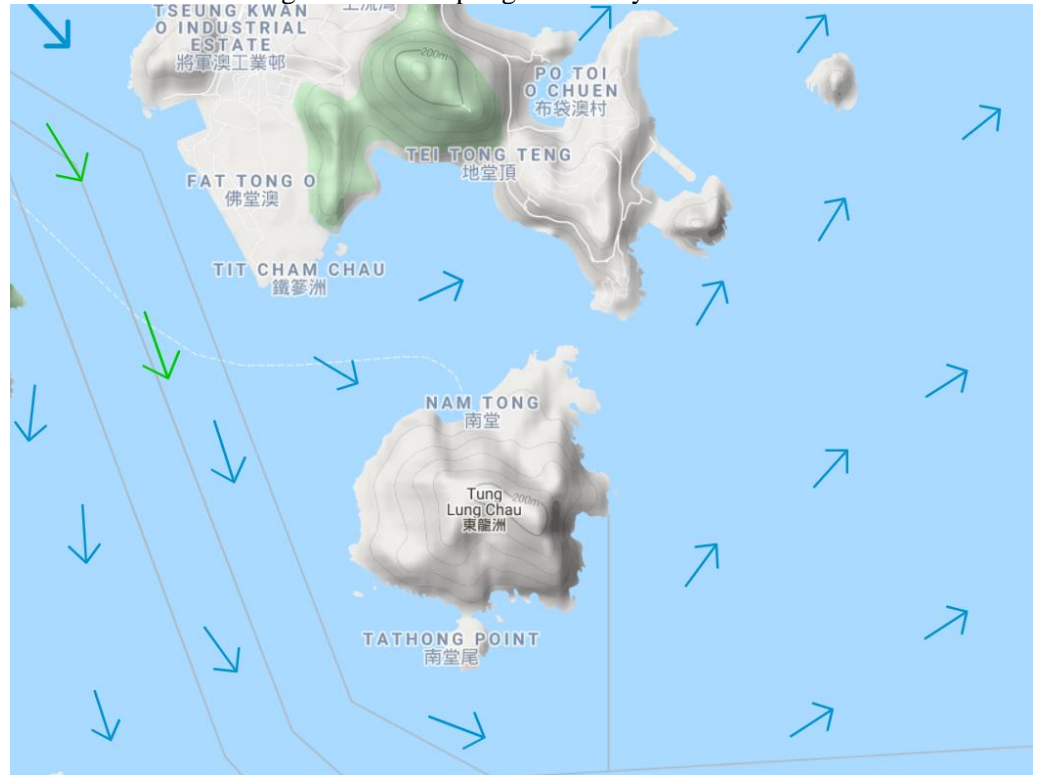
Monitoring station that was closest to marine construction activities (WSR36, 7.6 mg/L) was lower than WSR33 (8.8 mg/L), which was further away from the construction site. WSR4 (7.3 mg/L) was situated at a further location but with SS level observed comparable to monitoring stations near to marine construction activities (WSR36, WSR33). This may infer that other natural factors may have led to the SS exceedance at WSR4. No SS exceedance was observed at WSR37 (4.7 mg/L), where dredging works were conducted. Two other monitoring stations noted with SS exceedance, namely WSR3 and WSR16, were distant to the station with marine construction activities. However, the SS level of WSR16 was higher than the Limit Level (6.0 mg/L), implying that SS had resulted from other source(s). In view of the inverse relation between distance to marine works and SS level, the SS exceedance was 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 03 July 2021.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 03 July 2021.



Current direction during mid-ebb sampling on 03 July 2021:



| Legend | | | |
|--------------|---|---------------|---|
| Speed (knot) | | Speed (knot) | |
| 0-0.5 | → | 1.5-2.0 | → |
| 0.5-1.0 | → | 2.0-2.5 | → |
| 1.0-1.5 | → | 2.5 and above | → |

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

Supporting Photo 1 (Sea Conditions at WSR3)



Supporting Photo 2 (Sea Conditions at WSR4)



Supporting Photo 3 (Sea Conditions at WSR16)



Supporting Photo 4 (Sea Conditions at WSR33)



Supporting Photo 5 (Sea Conditions at WSR36)



Supporting Photo 6 (Sea Conditions at WSR37)



Supporting Photo 7 (Sea Conditions at Intake Shaft Area)



Supporting Photo 8 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 9 (Daily Dredging Rate up to 14 July 2021)

| <i>Outfall</i> | <u>m3</u> | <u>m3 (cum)</u> |
|-----------------------|------------------|------------------------|
| 1/7/2021 | 0 | 2504 |
| 2/7/2021 | 0 | 2504 |
| 3/7/2021 | 99 | 2603 |
| 4/7/2021 | 0 | 2603 |
| 5/7/2021 | 28.3 | 2631.3 |
| 6/7/2021 | 0 | 2631.3 |
| 7/7/2021 | 0 | 2631.3 |
| 8/7/2021 | 0 | 2631.3 |
| 9/7/2021 | 0 | 2631.3 |
| 10/7/2021 | 0 | 2631.3 |
| 11/7/2021 | 80.7 | 2712 |
| 12/7/2021 | 0 | 2712 |
| 13/7/2021 | 0 | 2712 |
| 14/7/2021 | 0 | 2712 |

| Supporting Photo 10 (SS level on 01 July 2021) | | | | | |
|--|--------------|---------------------|--------------------|-------------------|-----------------|
| | Locations | SS (flood average) | SS (ebb average) | SS (flood exceed) | SS (ebb exceed) |
| | WSR1 | 3.7 | 3.0 | No | No |
| | WSR2 | 2.6 | 4.2 | No | No |
| | WSR3 | 3.7 | 2.5 | No | No |
| | WSR4 | 2.8 | 2.6 | No | No |
| (ebb control) | CE | 2.9 | 4.3 | | |
| (flood control) | CF | 3.1 | 2.8 | | |
| | WSR16 | 2.9 | 3.3 | No | No |
| | WSR33 | 3.5 | 2.5 | No | No |
| | WSR36 | 2.5 | 2.5 | No | No |
| | WSR37 | 5.9 | 2.5 | Yes | No |
| | | Action level | Limit level | | |
| | CE (ebb) | 5.2 | 6.0 | | |
| | CF (flood) | 5.0 | 6.0 | | |
| Supporting Photo 11 (SS level on 06 July 2021) | | | | | |
| | Locations | SS (flood average) | SS (ebb average) | SS (flood exceed) | SS (ebb exceed) |
| | WSR1 | 2.8 | 7.9 | No | No |
| | WSR2 | 4.7 | 15.9 | No | Yes |
| | WSR3 | 7.5 | 22.7 | Yes | Yes |
| | WSR4 | 5.7 | 21.3 | Yes | Yes |
| (ebb control) | CE | 2.5 | 7.6 | | |
| (flood control) | CF | 2.7 | 7.3 | | |
| | WSR16 | 7.5 | 20.8 | Yes | Yes |
| | WSR33 | 7.2 | 22.0 | Yes | Yes |
| | WSR36 | 6.9 | 21.8 | Yes | Yes |
| | WSR37 | 7.1 | 23.9 | Yes | Yes |
| | | Action level | Limit level | | |
| | CE (ebb) | 9.1 | 9.9 | | |
| | CF (flood) | 5.0 | 6.0 | | |
| Prepared by | Charlene Lai | | | | |
| Date | 20 July 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 | 06 July 2021 (Lab result received on 13 July 2021) | | |
| Time | 15:22-18:52 (Mid-Flood) and 08:40-12:10 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 | | |
| | | | |
| 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 |
| | 7.5 mg/L (WSR 3) 5.7 mg/L (WSR 4) 7.5 mg/L (WSR 16) 7.2 mg/L (WSR33) 6.9 mg/L (WSR36) 7.1 mg/L (WSR 37) | 2.7 mg/L (CF) 2.5 mg/L (CE) | 2.8 mg/L (WSR 1) 4.7 mg/L (WSR 2) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: No marine activities till 1700 hrs. 1 derrick barge returned from typhoon shelter and moored in position (1700- 1900 hrs).</p> <p>Intake Shaft Area: marine construction activities, namely 1) 610mm Ø pipe piling on temporary working platform; 2) lifting of 610mm Ø pipe piles</p> <p>Marine construction activities with contact with water: 1) 610mm Ø pipe piling on temporary working platform</p> <p>Marine vessels on 06 July 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 1(Outfall Shaft) <p>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.</p> | | |

As been advised by the Main Contractor, no dredging activities was conducted at WSR37 on 06 July 2021. Since it is expected that dredging activities will generate high SS, the SS value at WSR37 infers other factors may have caused the elevated SS value. The SS level at WSR37 (7.1 mg/L) was also higher than WSR36 (6.9 mg/L), where no dredging activities was conducted at WSR37. The SS level of an upstream location, WSR3 (7.5 mg/L), was higher than WSR36, where marine construction works were observed. In view of the inverse relation between sea current direction and SS level, the SS exceedance is concluded not project relevant. The SS levels of upstream locations, i.e. WSR3 (7.5 mg/L), WSR4 (5.7 mg/L) and WSR33 (7.2 mg/L), have all exceeded the Action Level (5.0 mg/L), implying that SS had resulted from other source(s).

Tropical cyclone warning signal no.1 was issued on 06 July 2021 with accumulative rainfall reaching 30mm over Joss-House Bay (Tai Miu Wan). The rainfall may lead to release of SS content from the soil of the nearby lands (e.g. country park, fill bank). The SS data during mid-flood tide suggested unstable weather conditions may be the dominating factor of elevated SS value of which all monitoring stations in the Joss House Bay have reached 20-24 mg/L on 06 July 2021.

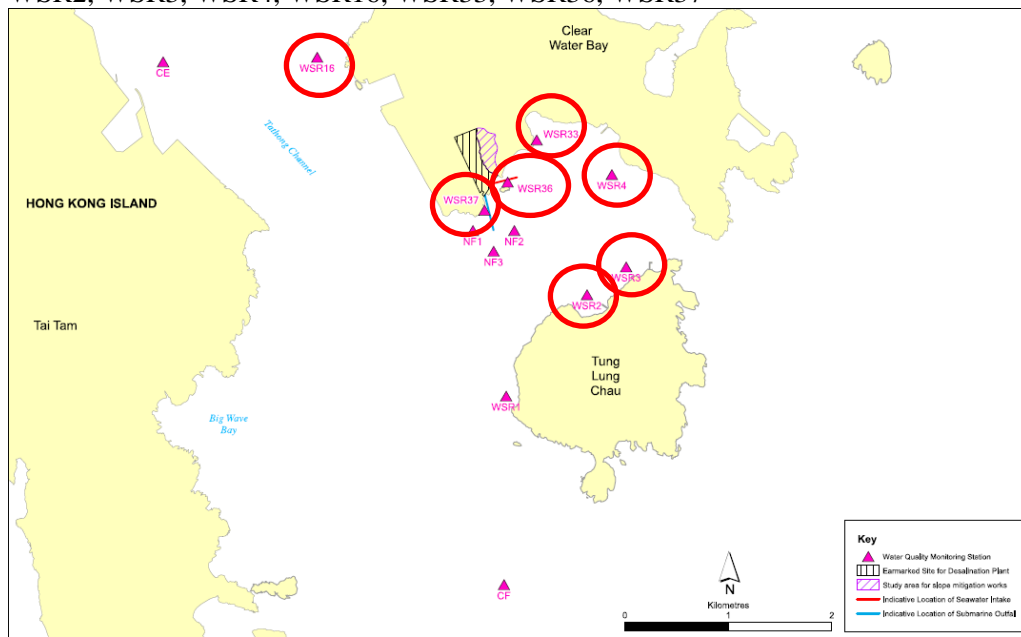
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 06 July 2021.

Conditions of the protective silt curtain at the inland water outfall and Outfall Shaft Area was satisfactory on 06 July 2021.

Mid-Ebb

Monitoring Location

WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37



Parameter

Suspended Solid (SS)

Action & Limit Levels

Action Level

Limit Level

> 9.1 mg/L

> 9.9 mg/L

Measurement Level

Impact Station(s) of Exceedance

Control Stations

Impact Station(s) without Exceedance

15.9 mg/L (WSR2)
22.7 mg/L (WSR3)
21.3 mg/L (WSR4)
20.8 mg/L (WSR16)
22.0 mg/L (WSR33)
21.8 mg/L (WSR36)

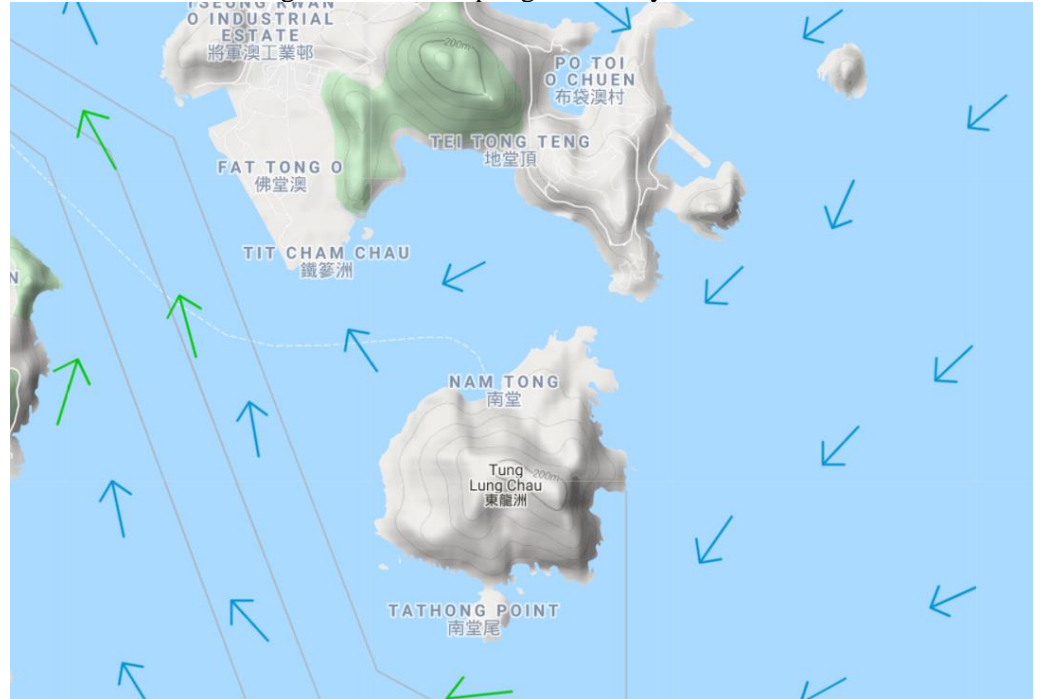
7.6 mg/L (CE)
7.3 mg/L (CF)

7.9 mg/L (WSR1)

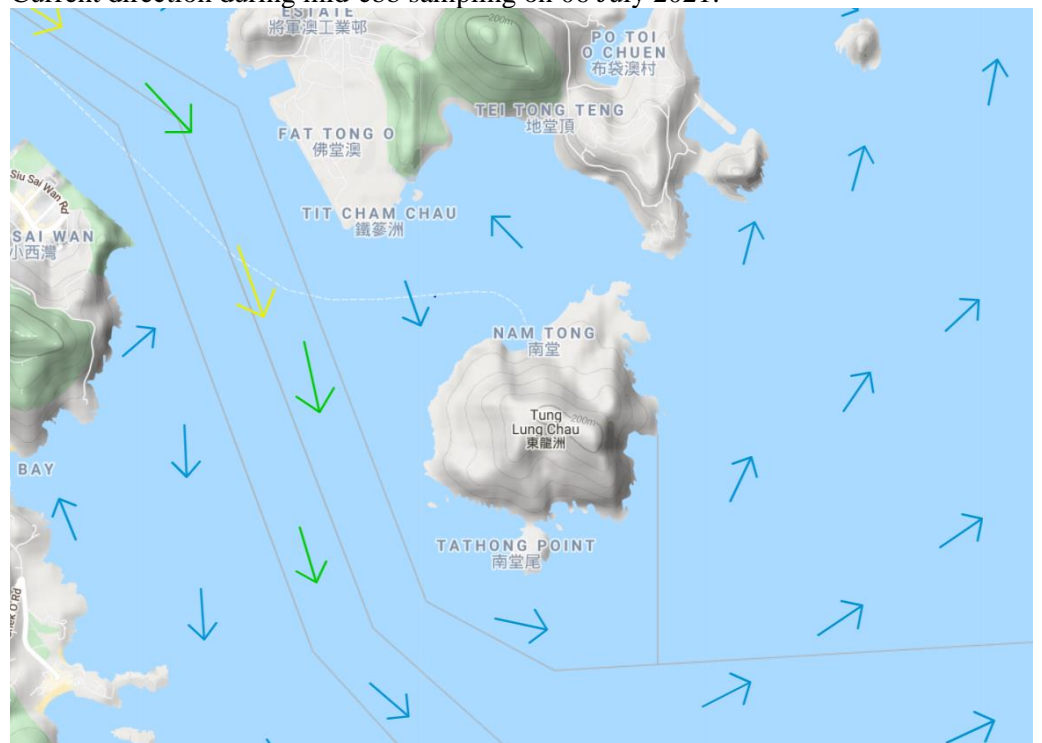
| | | | |
|--|--|--|--|
| | 23.9 mg/L (WSR37) | | |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: No marine activities till 1700 hrs. 1 derrick barge returned from typhoon shelter and moored in position (1700- 1900 hrs).</p> <p>Intake Shaft Area: marine construction activities, namely 1) 610mm Ø pipe piling on temporary working platform; 2) lifting of 610mm Ø pipe piles</p> <p>Marine construction activities with contact with water: 1) 610mm Ø pipe piling on temporary working platform</p> <p>Marine vessels on 06 July 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 1(Outfall Shaft) <p>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.</p> <p>As been advised by the Main Contractor, no dredging activities was conducted at WSR37 on 06 July 2021. The SS level at WSR37 was nonetheless the highest comparing with other monitoring stations. Since it is expected that dredging activities will generate high SS, the SS value at WSR37 infers other factors may have caused the elevated SS value. The SS level of a distant location, WSR3 (22.7 mg/L), was higher than WSR36 (21.8 mg/L), where marine construction works were conducted. The SS level of a distant location, WSR16 (20.8 mg/L) upstream, clearly showed that such high SS had resulted from other source(s).</p> <p>Tropical cyclone warning signal no.1 was issued on 06 July 2021 with accumulative rainfall reaching 30mm over Joss-House Bay (Tai Miu Wan). The rainfall may lead to release of SS content from the soil of the nearby lands (e.g. country park, fill bank). The SS data during mid-ebb tide suggested unstable weather conditions may be the dominating factor of elevated SS value of which all monitoring stations in the Joss House Bay have reached 20-24 mg/L on 06 July 2021.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 06 July 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 06 July 2021.</p> | | |

Remarks

Current direction during mid-flood sampling on 06 July 2021:



Current direction during mid-ebb sampling on 06 July 2021:



| Legend | | | |
|--------------|---|---------------|---|
| Speed (knot) | → | Speed (knot) | → |
| 0-0.5 | → | 1.5-2.0 | → |
| 0.5-1.0 | → | 2.0-2.5 | → |
| 1.0-1.5 | → | 2.5 and above | → |

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

Supporting Photo 1 (Sea Conditions at WSR2)



Supporting Photo 2 (Sea Conditions at WSR3)



Supporting Photo 3 (Sea Conditions at WSR4)



Supporting Photo 4 (Sea Conditions at WSR16)



Supporting Photo 5 (Sea Conditions at WSR33)



Supporting Photo 6 (Sea Conditions at WSR36)



Supporting Photo 7 (Sea Conditions at WSR37)



Supporting Photo 8 (Sea Conditions at CF)



Supporting Photo 9 (Sea Conditions at CE)



Supporting Photo 10 (Sea Conditions at Intake Shaft Area)



Supporting Photo 11 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 12 (Warnings and Signals issued in July 2021)

香港天文台 HONG KONG OBSERVATORY

26 Jul 2021 (Mon) 32.7°C 72% (14:30) 繁體 Text Size

Weather | Climate | Geophysics | Astronomy and Time | Radiation Monitoring | Community | Learning | International & Regional Cooperation | Media and News | e-Services | About Us

Home > Climate > Climate Information Service > HKO Warnings/Signals Database

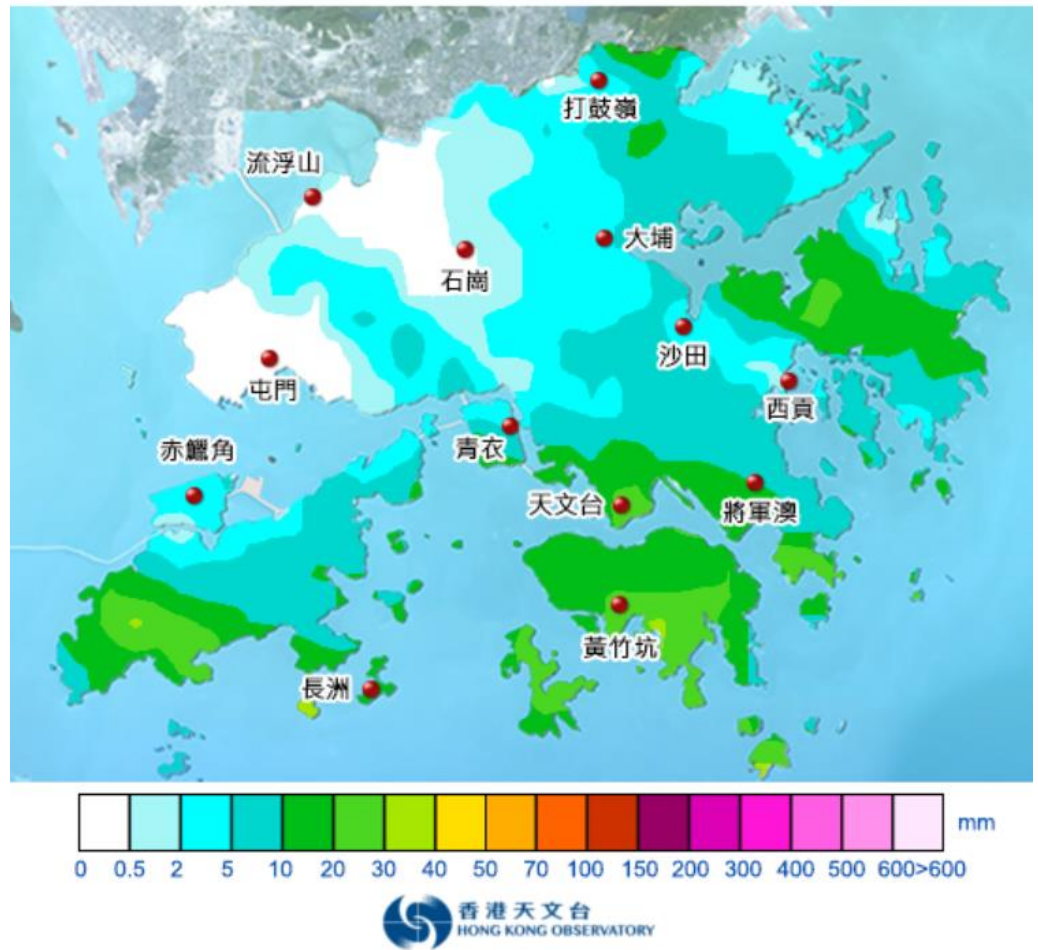
Weather Warning and Signals Record (6/Jul/2021)

Tropical Cyclone Warning Signals

| | Warning and Signals | Start Time | | End Time | |
|----|----------------------|------------|-------------|----------|-------------|
| | | hh:mm | dd/mon/yyyy | hh:mm | dd/mon/yyyy |
| T1 | Standby Signal No. 1 | 04:15 | 06/Jul/2021 | 14:10 | 07/Jul/2021 |

Supporting Photo 13 (Total rainfall on 06 July 2021)

2021年7月6日的總雨量 (基於雨量計及雷達數據)



Supporting Photo 14 (Daily Dredging Rate up to 14 July 2021)

| <i>Outfall</i> | <i>m³</i> | <i>m³ (cum)</i> |
|----------------|----------------------|----------------------------|
| 1/7/2021 | 0 | 2504 |
| 2/7/2021 | 0 | 2504 |
| 3/7/2021 | 99 | 2603 |
| 4/7/2021 | 0 | 2603 |
| 5/7/2021 | 28.3 | 2631.3 |
| 6/7/2021 | 0 | 2631.3 |
| 7/7/2021 | 0 | 2631.3 |
| 8/7/2021 | 0 | 2631.3 |
| 9/7/2021 | 0 | 2631.3 |
| 10/7/2021 | 0 | 2631.3 |
| 11/7/2021 | 80.7 | 2712 |
| 12/7/2021 | 0 | 2712 |
| 13/7/2021 | 0 | 2712 |
| 14/7/2021 | 0 | 2712 |

Prepared by Charlene Lai

Date 26 July 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 | 10 July 2021 (Lab result received on 16 July 2021) | | |
| Time | 16:43 – 19:00 (Mid-Flood) and 10:45 – 14:15 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | WSR1, WSR2 | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 5.0 mg/L | | > 6.0 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 5.2 mg/L (WSR1) 5.4 mg/L (WSR2) | 3.5 mg/L (CF) 3.3 mg/L (CE) | 3.8 mg/L (WSR3) 3.9 mg/L (WSR4) 3.2 mg/L (WSR16) 3.1 mg/L (WSR33) 3.3 mg/L (WSR36) 3.5 mg/L (WSR37) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: Marine construction activities, namely 1) grab dredging of non-marine sediment (0800-1400 hrs & 1500 – 2100 hrs); 2) chiselling inside a steel casing (0800-1400 hrs & 1500 – 2100 hrs)</p> <p>Intake Shaft Area: marine construction activities, namely 1) pipe piling works of 610mm Ø on temporary working platform, 2) lifting of 610mm Ø pipe piles</p> <p>Marine construction activities with contact with water: 1) grab dredging of non-marine sediment; 2) pipe piling works of 610mm Ø on temporary working platform</p> <p>Marine vessels on 10 June 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2, pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) <p>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.</p> | | |

SS levels for the stations closest to the marine construction works (WSR37, 3.5 mg/L; WSR36, 3.3 mg/L) were comparable to other monitoring stations without SS exceedance. As been advised by the Main Contractor, the dredging rate at WSR37 was minimal on 10 July 2021. WSR1 and WSR2 were located distant to the construction site and the possibility of being affected by marine construction activities was relatively low. With prediction that marine construction activities should result in high SS level, the observed SS level at WSR36 and WSR37 infers that SS exceedances at WSR1 and WSR2 were not project-related.

According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 10 July 2021.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 10 July 2021.

Remarks

Current direction during mid-flood sampling on 10 July 2021:

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

Supporting Photo 1 (Sea Conditions at WSR1)



Supporting Photo 2 (Sea Conditions at WSR2)



Supporting Photo 3 (Overview of Intake Shaft)



Supporting Photo 4 (Overview of Outfall Shaft)



| | | Supporting Photo 5 (Daily Dredging Rate up to 14 July 2021) | | |
|-------------|--|---|-----------|-----------------|
| | | <i>Outfall</i> | <u>m3</u> | <u>m3 (cum)</u> |
| | | 1/7/2021 | 0 | 2504 |
| | | 2/7/2021 | 0 | 2504 |
| | | 3/7/2021 | 99 | 2603 |
| | | 4/7/2021 | 0 | 2603 |
| | | 5/7/2021 | 28.3 | 2631.3 |
| | | 6/7/2021 | 0 | 2631.3 |
| | | 7/7/2021 | 0 | 2631.3 |
| | | 8/7/2021 | 0 | 2631.3 |
| | | 9/7/2021 | 0 | 2631.3 |
| | | 10/7/2021 | 0 | 2631.3 |
| | | 11/7/2021 | 80.7 | 2712 |
| | | 12/7/2021 | 0 | 2712 |
| | | 13/7/2021 | 0 | 2712 |
| | | 14/7/2021 | 0 | 2712 |
| Prepared by | | Charlene Lai | | |
| Date | | 26 July 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 | 15 July 2021 (Lab result received on 20 July 2021) | | |
| Time | 08:00-11:30 (Mid-Flood) and 13:57-17:27 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | <p>WSR16</p> | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 6.9 mg/L | | > 7.5 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 7.3 mg/L (WSR 16) | 5.8 mg/L (CF) 3.2 mg/L (CE) | 2.9 mg/L (WSR 1) 3.2 mg/L (WSR 2) 4.9 mg/L (WSR 3) 3.1 mg/L (WSR 4) 5.4 mg/L (WSR33) 5.4 mg/L (WSR36) 5.4 mg/L (WSR 37) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: marine construction activities, namely 1) minimal grabbing of broken hard material for seabed levelling (0800-2000 hrs); 2) chiselling hard material (0800-1900 hrs)</p> <p>Intake Shaft Area: marine construction activities, namely 1) 610mm Ø pipe piling on temporary working platform; 2) lifting of 610mm Ø pipe piles (0800-1900 hrs)</p> <p>Marine construction activities with contact with water: 1) minimal grabbing of broken hard material for seabed levelling (0800-2000 hrs); 2) 610mm Ø pipe piling on temporary working platform</p> <p>Marine vessels on 15 July 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (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 for the station closest to the marine construction works (WSR37, 5.4 mg/L) was relatively lower than the station with SS exceedance. In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant.

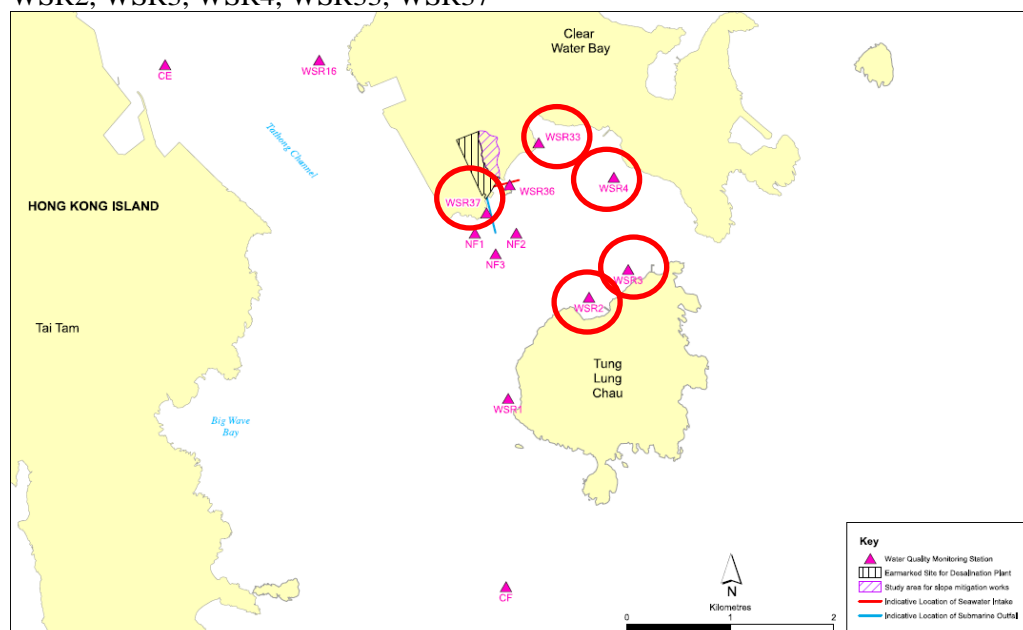
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 15 July 2021.

Conditions of the protective silt curtain at the inland water outfall and Outfall Shaft Area was satisfactory on 15 July 2021.

Mid-Ebb

Monitoring Location

WSR2, WSR3, WSR4, WSR33, WSR37



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

10.1 mg/L (WSR2)
11.2 mg/L (WSR3)
8.7 mg/L (WSR4)
8.7 mg/L (WSR33)
9.6 mg/L (WSR37)

6.2 mg/L (CE)
7.5 mg/L (CF)

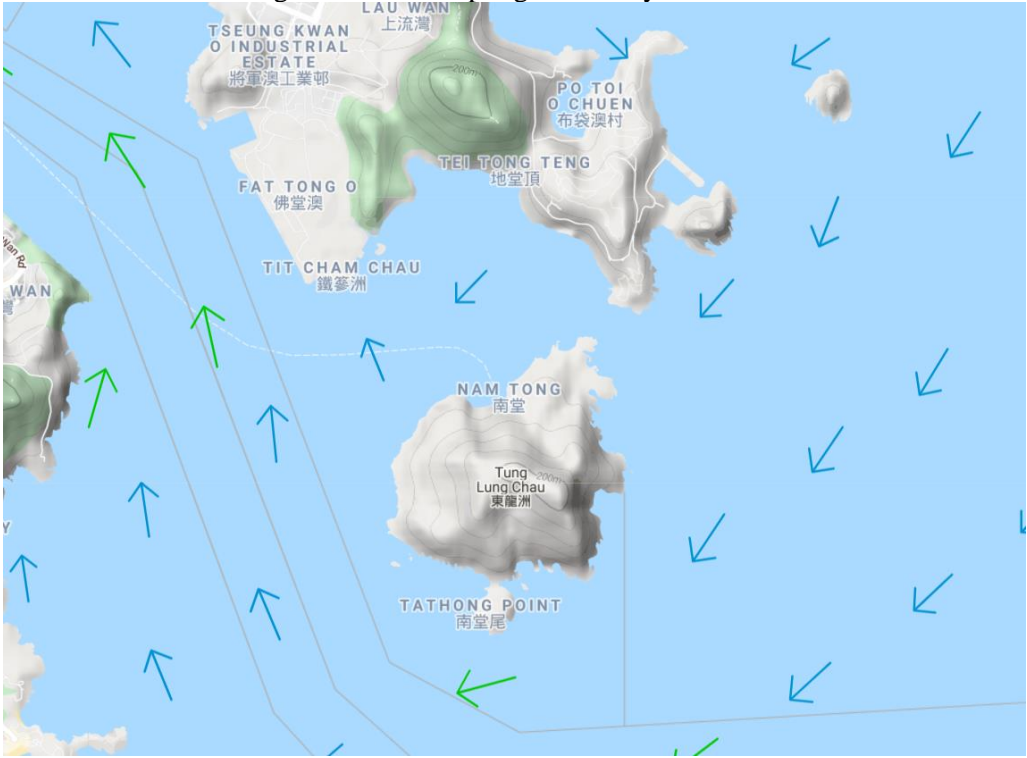
7.4 mg/L (WSR1)
6.9 mg/L (WSR16)
6.5 mg/L (WSR36)

Possible reason for Action or Limit Level Non-compliance

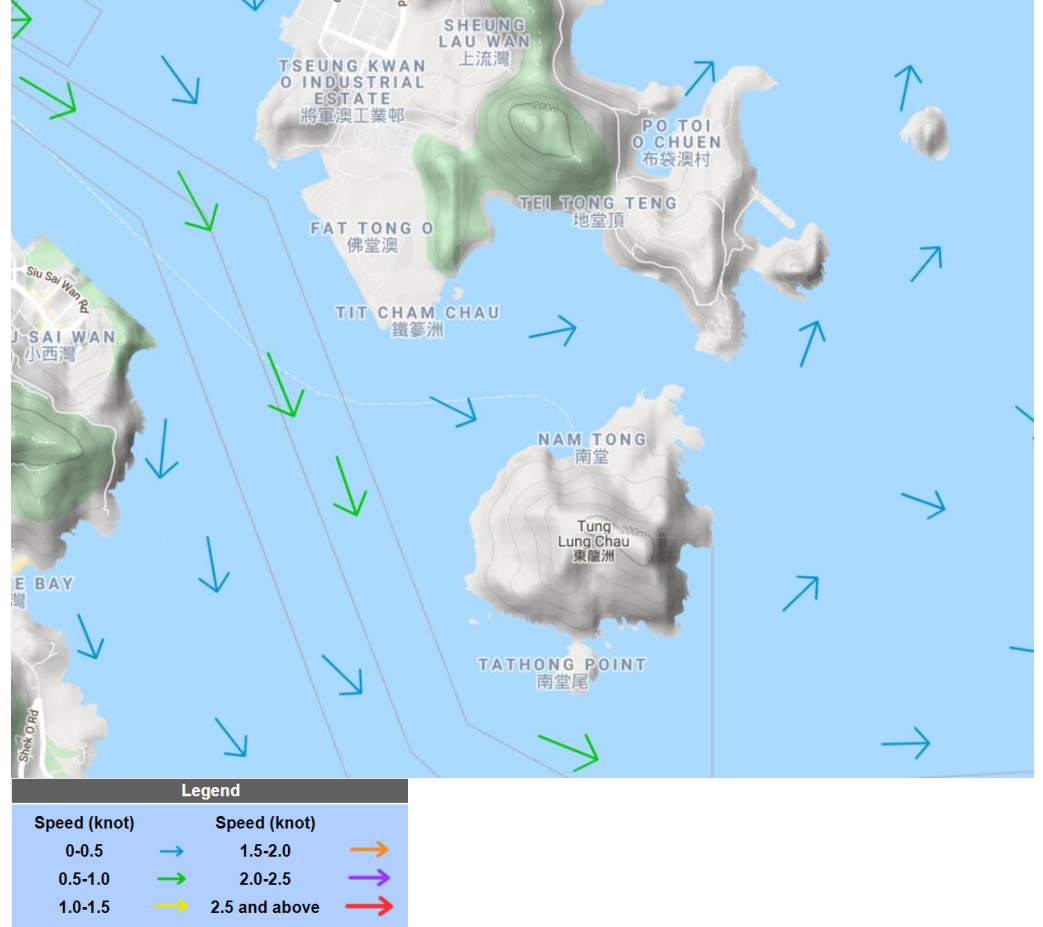
Outfall Shaft Area: marine construction activities, namely 1) minimal grabbing of broken hard material for seabed levelling (0800-2000 hrs); 2) chiselling hard material (0800-1900 hrs)

Intake Shaft Area: marine construction activities, namely 1) 610mm Ø pipe piling on temporary working platform; 2) lifting of 610mm Ø pipe piles (0800-1900 hrs)

Marine construction activities with contact with water: 1) minimal grabbing of broken hard material for seabed levelling (0800-2000 hrs); 2) 610mm Ø pipe piling on temporary working platform

| | |
|----------------|--|
| | <p>Marine vessels on 15 July 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) <p>Dominating sea current direction was found to be from Northwest to Southeast a.s.waters to the west side of Tit Cham Chau; and from West to East at waters to the east side of Tit Cham Chau.</p> <p>SS levels for the monitoring stations further away from the construction site (WSR2, 10.1 mg/L; WSR3, 11.2 mg/L) were observed higher than that with marine construction activities, namely WSR36 (6.5 mg/L) and WSR37 (9.6 mg/L). Relatively high SS background was noted at the control stations (CE, 6.2 mg/L; CF, 7.5 mg/L). No SS exceedance was observed at WSR36, where marine construction activities were conducted. In view of the inverse relation between distance to marine works and SS level, the SS exceedances is concluded not project relevant.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 15 July 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 15 July 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-flood sampling on 15 July 2021:</p>  |

Current direction during mid-ebb sampling on 15 July 2021:



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

Supporting Photo 1 (Sea Conditions at WSR1)



Supporting Photo 2 (Sea Conditions at WSR2)



Supporting Photo 3 (Sea Conditions at WSR3)



Supporting Photo 4 (Sea Conditions at WSR4)



Supporting Photo 5 (Sea Conditions at WSR16)



Supporting Photo 6 (Sea Conditions at WSR33)



Supporting Photo 7 (Sea Conditions at WSR37)



Supporting Photo 8 (Sea Conditions at CE)



Supporting Photo 9 (Sea Conditions at CF)



Supporting Photo 10 (Sea Conditions at Intake Shaft Area)



Supporting Photo 11 (Sea Conditions at Outfall Shaft Area)



| | |
|-------------|--------------|
| Prepared by | Charlene Lai |
| Date | 28 July 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 | 17 July 2021 (Lab result received on 21 July 2021) | | |
| Time | 09:33-13:03 (Mid-Flood) and 15:30-19:00 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | <p>WSR3</p> | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 6.8 mg/L | | > 7.3 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 14.3 mg/L (WSR 3) | 5.7 mg/L (CF) 8.2 mg/L (CE) | 3.9 mg/L (WSR 1) 4.8 mg/L (WSR 2) 4.1 mg/L (WSR 4) 5.9 mg/L (WSR 16) 5.0 mg/L (WSR33) 2.7 mg/L (WSR36) 3.3 mg/L (WSR 37) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: marine construction activities, namely 1) minimal grabbing of broken hard material for seabed levelling (am); 2) removal of double silt curtains; 3) diver checks on seabed level and placing of bagged concrete (pm)</p> <p>Intake Shaft Area: marine construction activities, namely 1) Modification of working platform and associated lifting works (0800-1900 hrs)</p> <p>Marine construction activities with contact with water: 1) minimal grabbing of broken hard material for seabed levelling (am); 2) removal of double silt curtains; 3) diver checks on seabed level and placing of bagged concrete (pm)</p> <p>Marine vessels on 17 July 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1 (idling); 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) | | |

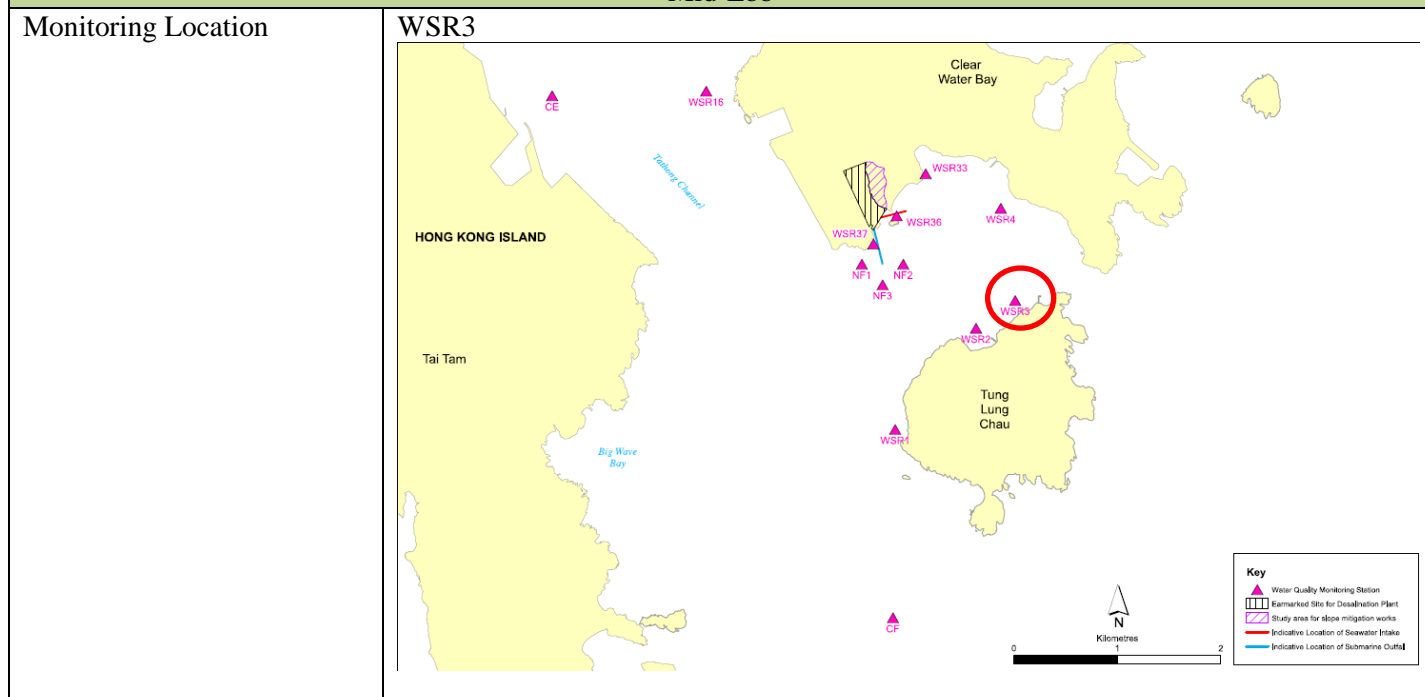
Dominating sea current direction was found to be from Southeast to Northwest at waters to the west side of Tit Cham Chau; and from Northeast to Southwest at waters to the east side of Tit Cham Chau.

SS level for the station closest to the marine construction works (WSR37, 3.3 mg/L) was relatively lower than the station with SS exceedance. In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant.

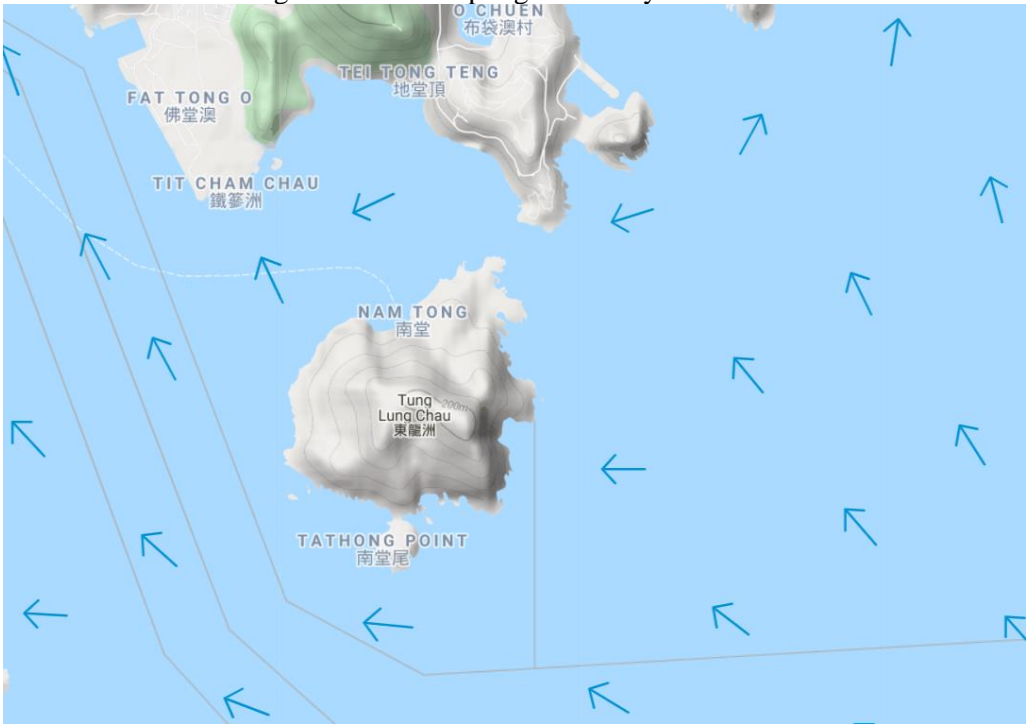
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 17 July 2021.

Conditions of the protective silt curtain at the inland water outfall and Outfall Shaft Area was satisfactory on 17 July 2021.

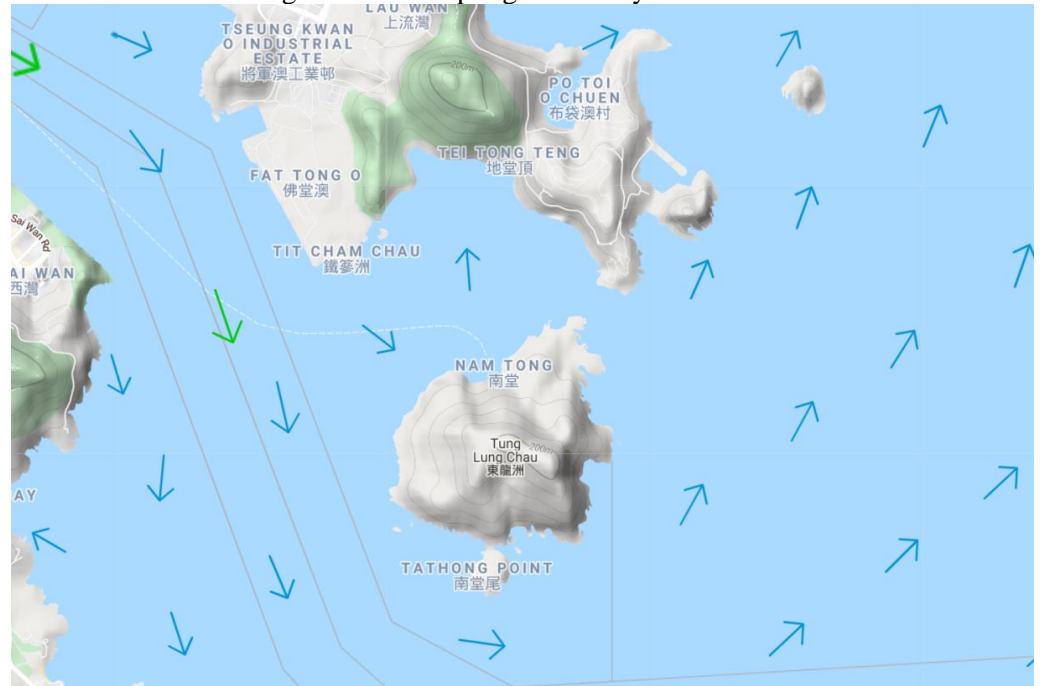
Mid-Ebb



| | | | |
|--|---|--------------------------------|---|
| 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 |
| | 7.7 mg/L (WSR3) | 2.5 mg/L (CE) 2.6 mg/L (CF) | 2.7 mg/L (WSR1) 4.4 mg/L (WSR2) 4.7 mg/L (WSR4) 3.0 mg/L (WSR16) 4.4 mg/L (WSR33) 3.5 mg/L (WSR36) 4.3 mg/L (WSR37) |
| Possible reason for Action or Limit Level Non-compliance | Outfall Shaft Area: marine construction activities, namely 1) minimal grabbing of broken hard material for seabed levelling (am); 2) removal of double silt curtains; 3) diver checks on seabed level and placing of bagged concrete (pm) | | |
| | Intake Shaft Area: marine construction activities, namely 1) Modification of working platform and associated lifting works (0800-1900 hrs) | | |

| | |
|----------------|---|
| | <p>Marine construction activities with contact with water: 1) minimal grabbing of broken hard material for seabed levelling (am); 2) removal of double silt curtains; 3) diver checks on seabed level and placing of bagged concrete (pm)</p> <p>Marine vessels on 17 July 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1 (idling); 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) <p>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.</p> <p>SS level for the station closest to the marine construction works (WSR37, 4.3 mg/L) and immediately downstream to the marine construction works (WSR36, 3.5 mg/L) were relatively lower than the station with SS exceedance. In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant..</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 17 July 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 17 July 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-flood sampling on 17 July 2021:</p>  |

Current direction during mid-ebb sampling on 17 July 2021:



| Legend | | | |
|--------------|---|---------------|---|
| Speed (knot) | | Speed (knot) | |
| 0-0.5 | → | 1.5-2.0 | → |
| 0.5-1.0 | → | 2.0-2.5 | → |
| 1.0-1.5 | → | 2.5 and above | → |

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

Supporting Photo 1 (Sea Conditions at WSR3)



Supporting Photo 2 (Sea Conditions at CF)



Supporting Photo 3 (Sea Conditions at CE)



Supporting Photo 4 (Sea Conditions at Intake Shaft Area)



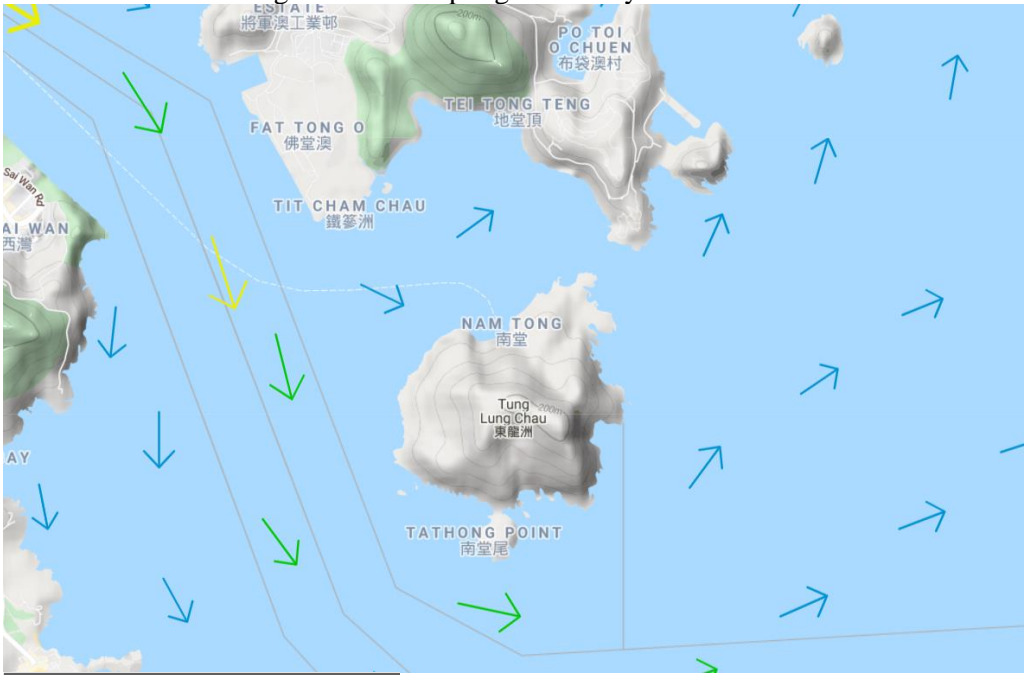
Supporting Photo 5 (Sea Conditions at Outfall Shaft Area)



| | |
|-------------|--------------|
| Prepared by | Charlene Lai |
| Date | 28 July 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 | 22 July 2021 (Lab result received on 26 July 2021) | | |
| Time | 15:30-19:00 (Mid-Flood) and 08:59-12:29 (Mid-Ebb) | | |
| Mid-Ebb | | | |
| Monitoring Location | <p>WSR33</p> | | |
| 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 |
| | 6.7 mg/L (WSR 33) | 4.4 mg/L (CF) 2.5 mg/L (CE) | 3.7 mg/L (WSR 1) 3.4 mg/L (WSR 2) 3.1 mg/L (WSR 3) 3.8 mg/L (WSR 4) 4.2 mg/L (WSR16) 4.3 mg/L (WSR36) 2.5 mg/L (WSR 37) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: marine construction activities, namely 1) Checks on seabed after typhoon; 2) placement of bagged concrete base by divers (0800-2100 hrs).</p> <p>Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform; 2) lifting of 610mm Ø pipe piles (0800-1900 hrs)</p> <p>Marine construction activities with contact with water Checks on seabed after typhoon; 2) placement of bagged concrete base by divers (0800-2100 hrs); 3) pipe piling of 610mm Ø on temporary working platform</p> <p>Marine vessels on 22 July 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 1 (Outfall Shaft) <p>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.</p> | | |

| | |
|----------------|--|
| | <p>SS level for the stations closest to the marine construction works (WSR37, 2.5 mg/L; WSR36, 4.3 mg/L) were relatively lower than the station with SS exceedance. In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant.</p> <p>According to the field observation by sampling team during sampling event, silt plume near to the coastline of Clear Water Bay Country Park was observed in the Project site on 22 July 2021. The observed silt plume was possibly resulted from the adjacent landslide events triggered by the heavy rainfall on 20 July 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall and Outfall Shaft Area was satisfactory on 22 July 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-ebb sampling on 22 July 2021:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p> |

Supporting Photo 1 (Sea Conditions at WSR33)



Supporting Photo 2 (Sea Conditions at CF)



Supporting Photo 3 (Sea Conditions at CE)



Supporting Photo 4 (Sea Conditions at Intake Shaft Area)



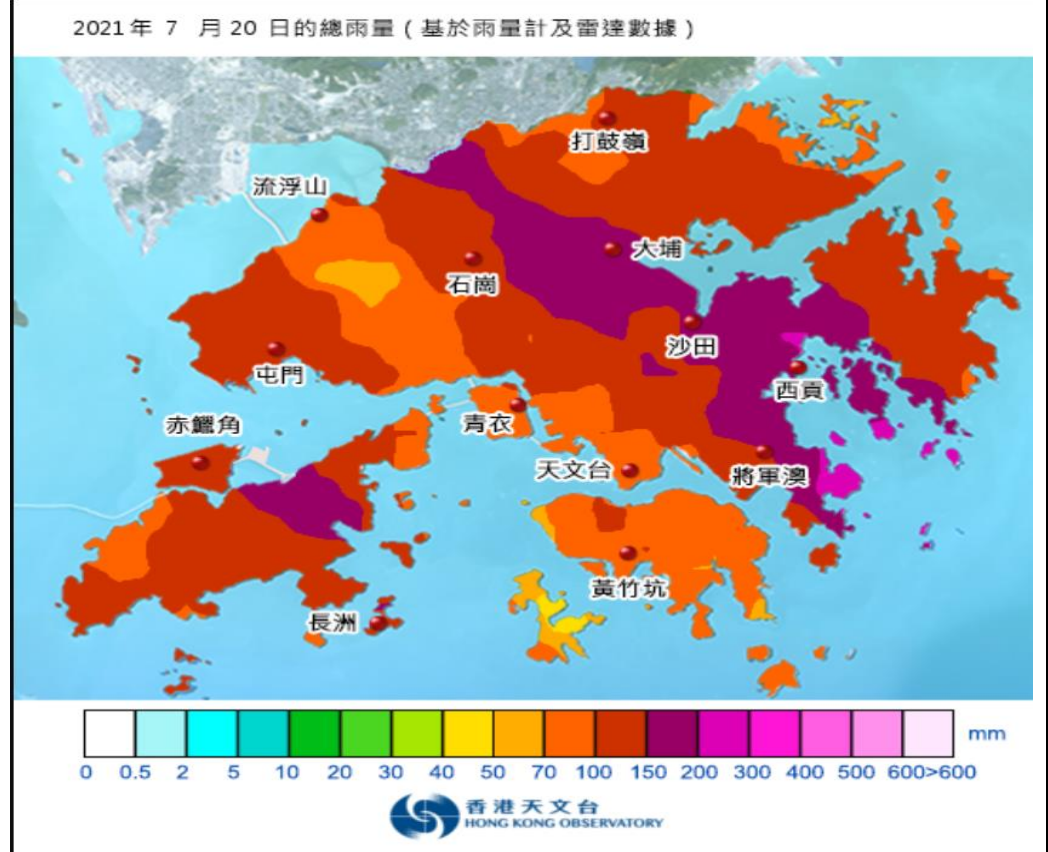
Supporting Photo 5 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 6 (Silt Plume and Landslide near to Coastline of Clear Water Bay Country Park at WSR36)



Supporting Photo 7 (Total Rainfall on 20/07/2021)



Prepared by Charlene Lai

Date 09 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 | 27 July 2021 (Lab result received on 30 July 2021) | | |
| Time | 08:00-10:53 (Mid-Flood) and 12:52-16:22 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | <p>WSR36</p> | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 7.8 mg/L | | > 8.4 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 9.4 mg/L (WSR 36) | 6.5 mg/L (CF) 3.2 mg/L (CE) | 5.3 mg/L (WSR 1) 7.5 mg/L (WSR 2) 5.1 mg/L (WSR 3) 3.5 mg/L (WSR 4) 3.7 mg/L (WSR16) 5.5 mg/L (WSR33) 5.3 mg/L (WSR 37) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: marine construction activities, namely 1) Manual placement of bagged concrete base by divers for seabed levelling (0800-2300 hrs)</p> <p>Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform; 2) lifting of 610mm Ø pipe piles (0800-1900 hrs)</p> <p>Marine construction activities with contact with water: 1) Manual placement of bagged concrete base by divers for seabed levelling (0800-2300 hrs); 2) pipe piling of 610mm Ø on temporary working platform</p> <p>Marine vessels on 27 July 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1, 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft) – one of the derrick barges holding the steel caisson moored off to Intake Shaft to stand by whole day | | |

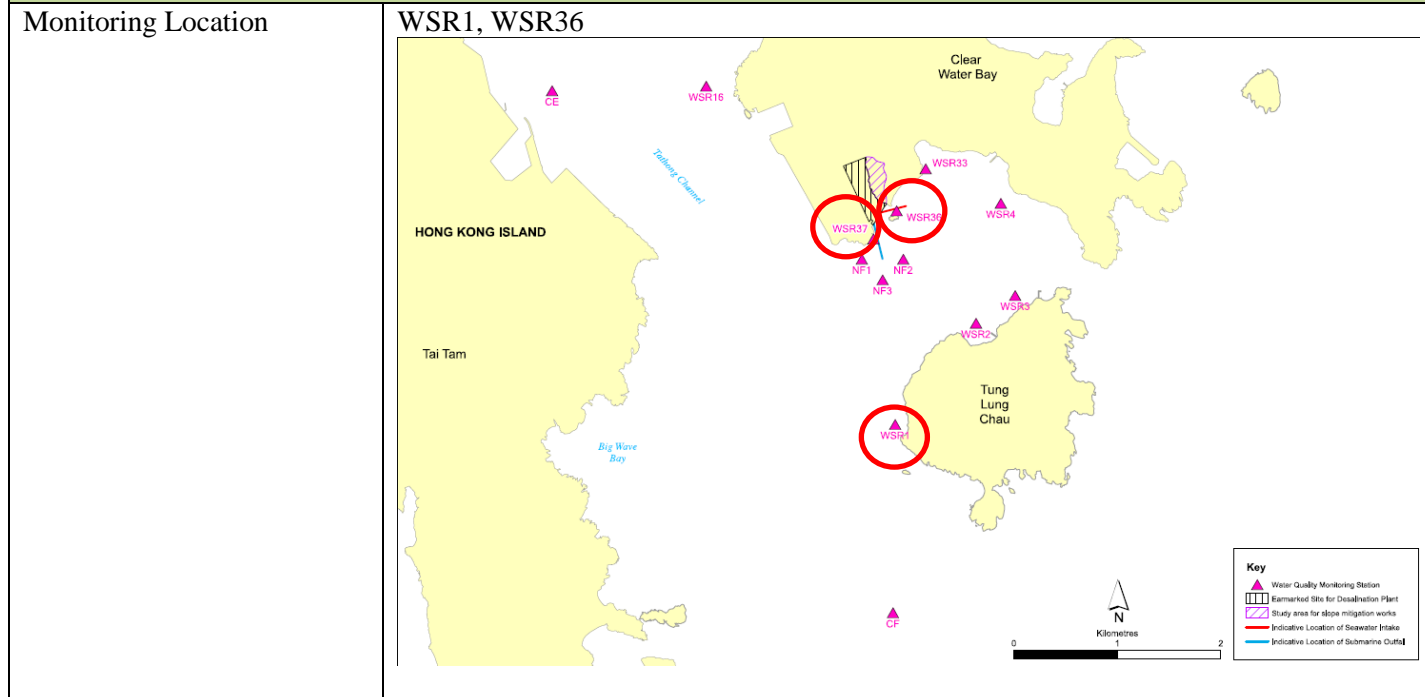
Dominating sea current direction was found to be from Southeast to Northwest at waters to the west side of Tit Cham Chau; and from Northeast to Southwest at waters to the east side of Tit Cham Chau.

No SS exceedance was observed at WSR37 (5.3 mg/L), which locates immediately downstream to WSR36. As been advised by the Main Contractor, the bagged concrete base was in solid form of which concrete mix had set with limited SS that would be generated during the manual placement for seabed levelling. The SS level of WSR36 (9.4 mg/L) was relatively similar to WSR2 (7.5 mg/L), where WSR2 located further away from the construction site, suggesting other natural factors may be possible reason for the SS exceedance at WSR36. Light rainfall was noted on 27 July 2021, with 5-10mm recorded by Hong Kong Observatory.

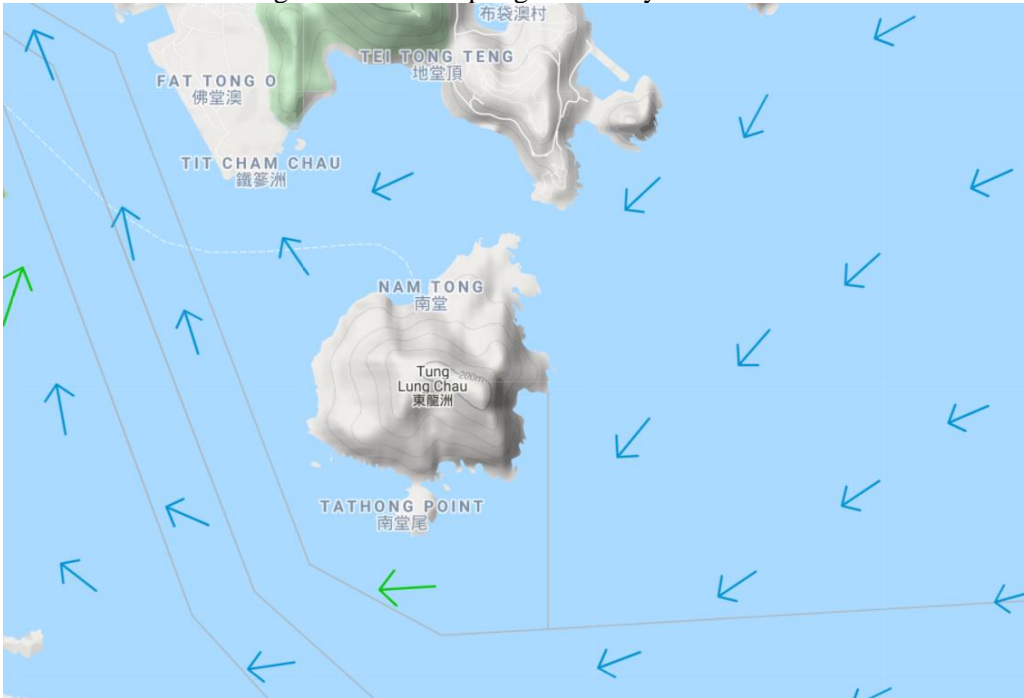
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 27 July 2021.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 27 July 2021.

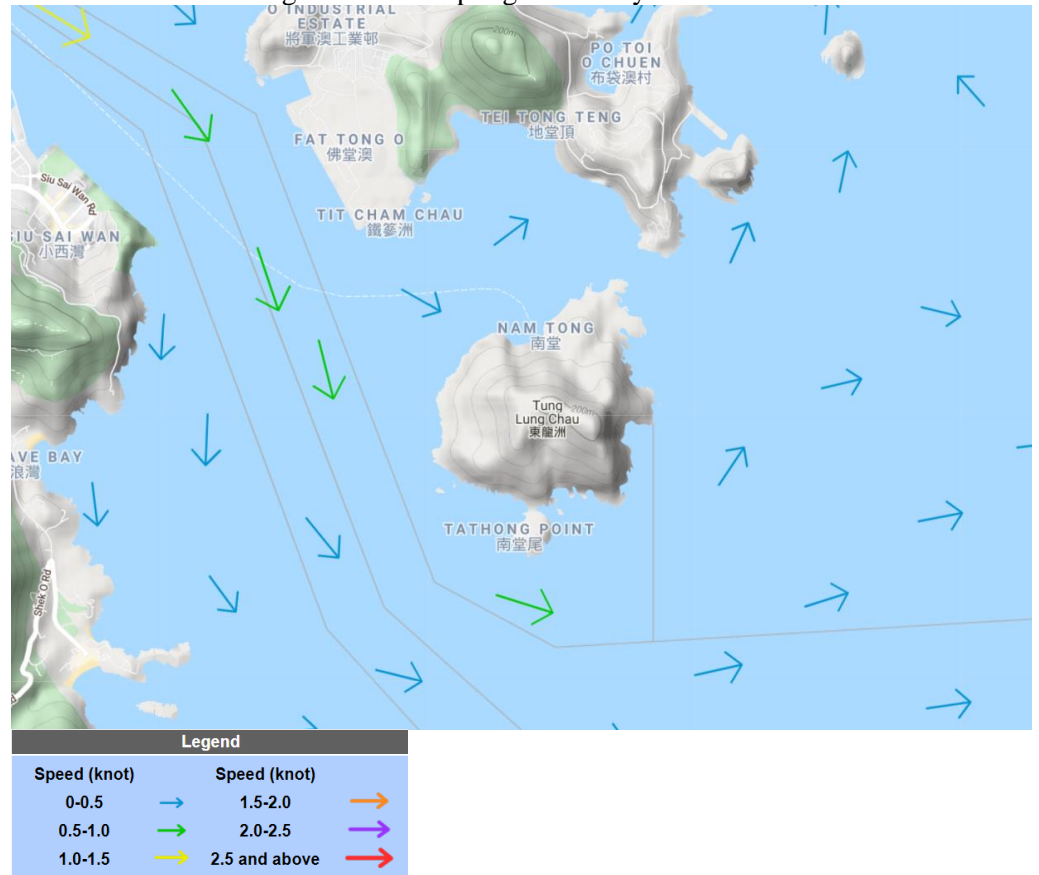
Mid-Ebb



| | | | |
|---|--|--------------------------------|---|
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 7.5 mg/L | | > 8.1 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 8.2 mg/L (WSR1) 8.3 mg/L (WSR36) | 6.3 mg/L (CE) 7.4 mg/L (CF) | 3.4 mg/L (WSR2) 4.5 mg/L (WSR3) 5.9 mg/L (WSR4) 4.9 mg/L (WSR16) 7.0 mg/L (WSR33) 7.5 mg/L (WSR37) |
| Possible reason for Action or Limit Level Non-compliance | Outfall Shaft Area: marine construction activities, namely 1) Manual placement of bagged concrete base by divers for seabed levelling (0800-2300 hrs) Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform; 2) lifting of 610mm Ø pipe piles (0800-1900 hrs) | | |

| | |
|----------------|---|
| | <p>Marine construction activities with contact with water: 1) Manual placement of bagged concrete base by divers for seabed levelling (0800-2300 hrs); 2) pipe piling of 610mm Ø on temporary working platform</p> <p>Marine vessels on 27 July 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1, 5.5T crane lift x 1 (Intake Shaft) Derrick barge x 2 (Outfall Shaft) – one of the derrick barges holding the steel caisson moored off to Intake Shaft to stand by whole day <p>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.</p> <p>SS level for the station immediately downstream (WSR33, 7.0 mg/L) was relatively lower than station with marine construction works (WSR36, 8.3 mg/L). SS level of a distant location (WSR1, 8.2 mg/L) was comparable to stations with marine construction activities. As been advised by the Main Contractor, the bagged concrete base was in solid form of which concrete mix had set with limited SS that would be generated during the manual placement for seabed levelling. The SS background levels at the control stations (CF, 7.4 mg/L; CE, 6.3 mg/L) and upstream station (WSR37 (7.5 mg/L), were generally high, suggesting other natural factors may be possible reasons for the SS exceedance. Light rainfall was noted on 27 July 2021, with 5-10mm recorded by Hong Kong Observatory.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 27 July 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 27 July 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-flood sampling on 27 July 2021:</p>  <p>The map displays the islands of Tseung Kwan O, including Fat Tong O, Tit Cham Chau, Nam Tong, Tung Lung Chau, and Tathong Point. Blue arrows show a general current flow from the northwest towards the southeast, and from the west towards the east. Green arrows highlight specific current directions near the islands, generally following the same northwest-southeast and west-east patterns.</p> |

Current direction during mid-ebb sampling on 27 July 2021:



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

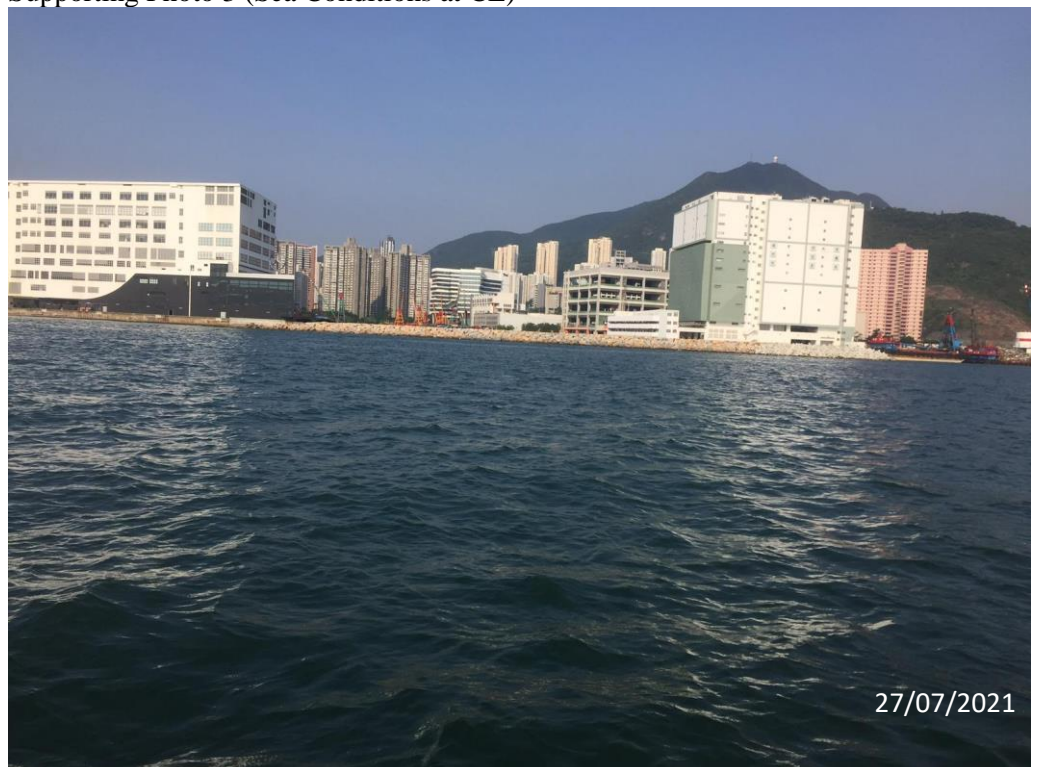
Supporting Photo 1 (Sea Conditions at WSR1)



Supporting Photo 2 (Sea Conditions at WSR36)



Supporting Photo 3 (Sea Conditions at CE)



Supporting Photo 4 (Sea Conditions at CF)



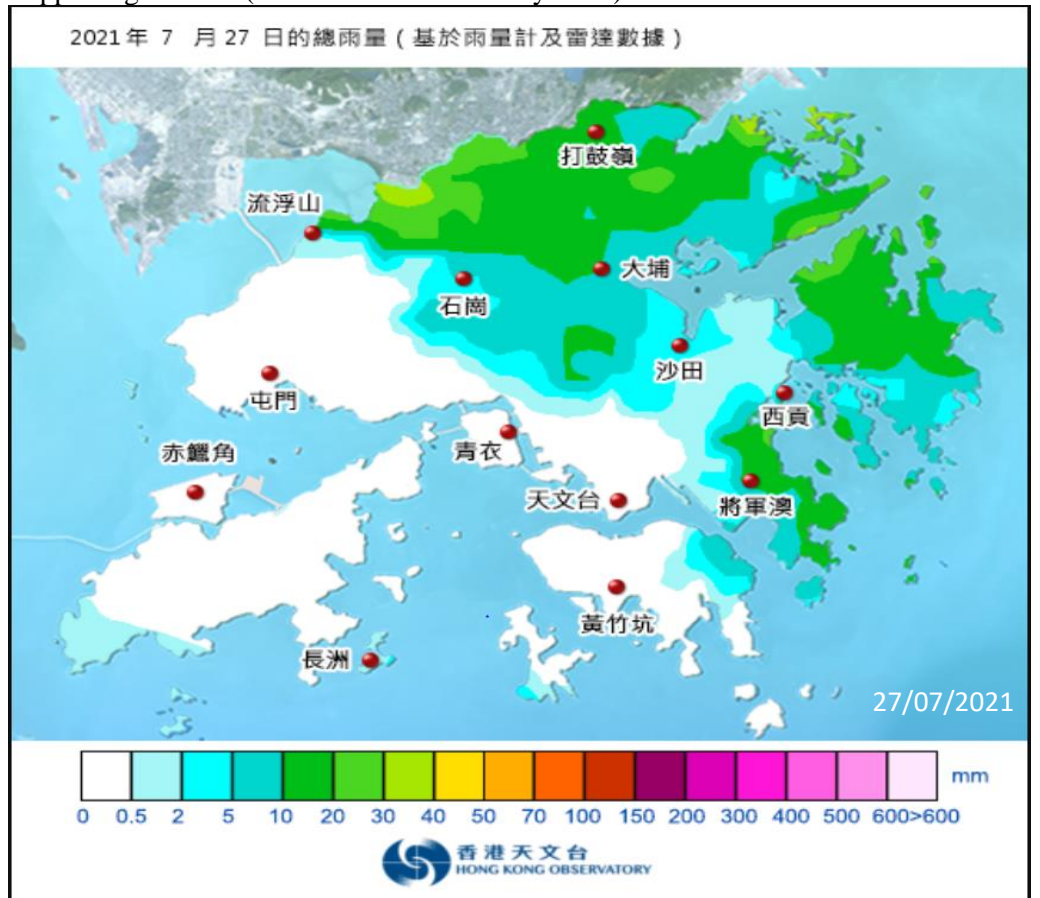
Supporting Photo 5 (Sea Conditions at Intake Shaft Area)



Supporting Photo 6 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 7 (Total Rainfall on 27 July 2021)

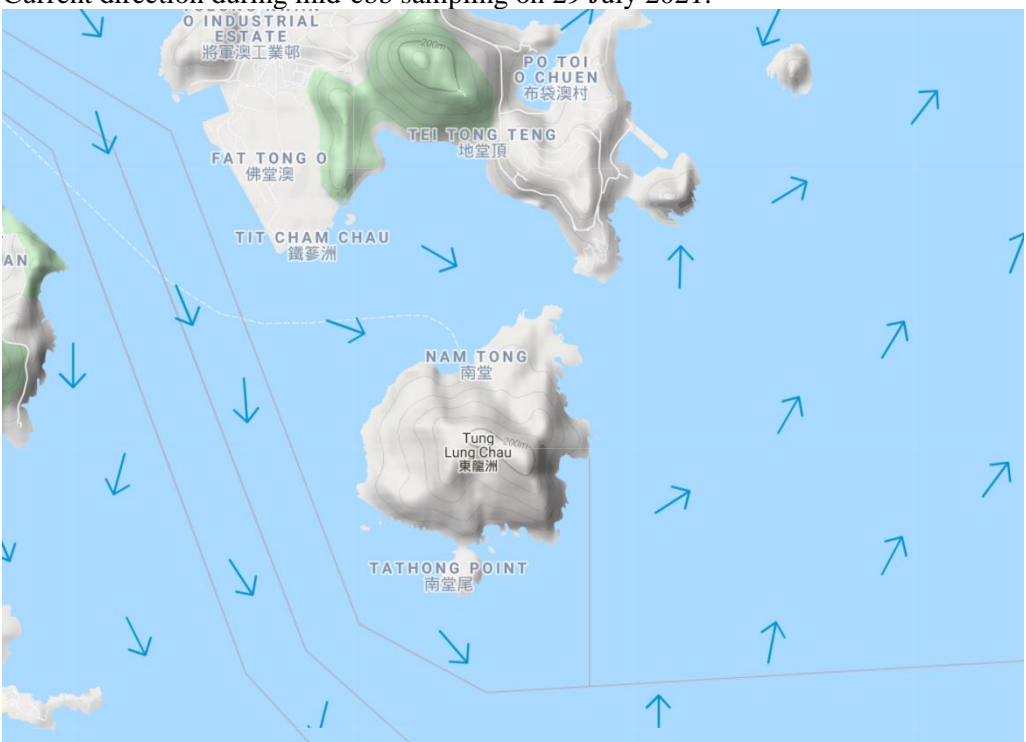


Prepared by Charlene Lai

Date 09 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 | 29 July 2021 (Lab result received on 04 August 2021) | | |
| Time | 08:00-11:30 (Mid-Flood) and 14:15-17:45 (Mid-Ebb) | | |
| Mid-Ebb | | | |
| Monitoring Location | WSR1, WSR2, WSR37 | | |
| 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 |
| | 10.1 mg/L (WSR 1) 5.5 mg/L (WSR 2) 6.3 mg/L (WSR 37) | 2.5 mg/L (CF) 3.9 mg/L (CE) | 3.6 mg/L (WSR 3) 3.8 mg/L (WSR 4) 4.6 mg/L (WSR16) 2.7 mg/L (WSR 33) 2.7 mg/L (WSR36) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: marine construction activities, namely 1) 0800 – 1300 hrs – Rigging of the caisson on board the derrick barge; 2) 0800 – 2200 hrs – Positioning of the crane barge which lifted up the caisson from derrick barge; 3) 1300 – 1400 hrs – Derrick barge towed out from outfall area; 4) Caisson sank in position at the outfall shaft at approximate 16:30; 5) 1630 – 1800 hrs – Diver’s checking on base condition of the caisson after sitting on seabed</p> <p>Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform; 2) lifting of 610mm Ø pipe piles (0800-1900 hrs)</p> <p>Marine construction activities with contact with water: 1) caisson sank in position at the outfall shaft at approximate 16:30; 2) 1630 – 1800 hrs – Diver's checking on base condition of the caisson after sitting on seabed; 3) pipe piling of 610mm Ø on temporary working platform</p> <p>Marine vessels on 29 July 2021:</p> <ul style="list-style-type: none"> Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) | | |

| | |
|----------------|---|
| | <ul style="list-style-type: none"> • Derrick barge x 2 (one of the derrick barges moored out of Outfall area standing by whole day), crane barge x 1, tug boat x 1, anchor boat x 1 <p>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.</p> <p>The timeframe of general water sampling during mid-ebb tide on 29 July 2021 was between 14:15-17:45. As advised by the Water Sampling Team, the water sampling time at WSR1, WSR2 and WSR37 was 16:29-16:31, 16:10-16:12 and 15:00-15:02 respectively. According to the work activities schedule provided by the Main Contractor, no marine work-related activities that will generate SS were conducted at the Outfall Shaft Area (WSR37) during water sampling. However, SS level at WSR37 (6.3 mg/L) was higher than stations which located further away from the construction site (WSR2, 5.5 mg/L). WSR1 and WSR2 were located distant from the construction site and the possibility of being affected by marine construction activities 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 and may be resulted from other natural factors.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 29 July 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall and Intake Shaft Area was satisfactory on 29 July 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-ebb sampling on 29 July 2021:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p> |

Supporting Photo 1 (Sea Conditions at WSR1)



Supporting Photo 2 (Sea Conditions at WSR2)



Supporting Photo 3 (Sea Conditions at WSR37)



Supporting Photo 4 (Sea Conditions at CF)




Supporting Photo 5 (Sea Conditions at CE)

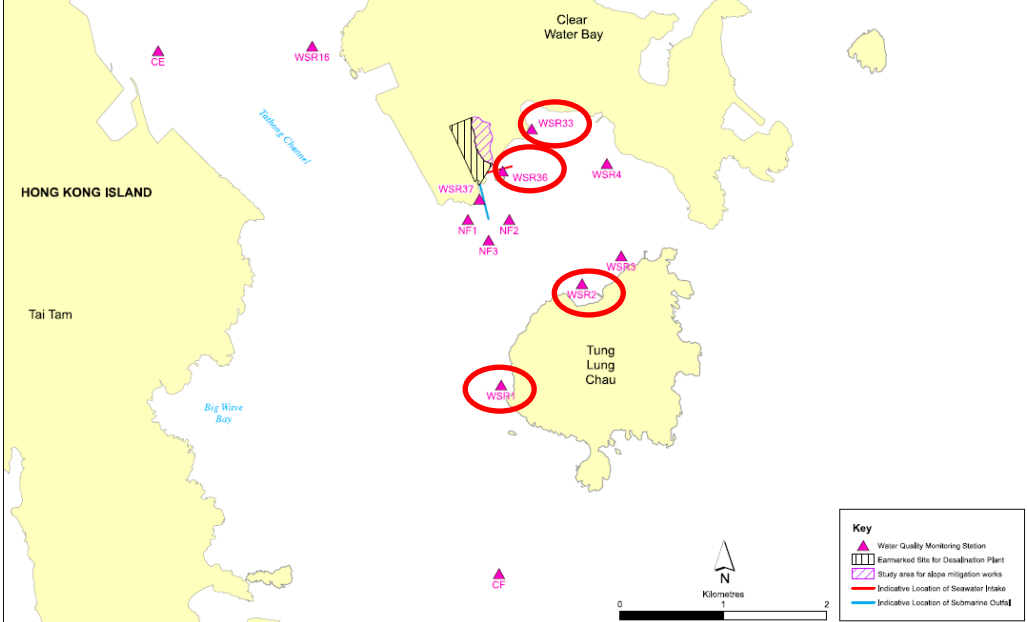


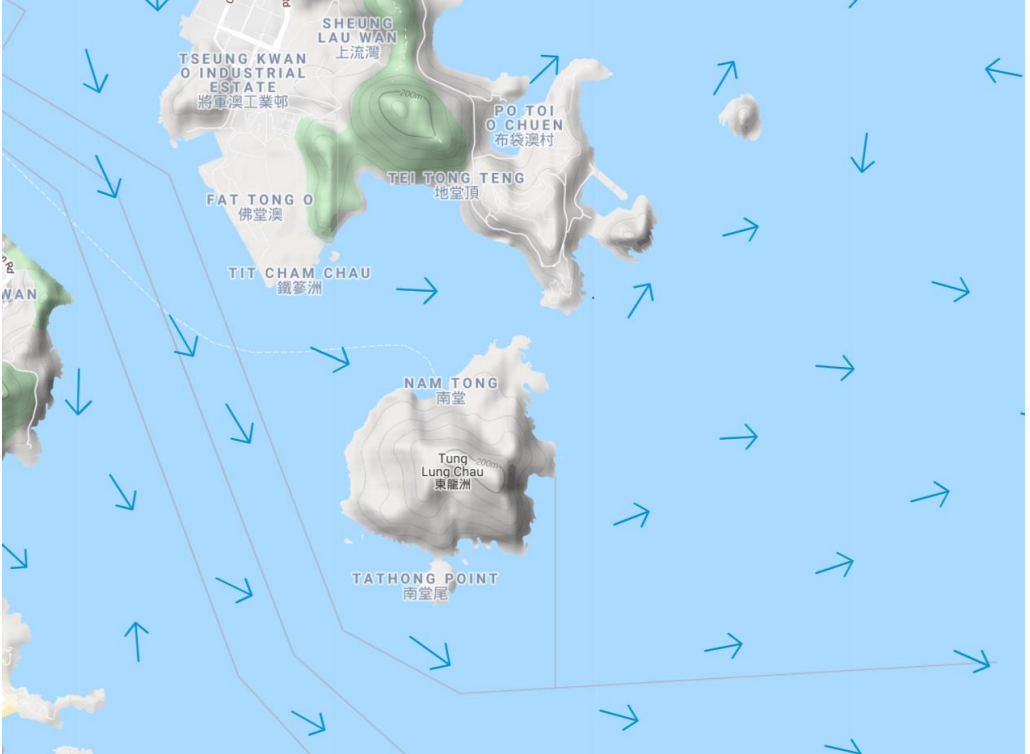
Supporting Photo 6 (Sea Conditions at Intake Shaft Area)



| | |
|-------------|---|
| | <p>Supporting Photo 7 (Sea Conditions at Outfall Shaft Area)</p>  <p>29/07/2021</p> |
| Prepared by | Charlene Lai |
| Date | 13 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 | 31 July 2021 (Lab result received on 04 August 2021) | | |
| Time | 09:45-13:15 (Mid-Flood) and 15:30-19:00 (Mid-Ebb) | | |
| Mid-Ebb | | | |
| Monitoring Location | WSR1, WSR2, WSR33, WSR36  | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 5.0 mg/L | | > 6.0 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 5.3 mg/L (WSR 1) 5.1 mg/L (WSR 2) 8.5 mg/L (WSR 33) 6.5 mg/L (WSR36) | 5.1 mg/L (CF) 2.6 mg/L (CE) | 2.5 mg/L (WSR 3) 4.4 mg/L (WSR 4) 3.7 mg/L (WSR16) 4.3 mg/L (WSR 37) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: marine construction activities, namely 1) 0800 – 1800 hrs – Welding to stabilize the caisson (after retrieval from seabed) on board the derrick barge; 2) 0800 – 1100 hrs – Crane barge unmoored; 3) 1100 – 1700 hrs – Crane barge towed off-site, to Hei Ling Chau Typhoon Shelter; 4) 1100 – 1200 hrs – Derrick barge towed back and re-positioned at outfall shaft to assist diver’s work; 5) 1200 – 1530 hrs – Diver’s checking on seabed conditions</p> <p>Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform; 2) lifting of 610mm Ø pipe piles (0800-1900 hrs)</p> <p>Marine construction activities with contact with water: 1) 1200 – 1530 hrs – Diver’s checking on seabed conditions; 2) pipe piling of 610mm Ø on temporary working platform</p> <p>Marine vessels on 31 July 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2, crane barge x 1, tug boat x 2, anchor boat x 1 (Outfall Shaft) | | |

| | |
|----------------|---|
| | <p>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.</p> <p>The SS level of the work station closest to the construction site (WSR36, 6.5 mg/L) was lower than station which located further from the construction site (WSR33, 8.5 mg/L). No SS exceedance was observed at WSR37 where marine activities were conducted during 1200-1530hrs. 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. Heavy rainfall with accumulative 70-100mm was recorded in the Joss House Bay Area on 31 July 2021. The rainfall may lead to release of SS content from the soil of the nearby lands (e.g. country park, fill bank). The SS data during mid-ebb tide suggested unstable weather conditions may be the dominating factor of elevated SS value.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 31 July 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall and Intake Shaft Area was satisfactory on 31 July 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-ebb sampling on 31 July 2021:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p> |

Supporting Photo 1 (Sea Conditions at WSR1)



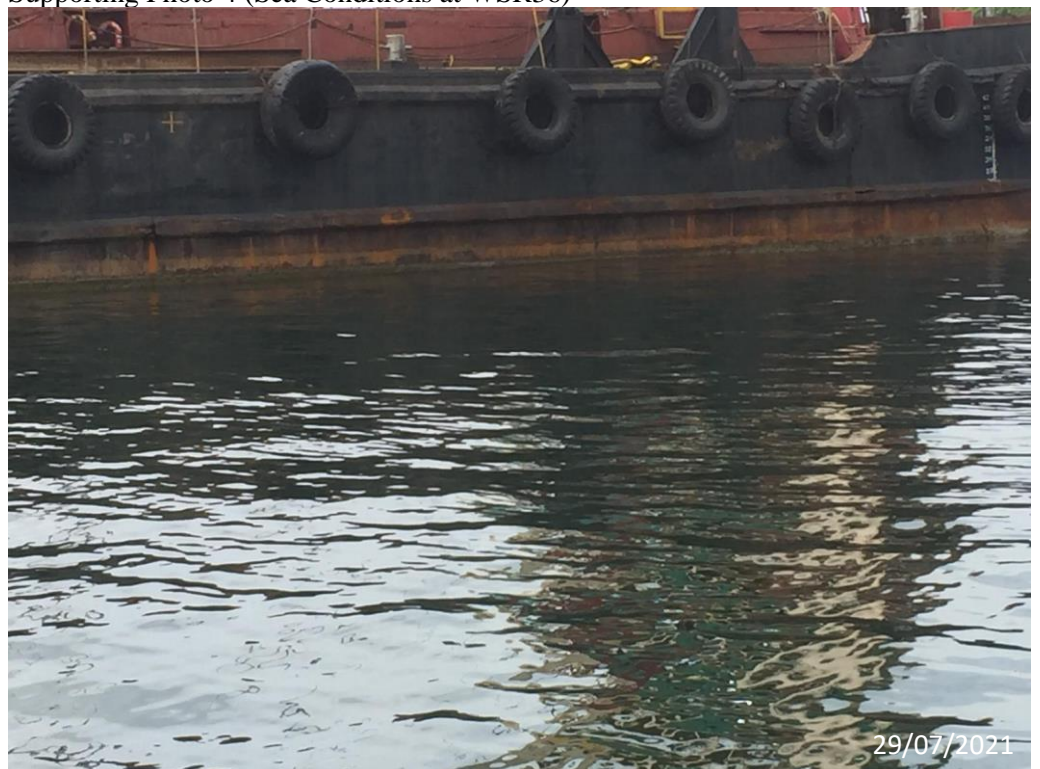
Supporting Photo 2 (Sea Conditions at WSR2)



Supporting Photo 3 (Sea Conditions at WSR33)



Supporting Photo 4 (Sea Conditions at WSR36)



Supporting Photo 5 (Sea Conditions at CF)



Supporting Photo 6 (Sea Conditions at CE)



Supporting Photo 7 (Sea Conditions at Intake Shaft Area)

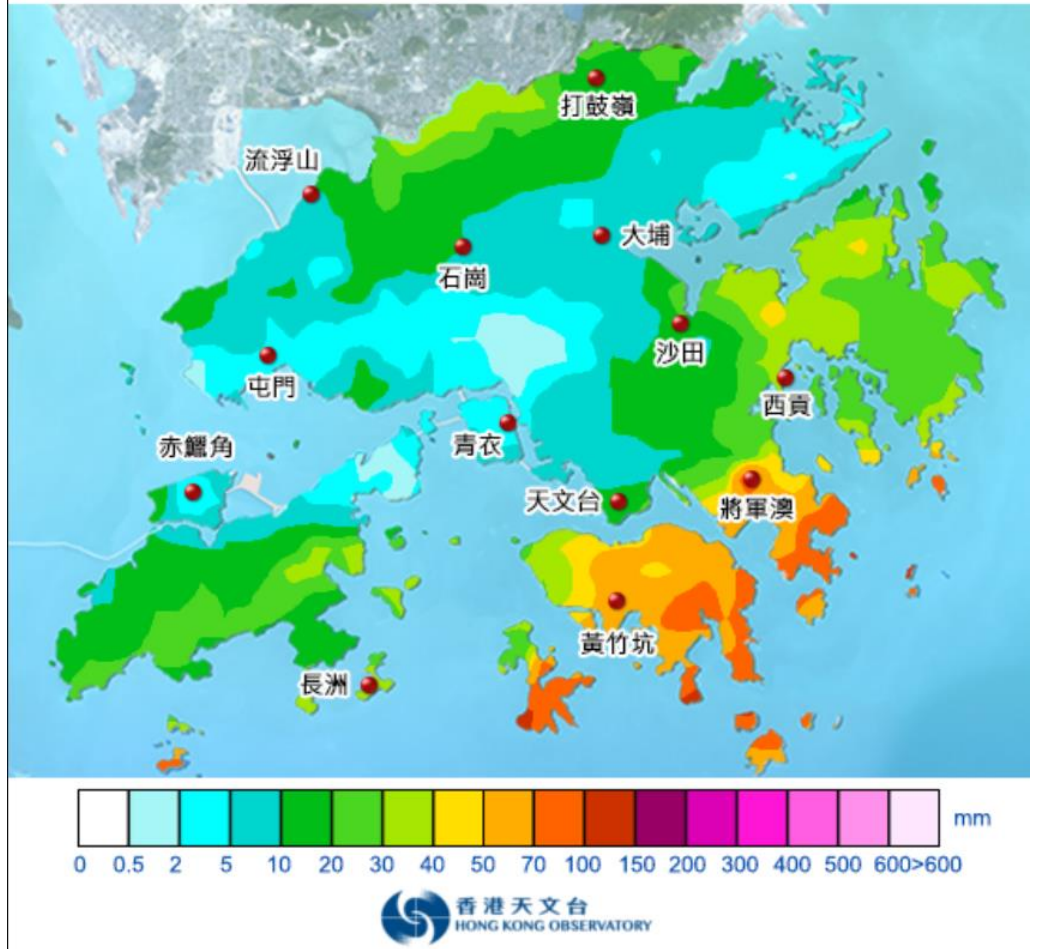


Supporting Photo 8 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 9 (Accumulative Rainfall on 31/07/2021)

2021年7月31日的總雨量 (基於雨量計及雷達數據)



Prepared by Charlene Lai

Date 13 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 | 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, WSR37 | | |
| | | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 9.0 mg/L | | > 9.8 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | 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 | <p>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).</p> <p>Intake Shaft Area: marine construction activities, namely 1) rigging of the caisson on 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 off-site to To Kwa Wan Typhoon Shelter (1600hrs onwards)</p> <p>Marine construction activities with contact with water: 1) pipe piling of 610mm Ø on temporary working platform (0800-1400hrs)</p> <p>Marine vessels on 03 August 2021:</p> <ul style="list-style-type: none"> • 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 construction 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.

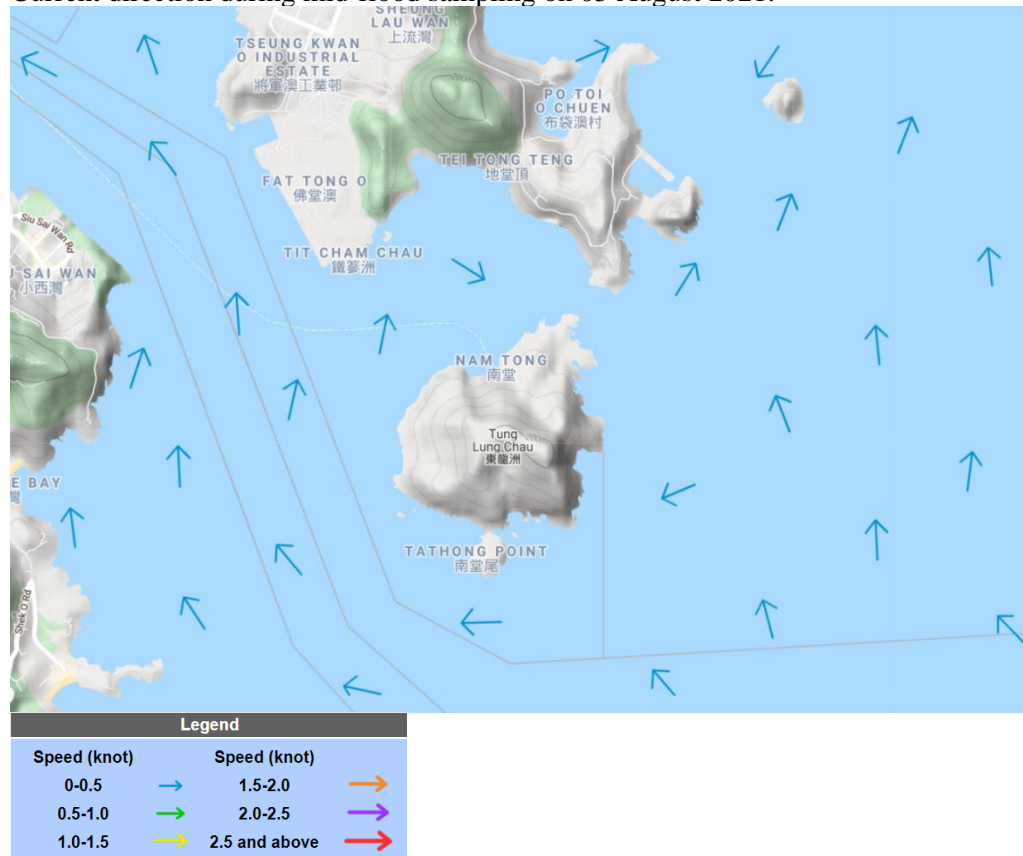
Tropical cyclone warning signals no.1 and no.3 were issued on 03 August 2021 with accumulative rainfall reaching 30mm over Joss-House Bay (Tai Miu Wan). The heavy rainfall may lead to release of SS content from the soil of the nearby lands (e.g. country park, fill bank).

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:



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

Supporting Photo 1 (Sea Conditions at WSR2)



Supporting Photo 2 (Sea Conditions at WSR3)



Supporting Photo 3 (Sea Conditions at WSR36)



Supporting Photo 4 (Sea Conditions at WSR37)



Supporting Photo 5 (Sea Conditions at CF)



Supporting Photo 6 (Sea Conditions at Intake Shaft Area during Mid-Flood Tide before Evacuation)



Supporting Photo 7 (Sea Conditions at Outfall Shaft Area During Mid-Ebb Tide before Evacuation)



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

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

Tropical Cyclone Warning Signals

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

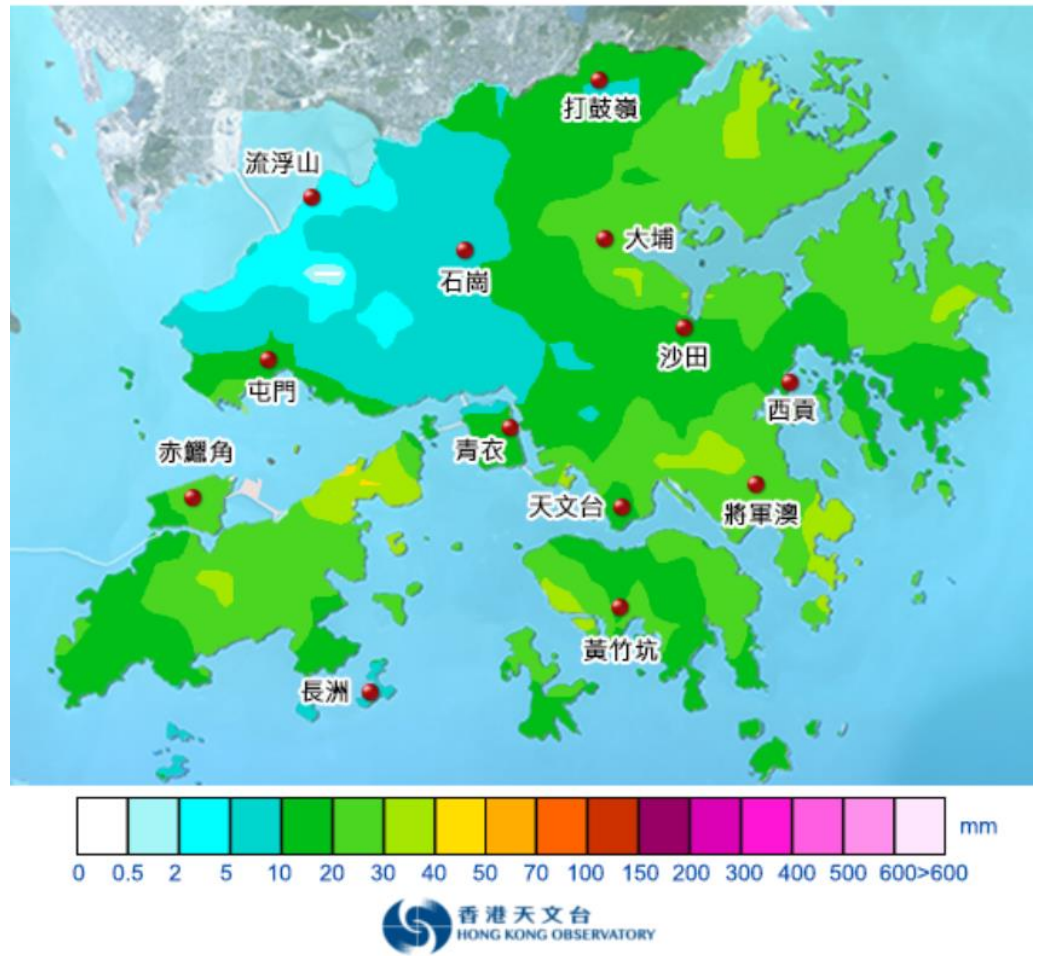
Thunderstorm Warning

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

[Back To Menu](#)

Supporting Photo 9 (Total Rainfall on 03/08/2021)

2021年8月3日的總雨量 (基於雨量計及雷達數據)



Prepared by Charlene Lai

Date 19 August 2021

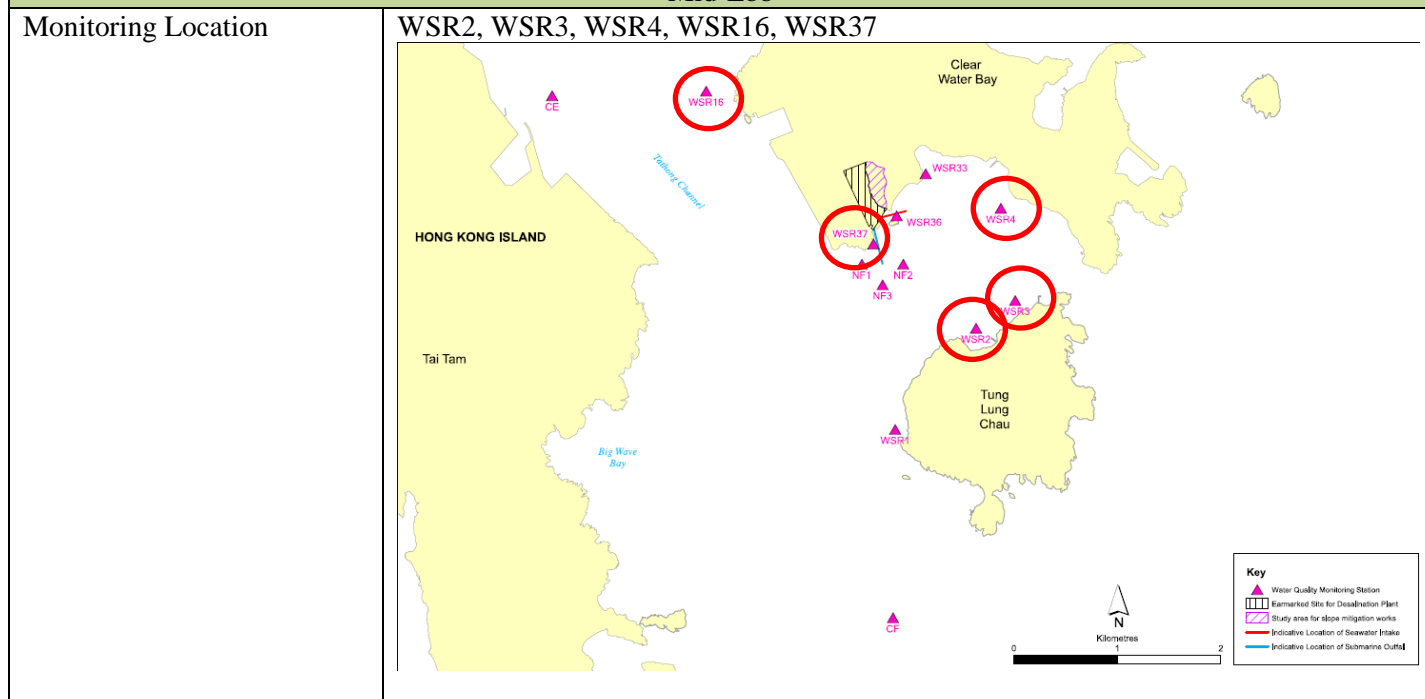
As been advised by the Main Contractor, the concrete blocks were in solid form of which concrete mix had set with limited SS that would be generated during the manual placement for seabed levelling. It would be expected that limited SS would be generated during diving activities. However, the SS level at WSR37 (9.3 mg/L) was observed highest when comparing with other monitoring stations. An upstream station, WSR33, had higher or similar SS level (9.3 mg/L) to stations immediately downstream (WSR36, WSR37). WSR3 was located distant from the construction site and the possibility to be affected by the marine construction activities was expected limited. However, the SS level at WSR3 (7.0 mg/L) was similar to station with marine construction activities (WSR36, 7.4 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.

Mid-Ebb

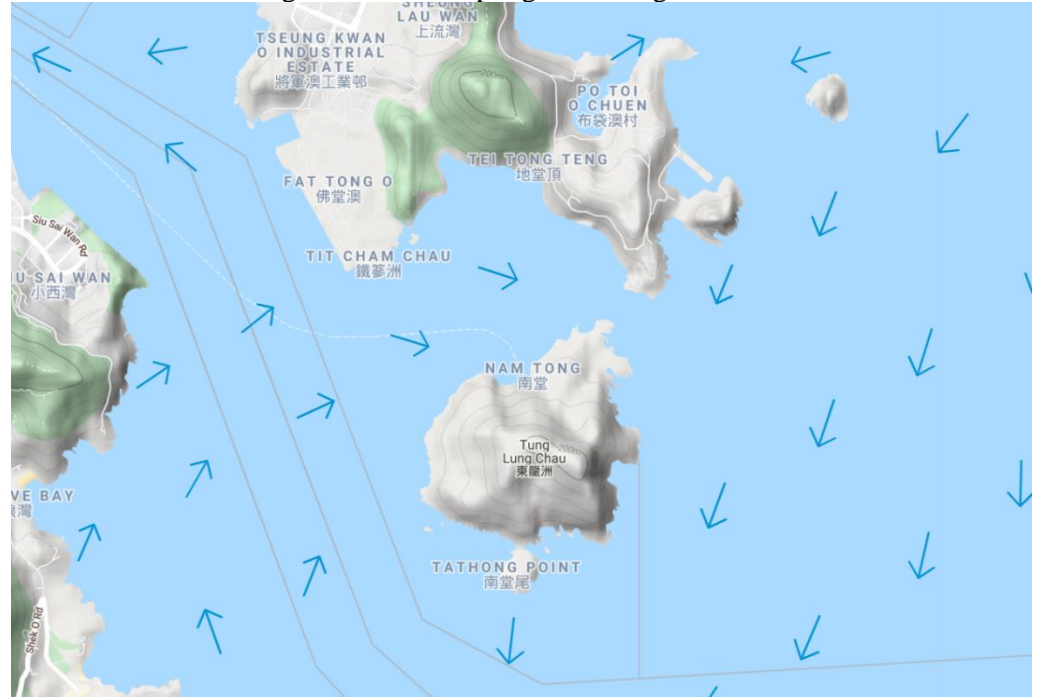


| | | | |
|-----------------------|---|--------------------------------|---|
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 5.0 mg/L | | > 6.0 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without 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) |

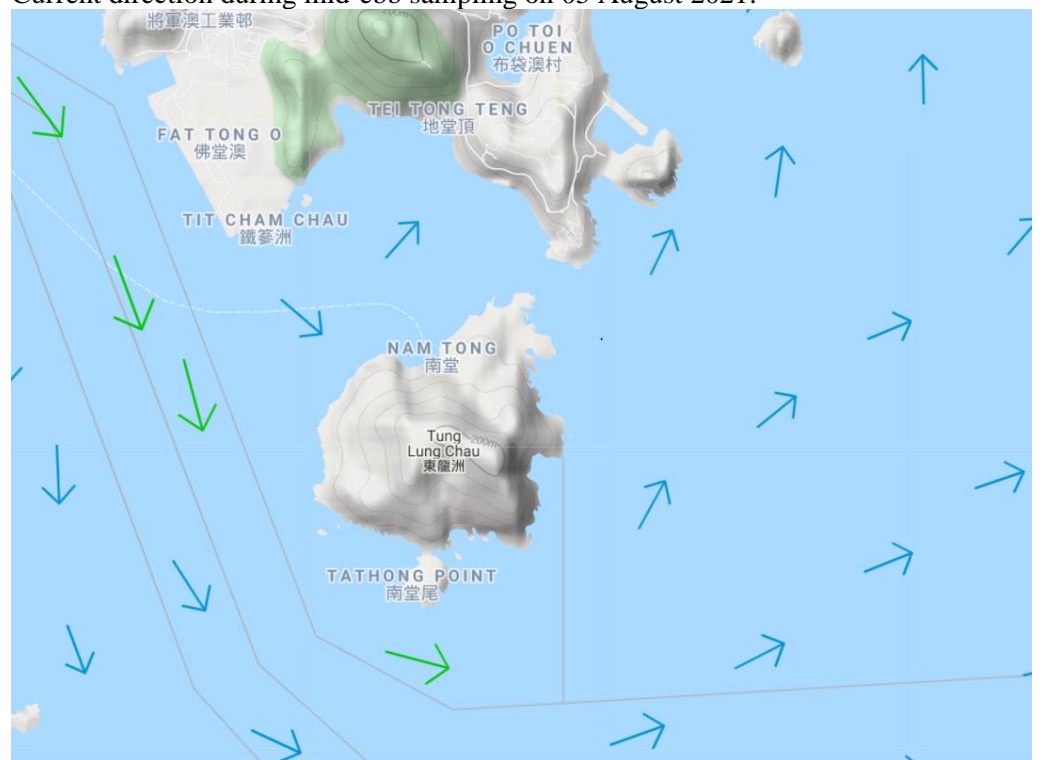
| | |
|--|---|
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: 1) Diver's checking on base condition and seabed levelling work (0800-1800hrs); 2) Lifting of concrete blocks for seabed levelling (1630-1800hrs)</p> <p>Intake Shaft Area: marine construction activities, namely 1) 610mm Ø pipe piling on temporary working platform (0800 - 1900 hrs); 2) lifting of 610mm Ø pipe piles (0800 - 1900 hrs)</p> <p>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)</p> <p>Marine vessels on 05 August 2021:</p> <ul style="list-style-type: none"> • 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) <p>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.</p> <p>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.</p> <p>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).</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 05 August 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 05 August 2021.</p> |
|--|---|

Remarks

Current direction during mid-flood sampling on 05 August 2021:



Current direction during mid-ebb sampling on 05 August 2021:



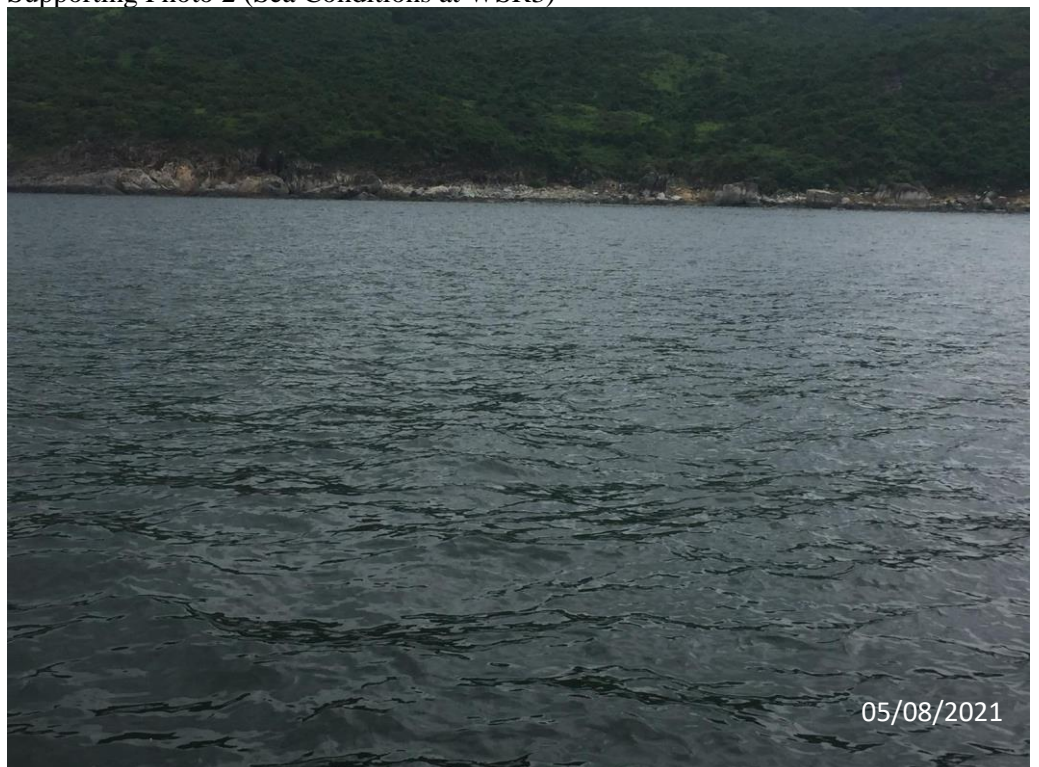
| Legend | |
|--------------|---------------|
| Speed (knot) | Speed (knot) |
| 0-0.5 | 1.5-2.0 |
| 0.5-1.0 | 2.0-2.5 |
| 1.0-1.5 | 2.5 and above |

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

Supporting Photo 1 (Sea Conditions at WSR2)



Supporting Photo 2 (Sea Conditions at WSR3)



Supporting Photo 3 (Sea Conditions at WSR4)



Supporting Photo 4 (Sea Conditions at WSR16)



Supporting Photo 5 (Sea Conditions at WSR33)



Supporting Photo 6 (Sea Conditions at WSR36)



Supporting Photo 7 (Sea Conditions at WSR37)



Supporting Photo 8 (Sea Conditions at CF)



Supporting Photo 9 (Sea Conditions at CE)



Supporting Photo 10 (Sea Conditions at Intake Shaft Area)

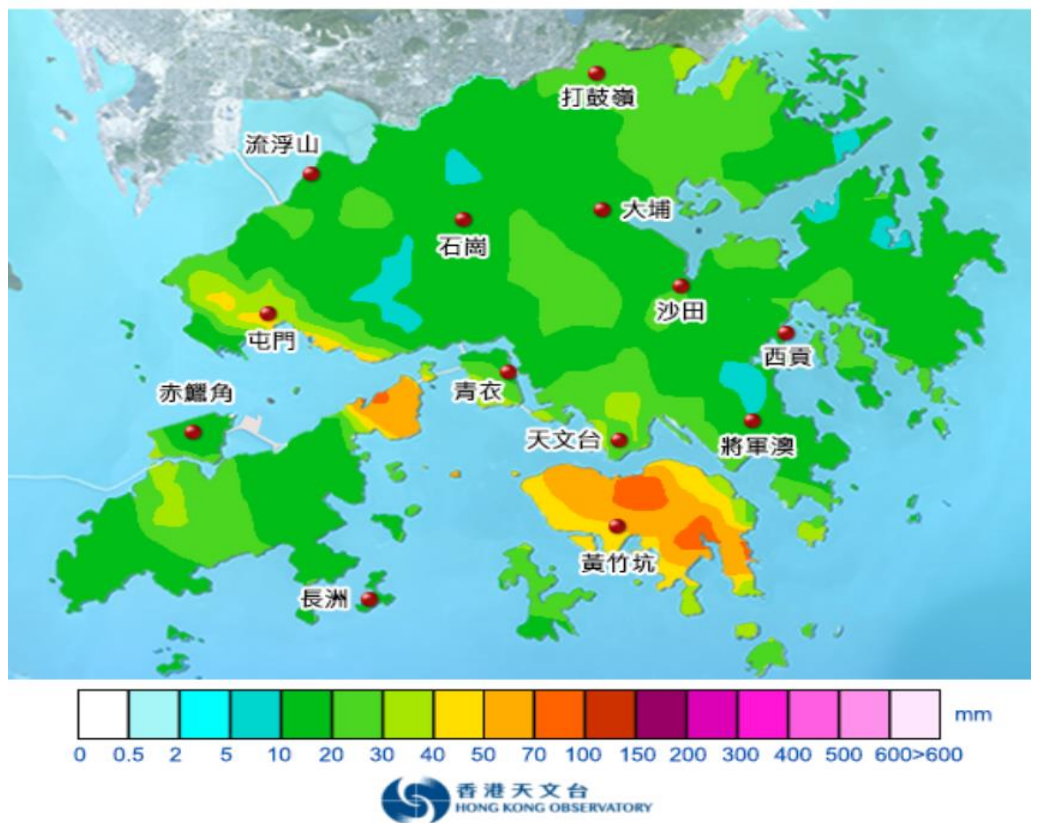


Supporting Photo 11 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 12 (Total rainfall on 05 August 2021)

2021年8月5日的總雨量 (基於雨量計及雷達數據)



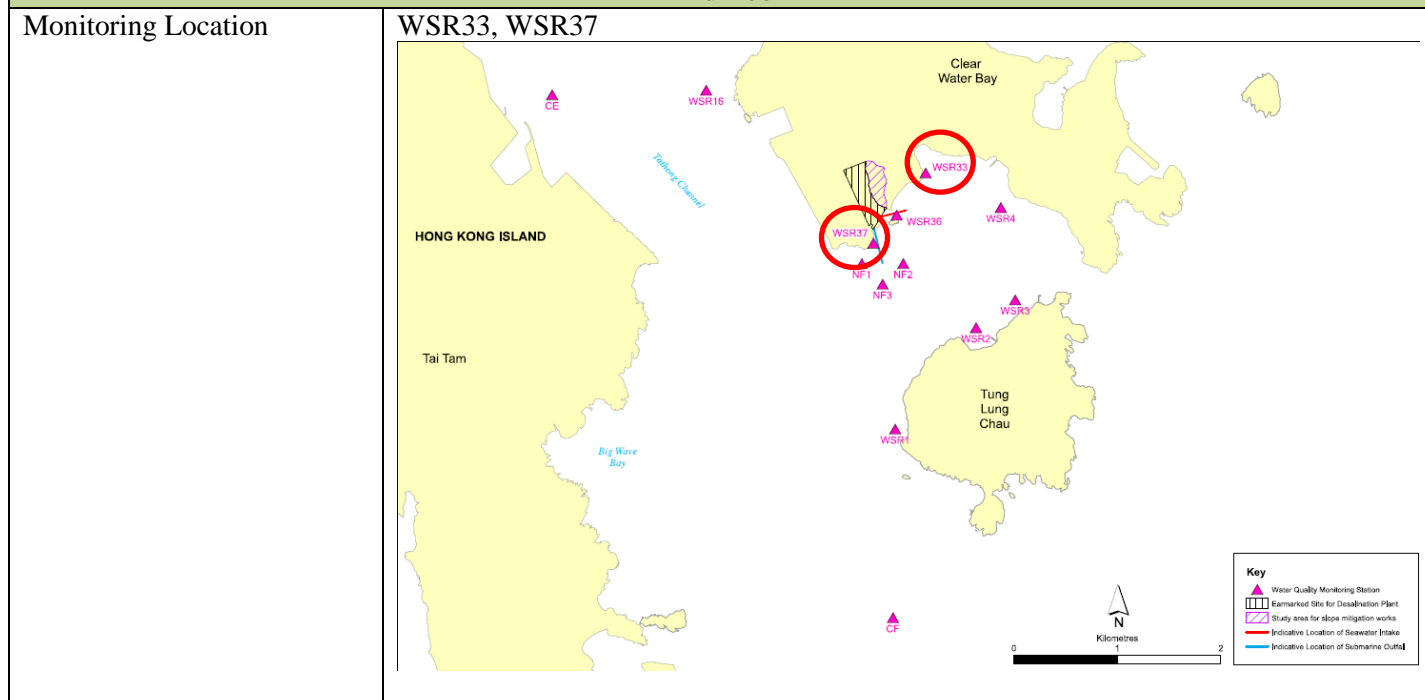
| | |
|-------------|----------------|
| Prepared by | Charlene Lai |
| Date | 25 August 2021 |

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.

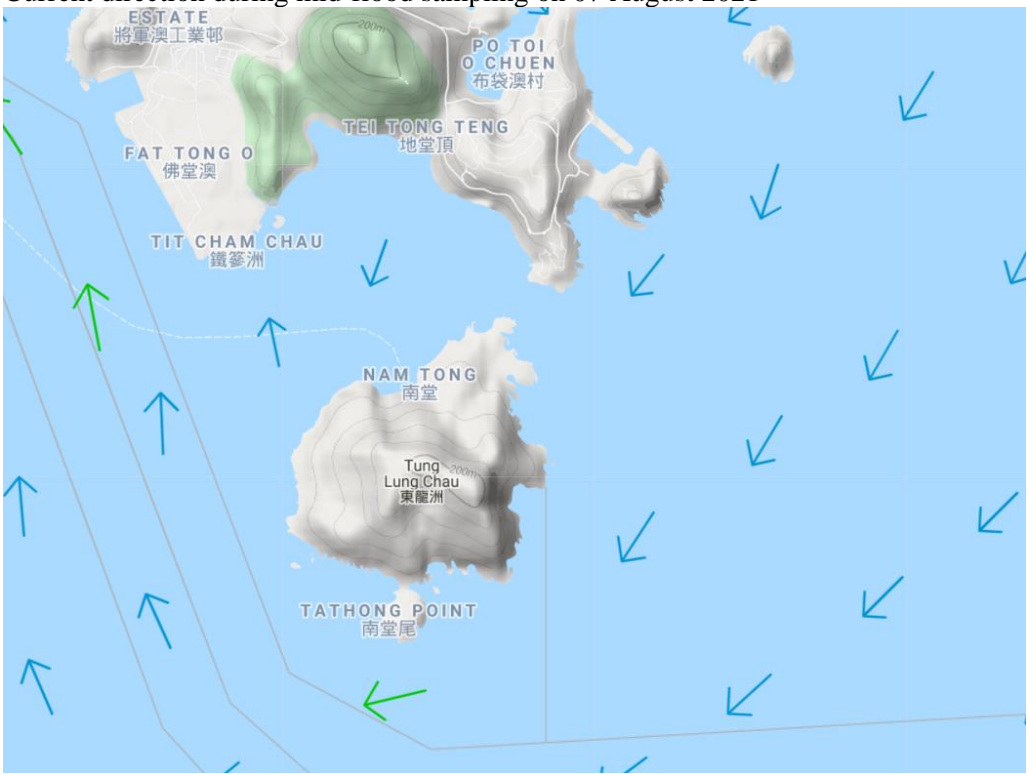
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 07 August 2021.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 07 August 2021.

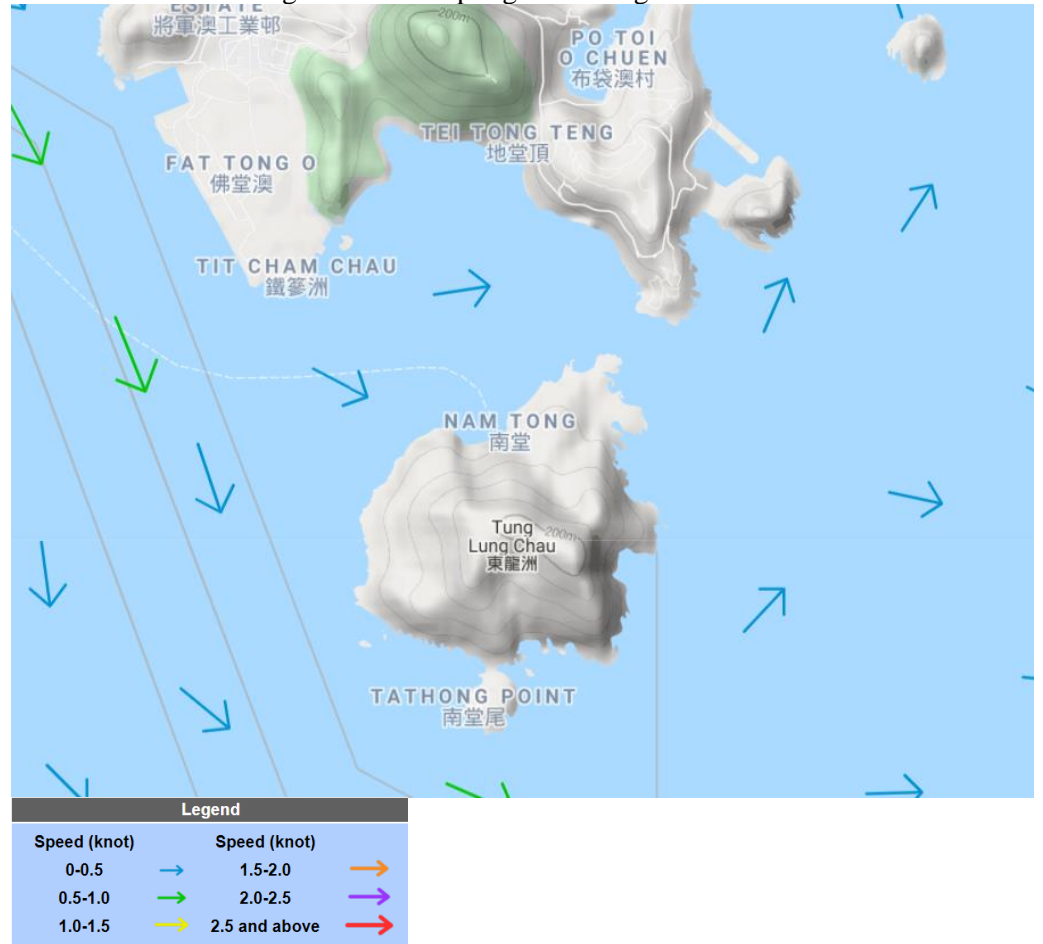
Mid-Ebb



| | | | |
|--|--|--------------------------------|--|
| 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 | Control Stations | Impact Station(s) without Exceedance |
| | 9.2 mg/L (WSR33) 7.8 mg/L (WSR37) | 5.2 mg/L (CE) 5.3 mg/L (CF) | 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 seabed levelling (0800-1800hrs) | | |

| | |
|----------------|--|
| | <p>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)</p> <p>Marine construction activities with contact with water: 1) Diver’s work on seabed levelling (0800-1800hrs)</p> <p>Marine vessels on 07 August 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1 (idling); 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 1 (Outfall Shaft) <p>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.</p> <p>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 (7.8 mg/L). No SS exceedance was observed at WSR36 (5.7 mg/L), which was located immediately downstream to marine construction activities. No marine construction activities were conducted at WSR36. Hence the SS exceedance at WSR33 (7.8 mg/L) may be caused by other natural factors. 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.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 07 August 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 07 August 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-flood sampling on 07 August 2021</p>  |

Current direction during mid-ebb sampling on 07 August 2021:



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

Supporting Photo 1 (Sea Conditions at WSR3)



07/08/2021

Supporting Photo 2 (Sea Conditions at WSR4)



Supporting Photo 3 (Sea Conditions at WSR16)



Supporting Photo 4 (Sea Conditions at WSR33)



Supporting Photo 5 (Sea Conditions at WSR37)



Supporting Photo 6 (Sea Conditions at CF)



Supporting Photo 7 (Sea Conditions at CE)



Supporting Photo 8 (Sea Conditions at Intake Shaft Area)



Supporting Photo 9 (Sea Conditions at Outfall Shaft Area)

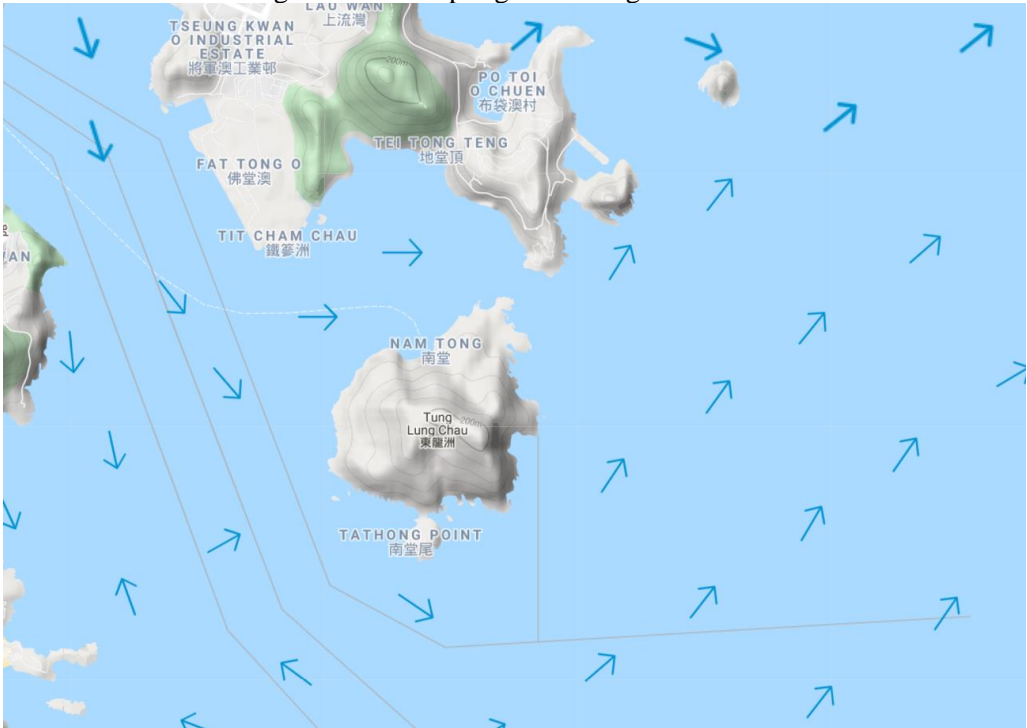


Prepared by Charlene Lai

Date 25 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 | 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 | <p>WSR3</p> <p>The map shows the coastline of Hong Kong Island and Tung Lung Chau. Key locations include Clear Water Bay, Tai Tam, and Big Wave Bay. Water Quality Monitoring Stations (WSR) are marked with pink triangles. WSR3 is circled in red. Other stations include WSR1, WSR2, WSR4, WSR16, WSR18, WSR21, WSR22, WSR23, WSR24, WSR25, WSR26, WSR27, WSR28, WSR29, WSR30, WSR31, WSR32, WSR33, WSR34, WSR35, WSR36, and WSR37. A hatched area indicates the earmarked site for desalination. A pink shaded area indicates the study area for slope mitigation works. A red line indicates the indicative location of seawater intake. A blue line indicates the indicative location of submarine outfall. A key in the bottom right corner explains these symbols. A scale bar shows 0, 1, and 2 kilometers. A north arrow is also present.</p> | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 5.0 mg/L | | > 6.0 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 5.4 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 | <p>Outfall Shaft Area: marine construction activities, namely 1) Diver’s work on seabed levelling and placement of bagged concrete (0800 – 1800 hrs)</p> <p>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)</p> <p>Marine construction activities with contact with water: 1) Diver’s work on seabed levelling and placement of bagged concrete (0800 – 1800 hrs); 2) pipe piling of 610mm Ø on temporary working platform (0800-1800hrs)</p> <p>Marine vessels on 10 August 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 1 (outfall Shaft) | | |

| | <p>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.</p> <p>No SS exceedance were observed at WSR36 (4.5 mg/L) and WSR37 (3.5 mg/L), where marine construction activities were conducted. WSR3 was located distant from the construction site and the possibility of being affected by marine construction works were limited. In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 10 August 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 10 August 2021.</p> | | | | | | | | | | |
|----------------|--|--------|--|--------------|--------------|-------|---------|---------|---------|---------|---------------|
| <p>Remarks</p> | <p>Current direction during mid-ebb sampling on 10 August 2021:</p>  <table border="1" data-bbox="485 1456 885 1608"> <thead> <tr> <th colspan="2">Legend</th> </tr> <tr> <th>Speed (knot)</th> <th>Speed (knot)</th> </tr> </thead> <tbody> <tr> <td>0-0.5</td> <td>1.5-2.0</td> </tr> <tr> <td>0.5-1.0</td> <td>2.0-2.5</td> </tr> <tr> <td>1.0-1.5</td> <td>2.5 and above</td> </tr> </tbody> </table> <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p> | Legend | | Speed (knot) | Speed (knot) | 0-0.5 | 1.5-2.0 | 0.5-1.0 | 2.0-2.5 | 1.0-1.5 | 2.5 and above |
| Legend | | | | | | | | | | | |
| Speed (knot) | Speed (knot) | | | | | | | | | | |
| 0-0.5 | 1.5-2.0 | | | | | | | | | | |
| 0.5-1.0 | 2.0-2.5 | | | | | | | | | | |
| 1.0-1.5 | 2.5 and above | | | | | | | | | | |

Supporting Photo 1 (Sea Conditions at WSR3)



Supporting Photo 2 (Sea Conditions at CF)



Supporting Photo 3 (Sea Conditions at CE)



Supporting Photo 4 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 5 (Sea Conditions at Intake Shaft Area)



| | |
|-------------|----------------|
| Prepared by | Charlene Lai |
| Date | 25 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 | 12 August 2021 (Lab result received on 18 August 2021) | | |
| Time | 08:00-10:42 (Mid-Flood) and 12:47-16:17 (Mid-Ebb) | | |
| Mid-Ebb | | | |
| Monitoring Location | WSR1, WSR3 | | |
| 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 |
| | 6.5 mg/L (WSR1) 5.2 mg/L (WSR3) | 4.1 mg/L (CF) 3.5 mg/L (CE) | 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 | <p>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)</p> <p>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)</p> <p>Marine construction activities with contact with water: 1) pipe piling of 610mm Ø on temporary working platform (0800-1800hrs)</p> <p>Marine vessels on 12 August 2021:</p> <ul style="list-style-type: none"> • 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) <p>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.</p> | | |

No SS exceedance were observed at WSR36 (3.8 mg/L), where marine construction activities were conducted. No marine construction works were conducted at WSR37 on 12 August 2021. However, the SS level at WSR37 (5.0 mg/L) was comparable to stations further away from the construction site (WSR2, WSR3). WSR1 and WSR3 was located distant from the construction site and the possibility of being affected by marine construction works were limited. 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 12 August 2021.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 12 August 2021.

Remarks

Current direction during mid-ebb sampling on 12 August 2021:

| Legend | |
|--------------|---------------|
| Speed (knot) | Speed (knot) |
| 0-0.5 | 1.5-2.0 |
| 0.5-1.0 | 2.0-2.5 |
| 1.0-1.5 | 2.5 and above |

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

Supporting Photo 1 (Sea Conditions at WSR1)



Supporting Photo 2 (Sea Conditions at WSR3)



Supporting Photo 3 (Sea Conditions at CE)




12/08/2021

Supporting Photo 4 (Sea Conditions at Intake Shaft Area)



12/08/2021

| | |
|-------------|---|
| | <p>Supporting Photo 5 (Sea Conditions at Outfall Shaft Area)</p>  <p>12/08/2021</p> |
| Prepared by | Charlene Lai |
| Date | 01 September 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 | 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-Flood | | | |
| Monitoring Location | WSR33, WSR36 | | |
| 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 Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 6.7 mg/L (WSR33) 8.8 mg/L (WSR36) | 5.1 mg/L (CF) 2.6 mg/L (CE) | 2.6 mg/L (WSR 1) 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 Limit Level Non-compliance | <p>Outfall Shaft Area: 1) Diver’s work stopped due to thunderstorm (0800 – 1000 hrs); 2) Seabed levelling by diver (1000 – 1900 hrs); 3) Welding work inside the hopper of a derrick barge (0800 – 1800 hrs)</p> <p>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)</p> <p>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)</p> <p>Marine vessels on 14 August 2021:</p> <ul style="list-style-type: none"> • 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) | | |

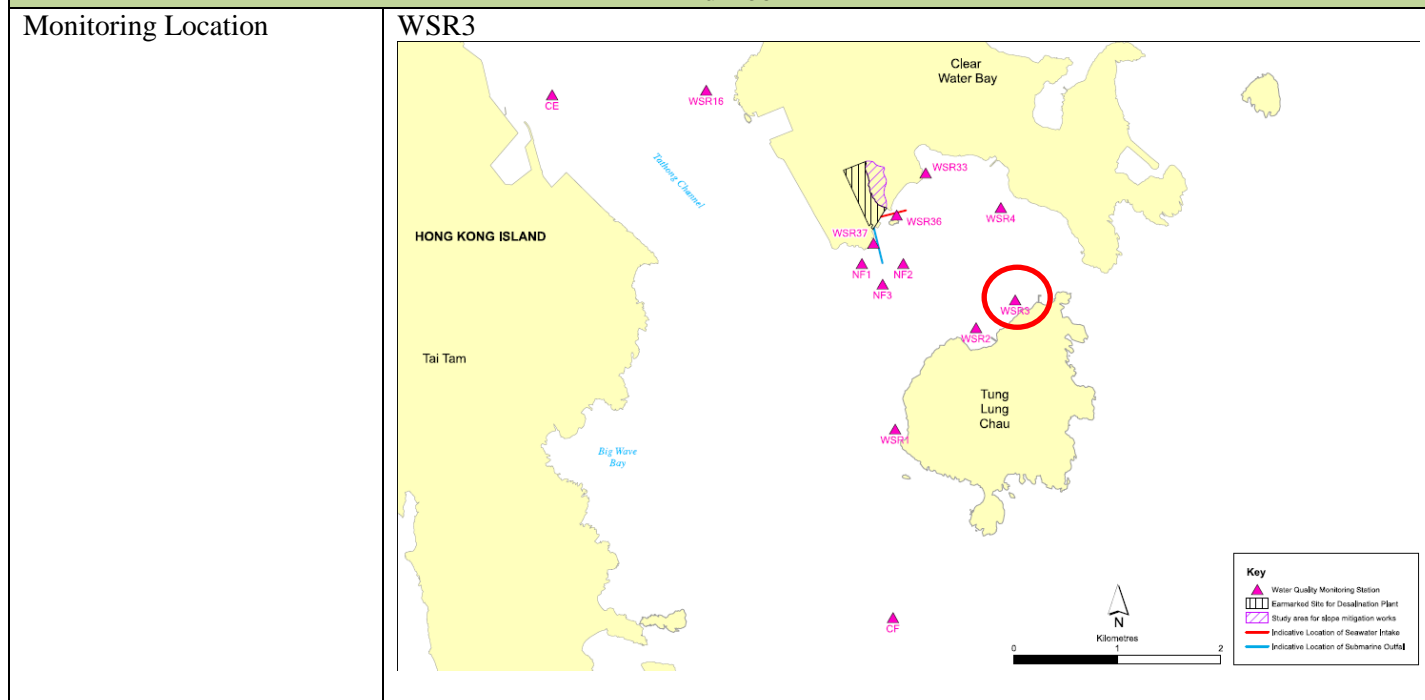
Dominating sea current direction was found to be from Southeast to Northwest at waters to the west side of Tit Cham Chau; and from Northeast to Southwest at waters to the east side of Tit Cham Chau.

No SS exceedance was observed at WSR37 (4.0 mg/L), where marine construction activities were conducted. WSR37 was located downstream to WSR36 during mid-flood tide. However, the SS level at WSR37 was lower than WSR36 (8.8 mg/L) and was comparable to background SS level at CF (5.1 mg/L). WSR33 was located upstream during mid-flood tide but noted with SS exceedance (6.7 mg/L). The observed SS level suggested that other natural factors may have caused the SS exceedance at WSR33 and WSR36. Accumulative rainfall reaching 30mm over Joss-House Bay (Tai Miu Wan) was observed on 14 August 2021. The rainfall may lead to release of SS content from the soil of the nearby lands (e.g. country park, fill bank).

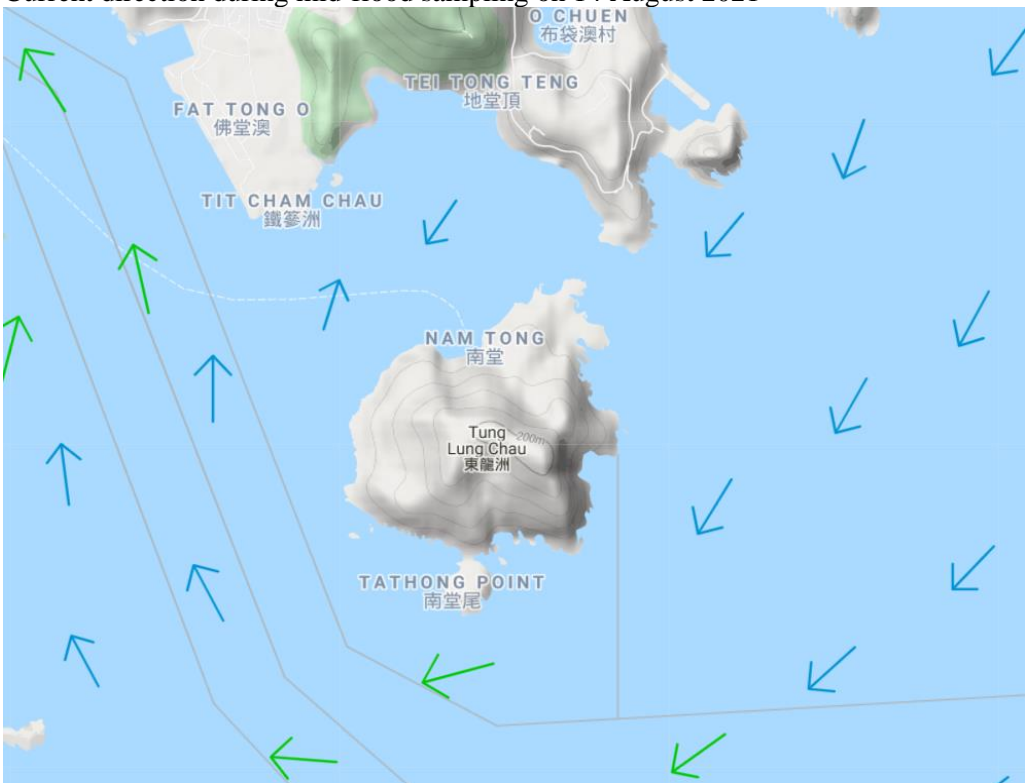
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 14 August 2021.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 14 August 2021.

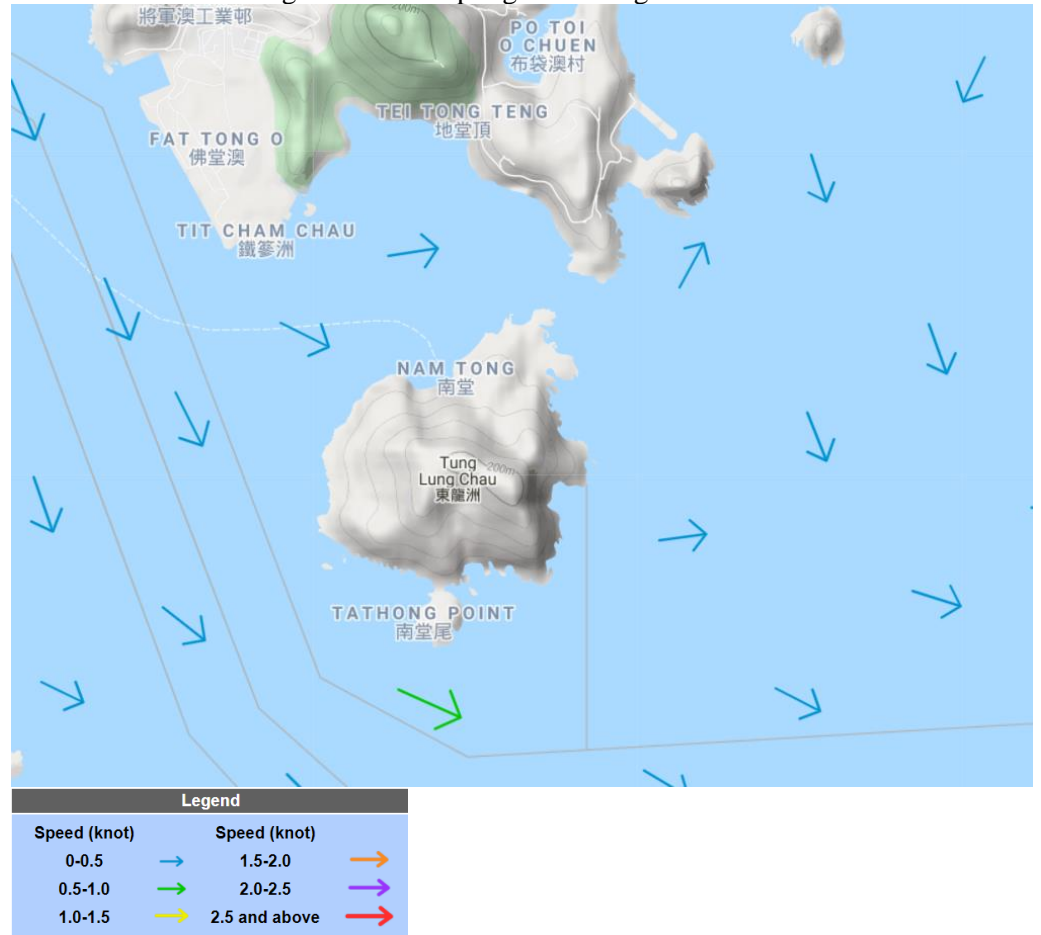
Mid-Ebb



| | | | |
|---|--|--------------------------------|---|
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 5.0 mg/L | | > 6.0 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 5.2 mg/L (WSR3) | 3.0 mg/L (CE) 6.4 mg/L (CF) | 2.7 mg/L (WSR1) 3.8 mg/L (WSR2) 3.3 mg/L (WSR4) 3.0 mg/L (WSR16) 3.0 mg/L (WSR33) 2.8 mg/L (WSR36) 4.6 mg/L (WSR37) |
| Possible reason for Action or Limit Level Non-compliance | Outfall Shaft Area: 1) Diver’s work stopped due to thunderstorm (0800 – 1000 hrs); 2) Seabed levelling by diver (1000 – 1900 hrs); 3) Welding work inside the hopper of a derrick barge (0800 – 1800 hrs) | | |

| | |
|----------------|--|
| | <p>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)</p> <p>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)</p> <p>Marine vessels on 14 August 2021:</p> <ul style="list-style-type: none"> • 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) <p>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.</p> <p>Stations WSR3 was located distant from the construction site and the possibility of being affected by marine construction works were considered limited. However, the SS level at WSR3 (5.2 mg/L) was higher than stations with marine construction activities (WSR36, 2.8 mg/L; WSR37, 4.6 mg/L). No SS exceedance was observed at WSR36 and WSR37 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 and may be resulted from other natural factors. Accumulative rainfall reaching 30mm over Joss-House Bay (Tai Miu Wan) was observed on 14 August 2021. The rainfall may lead to release of SS content from the soil of the nearby lands (e.g. country park, fill bank).</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 14 August 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 14 August 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-flood sampling on 14 August 2021</p>  |

Current direction during mid-ebb sampling on 14 August 2021:



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

Supporting Photo 1 (Sea Conditions at WSR3)



Supporting Photo 2 (Sea Conditions at WSR36)



Supporting Photo 3 (Sea Conditions at WSR37)



Supporting Photo 4 (Sea Conditions at CF)



Supporting Photo 5 (Sea Conditions at CE)

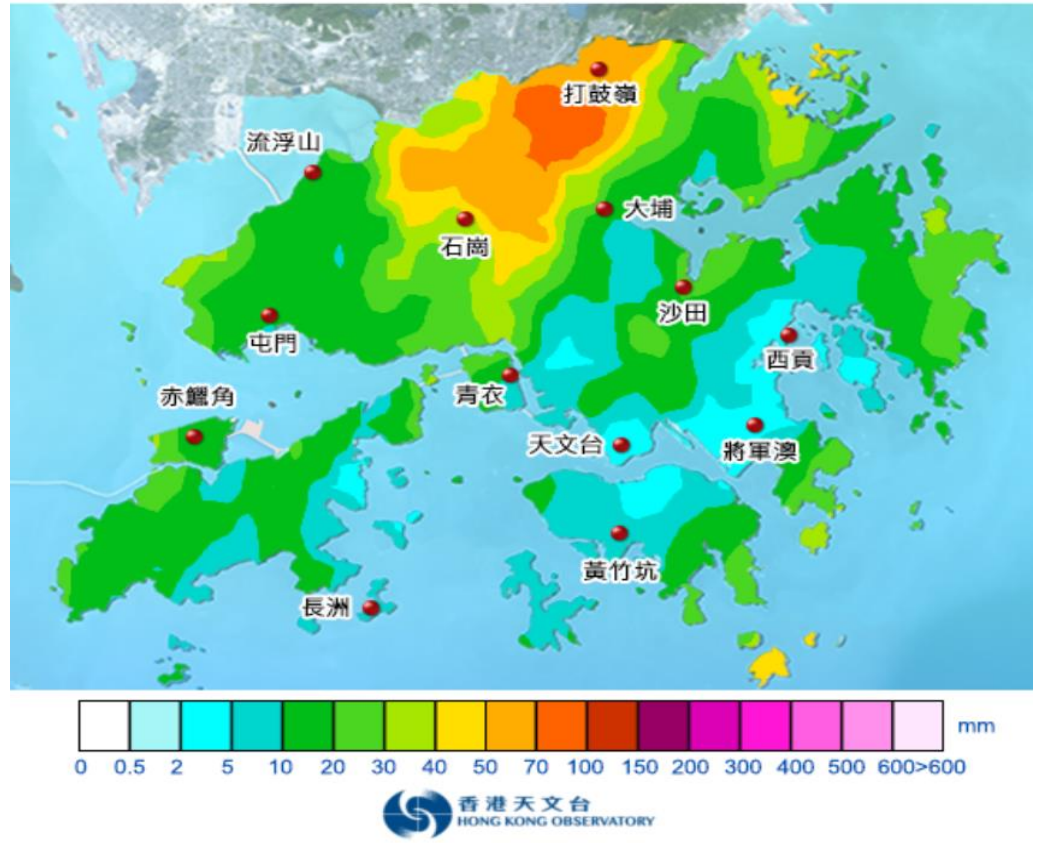


Supporting Photo 6 (Sea Conditions at Intake Shaft Area)



Supporting Photo 7 (Accumulated Rainfall on 14/08/2021)

2021年8月14日的總雨量 (基於雨量計及雷達數據)



Prepared by Charlene Lai

Date 09 September 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 | 17 August 2021 (Lab result received on 21 August 2021) | | |
| Time | 13:04-16:34 (Mid-Flood) and 08:00-10:39 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | WSR2, WSR3, WSR4, WSR16, WSR33, WSR36, WSR37 | | |
| | | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 5.0 mg/L | | > 6.0 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 5.8 mg/L (WSR 2) 6.3 mg/L (WSR 3) 7.3 mg/L (WSR 4) 8.7 mg/L (WSR 16) 5.8 mg/L (WSR33) 6.2 mg/L (WSR36) 6.3 mg/L (WSR 37) | 3.1 mg/L (CF) 7.3 mg/L (CE) | 3.4 mg/L (WSR 1) |
| Possible reason for Action or Limit Level Non-compliance | <p>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)</p> <p>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)</p> <p>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 of 610mm Ø on temporary working platform (0800 - 1900 hrs)</p> | | |

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)

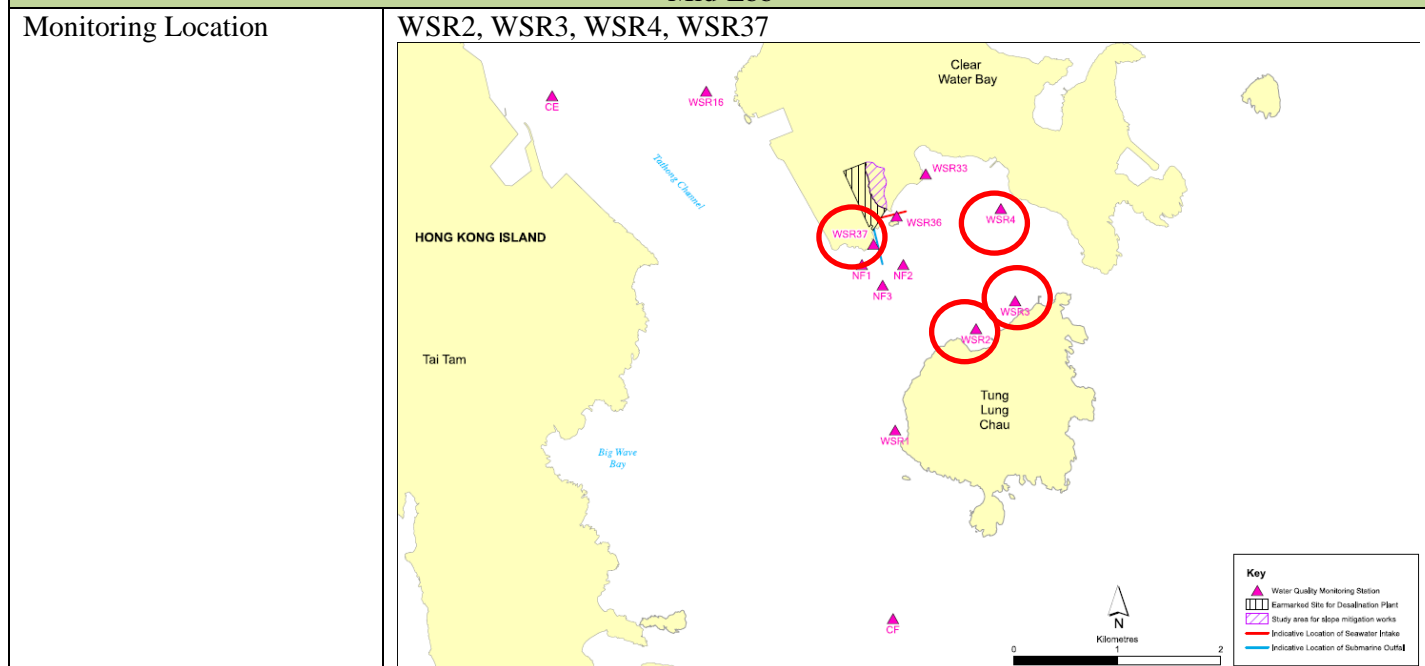
Dominating sea current direction was found to be from Southeast to Northwest at waters to the west side of Tit Cham Chau; and from Northeast to Southwest at waters to the east side of Tit Cham Chau.

Stations WSR2, WSR3 and WSR16 were located distant from the construction site and the possibility of being affected by marine construction works were considered limited. However, the SS levels at WSR3 (6.3 mg/L) and WSR16 (8.7 mg/L) were higher or comparable to stations with marine construction activities (WSR36, 6.2 mg/L; WSR37, 6.3 mg/L). WSR4 was located upstream during mid-flood tide but the SS level at WSR4 (7.3 mg/L) was higher than that of WSR36 and WSR37. The SS level at WSR33 (5.8 mg/L) was same to station WSR2 which located distant from the construction site. WSR33 was also located upstream during mid-flood tide but the SS level was comparable to WSR36 (6.2 mg/L) and WSR37 (6.3 mg/L). The background SS level at CE (7.3 mg/L) was comparable or higher than other monitoring stations. 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.

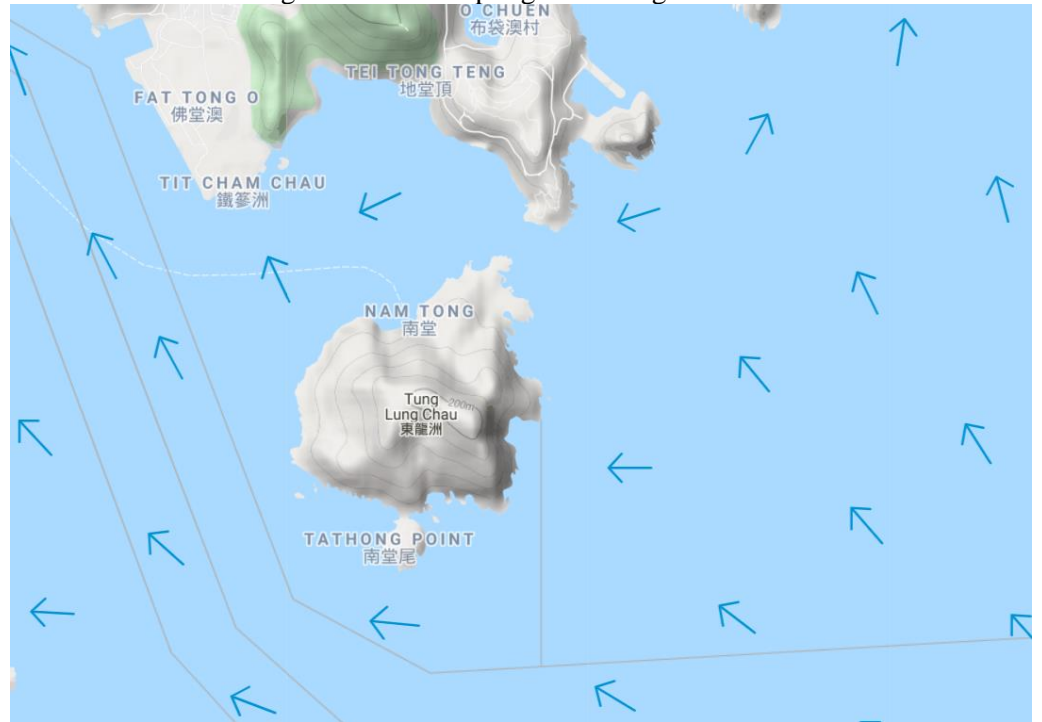
Mid-Ebb



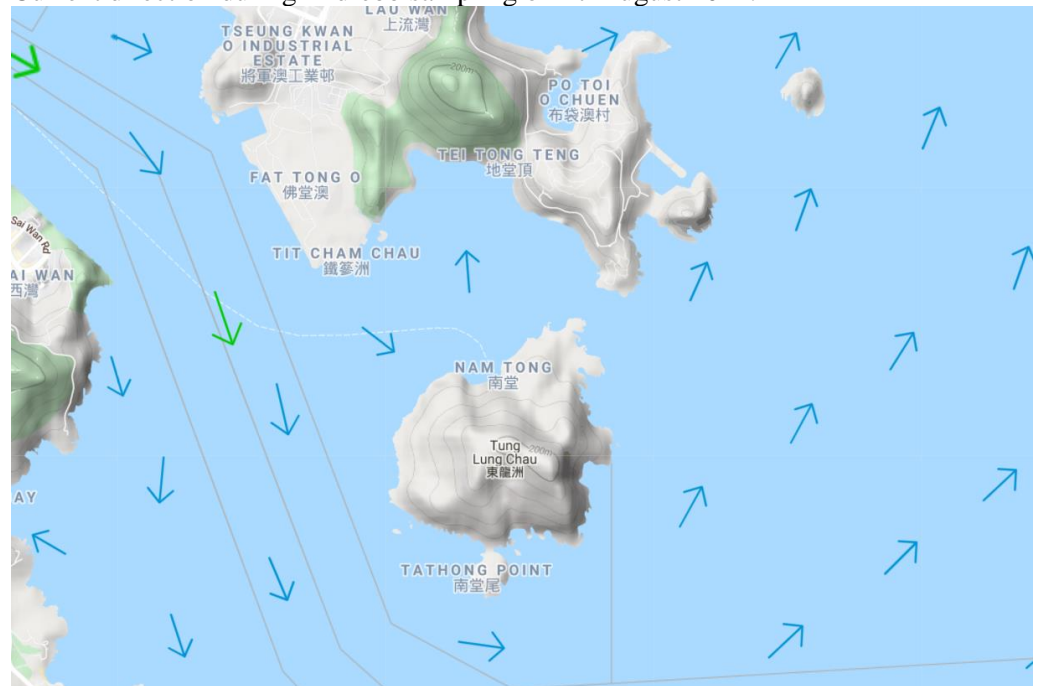
| | | | |
|-----------------------|---|--------------------------------|---|
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | Limit Level | |
| | > 6.6 mg/L | > 7.2 mg/L | |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 7.3 mg/L (WSR2) 7.0 mg/L (WSR3) 7.0 mg/L (WSR4) 6.8 mg/L (WSR37) | 5.5 mg/L (CE) 6.3 mg/L (CF) | 6.2 mg/L (WSR1) 5.5 mg/L (WSR16) 6.2 mg/L (WSR33) 6.4 mg/L (WSR36) |

| | |
|---|---|
| <p>Possible reason for Action or Limit Level Non-compliance</p> | <p>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)</p> <p>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)</p> <p>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 of 610mm Ø on temporary working platform (0800 - 1900 hrs)</p> <p>Marine vessels on 17 August 2021:</p> <ul style="list-style-type: none"> • 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) <p>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.</p> <p>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. Marine construction activities at WSR37 only commenced from 12:00 during mid-ebb tide of which water sampling was conducted between 08:40 to 08:42. Hence no marine construction activities were conducted during water sampling. In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 17 August 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 17 August 2021.</p> |
| <p>Remarks</p> | |

Current direction during mid-flood sampling on 17 August 2021



Current direction during mid-ebb sampling on 17 August 2021:



| Legend | | | |
|--------------|---|---------------|---|
| Speed (knot) | → | Speed (knot) | → |
| 0-0.5 | → | 1.5-2.0 | → |
| 0.5-1.0 | → | 2.0-2.5 | → |
| 1.0-1.5 | → | 2.5 and above | → |

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

Supporting Photo 1 (Sea Conditions at WSR2)



Supporting Photo 2 (Sea Conditions at WSR3)



Supporting Photo 3 (Sea Conditions at WSR4)



Supporting Photo 4 (Sea Conditions at WSR16)



Supporting Photo 5 (Sea Conditions at WSR33)



Supporting Photo 6 (Sea Conditions at WSR36)



Supporting Photo 7 (Sea Conditions at WSR37)



Supporting Photo 8 (Sea Conditions at CF)




Supporting Photo 9 (Sea Conditions at CE)



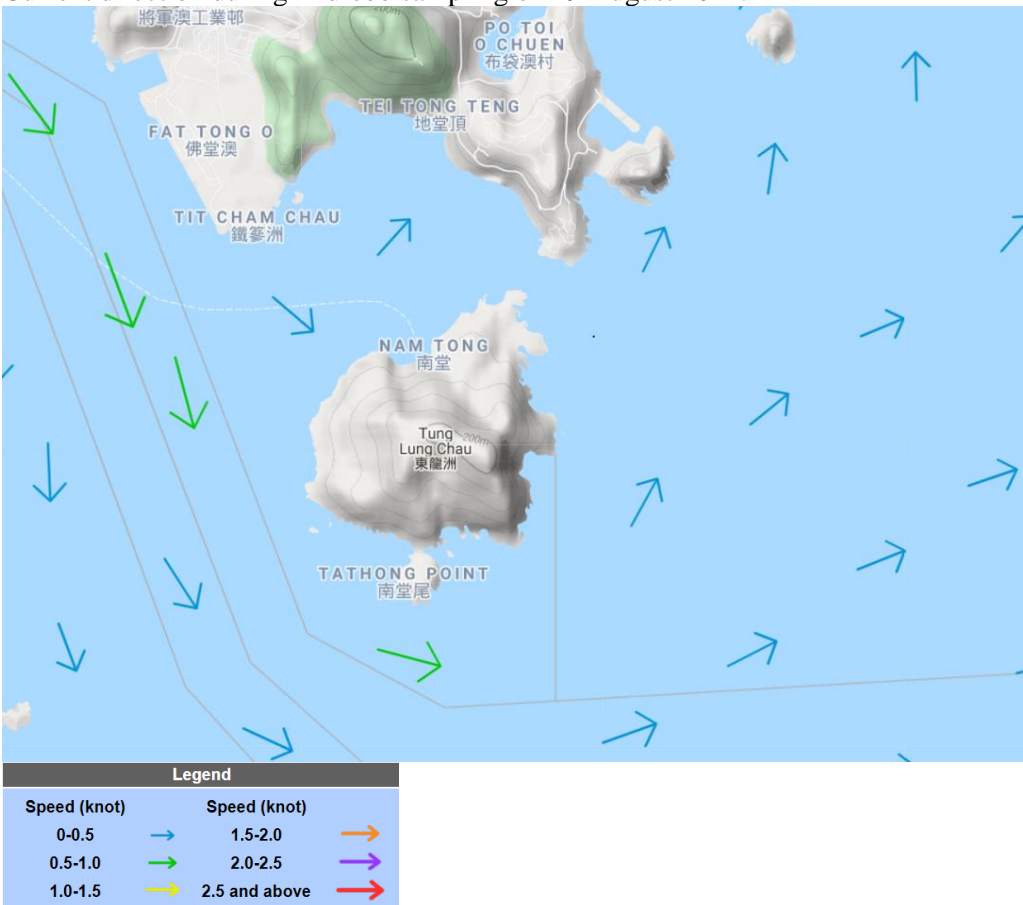
Supporting Photo 10 (Sea Conditions at Intake Shaft Area)



| | |
|-------------|--|
| | <p>Supporting Photo 11 (Sea Conditions at Outfall Shaft Area)</p>  <p>17/08/2021</p> |
| Prepared by | Charlene Lai |
| Date | 09 September 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 | 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-Ebb | | | |
| Monitoring Location | WSR2, WSR16 | | |
| 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 | <p>Outfall Shaft Area: marine construction activities, namely 1) derrick barge supported diver’s work inside the steel caisson (0800 – 1800 hrs); 2) laying of geotextile sheeting inside the bottom of steel caisson by divers (1000 – 1600 hrs)</p> <p>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); 3) one derrick barge was towed to Intake area (0800 – 1100 hrs); 4) welding work inside the hopper of a derrick barge (1100-1800 hrs)</p> <p>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)</p> <p>Marine vessels on 19 August 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 3; pipe piling rig x 1; 5.5T crane lift x 1, tug boat x 1 (Intake Shaft) • Derrick barge x 1 (Outfall Shaft) | | |

| | |
|----------------|--|
| | <p>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.</p> <p>No SS exceedance were observed at WSR36 (4.2 mg/L) and WSR37 (6.0 mg/L), where marine construction activities were conducted. The background SS level was relatively high at the control stations (CE, 6.2 mg/L; CF, 7.7 mg/L) and were higher than WSR36 and WSR37. WSR2 and WSR16 were located distant from the construction site and the possibility of being affected by marine construction works were limited. In view of the inverse relation between distance to marine works and SS level, the SS exceedance is concluded not project relevant.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 19 August 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 19 August 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-ebb sampling on 19 August 2021:</p>  <p>(Sourced from http://current.hydro.gov.hk/en/map.html)</p> |

Supporting Photo 1 (Sea Conditions at WSR2)



Supporting Photo 2 (Sea Conditions at WSR16)



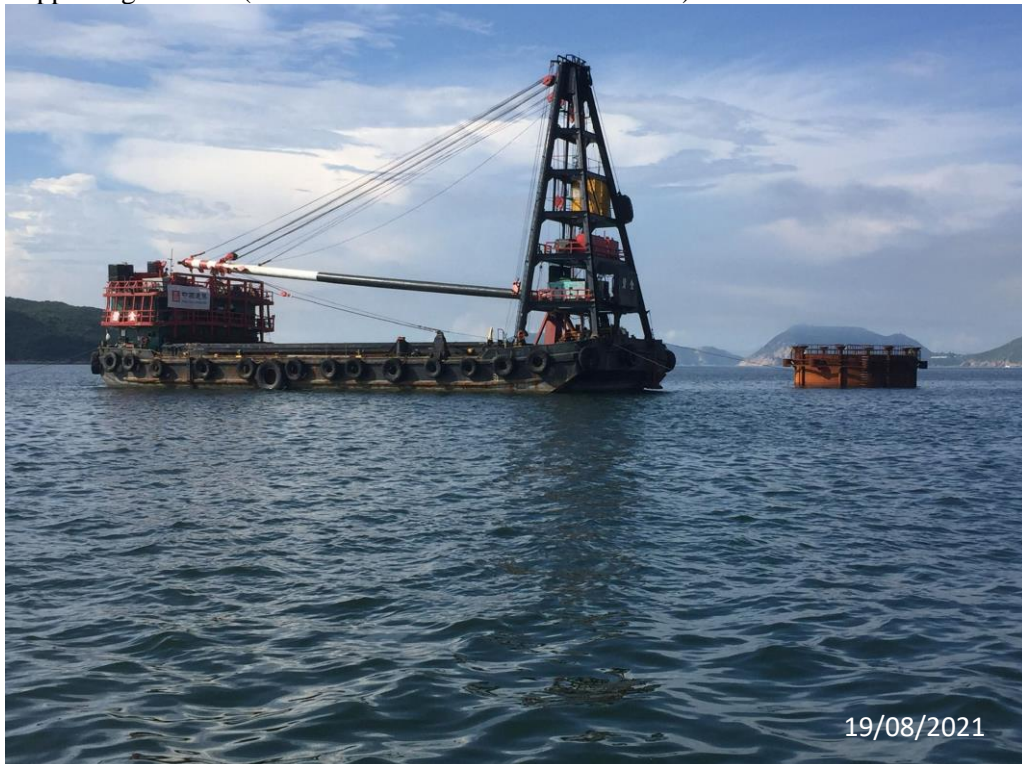
Supporting Photo 3 (Sea Conditions at CE)



Supporting Photo 4 (Sea Conditions at Intake Shaft Area)



Supporting Photo 5 (Sea Conditions at Outfall Shaft Area)



Prepared by Charlene Lai

Date 01 September 2021

Incident Report on Action Level or Limit Level Non-Compliance

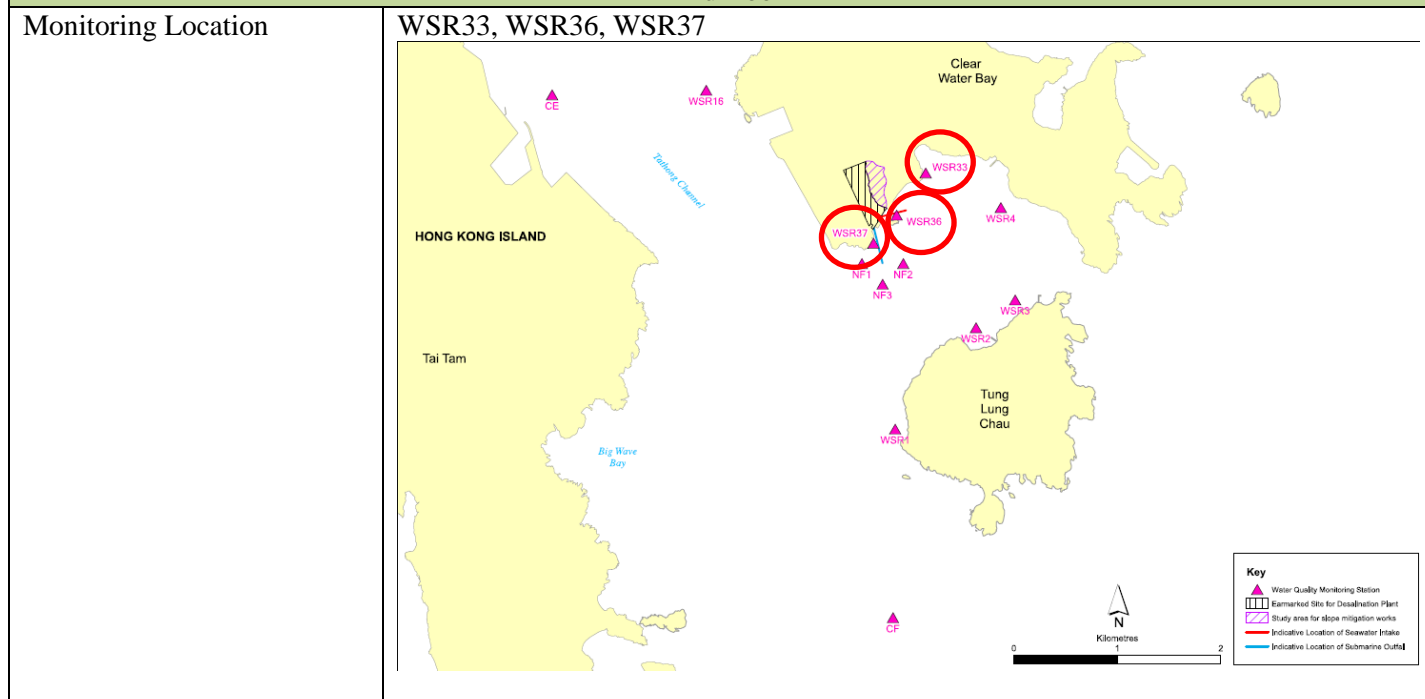
| | | | |
|--|--|--------------------------------|--|
| Project | Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant | | |
| Date | 21 August 2021 (Lab result received on 26 August 2021) | | |
| Time | 16:53-19:00 (Mid-Flood) and 09:37-13:07 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | WSR1, WSR2, WSR3 | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit 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 | <p>Outfall Shaft Area: 1) one derrick barge worked on rock filling inside the steel caisson (0800-1800 hrs); 2) another derrick barge for lifting work and supported welding work on caisson platform (0800 - 1800 hrs)</p> <p>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)</p> <p>Marine construction activities with contact with water: 1) pipe piling of 610mm Ø on temporary working platform</p> <p>Marine vessels on 21 August 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft); tug boat x 1 <p>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.</p> | | |

Stations WSR1, WSR2 and WSR3 were located distant from the construction site and the possibility of being affected by marine construction works were considered limited. However, the SS levels at WSR1 (8.3 mg/L), WSR2 (8.8 mg/L) and WSR3 (8.5 mg/L) were higher than stations with marine construction activities (WSR36, 7.2 mg/L; WSR37, 5.8 mg/L). In view of the inverse relation between distance to marine works and SS level, the SS exceedance is considered not project relevant.

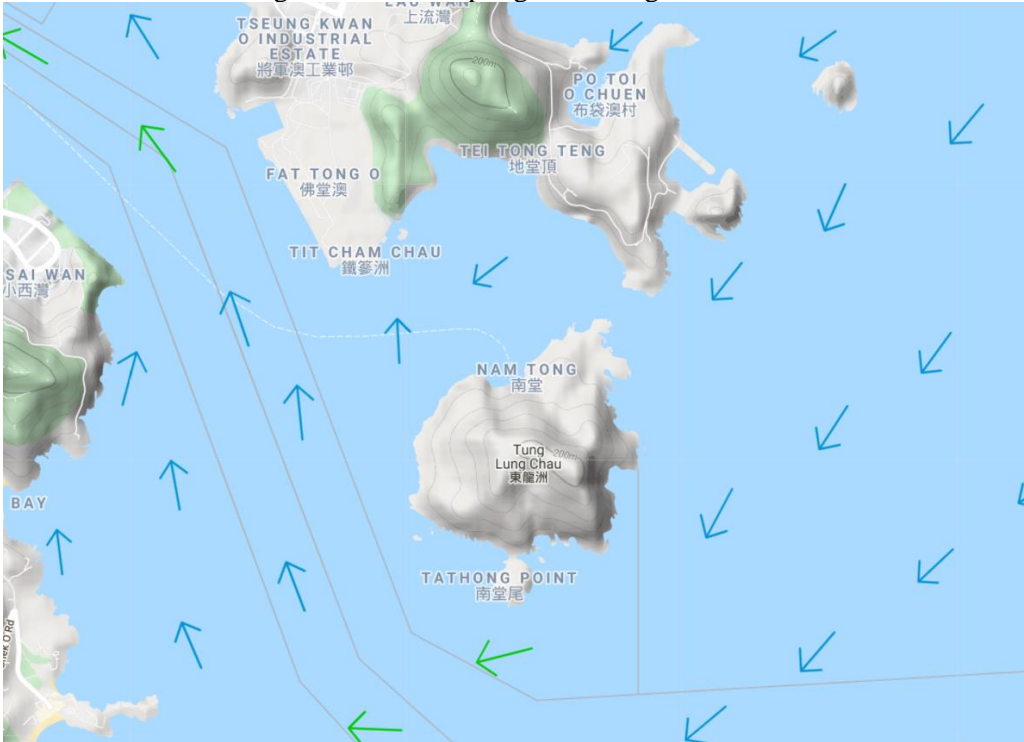
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 21 August 2021.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 21 August 2021.

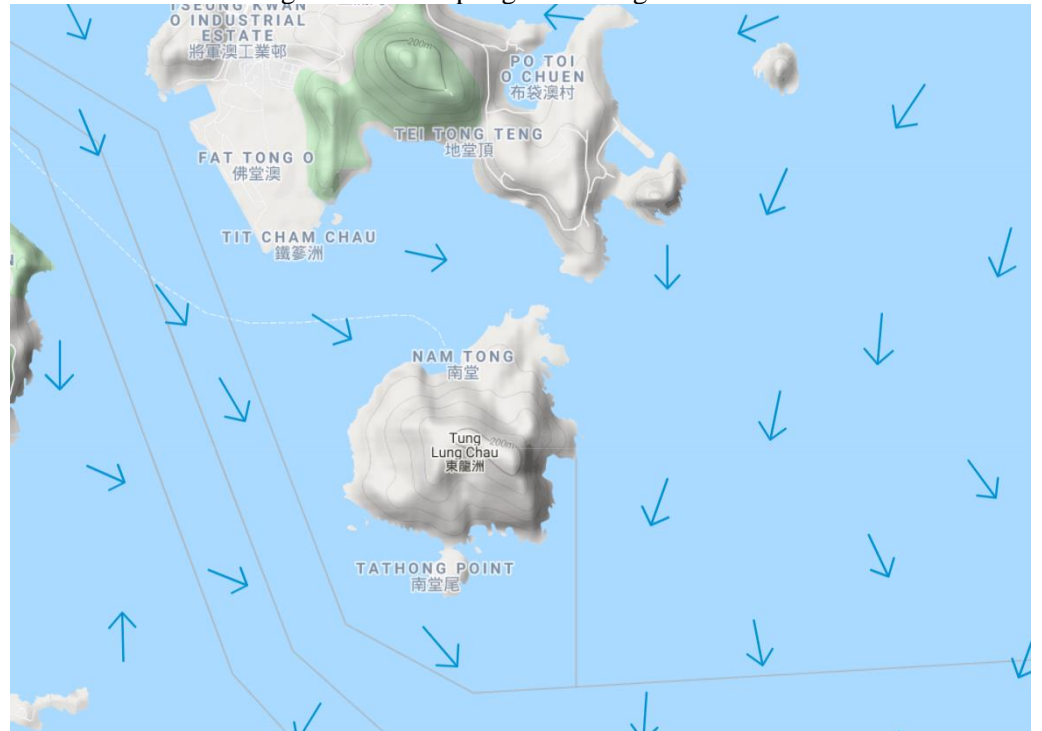
Mid-Ebb



| | | | |
|--|---|--------------------------------|--|
| 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 |
| | 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 | <p>Outfall Shaft Area: 1) one derrick barge worked on rock filling inside the steel caisson (0800-1800 hrs); 2) another derrick barge for lifting work and supported welding work on caisson platform (0800 - 1800 hrs)</p> <p>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)</p> <p>Marine construction activities with contact with water: 1) pipe piling of 610mm Ø on temporary working platform</p> | | |

| | |
|----------------|---|
| | <p>Marine vessels on 21 August 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 2; pipe piling rig x 1; 5.5T crane lift x 1 (Intake Shaft) • Derrick barge x 2 (Outfall Shaft); tug boat x 1 <p>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.</p> <p>As been advised by the Main Contractor, rock filling was conducted inside the steel caisson with no direct contact to the main water body during operation at WSR37. Hence limited SS generation will be expected during the operation. The background SS level was relatively high at CF (9.3 mg/L) and was comparable or higher than stations near to marine construction activities (WSR36, 8.2 mg/L; WSR33, 9.3 mg/L). Silt curtain was also in place at WSR36 to prevent silty water escaping from the working area. Hence no solid correlation could be made for the SS levels at WSR33 and marine construction activities at WSR36 and WSR37.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 21 August 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 21 August 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-flood sampling on 21 August 2021</p>  |

Current direction during mid-ebb sampling on 21 August 2021:



| Legend | |
|--------------|---------------|
| Speed (knot) | Speed (knot) |
| 0-0.5 | 1.5-2.0 |
| 0.5-1.0 | 2.0-2.5 |
| 1.0-1.5 | 2.5 and above |

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

Supporting Photo 1 (Sea Conditions at WSR1)



Supporting Photo 2 (Sea Conditions at WSR2)



Supporting Photo 3 (Sea Conditions at WSR3)



Supporting Photo 4 (Sea Conditions at WSR33)



Supporting Photo 5 (Sea Conditions at WSR36)



Supporting Photo 6 (Sea Conditions at WSR37)



Supporting Photo 7 (Sea Conditions at CF)



Supporting Photo 8 (Sea Conditions at CE)



Supporting Photo 9 (Sea Conditions at Intake Shaft Area)



Supporting Photo 10 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 11 (Silt Curtain at WSR36)



Prepared by Charlene Lai

Date 09 September 2021

Incident Report on Action Level or Limit Level Non-Compliance

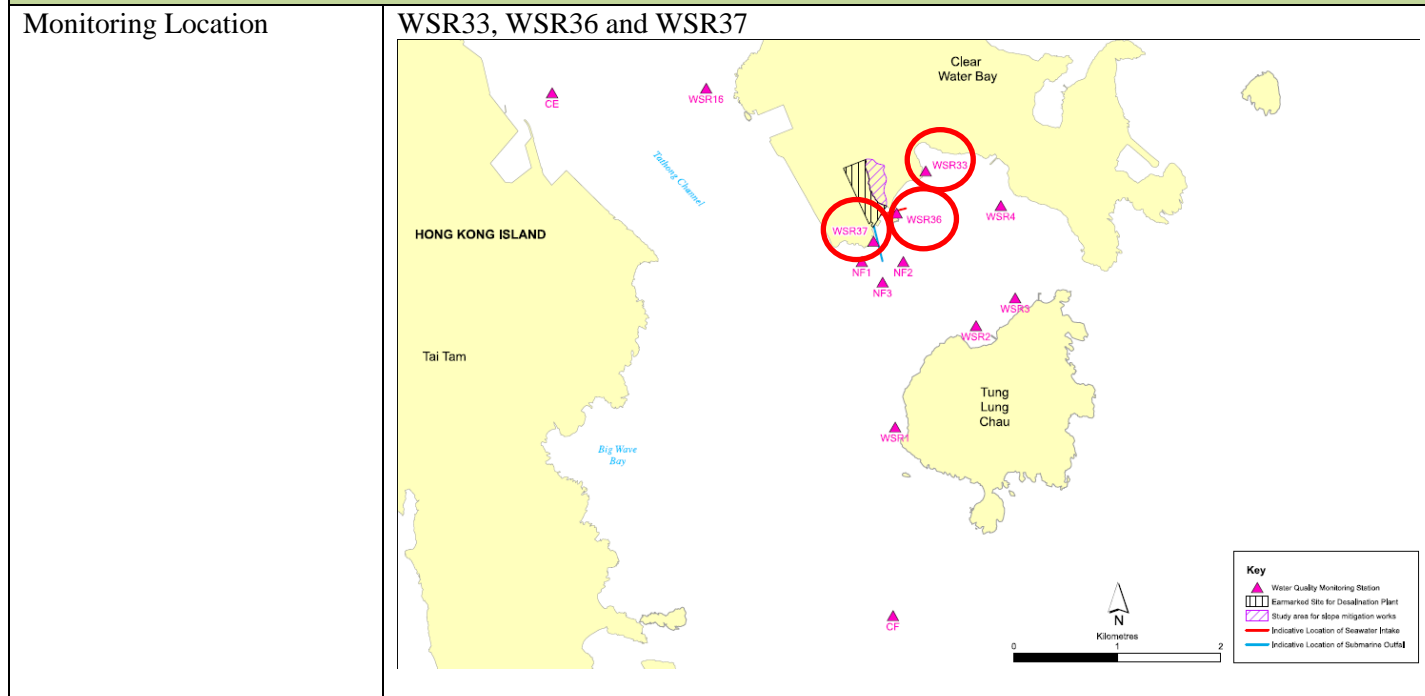
| | | | |
|--|---|--------------------------------|---------------------------------------|
| Project | Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant | | |
| Date | 24 August 2021 (Lab result received on 31 August 2021) | | |
| Time | 17:20-19:00 (Mid-Flood) and 11:53-15:23 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | WSR2, WSR3, WSR4, WSR33, WSR36, WSR37 | | |
| | | | |
| 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 | Impact Station(s) without Exceedance |
| | 9.0 mg/L (WSR 2) 8.0 mg/L (WSR 3) 7.3 mg/L (WSR 4) 7.8 mg/L (WSR33) 7.3 mg/L (WSR36) 8.7 mg/L (WSR 37) | 6.7 mg/L (CE) 5.5 mg/L (CF) | 5.6 mg/L (WSR 1) 6.0 mg/L (WSR 16) |
| Possible reason for Action or Limit Level Non-compliance | <p>Outfall Shaft Area: 1) One derrick barge material lifting supporting the welding work on caisson platform (0800 - 1800 hrs); 2) House-keeping of lifting/ rigging gears (0800 – 1500 hrs); 3) Mobilization of the drill rig from land onto caisson platform (1500 – 2000 hrs)</p> <p>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)</p> <p>Marine construction activities with contact with water: 1) pipe piling of 610mm Ø on temporary working platform</p> <p>Marine vessels on 24 August 2021:</p> <ul style="list-style-type: none"> 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) <p>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.</p> | | |

No marine construction activities with contact with water was conducted on 24 August 2021 at Outfall Shaft (WSR37). SS exceedance however was observed at WSR37 (8.7 mg/L). The SS levels at the Joss House Bay (Tai Miu Wan) during mid-tide on 24 August 2021 was generally high with records reaching between 7.3 mg/L to 9.0 mg/L. WSR2 (9.0 mg/L), WSR3 (8.0 mg/L) and WSR4 (7.3 mg/L) were located distant from the construction site and the possibility of being affected by marine activities was low. The SS levels were however higher or at same level to WSR36 (7.3 mg/L), where marine construction activities were conducted. An upstream station, WSR33 (7.8 mg/L), was recorded with a higher SS level than that of WSR36, which located immediately downstream to WSR33. 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.

Mid-Ebb

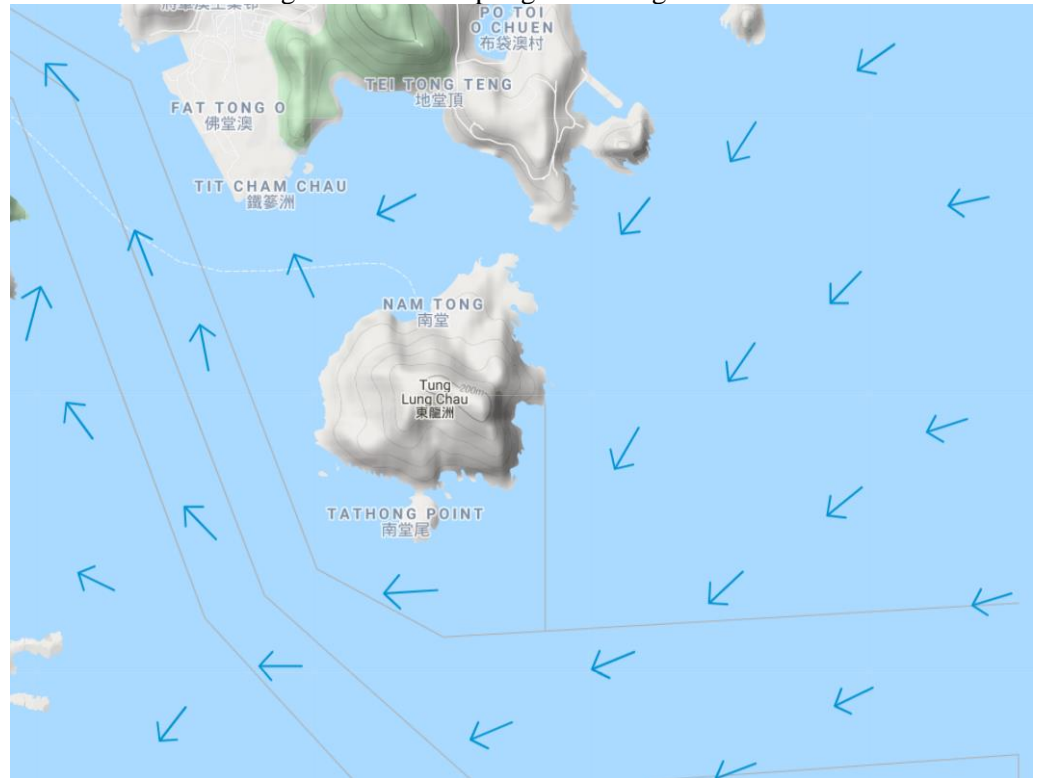


| | | | |
|---|---|--------------------------------|--|
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 6.4 mg/L | | > 6.9 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 8.3 mg/L (WSR33) 7.2 mg/L (WSR36) 9.0 mg/L (WSR37) | 5.3 mg/L (CE) 5.5 mg/L (CF) | 4.5 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 | Outfall Shaft Area: 1) One derrick barge material lifting supporting the welding work on caisson platform (0800 - 1800 hrs); 2) House-keeping of lifting/ rigging gears (0800 – 1500 hrs); 3) Mobilization of the drill rig from land onto caisson platform (1500 – 2000 hrs) | | |

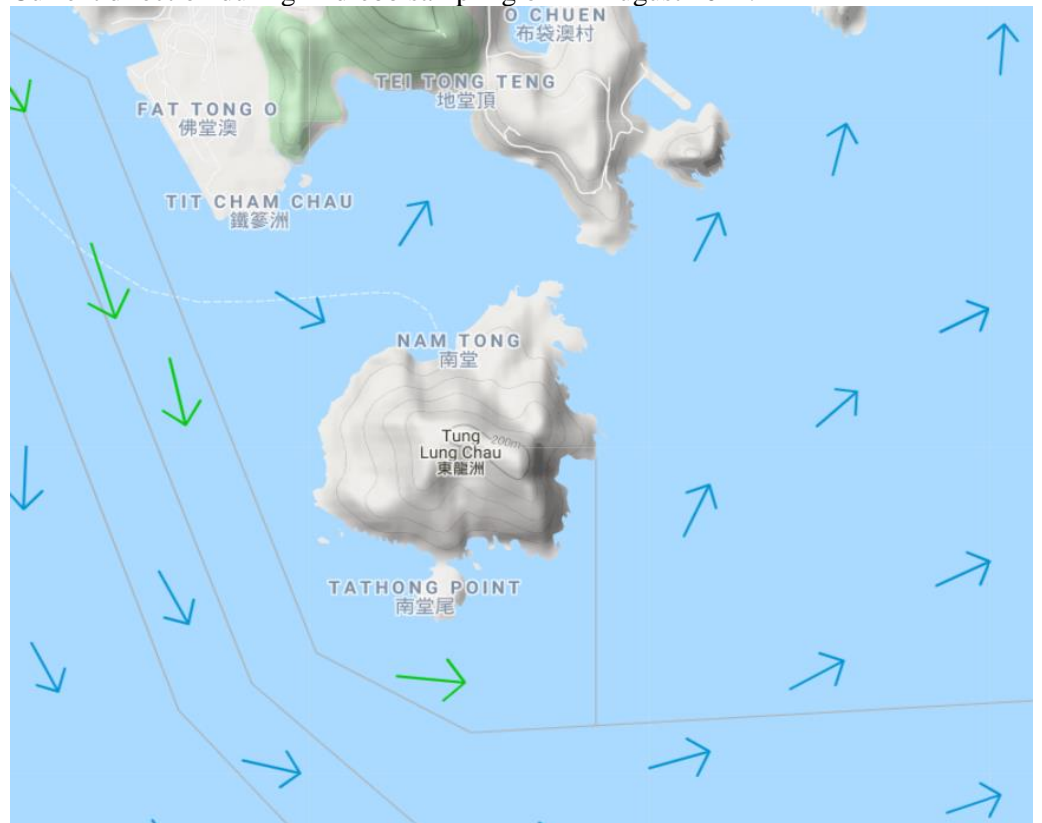
| | |
|--|---|
| | <p>Intake Shaft Area: marine construction activities, namely 1) pipe piling of 610mm Ø on temporary working platform (0800 – 1900 hrs); 2) lifting of 610mm Ø pipe piles (0800 – 1900 hrs)</p> <p>Marine construction activities with contact with water: 1) pipe piling of 610mm Ø on temporary working platform</p> <p>Marine vessels on 24 August 2021:</p> <ul style="list-style-type: none">• 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) <p>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.</p> <p>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.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 24 August 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 24 August 2021.</p> |
|--|---|

Remarks

Current direction during mid-flood sampling on 24 August 2021



Current direction during mid-ebb sampling on 24 August 2021:



| Legend | | | |
|--------------|---|---------------|---|
| Speed (knot) | → | Speed (knot) | → |
| 0-0.5 | → | 1.5-2.0 | → |
| 0.5-1.0 | → | 2.0-2.5 | → |
| 1.0-1.5 | → | 2.5 and above | → |

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

Supporting Photo 1 (Sea Conditions at WSR2)



Supporting Photo 2 (Sea Conditions at WSR3)



Supporting Photo 3 (Sea Conditions at WSR4)



Supporting Photo 4 (Sea Conditions at WSR33)



Supporting Photo 5 (Sea Conditions at WSR36)



Supporting Photo 6 (Sea Conditions at WSR37)



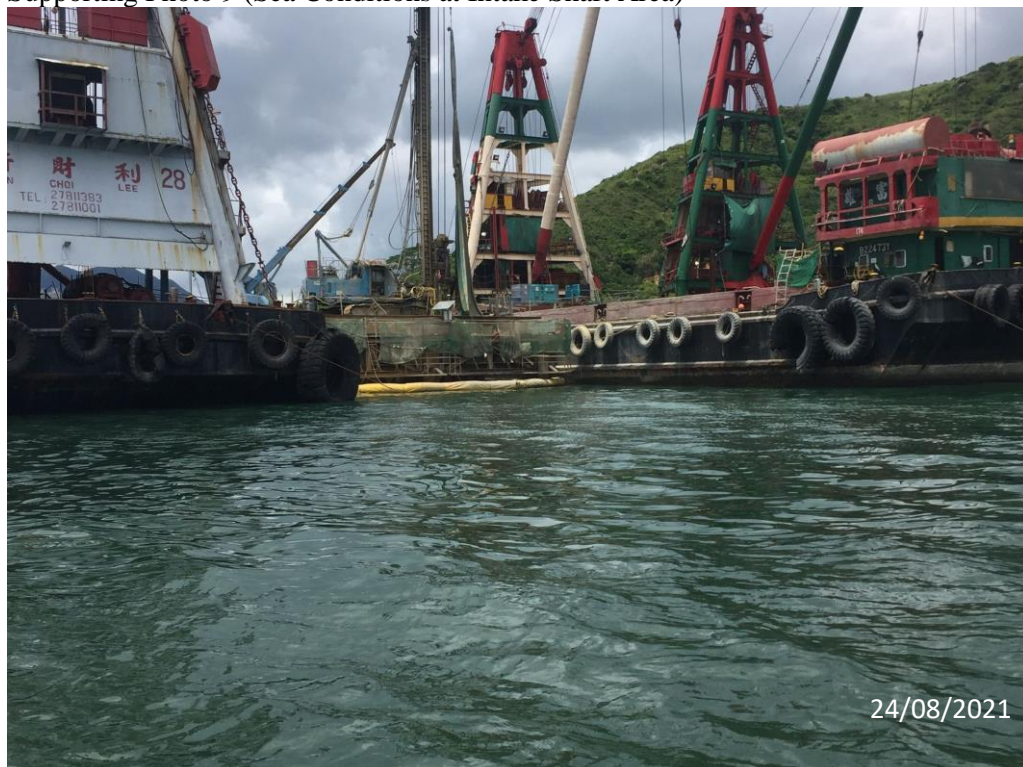
Supporting Photo 7 (Sea Conditions at CE)



Supporting Photo 8 (Sea Conditions at CF)



Supporting Photo 9 (Sea Conditions at Intake Shaft Area)

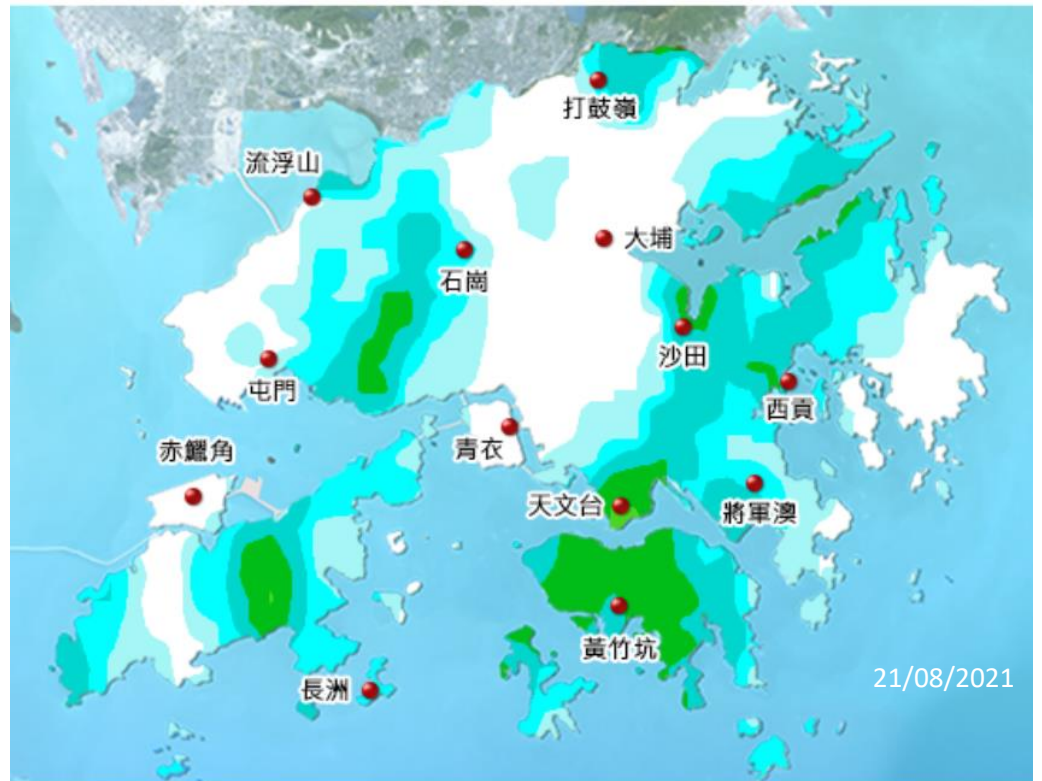


Supporting Photo 10 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 11 (Accumulative Rainfall on 24/08/2021)

2021年8月24日的總雨量 (基於雨量計及雷達數據)



Prepared by Charlene Lai

Date 14 September 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 | | |
| | | | |
| 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 | Control Stations | Impact Station(s) without Exceedance |
| | 7.7 mg/L (WSR 2) 6.5 mg/L (WSR 4) 7.7 mg/L (WSR 16) 8.2 mg/L (WSR33) 8.3 mg/L (WSR36) 8.8 mg/L (WSR 37) | 5.2 mg/L (CF) 6.0 mg/L (CE) | 4.8 mg/L (WSR 1) 5.5 mg/L (WSR 3) |
| Possible reason for Action or Limit Level Non-compliance | <p>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)</p> <p>Intake Shaft Area: marine construction activities, namely 1) One derrick barge helping demobilization of piling rig and 5.5T lifting crane (0800 – 1900 hrs); 2) One derrick barge for material lifting and welding work (0800 – 1900 hrs); 3) One derrick barge helping demobilization of material (0800 -1600 hrs); One derrick barge being towed to Outfall area (1600 - 1800 hrs)</p> <p>Marine construction activities with contact with water: N/A</p> <p>Marine vessels on 26 August 2021:</p> <ul style="list-style-type: none"> • 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) | | |

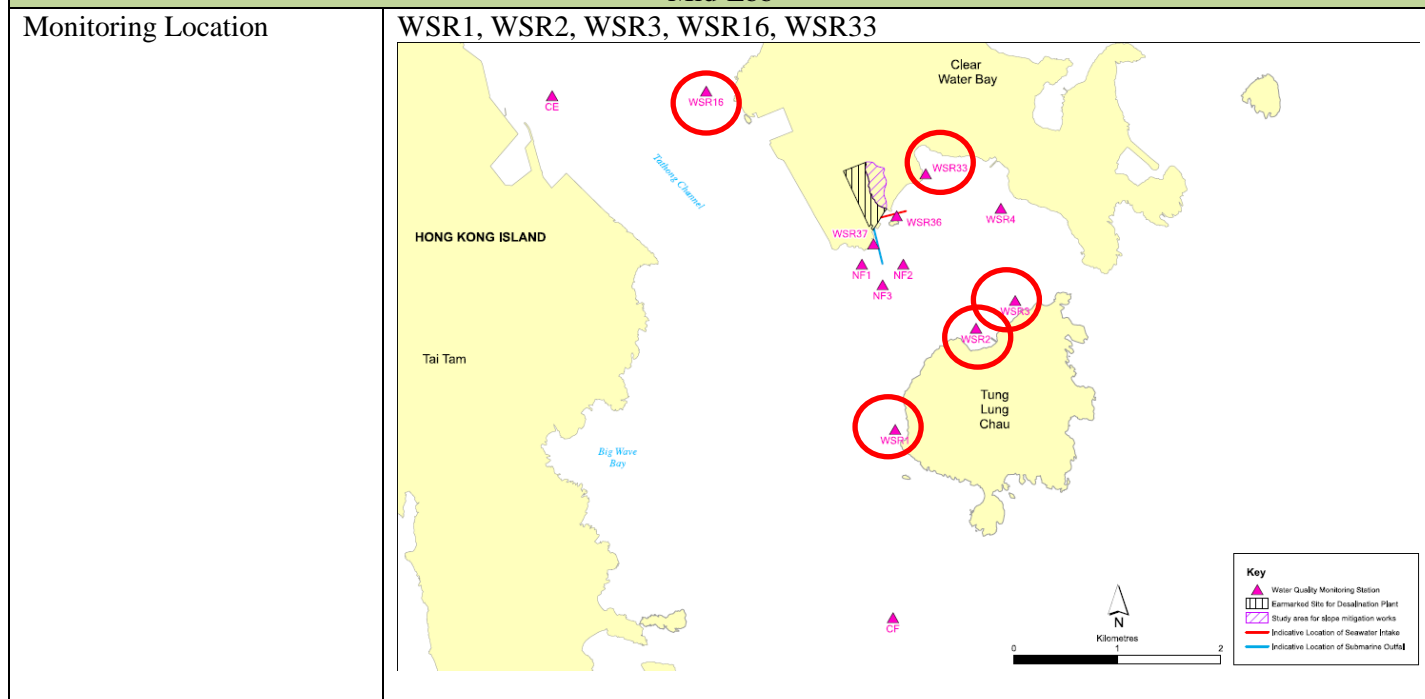
Dominating sea current direction was found to be from Southeast to Northwest at waters to the west side of Tit Cham Chau; and from Northeast to Southwest at waters to the east side of Tit Cham Chau.

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 barges. Hence the SS exceedance at WSR36 (8.3 mg/L) at Intake Shaft and WSR37 (8.8 mg/L) at Outfall Shaft may be caused by other natural factors. WSR 2 and WSR16 was located distant from the construction site and the possibility of being affected by marine construction activities was low. The SS levels at WSR2 (7.7 mg/L) and WSR16 (7.7 mg/L) were however similar to WSR36 and WSR37. WSR33 was located upstream, but the SS level was similar to WSR36. The SS level of an upstream station, WSR4 (6.5 mg/L) was also similar to that of the background level at CE (6.0 mg/L). 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.

Mid-Ebb

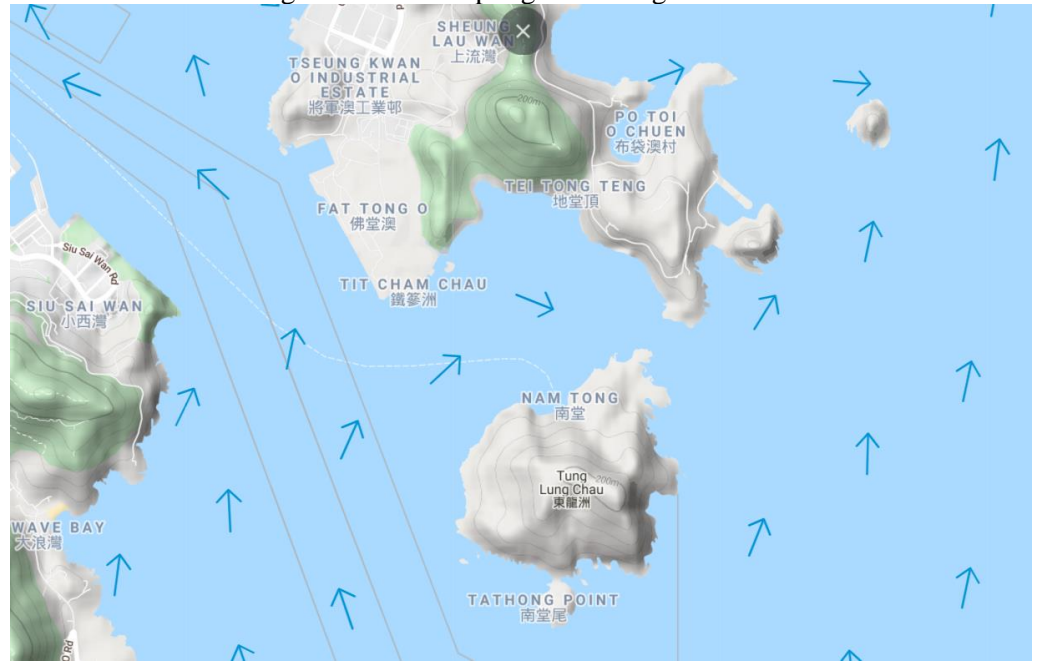


| | | | |
|-----------------------|--|--------------------------------|---|
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 8.0 mg/L | | > 8.7 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without 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) | 7.7 mg/L (WSR4) 5.8 mg/L (WSR36) 7.7 mg/L (WSR37) |

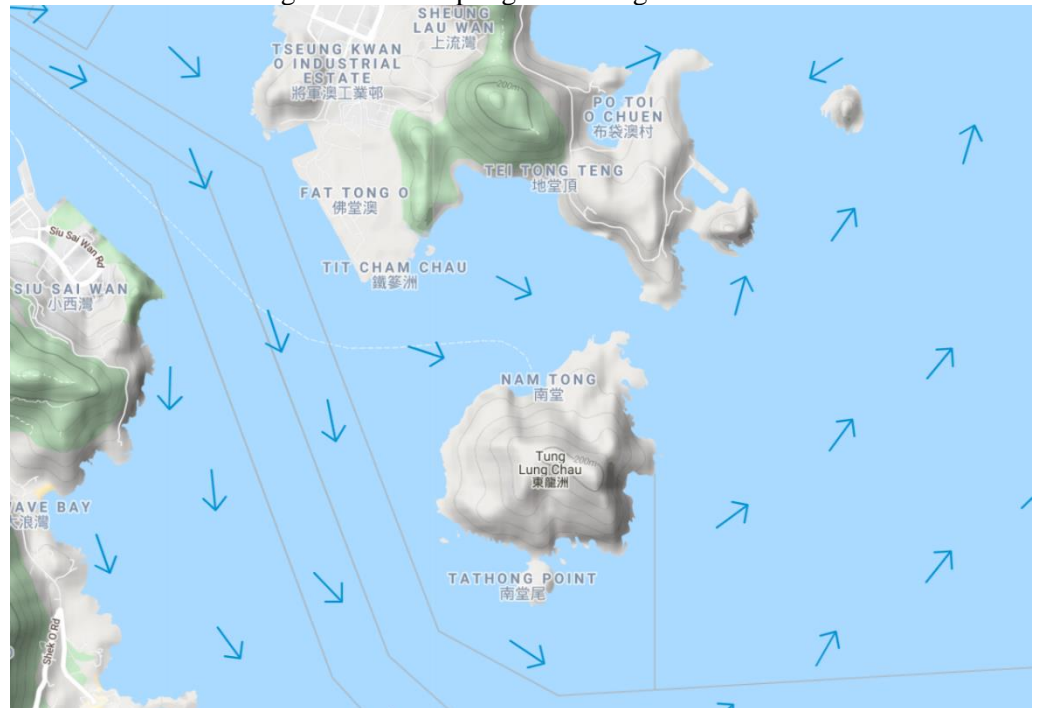
| | |
|---|---|
| <p>Possible reason for Action or Limit Level Non-compliance</p> | <p>Outfall Shaft Area: 1) Preparation of silt curtain insider the hopper of one derrick barge (0800 – 1200 hrs); 2) Supported the drill rig setting up work on caisson platform (1200 – 1900 hrs)</p> <p>Intake Shaft Area: marine construction activities, namely 1) One derrick barge helping demobilization of piling rig and 5.5T lifting crane (0800 – 1900 hrs); 2) One derrick barge for material lifting and welding work (0800 – 1900 hrs); 3) One derrick barge helping demobilization of material (0800 -1600 hrs); One derrick barge being towed to Outfall area (1600 - 1800 hrs)</p> <p>Marine construction activities with contact with water: N/A</p> <p>Marine vessels on 26 August 2021:</p> <ul style="list-style-type: none"> • 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) <p>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.</p> <p>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).</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 26 August 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 26 August 2021.</p> |
|---|---|

Remarks

Current direction during mid-flood sampling on 26 August 2021



Current direction during mid-ebb sampling on 26 August 2021:



| Legend | |
|--------------|---------------|
| Speed (knot) | Speed (knot) |
| 0-0.5 | 1.5-2.0 |
| 0.5-1.0 | 2.0-2.5 |
| 1.0-1.5 | 2.5 and above |

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

Supporting Photo 1 (Sea Conditions at WSR1)



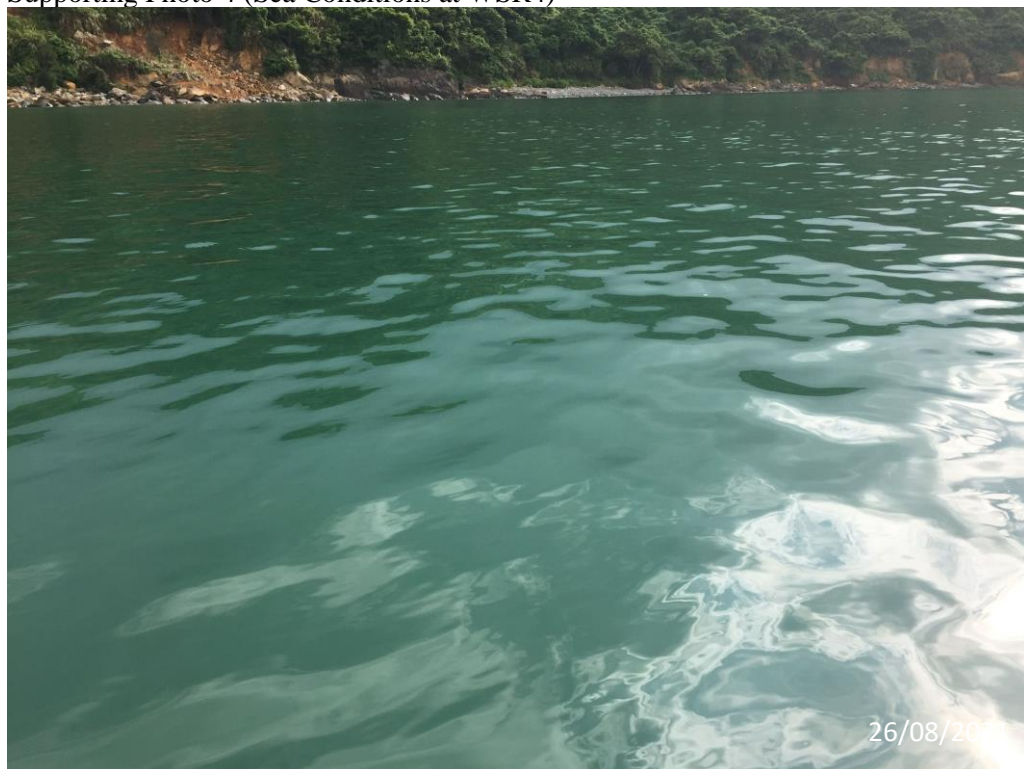
Supporting Photo 2 (Sea Conditions at WSR2)



Supporting Photo 3 (Sea Conditions at WSR3)



Supporting Photo 4 (Sea Conditions at WSR4)



Supporting Photo 5 (Sea Conditions at WSR16)



Supporting Photo 6 (Sea Conditions at WSR33)



Supporting Photo 7 (Sea Conditions at WSR36)



Supporting Photo 8 (Sea Conditions at WSR37)



Supporting Photo 9 (Sea Conditions at CE)



Supporting Photo 10 (Sea Conditions at CF)



Supporting Photo 11 (Sea Conditions at Intake Shaft Area)

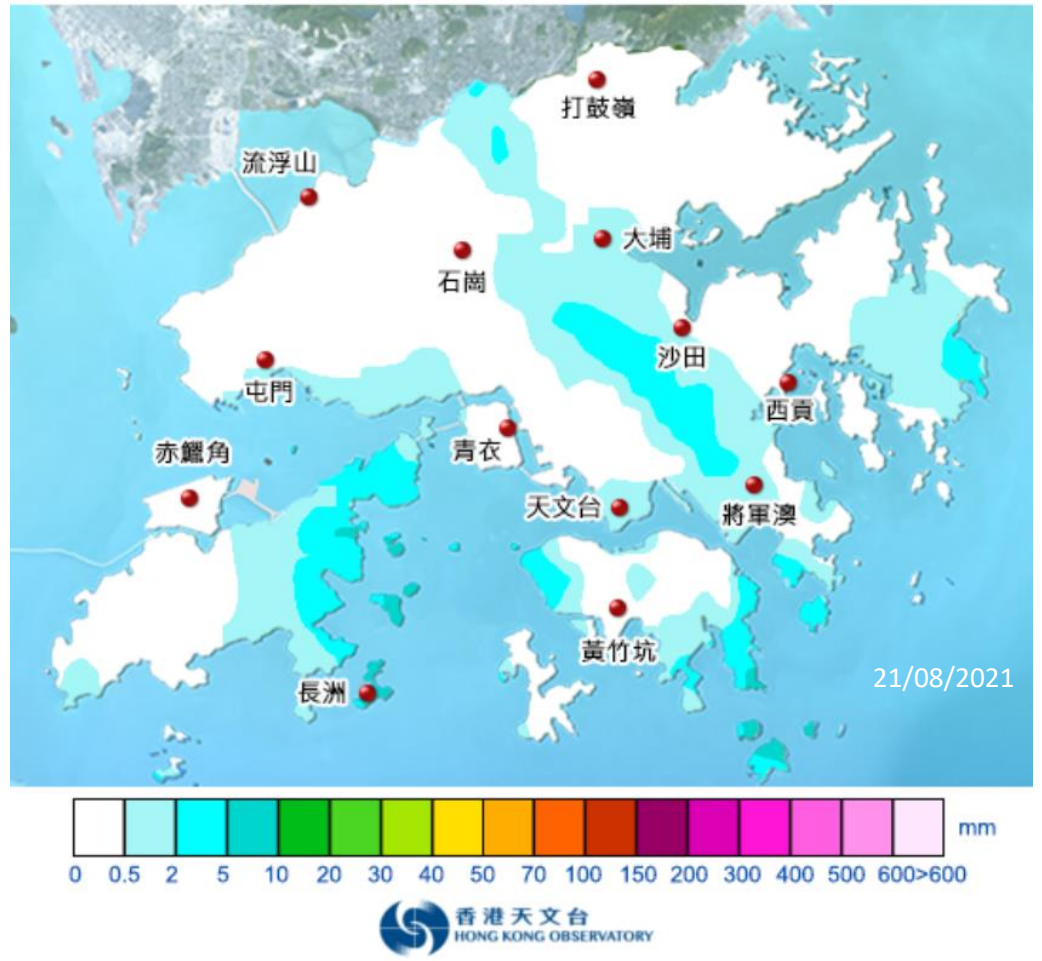


Supporting Photo 12 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 13 (Accumulative Rainfall on 26/08/2021)

2021年8月26日的總雨量 (基於雨量計及雷達數據)



Prepared by Charlene Lai

Date 10 September 2021

Incident Report on Action Level or Limit Level Non-Compliance

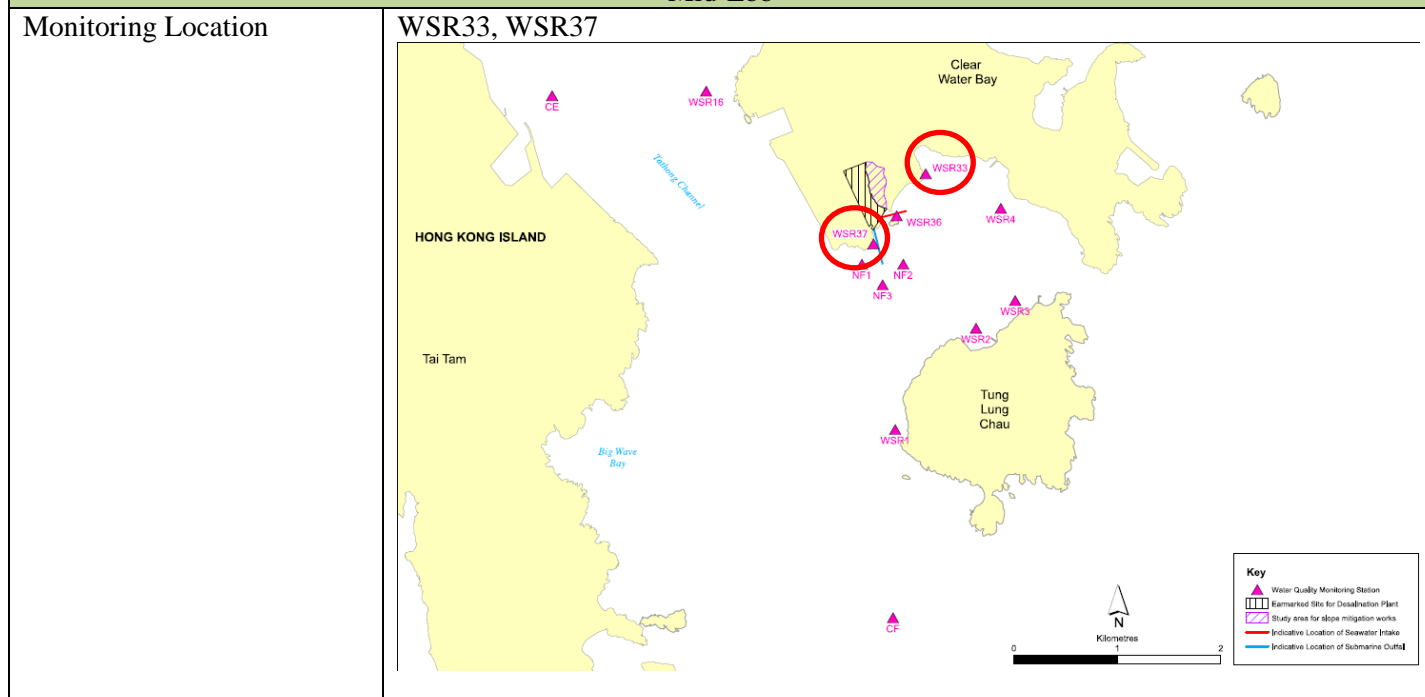
| | | | |
|--|--|--------------------------------|--|
| Project | Design, Build and Operate First Stage of Tseung Kwan O Desalination Plant | | |
| Date | 28 August 2021 (Lab result received on 03 September 2021) | | |
| Time | 08:00-11:28 (Mid-Flood) and 13:57-17:27 (Mid-Ebb) | | |
| Mid-Flood | | | |
| Monitoring Location | WSR2, WSR33, WSR36 | | |
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 6.0 mg/L | | > 6.5 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | Impact Station(s) without Exceedance |
| | 6.8 mg/L (WSR 2) 7.7 mg/L (WSR33) 6.2 mg/L (WSR36) | 5.0 mg/L (CF) 3.3 mg/L (CE) | 4.3 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 | <p>Outfall Shaft Area: 1) One derrick barge for material transport (0800 – 1800 hrs); 2) One derrick barge supported the drill rig setting up work on caisson platform (0800 – 1800 hrs); 3) One derrick barge supported material lifting and pile casing welding work (0800 – 1800 hrs)</p> <p>Intake Shaft Area: marine construction activities, namely 1) One derrick barge for material lifting and welding work on sheet piles (0800 – 1800 hrs)</p> <p>Marine construction activities with contact with water: N/A</p> <p>Marine vessels on 28 August 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 1; tug boat x 1 (Intake Shaft) • Derrick barge x 3, anchor boat x 1 (Outfall Shaft) <p>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.</p> | | |

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).

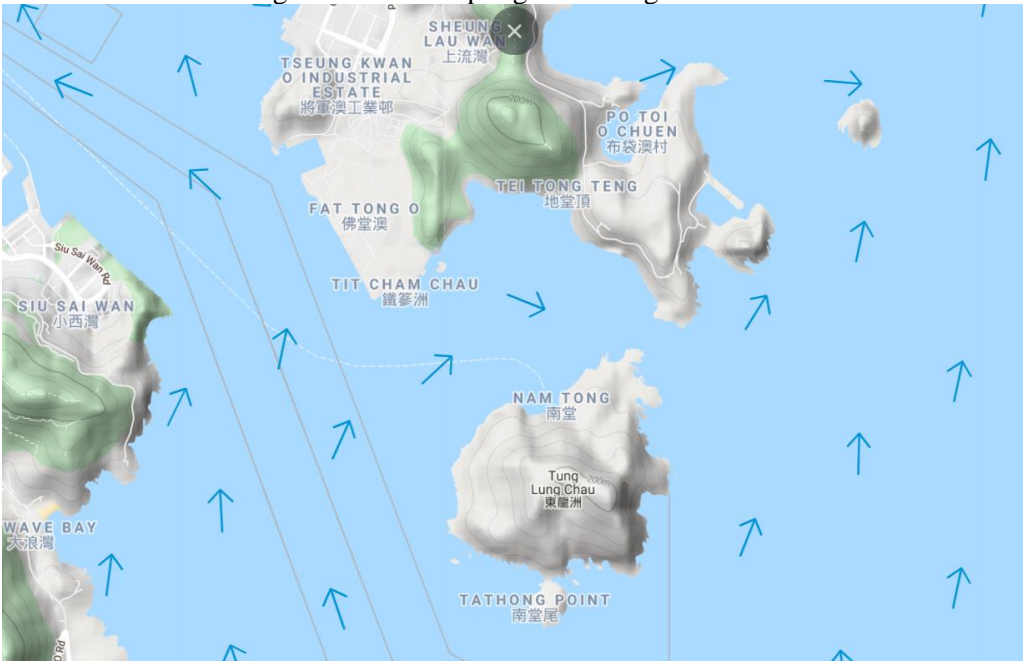
According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 28 August 2021.

Conditions of the protective silt curtain at the inland water outfall was satisfactory on 28 August 2021.

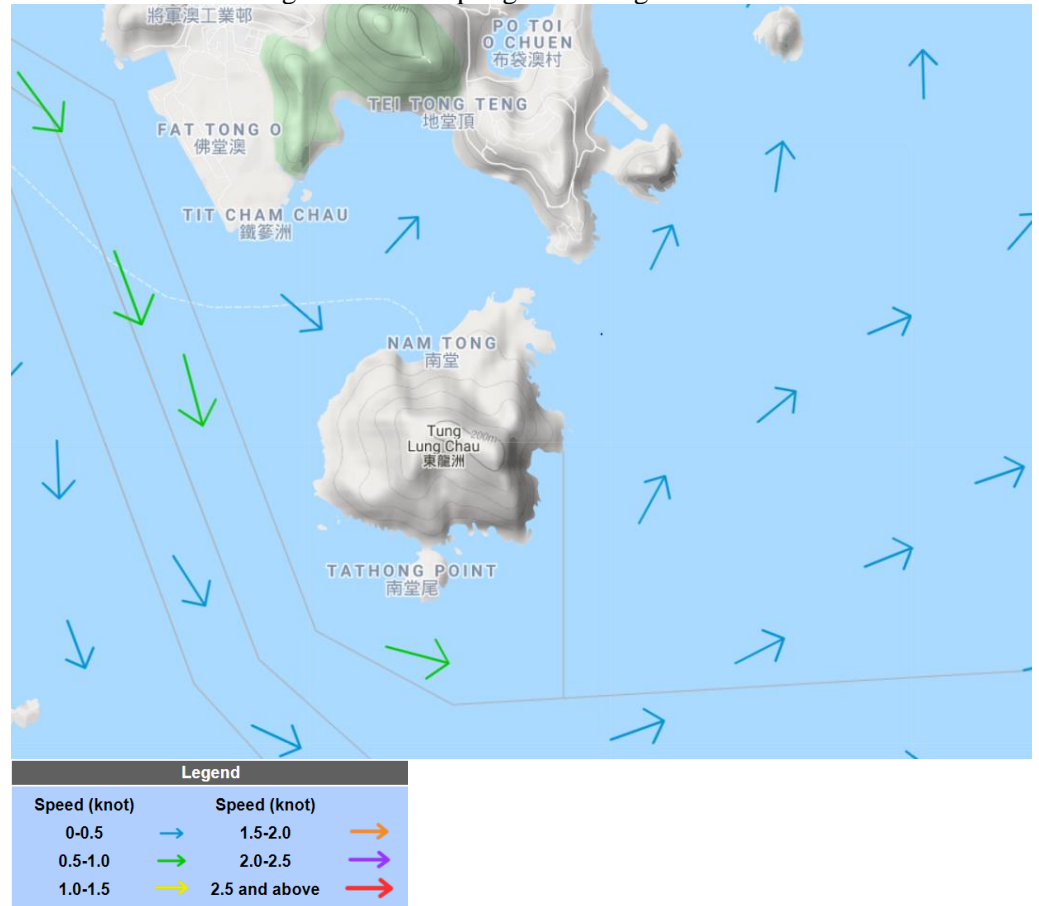
Mid-Ebb



| | | | |
|---|--|--------------------------------|--|
| Parameter | Suspended Solid (SS) | | |
| Action & Limit Levels | Action Level | | Limit Level |
| | > 6.0 mg/L | | > 6.5 mg/L |
| Measurement Level | Impact Station(s) of Exceedance | Control Stations | 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 | <p>Outfall Shaft Area: 1) One derrick barge for material transport (0800 – 1800 hrs); 2) One derrick barge supported the drill rig setting up work on caisson platform (0800 – 1800 hrs); 3) One derrick barge supported material lifting and pile casing welding work (0800 – 1800 hrs)</p> <p>Intake Shaft Area: marine construction activities, namely 1) One derrick barge for material lifting and welding work on sheet piles (0800 – 1800 hrs)</p> <p>Marine construction activities with contact with water: N/A</p> | | |

| | |
|----------------|---|
| | <p>Marine vessels on 28 August 2021:</p> <ul style="list-style-type: none"> • Derrick barge x 1; tug boat x 1 (Intake Shaft) • Derrick barge x 3, anchor boat x 1 (Outfall Shaft) <p>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.</p> <p>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).</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site on 28 August 2021.</p> <p>Conditions of the protective silt curtain at the inland water outfall was satisfactory on 28 August 2021.</p> |
| <p>Remarks</p> | <p>Current direction during mid-flood sampling on 28 August 2021</p>  |

Current direction during mid-ebb sampling on 28 August 2021:



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

Supporting Photo 1 (Sea Conditions at WSR2)



Supporting Photo 2 (Sea Conditions at WSR33)



Supporting Photo 3 (Sea Conditions at WSR36)



Supporting Photo 4 (Sea Conditions at WSR37)



Supporting Photo 5 (Sea Conditions at CF)



Supporting Photo 6 (Sea Conditions at CE)



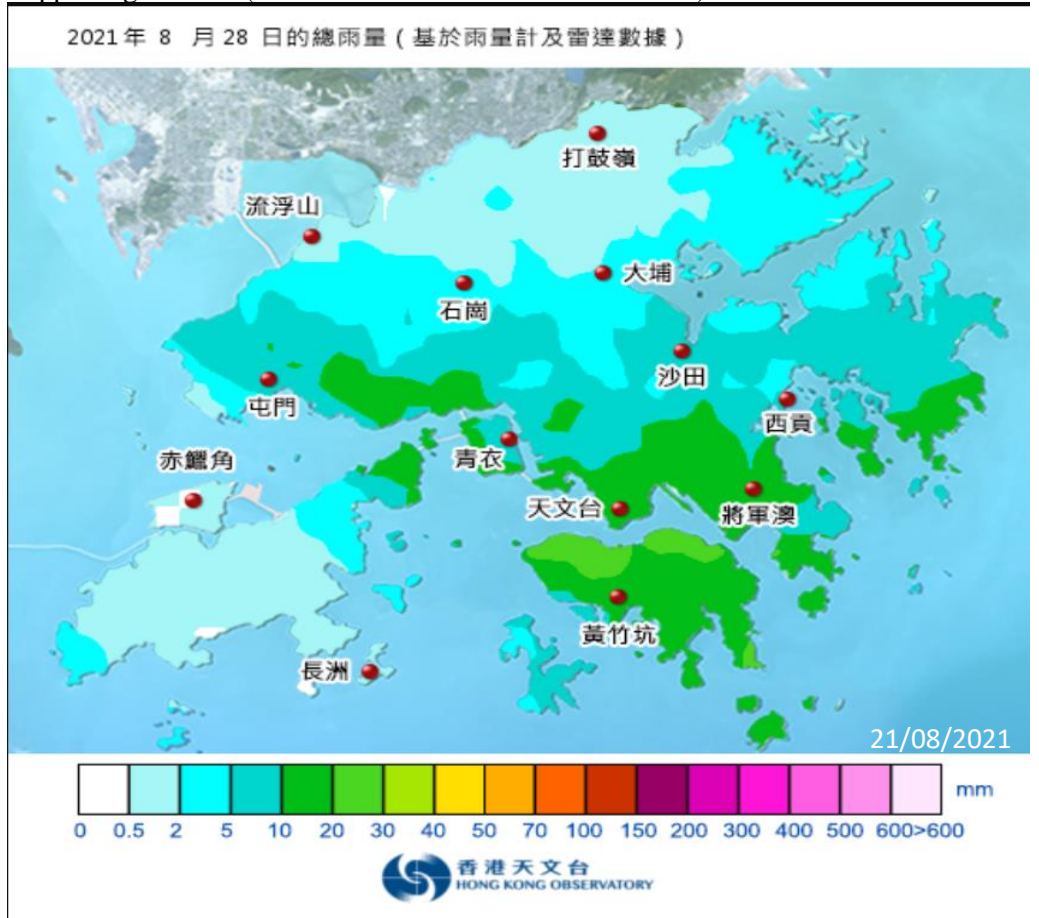
Supporting Photo 7 (Sea Conditions at Intake Shaft Area)



Supporting Photo 8 (Sea Conditions at Outfall Shaft Area)



Supporting Photo 9 (Accumulative Rainfall on 28/08/2021)



Prepared by Charlene Lai

Date 09 September 2021