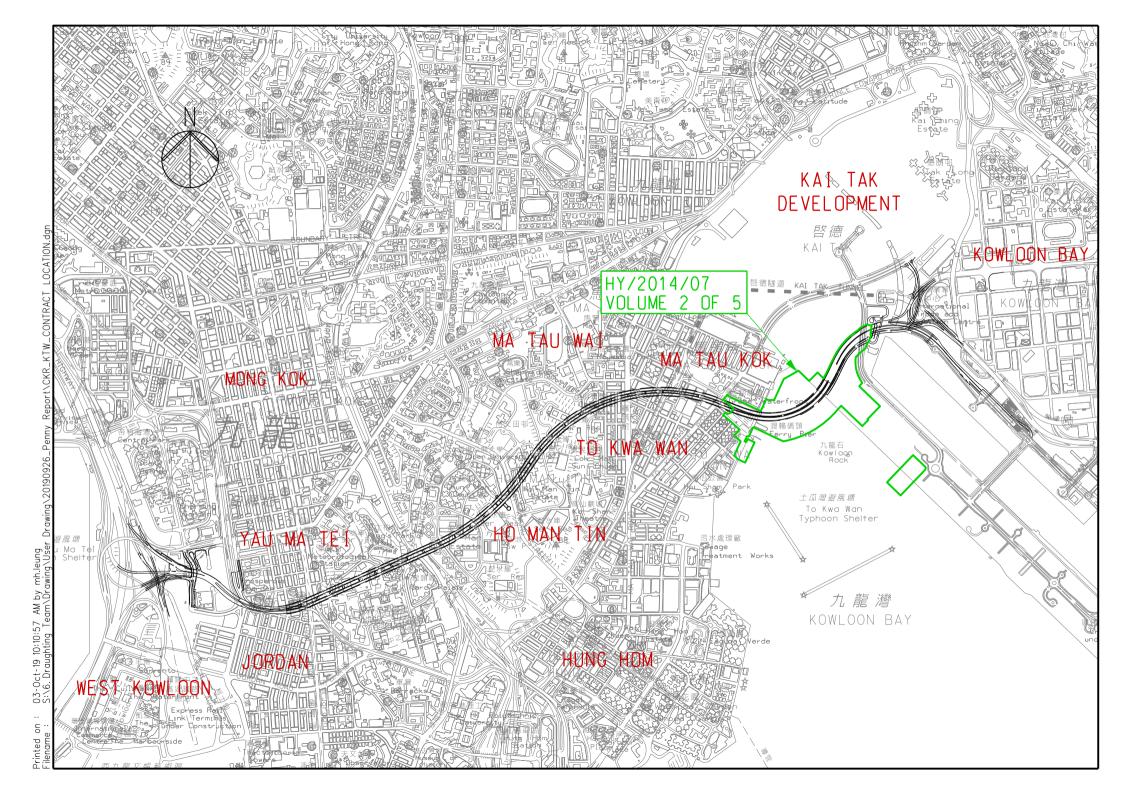
Vol. 2 of 5 FEP-01/457/2013/C Central Kowloon Route Kai Tak West Contract No. HY/2014/07 October 2020







11 November 2020

Environmental Permit No. EP-457/2013/C

Central Kowloon Route

Independent Environmental Checker Verification

Kai Tak West (HY/2014/07)

| Troing Contract. | 1tti 1tti (111/201407) |
|--|--|
| | |
| Reference Document/Plan | |
| Document/ Plan to be Certified / Verified: | Monthly EM&A Report No.31 (September 2020) |
| Date of Report: | November 2020 (Rev. 0) |
| Date received by IEC: | 11 November 2020 |

Reference EP Condition

Works Contract

Environmental Permit Condition: 3.4

Submission of Monthly EM&A Report of the Project

3.4 Four hard copies and one electronic copy of monthly EM&A Report shall be submitted to the Director within 2 weeks after the end of each reporting month throughout the entire construction period. The EM&A Reports shall include a summary of all non-compliance. The submissions shall be certified by the ET Leader and verified by the IEC as complying with the requirements as set out in the EM&A Manual before submission to the Director. Additional copies of the submission shall be provided to the Director upon request by the Director.

IEC Verification

Astomoly 20.

I hereby verify that the above referenced document/ $\frac{1}{plan}$ complies with the above referenced condition of EP-457/2013/C and FEP-01/457/2013/C.

Ms Mandy To Date:

Independent Environmental Checker

Our ref: 0436942_IEC Verification Cert_KTW_Monthly EM&A Rpt No.31.docx



Gammon Construction Limited

Central Kowloon Route

Works Contract HY/2014/07 – Central Kowloon Route – Kai Tak West

Monthly EM&A Report for October 2020

[November 2020]

| 9 | Name | Signature |
|---------------------------------|-----------|-----------|
| Prepared & Checked: | Ray Cheng | A) |
| Reviewed, Approved & Certified: | Y T Tang | Contidis |

| Version: 0 | Date: | 11 | November 2020 |
|------------|-------|----|---------------|
| | | | |

Disclaimer

This Environmental Monitoring and Audit Report is prepared for Gammon Construction Limited and is given for its sole benefit in relation to and pursuant to Contract HY/2014/07 and may not be disclosed to, quoted to or relied upon by any person other than Gammon Construction Limited without our prior written consent. No person (other than Gammon Construction Limited into whose possession a copy of this report comes may rely on this plan without our express written consent and Gammon Construction Limited may not rely on it for any purpose other than as described above.

AECOM Asia Co. Ltd.

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EXECUTIVE SUMMARY

Central Kowloon Route – Kai Tak West (CKR-KTW; Contract No. HY/2014/07) (hereafter called "the Project") covers part of the construction of the Central Kowloon Route (CKR).

The Project comprises the follow works:

- 50x30m access shaft with noise enclosure at Ma Tau Kok (MTK):
- 100m long cut-and-cover (C&C) tunnel at MTK;
- Demolition and re-provisioning of MTK Public Pier;
- 160m long underwater tunnel (UWT) (Stage 1):
- 210m long UWT (Stage 2);
- 60m long C&C tunnel at Kai Tak;
- 130m long depressed road and 200m long underpass at Kai Tak;
- 390m long underground tunnel ventilation adit at Kai Tak;
- Seawall demolition and construction of new landing steps; and
- Barging Point enclosure and conveyor system.

The EM&A programme commenced on 4 April 2018. The impact EM&A for the Project includes air quality, noise and water quality monitoring.

This is the thirty-first monthly EM&A Report presenting the EM&A works carried out during the period between 1 and 31 October 2020. As informed by the Contractor, major activities in the reporting period were:

| Locations | Site Activities | | | |
|---------------|---|--|--|--|
| Kai Tak | Casting tunnel wall at underpass and ventilation adit; | | | |
| | Base slab and wall, roof slab construction at underpass and depressed road; | | | |
| | Backfilling at underpass | | | |
| | Removal of ELS at underpass and depressed road; | | | |
| | Falsework erection at underpass, depressed road and cut & cover tunnel. | | | |
| Ma Tau Kok | TTM implementation; | | | |
| | Pipe piling works for cut and cover tunnel; | | | |
| | Rock Excavation; | | | |
| | Shotcreting at the Access Shaft; | | | |
| | Fresh water pipe installation works; | | | |
| | Constrcution of MTK east wall and traffic deck; | | | |
| | Steel post and roof panel installation at Covered Walkway. | | | |
| Kowloon Bay | Concrete packing between wailing and CPP Wall; | | | |
| | Roof slab and base slab construction; | | | |
| | Waterproofing application; | | | |
| | Removal of gas pipe line. | | | |
| Barging Point | Barging point operation (Spoil Disposal). | | | |

Breaches of Action and Limit Levels for Air Quality

All 24-hour TSP result was below the Action and Limit Levels at all monitoring locations in the reporting month.

All 1-hour TSP result was below the Action and Limit Levels at all monitoring locations in the reporting month.

Breaches of Action and Limit Levels for Noise

Three (3) noise-related complaints were received in the reporting month. Based on the investigation result from finalized investigation reports, proper implementation of mitigation measures for noise conducted by the Contractor during daytime and restricted hours and comply with the condition of approved Construction Noise Mitigation Measures Plan and valid Construction Noise Permit. Also, there is no non-compliance recorded based on compliance check of PMEs and noise monitoring results.

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Therefore, three action levels of construction noise were triggered, and the investigation reports were finalized on 3, 9 and 11 November 2020 respectively.

Regular Noise Monitoring

No Limit Level exceedance of noise was recorded at the monitoring stations in the reporting month.

Breaches of Action and Limit Levels for Water

After received the remaining laboratory results of Copper and Total PAHs in September 2020, no unreported Action level and Limit level exceedance was recorded for both parameters.

Based on the findings from the completed IRs on 21, 23, 25 and 28 September 2020, the exceedances were unrelated to the Project.

No Action level and Limit level exceedance were recorded at measured DO in reporting month and Total PAHs until 21 October 2020.

Eleven (11) Action Level and three (3) Limit level exceedances were recorded at measured Turbidity level in the reporting month.

Four (4) Action Level and six (6) Limit Level exceedances were recorded at measured Suspended Solids level in the reporting month.

Three (3) Action Level and two (2) Limit Level exceedances were recorded at measured Copper Level until 21 October 2020.

Some of laboratory results of Copper and Total PAHs in October 2020 were in progress, the exceedance summary for those parameters will be reported in next reporting period.

Based on the findings from the completed IRs on 5, 7 and 10 October 2020, the exceedances were unrelated to the Project.

Except for the exceedances on 12, 14, 19, 21, 28 and 30 October 2020, where the investigation is undergoing, and the investigation results will be presented in the next monthly EM&A report. Nevertheless, the Contractor was reminded to ensure provision of ongoing maintenance to the silt curtains.

Complaint, Notification of Summons and Successful Prosecution

Three (3) complaints in noise (one received by the Highway Department and Gammon Construction Limited which summarized on 28 October 2020 and two received by Environmental Protection Department on 29 October 2020) were all referred by the Contractor on 30 October 2020. Those investigation reports were finalized on 3, 9 and 11 November 2020 respectively.

No environmental related notification of summons and successful prosecution were received in the reporting month.

Reporting Changes

No report changes in the reporting period.

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Future Key Issues

Key issues to be considered in the next three months included:

| Locations | Site Activities |
|---------------|---|
| Kai Tak | Base slab and wall, roof slab construction at cut & cover, underpass and depressed road; Backfilling works and ELS removal at cut & cover, underpass and depressed road; Dismantle of working platform. |
| Ma Tau Kok | TTM implementation; Rock excavation; Pipe piling works for cut and cover tunnel east portion; Fresh water pipe installation works; Constrcution of traffic deck; Covered walkway construction; Relocation of MTK public pier. |
| Kowloon Bay | Backfilling and ELS removal works; Roof slab, base slab and wall construction; Removal of gas pipe line; Waterproofing application; Preparation works for Stage 2 UWT. |
| Barging Point | Barging point operation (Spoil Disposal). |

Potential environmental impacts arising from the above construction activities are mainly associated with construction dust, construction noise, water pollution control, and waste management.

AECOM Asia Co. Ltd. 5 November 2020

1 INTRODUCTION

Gammon Construction Limited was commissioned by the Highways Department as the Civil Contractor for Works Contract HY/2014/07. AECOM Asia Company Limited (AECOM) was appointed by Gammon Construction Limited as the Environmental Team (ET) to undertake the Environmental Monitoring and Audit (EM&A) programme during construction phase of the Project.

1.1 Purpose of the Report

1.1.1 This is the thirty-first monthly EM&A Report which summaries the impact monitoring results and audit findings for the Project during the reporting period between 1 and 31 October 2020.

1.2 Report Structure

- 1.2.1 This monthly EM&A Report is organized as follows:
 - Section 1: Introduction
 - Section 2: Project Information
 - Section 3: Environmental Monitoring Requirement
 - Section 4: Implementation Status of Environmental Mitigation Measures
 - Section 5: Monitoring Results
 - Section 6: Environmental Site Inspection and Audit
 - Section 7: Environmental Non-conformance
 - Section 8: Future Key Issues
 - Section 9: Conclusions and Recommendations

AECOM Asia Co. Ltd. 6 November 2020

2 PROJECT INFORMATION

2.1 Background

- 2.1.1 CKR is a dual 3-lane trunk road across central Kowloon linking the West Kowloon in the west and the Kai Tak Development (KTD) in the east. The CKR will be about 4.7 km long with an underground tunnel section of about 3.9 km long, in particular, there will be an underwater tunnel of about 370 m long in Kowloon Bay to the north of the To Kwa Wan Typhoon Shelter. It will connect the West Kowloon Highway at Yau Ma Tei Interchange with the road network at Kowloon Bay and the future Trunk Road T2 at KTD which will connect to the future Tseung Kwan O Lam Tin Tunnel (TKO-LTT) and Cross Bay Link (CBL). CKR, Trunk Road T2 and TKO-LTT will form a strategic highway link, namely Route 6, connecting West Kowloon and Tseung Kwan O. In addition, 3 ventilation buildings, which will be located in Ya Ma Tei, Ho Man Tin and ex-Kai Tak airport area, are proposed to ensure acceptable air quality within the tunnel.
- 2.1.2 The Environmental Impact Assessment (EIA) Report for Central Kowloon Route (Register No.: AEIAR-171/2013) was approved on 11 July 2013 under the Environmental Impact Assessment Ordinance (EIAO). Following the approval of the EIA Report, an Environmental Permit (EP) for CKR was granted on 9 August 2013 (EP No.: EP- 457/2013) for the construction and operation. Variation of EP (VEP) was subsequently applied and the latest EP (EP No. EP-457/2013/C) was issued by the Director of Environmental Protection (DEP) on 16 January 2017. Further Environmental Permit (EP No. FEP-01/457/2013/C) for CKR Kai Tak West was issued on 28 February 2018.
- 2.1.3 The construction of the CKR had been divided into different sections. This Work Contract HY/2014/07 Kai Tak West (KTW) ("The Project") will include a road which is a trunk road, including new roads, and major extensions or improvements to existing roads; a road fully enclosed by decking above and by structure on the sides for more than 100 m; and reclamation works (including associated dredging works) more than 1 ha in size and a boundary of which is less than 100 m from an existing residential area.
- 2.1.4 The site layout plan of the Project is shown in **Figure 1.1**.

2.2 Site Description

- 2.2.1 The major construction activities under this Project include:
 - (a) construction of approximately 160m long cut-and-cover tunnel and 370m long underwater tunnel between the tunnel section at Ma Tau Kok and the depressed road of the CKR within Kai Tak Development:
 - (b) reconstruction of the seawall at Ma Tau Kok public pier, and the sloping seawall at the Former Kai Tak Airport Runway;
 - (c) construction of approximately 125m long depressed road and 200m long underpass of the CKR within Kai Tak Development;
 - (d) construction of approximately 360m long underground tunnel ventilation adit of the CKR;
 - (e) reconstruction of Kowloon City Ferry Pier Public Transport Interchange; and
 - (f) other associated works.

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2.3 Construction Programme and Activities

2.3.1 The major construction activities undertaken in the reporting month are summarized in **Table 2.1**.

Table 2.1 Construction Activities in the reporting month

| Locations | Site Activities | | | |
|---------------|---|--|--|--|
| Kai Tak | Casting tunnel wall at underpass and ventilation adit; | | | |
| | Base slab and wall, roof slab construction at underpass and depressed road; | | | |
| | Backfilling at underpass | | | |
| | Removal of ELS at underpass and depressed road; | | | |
| | Falsework erection at underpass, depressed road and cut & cover tunnel. | | | |
| Ma Tau Kok | TTM implementation; | | | |
| | Pipe piling works for cut and cover tunnel; | | | |
| | Rock Excavation; | | | |
| | Shotcreting at the Access Shaft; | | | |
| | Fresh water pipe installation works; | | | |
| | Constrcution of MTK east wall and traffic deck; | | | |
| | Steel post and roof panel installation at Covered Walkway. | | | |
| Kowloon Bay | Concrete packing between wailing and CPP Wall; | | | |
| | Roof slab and base slab construction; | | | |
| | Waterproofing application; | | | |
| | Removal of gas pipe line. | | | |
| Barging Point | Barging point operation (Spoil Disposal). | | | |

2.3.2 The construction programme is presented in **Appendix A**.

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2.4 Project Organization

2.4.1 The project organization structure is shown in **Appendix B**. The key personnel contact names and numbers for the Project are summarized in **Table 2.2.**

Table 2.2 Contact Information of Key Personnel

| Party | Role | Position | Name | Telephon e | Fax |
|---|---|---|------------------|---------------|-----------|
| Arup-Mott MacDonald Joint Venture | Residential Engineer (ER) | Engineer's Representative | Mr. Jeffrey Lau | 2268 3640 | 2268 3954 |
| ERM | Independent Environmental Checker (IEC) | Independent Environmental Checker | Ms. Mandy To | 2271 3313 | 2723 5660 |
| Gammon | Contractor | Contracts Manager | Mr. Alan Yan | 2516 8823 | 2516 6260 |
| Gammon | Contractor | Environmental Manager | Ms Michelle Tang | 9267 8866 | 2516 6260 |
| AECOM | Contractor's Environmental Team (ET) | ET Leader | Mr. Y T Tang | 3922 9393 | 2317 7609 |

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2.5 Status of Environmental Licences, Notification and Permits

2.5.1 Relevant environmental licenses, permits and/or notifications on environmental protection for this Project and valid in the reporting month are summarized in **Table 2.3**.

Table 2.3 Status of Environmental Licenses, Notifications and Permits

| Permit / License No. | Valid Period | | • | | | |
|---|------------------|-------------------|-------------------------------|--|--|--|
| / Notification/ Reference No. | From | То | Status | Remarks | | |
| Further Environmental Permit | | | | | | |
| FEP-01/457/2013/C | 28 Feb 2018 | End of Project | Valid | | | |
| Wastewater Discharge | e License | | | | | |
| WT00030290-2018 | 22 Mar 2018 | 31 May 2023 | Valid | Ma Tau Kok | | |
| WT00030668-2018 | 27 Apr 2018 | 30 Apr 2023 | Valid | Site Office at Kai Tak West | | |
| WT00030358-2018 | 27 Apr 2018 | 30 Apr 2023 | Valid | Kai Tak West | | |
| WT00030333-2018 | 27 Apr 2018 | 30 Apr 2023 | Valid | Barging Point at Portions 4B & 4C | | |
| WT00030330-2018 | 27 Apr 2018 | 30 Apr 2023 | Valid | Kowloon Bay | | |
| Construction Noise Po | ermit | | | | | |
| GW-RE0709-20 | 27 Aug 2020 | 26 Feb 2021 | Valid | Barging Point Operation at Kai Tak Barging Point | | |
| GW-RE0603-20 | 4 Aug 2020 | 3 Nov 2020 | Valid | Rock Breaking at Ma Tau Kok | | |
| GW-RE0534-20 | 23 Jun 2020 | 21 Dec 2020 | Superseded by GW-RE0874-20 | General Works at Kai Tak | | |
| GW-RE0874-20 | 20 Oct 2020 | 14 Apr 2021 | Valid on 20 Oct 2020 | General Works at Nai Tak | | |
| GW-RE0478-20 | 13 Jun 2020 | 12 Dec 2020 | Valid | ELS Installation and Excavation at Stage 1 Underwater Tunnel | | |
| GW-RE0761-20 | 1 Oct 2020 | 31 Mar 2021 | Valid on 1 Oct 2020 | Kai Tak Haul Road | | |
| Chemical Waste Prod | ucer Registratio | n | | | | |
| 5118-247-G2347-47 | 30 Jan 2018 | End of Project | Valid | | | |
| 5118-247-G2347-48 | 30 Jan 2018 | End of Project | Valid | 1 | | |
| Marine Dumping Pern | nit | | | | | |
| EP/MD/21-038 | 8 Oct 2020 | 7 Apr 2021 | Valid on 8 Oct 2020 | Sediments requiring Type 1 - Open Sea Disposal | | |
| EP/MD/21-049 | 24 Sep 2020 | 23 Oct 2020 | Valid until 23 Oct 2020 | Sediments requiring Type 1 | | |
| EP/MD/21-063 | 24 Oct 2020 | 23 Nov 2020 | Valid on 24 Oct 2020 | (Dedicated Site) and Type 2 Confined Marine Disposal | | |
| EP/MD/21-056 | 20 Sep 2020 | 19 Oct 2020 | Valid until 19 Oct 2020 | Sediments requiring Type 3 disposal (Filled up by 70%) | | |
| Billing Account for Construction Waste Disposal | | | | | | |
| 7029909 | 22 Jan 2018 | End of Project | Account Active | | | |
| 7031949 | 27 Aug 2020 | 26 Nov 2020 | Account Active | Billing Account for Disposal of Construction Waste (by vessels) | | |
| Notification Under Air | Pollution Contr | ol (Construction | n Dust) Regulation | | | |
| 429442 | 5 Jan 2018 | 5 Jul 2025 | Notified | | | |

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3 ENVIRONMENTAL MONITORING REQUIREMENTS

3.1 Construction Dust Monitoring

Monitoring Requirements

3.1.1 In accordance with the approved EM&A Manual, measurement of 24-hour and 1-hour Total Suspended Particulates (TSP) level at the designated air quality monitoring station is required. Impact 24-hour TSP monitoring should be carried out for at least once every 6 days, and 1-hour TSP monitoring should be done at least 3 times every 6 days while the highest dust impact is expected. The Action and Limit Levels of the air quality monitoring is provided in **Appendix D**.

Monitoring Equipment

- 3.1.2 24-hour TSP air quality monitoring was performed using High Volume Sampler (HVS) located at the designated monitoring station. The HVS meets all the requirements of the EM&A Manual.
- 3.1.3 A portable direct reading dust meter was used to carry out the 1-hour TSP monitoring.
- 3.1.4 Brand and model of the equipment is given in **Table 3.1**.

Table 3.1 Air Quality Monitoring Equipment

| Equipment | Brand and Model |
|---|--|
| High Volume Sampler (24-hour TSP) | Tisch Total Suspended Particulate Mass Flow Controlled High Volume Air Sampler (Model No. TE-5170) |
| Calibration Kit (24-hour TSP) | TISCH Environmental Orifice (Model TE-5025A) |
| Portable direct reading dust meter (1-hour TSP) | Sibata Digital Dust Monitor (Model No. LD-3) |

Monitoring Locations

3.1.5 The monitoring station for construction dust monitoring pertinent to the Project has been identified based on the approved EM&A Manual for the Project. The location of the construction dust monitoring station is summarized in **Table 3.2** and shown in **Figure 3.1**.

Table 3.2 Location of Construction Dust Monitoring Station

| Location | Monitoring Station | Description |
|-----------------------|------------------------------------|----------------|
| E-A14a ^[1] | Block B of Merit Industrial Centre | Rooftop (13/F) |

Note:

Monitoring Methodology

- 3.1.6 24-hour TSP Monitoring
 - (a) The HVS was installed in the vicinity of the air sensitive receivers. The following criteria were considered in the installation of the HVS as far as practicable: -
 - (i) A horizontal platform with appropriate support to secure the sampler against gusty wind was provided.
 - (ii) Two samplers should not be placed less than 2m apart from each other;
 - (iii) The distance between the HVS and any obstacles, such as buildings, was at least twice the height that the obstacle protrudes above the HVS.
 - (iv) A minimum of 2 meters separation from walls, parapets and penthouse for rooftop sampler.

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^[1] The air monitoring station proposed in the EM&A Manual (i.e. Wyler Gardens with ID: E-A14) was not available for impact dust monitoring, therefore impact monitoring was conducted at E-A14a as an alternative which was agreed by the ER, IEC and EPD.

- A minimum of 2 meters separation from any supporting structure, measured horizontally is required.
- (vi) No furnace or incinerator flues nearby.
- (vii) Airflow around the sampler was unrestricted.
- (viii) The sampler was located more than 20 meters from any dripline.
- (ix) Any wire fence and gate, required to protect the sampler, did not obstruct the monitoring process.
- (x) Permission was obtained to set up the samplers and access to the monitoring station.
- (xi) A secured supply of electricity was obtained to operate the sampler.

(b) Preparation of Filter Papers

- (i) Glass fibre filters, G810 were labelled and sufficient filters that were clean and without pinholes were selected.
- (ii) All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than ±3 °C; the relative humidity (RH) was < 50% and not variable by more than ±5%. A convenient working RH was 40%.
- (iii) All filter papers were prepared and analysed by ALS Technichem (HK) Pty Ltd., which is a HOKLAS accredited laboratory and has comprehensive quality assurance and quality control programmes.

(c) Field Monitoring

- (i) The power supply was checked to ensure the HVS works properly.
- (ii) The filter holder and the area surrounding the filter were cleaned.
- (iii) The filter holder was removed by loosening the four bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully.
- (iv) The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter.
- (v) The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied was sufficient to avoid air leakage at the edges.
- (vi) Then the shelter lid was closed and was secured with the aluminium strip.
- (vii) The HVS was warmed-up for about 5 minutes to establish run-temperature conditions.
- (viii) A new flow rate record sheet was set into the flow recorder.
- On site temperature and atmospheric pressure readings were taken and the flow rate of the HVS was checked and adjusted at around 1.3 m³/min, and complied with the range specified in the EM&A Manual (i.e. 0.6-1.7 m³/min).
- (x) The programmable digital timer was set for a sampling period of 24 hrs, and the starting time, weather condition and the filter number were recorded.
- (xi) The initial elapsed time was recorded.
- (xii) At the end of sampling, on site temperature and atmospheric pressure readings were taken and the final flow rate of the HVS was checked and recorded.
- (xiii) The final elapsed time was recorded.
- (xiv) The sampled filter was removed carefully and folded in half length so that only surfaces with collected particulate matter were in contact.
- (xv) It was then placed in a clean envelope and sealed.
- (xvi) All monitoring information was recorded on a standard data sheet.
- (xvii) Filters were then sent to ALS Technichem (HK) Pty Ltd. for analysis.

(d) Maintenance and Calibration

- (i) The HVS and its accessories were maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.
- (ii) HVSs were calibrated using TE-5025A Calibration Kit upon installation and thereafter at bi-monthly intervals.
- (iii) Calibration certificate of the TE-5025A Calibration Kit and the HVSs are provided in **Appendix E**.

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3.1.7 1-hour TSP Monitoring

(a) Measuring Procedures

The measuring procedures of the 1-hour dust meter are in accordance with the Manufacturer's Instruction Manual as follows:

- (i) Turn the power on.
- (ii) Close the air collecting opening cover.
- (iii) Push the "TIME SETTING" switch to [BG]
- (iv) Push "START/STOP" switch to perform background measurement for 6 seconds.
- (v) Turn the knob at SENSI ADJ position to insert the light scattering plate.
- (vi) Leave the equipment for 1 minute upon "SPAN CHECK" is indicated in the display.
- (vii) Push "START/STOP" switch to perform automatic sensitivity adjustment. This measurement takes 1 minute.
- (viii) Pull out the knob and return it to MEASURE position.
- (ix) Push the "TIME SETTING" switch the time set in the display to 3 hours.
- (x) Lower down the air collection opening cover.
- (xi) Push "START/STOP" switch to start measurement.

(b) Maintenance and Calibration

(i) The 1-hour TSP meter was calibrated at 1-year intervals against a continuous particulate TEOM Monitor, Series 1400ab. Calibration certificates of the Laser Dust Monitors are provided in **Appendix E**.

Monitoring Schedule for the Reporting Month

3.1.8 The schedule for environmental monitoring in October 2020 is provided in **Appendix F**.

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3.2 Construction Noise Monitoring

Monitoring Requirements

3.2.1 In accordance with the EM&A Manual, impact noise monitoring should be conducted for at least once a week during the construction phase of the Project. **Table 3.3** summarizes the monitoring parameters, frequency and duration of impact noise monitoring. The Action and Limit Levels of the noise monitoring is provided in **Appendix D**.

Table 3.3 Noise Monitoring Parameters, Frequency and Duration

| Parameter and Duration | Frequency |
|--|------------------------|
| 30-mins measurement at each monitoring station between 0700 and 1900 on normal weekdays. Leq, L10 and L90 would be recorded. | At least once per week |

Monitoring Equipment

3.2.2 Noise monitoring was performed using sound level meter at each designated monitoring station. The sound level meters deployed comply with the International Electrotechnical Commission Publications (IEC) 651:1979 (Type 1) and 804:1985 (Type 1) specifications. Acoustic calibrator was deployed to check the sound level meters at a known sound pressure level. Brand and model of the equipment is given in **Table 3.4**.

Table 3.4 Noise Monitoring Equipment for Regular Noise Monitoring

| Equipment | Brand and Model |
|------------------------------|-------------------------------|
| Integrated Sound Level Meter | B&K (Model No. 2250-L & 2238) |
| Acoustic Calibrator | B&K (Model No. CAL21) |

Monitoring Locations

3.2.3 The monitoring stations for construction noise monitoring pertinent to the Project have been identified based on the approved EM&A Manual for the Project. Locations of the noise monitoring stations are summarized in **Table 3.5** and shown in **Figure 3.2**.

Table 3.5 Noise Monitoring Stations during Construction Phase

| Location Monitoring Station | | Description | Measurement |
|-----------------------------|------------------------------------|----------------|---------------------------|
| E-N12a [1] | 19 Hing Yan Street | Rooftop (9/F) | Façade |
| E-N21a [1] | Block B of Merit Industrial Centre | Rooftop (13/F) | Free field ^[2] |

Notes:

Monitoring Parameters, Frequency and Duration

3.2.4 **Table 3.6** summarizes the monitoring parameters, frequency and duration of impact noise monitoring.

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^[1] The noise monitoring stations proposed in the EM&A Manual (i.e. Grand Waterfront Tower 3 with ID: E-N12 and Hang Chien Court Block J with ID: E-N21) were not available for impact noise monitoring, therefore impact monitoring was conducted at E-N12a and E-N21a as an alternative which was agreed by the ER, IEC and EPD.

^[2] A correction of +3 dB(A) was made to the free field measurements.

Table 3.6 Noise Monitoring Parameters, Frequency and Duration

| Location | Parameter and Duration | Frequency | |
|----------------------|---|------------------------|--|
| E-N12a and E-N21a | 30-mins measurement at each monitoring station between 0700 and 1900 on normal weekdays. Leq, L ₁₀ and L ₉₀ would be recorded. | At least once per week | |

Monitoring Methodology

3.2.5 Monitoring Procedure

- (a) The sound level meter was set on a tripod at a height of 1.2 m above the ground.
- (b) Façade measurement was made at E-N12a.
- (c) Free field measurements was made at monitoring location E-N21a. A correction of +3 dB(A) shall be made to the free field measurements.
- (d) The battery condition was checked to ensure the correct functioning of the meter.
- (e) Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
 - (i) frequency weighting
 - (ii) time weighting: Fast
 - (iii) time measurement: L_{eq(30-minutes)} during non-restricted hours i.e. 0700 1900 on normal weekdays.
- (f) Prior to and after each noise measurement, the meter was calibrated using the acoustic calibrator for 94 dB(A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1 dB(A), the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.
- (g) During the monitoring period, the L_{eq} , L_{10} and L_{90} were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
- (h) Noise measurement was paused during periods of high intrusive noise (e.g. dog barking, helicopter noise) if possible. Observations were recorded when intrusive noise was unavoidable.
- (i) Noise monitoring was cancelled in the presence of fog, rain, wind with a steady speed exceeding 5m/s, or wind with gusts exceeding 10m/s.

3.2.6 Maintenance and Calibration

- (a) The microphone head of the sound level meter was cleaned with soft cloth at regular intervals.
- (b) The meter and calibrator were sent to the supplier or HOKLAS laboratory to check and calibrate at yearly intervals.
- (c) Calibration certificates of the sound level meters and acoustic calibrators are provided in **Appendix E**.

Monitoring Schedule for the Reporting Month

3.2.7 The schedule for environmental monitoring in October 2020 is provided in Appendix F.

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3.3 Construction Water Monitoring

Monitoring Requirements

- 3.3.1 According to the Contractor information, intermittent dredging activity carried out from 10 September to 10 November 2020.
- 3.3.2 In accordance with the approval EM&A Manual, the impact monitoring shall be conducted during dredging period. The monitoring shall normally be established by measuring the Dissolved Oxygen (DO), temperature, turbidity, pH, salinity, Suspended Solids (SS), Copper level and total PAHs at all designated locations. The Action and Limit Levels of the water quality monitoring is provided in **Appendix D**.
- 3.3.3 The measurement shall be taken at all designated monitoring stations including control stations, 3 days per week, at mid-flood and mid-ebb tides. Tidal range of individual flood and ebb tides should be not less than 0.5m. The interval between two sets of monitoring shall not be less than 36 hours.
- 3.3.4 All the monitoring shall be taken at 3 water depths, namely 1m below water surface, mid-depth station and 1m above sea bed, except where the water depth less than 6m, the mid-depth station may be omitted. Should the water depth be less than 3m, only the mid-depth station will be monitored.

Monitoring Equipment

3.3.5 The brand and model of water quality monitoring equipment is given in **Table 3.7.**

Table 3.7 Water Quality Monitoring Equipment

| Equipment | Brand and Model | Detection Limit |
|------------------------------|------------------------|---|
| Dissolved Oxygen Meter | | 0 – 20 mg/L and 0-200% saturation |
| Water Temperature Meter | YSI 6820 V2 | 0-45 degree Celsius |
| Salinity Meter | | 0-40 parts per thousand (ppt) |
| Turbiditimeter | | 0-1000 NTU |
| pH meter | | pH 0.0 to 14.0 |
| Water Sampler | Kahlsico Water Sampler | N.A |
| Echo Sounder | Eagle Cuda-168 | N.A |
| Global Positioning System | | |

Monitoring Locations

3.3.6 In accordance with the Updated EM&A Manual, the water monitoring stations for baseline water quality monitoring is presented in **Table 3.8** and shown in **Figure 3.3**.

Table 3.8 Impact Water Quality Monitoring Stations

| Type of Station | Station | Location | Easting | Northing |
|----------------------|---------|--|---------|----------|
| Water Quality IS1 | | Planned Kai Tak Cooling Water Intake (subject to its implementation) | 839050 | 819377 |
| Monitoring Station | IS2 | To Kwa Wan Typhoon Shelter | 838450 | 819399 |
| | IS3 | Tai Wan Salt Water Intake | 837948 | 818202 |
| C1 Control Station 1 | | 837787 | 817712 | |
| Control Station | C2 | Control Station 2 | 838237 | 818804 |
| | C3 | Control Station 3 | 839105 | 819019 |

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Monitoring Parameters, Frequency and Duration

3.3.7 The monitoring parameters, frequency and duration of water quality monitoring are summarized in **Table 3.9**.

 Table 3.9
 Water Quality Monitoring Parameters, Frequency and Duration

| Parameter | Frequency and Duration |
|---|---|
| Dissolved Oxygen, Temperature, Turbidity, pH value, Salinity, Suspended Solids, Copper and Total PAHs | Three days per week, at mid-flood and mid-ebb tides |

Monitoring Methodology

- 3.3.8 The water quality monitoring procedures are presented in the following:
 - All monitoring equipment were checked and calibrated before use. Responses of sensors and electrodes were also checked with certified standard solutions before each use.
 - The interval between 2 sets of monitoring was not less than 36 hours.
 - Individual flood and ebb tides not less than 0.5m.
 - At least 3 replicate in-situ measurements and water sampling were carried out in each sampling event.
 - Measurements were taken at 3 water depths, namely 1m below water surface, mid-depth and 1m above sea bed, except where the water depth less than 6m, the mid-depth station may be omitted. Should the water depth be less than 3m, only the mid-depth station was monitored.
 - Analysis of suspended solids was carried out by ALS Technichem (HK) Pty Ltd. Sufficient
 water samples were collected at the monitoring stations for carrying out the laboratory
 analysis. The analysis followed the standard methods as described in APHA Standard
 Methods for the Examination of Water and Wastewater, 19th Edition (APHA 2540D for SS).
 - Analysis of copper was carried out by ALS Technichem (HK) Pty Ltd. Sufficient water samples were collected at the monitoring stations for carrying out the laboratory analysis. The analysis followed the standard methods as described in USEPA Method for inductively coupled plasma-mass spectrometry (ICP-MS), Revision 1 (ICP-MS USEPA 6020A for copper).
 - Analysis of total polycyclic aromatic hydrocarbon (PAHs) was carried out by ALS Technichem (HK) Pty Ltd. Sufficient water samples were collected at the monitoring stations for carrying out the laboratory analysis. The analysis followed the standard methods as described in USEPA Methods for Gas Chromatography-Mass Spectrometry Detector, Revision 3, (GC-MSD USEPA 3510C,USEPA 3630C,USEPA 8270C for total PAHs).
 - Water samples for suspended solids measurements were collected in high density polythene bottles, packed in ice (cooled to 4°C without being frozen), and delivered to a HOKLAS laboratory as soon as possible after collection.
- 3.3.9 All monitoring equipment were certified by a laboratory accredited under HOKLAS. Calibration certificates of all monitoring equipment are provided in **Appendix E**.

Monitoring Schedule for the Reporting Month

3.3.10 The schedule for environmental monitoring in October 2020 is provided in **Appendix F**.

3.4 Landscape and Visual

3.4.1 As per the EM&A Manuals, the landscape and visual mitigation measures shall be implemented and site inspections should be undertaken once every two weeks during the construction period. A summary of the implementation status is presented in **Section 6.**

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4 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

4.1.1 The Contractor has implemented environmental mitigation measures and requirements as stated in the EIA Reports, the EP and EM&A Manuals. The implementation status of the environmental mitigation measures during the reporting period is summarized in **Appendix C**.

Status of required submissions under the EP during the reporting period is summarised in **Table 4.1**.

Table 4.1 Status of Required Submission under Environmental Permit

| EP Condition | Submission | Submission Date |
|--|---|-----------------|
| Condition 3.4 of EP- 457/2013/C and Condition 3.4 of FEP-01/457/2013/C | Monthly EM&A Report for September 2020 | 14 October 2020 |

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5 MONITORING RESULTS

5.1 Construction Dust Monitoring

5.1.1 The monitoring results for 24-hour TSP and 1-hour TSP are summarized in **Table 5.1** and **Table 5.2** respectively. Detailed air quality monitoring results and daily extract of meteorological observations are presented in **Appendix G**.

Table 5.1 Summary of 24-hour TSP Monitoring Result in the Reporting Period

| ID | Average (μg/m³) | Range (μg/m³) | Action Level (μg/m³) | Limit Level (µg/m³) |
|--------|--------------------|---------------|-------------------------|------------------------|
| E-A14a | 48.9 | 34.2 – 60.8 | 197.3 | 260 |

Table 5.2 Summary of 1-hour TSP Monitoring Result in the Reporting Period

| ID | Average (μg/m³) | Range (μg/m³) | Action Level (μg/m³) | Limit Level (μg/m³) |
|--------|-----------------|---------------|-------------------------|------------------------|
| E-A14a | 64.9 | 59.8 – 76.7 | 302.4 | 500 |

- 5.1.2 No Action and Limit Level exceedance was recorded for 24-hour TSP monitoring at the monitoring location in the reporting month.
- 5.1.3 No Action and Limit Level exceedance was recorded for 1-hour TSP monitoring at the monitoring location in the reporting month.
- 5.1.4 The event and action plan is annexed in **Appendix K**.
- 5.1.5 Major dust sources during the monitoring included construction dust and nearby traffic emission.

5.2 Regular Construction Noise Monitoring

5.2.1 The monitoring results for noise are summarized in **Table 5.3** and the monitoring data is provided in **Appendix H**.

Table 5.3 Summary of Construction Noise Monitoring Results in the Reporting Period

| ID | Range, dB(A), L _{eq (30 mins)} | Limit Level, dB(A), L _{eq (30 mins)} |
|--------|---|---|
| E-N12a | 65.2 – 69.3 | 75 |
| E-N21a | 60.6 - 68.4 | 75 |

- 5.2.2 Three (3) noise-related complaints were received in the reporting month. Based on the investigation result from finalized investigation reports, proper implementation of mitigation measures for noise conducted by the Contractor during daytime and restricted hours and comply with the condition of approved Construction Noise Mitigation Measures Plan and valid Construction Noise Permit. Also, there is no non-compliance recorded based on compliance check of PMEs and noise monitoring results. Therefore, three action levels of construction noise were triggered, and the investigation reports were finalized on 3, 9 and 11 November 2020 respectively.
- 5.2.3 No Limit Level exceedance of noise was recorded at the monitoring station in the reporting month.
- 5.2.4 The event and action plan is annexed in **Appendix K**.
- 5.2.5 Major noise sources during the monitoring included construction noise from the Project site and nearby traffic noise.

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5.3 Construction Water Monitoring

- 5.3.1 The impact water quality monitoring for 6 locations were carried out 3 days per week in October 2020. The impact monitoring data are presented in **Appendix I**.
- 5.3.2 The weather condition during the monitoring period were mainly sunny and fine and occasionally cloudy and rainy. No major pollution source and extreme weather, which might affect the results, was observed during the impact monitoring period.
- 5.3.3 The impact water quality monitoring results in September and October 2020 are summarized in **Table 5.4** and **Table 5.5** respectively.

Table 5.4 Summary of Impact Water Quality Monitoring Results in September 2020

| | | Parameters | | | | | | | | | | | |
|-----|--------|-------------|-------------|-------------------------|--------|-----------|----------|---------------------|--------|----------------|--|--|--|
| Loc | ations | Temperature | pH value | Dissolved Oxygen (mg/L) | | Turbidity | Salinity | Suspended Solids | Copper | Total | | | |
| | | (°C) | | Surface & Middle | Bottom | (NTU) | (ppt) | (mg/L) | (µg/L) | PAHs (µg/L) | | | |
| | Avg. | 28.06 | 8.14 | 5.62 | 5.46 | 3.18 | 31.59 | 3.69 | 1.47 | <1.60 | | | |
| CS1 | Min. | 24.42 | 7.90 | 4.70 | 4.59 | 2.04 | 29.87 | 2.30 | <1.00 | <1.60 | | | |
| | Max. | 29.29 | 8.34 | 6.54 | 6.20 | 4.60 | 34.46 | 7.20 | 2.67 | <1.60 | | | |
| | Avg. | 28.09 | 8.15 | 5.57 | 5.49 | 3.25 | 31.50 | 3.89 | 1.21 | <1.60 | | | |
| CS2 | Min. | 24.66 | 7.87 | 4.64 | 4.62 | 1.81 | 29.91 | 2.27 | <1.00 | <1.60 | | | |
| | Max. | 29.29 | 8.36 | 6.21 | 6.14 | 5.51 | 34.04 | 8.61 | 2.11 | <1.60 | | | |
| | Avg. | 28.10 | 8.14 | 5.67 | 5.61 | 3.41 | 31.46 | 3.73 | 1.28 | <1.60 | | | |
| CS3 | Min. | 24.72 | 7.88 | 4.63 | 4.63 | 1.81 | 30.05 | 2.29 | <1.00 | <1.60 | | | |
| | Max. | 29.29 | 8.37 | 6.35 | 6.23 | 5.80 | 33.88 | 8.32 | 2.22 | <1.60 | | | |
| | Avg. | 28.11 | 8.15 | 5.65 | 5.60 | 3.58 | 31.44 | 3.82 | 1.31 | <1.60 | | | |
| IS1 | Min. | 24.77 | 7.89 | 4.64 | 4.64 | 1.69 | 29.94 | 2.28 | <1.00 | <1.60 | | | |
| | Max. | 29.29 | 8.38 | 6.31 | 6.24 | 6.51 | 33.73 | 7.97 | 2.56 | <1.60 | | | |
| | Avg. | 28.11 | 8.15 | 5.67 | 5.62 | 3.37 | 31.43 | 3.85 | 1.38 | <1.60 | | | |
| IS2 | Min. | 24.79 | 7.89 | 4.63 | 4.61 | 1.80 | 29.91 | 2.06 | <1.00 | <1.60 | | | |
| | Max. | 29.30 | 8.38 | 6.23 | 6.16 | 6.54 | 33.67 | 10.06 | 2.78 | <1.60 | | | |
| | Avg. | 28.07 | 8.15 | 5.55 | 5.42 | 3.40 | 31.56 | 3.94 | 1.25 | <1.60 | | | |
| IS3 | Min. | 24.55 | 7.87 | 4.62 | 4.60 | 2.20 | 29.94 | 1.76 | <1.00 | <1.60 | | | |
| | Max. | 29.29 | 8.36 | 6.23 | 6.10 | 5.12 | 34.26 | 9.52 | 2.22 | <1.60 | | | |

Table 5.5 Summary of Impact Water Quality Monitoring Results in October 2020

| | | | | | | Parameters | | | | |
|-----------|------|------------------|-------------|-------------------------|--------|------------|----------|---------------------|---------------------|-----------------------------|
| Locations | | Temperature (°C) | pH value | Dissolved Oxygen (mg/L) | | Turbidity | Salinity | Suspended Solids | Copper ¹ | Total |
| | | | | Surface & Middle | Bottom | (NTU) | (ppt) | (mg/L) | (µg/L) | PAHs ¹ (µg/L) |
| | Avg. | 25.59 | 7.98 | 6.15 | 6.13 | 3.89 | 34.16 | 3.82 | - | - |
| CS1 | Min. | 22.55 | 7.34 | 5.43 | 5.37 | 2.43 | 30.33 | 2.21 | - | - |
| | Max. | 28.72 | 8.22 | 6.76 | 6.79 | 9.07 | 35.67 | 6.59 | - | - |
| | Avg. | 25.59 | 7.98 | 6.15 | 6.13 | 3.64 | 34.09 | 3.92 | - | - |
| CS2 | Min. | 22.61 | 7.38 | 5.34 | 5.26 | 1.60 | 30.07 | 2.54 | - | - |
| | Max. | 28.69 | 8.17 | 6.75 | 6.74 | 8.13 | 35.63 | 6.81 | - | - |
| | Avg. | 25.59 | 7.98 | 6.15 | 6.13 | 3.57 | 34.09 | 4.32 | - | - |
| CS3 | Min. | 22.68 | 7.39 | 5.52 | 5.10 | 1.38 | 30.01 | 2.51 | - | - |
| | Max. | 28.70 | 8.16 | 6.76 | 6.76 | 8.14 | 35.61 | 7.08 | - | - |
| | Avg. | 25.60 | 7.97 | 6.16 | 6.12 | 3.64 | 34.09 | 3.88 | - | - |
| IS1 | Min. | 22.66 | 7.40 | 5.61 | 5.29 | 1.37 | 29.98 | 2.33 | - | - |
| | Max. | 28.69 | 8.16 | 6.76 | 6.75 | 7.80 | 35.62 | 6.26 | - | - |
| | Avg. | 25.61 | 7.98 | 6.16 | 6.13 | 3.68 | 34.07 | 4.04 | - | - |
| IS2 | Min. | 22.63 | 7.40 | 5.57 | 5.21 | 1.57 | 29.99 | 2.37 | - | - |
| | Max. | 28.71 | 8.17 | 6.75 | 6.74 | 7.42 | 35.62 | 7.42 | - | - |
| | Avg. | 25.59 | 7.98 | 6.17 | 6.14 | 3.79 | 34.13 | 4.13 | - | - |
| IS3 | Min. | 22.54 | 7.38 | 5.51 | 5.34 | 1.88 | 30.40 | 2.48 | - | - |
| | Max. | 28.69 | 8.18 | 6.74 | 6.75 | 8.28 | 35.63 | 7.38 | - | - |

Note:

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^{1.} Some of laboratory results of Copper and Total PAHs in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

5.3.4 Exceedances were recorded for turbidity, suspended solids and copper in the reporting month. Number of exceedances recorded in October 2020 at each impact station are summarised in **Table 5.6** and **Appendix J**.

Table 5.6 Summary of Water Quality Exceedances in October 2020

| Station | Exceedance Level | DO (S&M) | | DO (Bottom) | | Turbidity | | Suspended Solids | | Copper ¹ | | Total PAHs ¹ | |
|---------|---------------------|----------|-------|-------------|-------|-----------|-------|---------------------|-------|---------------------|-------|-------------------------|-------|
| | Level | | Limit | Action | Limit | Action | Limit | Action | Limit | Action | Limit | Action | Limit |
| 104 | Ebb | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| IS1 | Flood | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 100 | Ebb | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| IS2 | Flood | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 100 | Ebb | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 |
| IS3 | Flood | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| | Total | 0 | 0 | 0 | 0 | 11 | 3 | 4 | 6 | 3 | 2 | 0 | 0 |

Note:

5.3.5 The event and action plan is annexed in **Appendix K**.

5.4 Waste Management

- 5.4.1 C&D materials and wastes sorting were carried out on site. Receptacles were available for C&D wastes and general refuse collection.
- 5.4.2 As advised by the Contractor, Total 1,862 m³ of inert C&D material was generated, 302 m³ were disposed of as public fill, 1,397 m³ were reused in other projects and 163 m³ were reused in the Contract in the reporting month. 82,250 kg general refuse was generated and sent to NENT Landfill in the reporting month. 60,330 kg of metals, no plastics and paper/cardboard packaging were collected by recycle contractor in the reporting month. No chemical waste was collected by licensed contractor in the reporting period. 2,401 m³ of Type 1, 3,835 m³ of Type 2 and no Type 3 Marine sediment were disposed at Confined Marine Disposal Facility to the East of Sha Chau. The waste flow table is annexed in **Appendix M**.
- 5.4.3 The Contractor is advised to properly maintain on site C&D materials and wastes collection, sorting and recording system and maximize reuse / recycle of C&D materials and wastes. The Contractor is reminded to properly maintain the site tidiness and dispose of the wastes accumulated on site regularly and properly.
- 5.4.4 The Contractor is reminded that chemical waste containers should be properly treated and stored temporarily in designated chemical waste storage area on site in accordance with the Code of Practise on the Packaging, Labelling and Storage of Chemical Wastes.

5.5 Landscape and Visual

5.5.1 Bi-weekly inspection of the implementation of landscape and visual mitigation measures was conducted on 7 and 21 October 2020. A summary of the site inspection is provided in **Appendix C**. The observations and recommendations made during the site inspections are presented in **Table 6.1**.

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Some of laboratory results of Copper and Total PAHs in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

6 ENVIRONMENTAL SITE INSPECTION AND AUDIT

- 6.1.1 Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. A summary of the mitigation measures implementation schedule is provided in **Appendix C**.
- 6.1.2 In the reporting month, 4 site inspections were carried out on 7, 14, 21 and 28 October 2020. Joint inspections with the IEC, ER, the Contractor and the ET were conducted on 21 October 2020. No non-compliance was recorded during the site inspection. Details of observations recorded during the site inspections are presented in **Table 6.1.**

Table 6.1 Observations and Recommendations of Site Audit

| Parameters | Date | Observations and Recommendations | Follow-up |
|--------------------------------------|-----------------|--|--|
| | 7 October 2020 | Muddy trail was observed outside the site entrance of Covered Walkway. The Contractor was reminded to provide adequate wheel washing for leaving vehicles. | The item was rectified by the Contractor on 8 October 2020. |
| | 21 October 2020 | Reminder: • The Contractor was reminded to improve the shelter for grouting station at Ma Tau Kok. | The item was rectified by the Contractor on 27 October 2020. |
| Air Quality | | Haul road at Covered Walkway was observed to be dry. The Contractor was reminded to provide regular water spraying on the haul road for dust suppression. | The item was rectified by the Contractor on 29 October 2020. |
| | 28 October 2020 | Muddy trail was observed outside the site entrance at Covered Walkway. The Contractor was reminded to provide adequate wheel washing facility for the leaving vehicle. | The item was rectified by the Contractor on 29 October 2020. |
| | | Reminder: The Contractor was reminded to replace the decolored NRMM label on drill rig at Ma Tau Kok. | The item was rectified by the Contractor on 30 October 2020. |
| Noise | 7 October 2020 | Reminder: The Contractor was reminded to affix the noise emission label on the air compressor at Covered Walkway. | The item was rectified by the Contractor on 13 October 2020. |
| Water | 7 October 2020 | Oil drum was observed stored without drip tray at Ma Tau Kok. The Contractor was reminded to provide a secondary containment for oil drum storage. | The item was rectified by the Contractor on 9 October 2020. |
| Quality | 14 October 2020 | Reminder: The Contractor was reminded to improve the bunding along the Covered Walkway to prevent muddy water seepage. | The item was rectified by the Contractor on 16 October 2020. |
| Waste/ Chemical Manageme nt | 14 October 2020 | General refuse was observed rested on the ground at Underpass. The Contractor was reminded to provide proper handling for general refuse. | The item was rectified by the Contractor on 16 October 2020. |
| | | Reminder: The Contractor was reminded to seal the hole of drip tray at Covered Walkway to prevent accidental spillage. | The item was rectified by the Contractor on 16 October 2020. |
| | 21 October 2020 | Chemical container was observed stored without drip tray at Kai Tak. The Contractor was reminded to provide a drip tray for chemical storage to prevent accidental spillage. | The item was rectified by the Contractor on 23 October 2020. |

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| Parameters | Date | Observations and Recommendations | Follow-up | | |
|-----------------------|------|----------------------------------|-----------|--|--|
| Landscape & Visual | Nil | Nil | Nil | | |
| Permits/ Licenses | Nil | Nil | Nil | | |

6.1.3 All follow-up actions requested by Contractor's ET during the site inspection were undertaken as reported by the Contractor and confirmed in the following weekly site inspection conducted during the reporting period. No follow-up action requested by EPD during the site inspection in the reporting month.

7 ENVIRONMENTAL NON-CONFORMANCE

7.1 Summary of Monitoring Exceedances

- 7.1.1 All 24-hour TSP result was below the Action and Limit Levels at all monitoring locations in the reporting month.
- 7.1.2 All 1-hour TSP result was below the Action and Limit Levels at all monitoring locations in the reporting month
- 7.1.3 Three (3) noise-related complaints were received in the reporting month. Based on the investigation result from finalized investigation reports, proper implementation of mitigation measures for noise conducted by the Contractor during daytime and restricted hours and comply with the condition of approved Construction Noise Mitigation Measures Plan and valid Construction Noise Permit. Also, there is no non-compliance recorded based on compliance check of PMEs and noise monitoring results. Therefore, three action levels of construction noise were triggered, and the investigation reports were finalized on 3, 9 and 11 November 2020 respectively.
- 7.1.4 No Limit Level exceedance for noise was recorded at all monitoring stations in the reporting month.
- 7.1.5 After received the remaining laboratory results of Copper and Total PAHs in September 2020, no unreported Action level and Limit level exceedance was recorded for both parameters.
- 7.1.6 Based on the findings from the completed IRs on 21, 23, 25 and 28 September 2020, the exceedances were unrelated to the Project.
- 7.1.7 No Action level and Limit level exceedance were recorded at measured DO in reporting month and Total PAHs until 21 October 2020.
- 7.1.8 Eleven (11) Action Level and three (3) Limit level exceedances were recorded at measured turbidity level in the reporting month.
- 7.1.9 Four (4) Action Level and six (6) Limit Level exceedances were recorded at measured Suspended Solids level in the reporting month.
- 7.1.10 Three (3) Action Level and two (2) Limit Level exceedances were recorded at measured Copper Level until 21 October 2020.
- 7.1.11 Some of laboratory results of Copper and Total PAHs in October 2020 were in progress, the exceedance summary for those parameters will be reported in next reporting period.
- 7.1.12 Based on the findings from the completed IRs on 5, 7 and 10 October 2020, the exceedances were unrelated to the Project.
- 7.1.13 Except for the exceedances on 12, 14, 19, 21, 28 and 30 October 2020, where the investigation is undergoing and the investigation results will be presented in the next monthly EM&A report. Nevertheless, the Contractor was reminded to ensure provision of ongoing maintenance to the silt curtains.

AECOM Asia Co. Ltd. 23 November 2020

7.2 Summary of Environmental Non-Compliance

7.2.1 No environmental non-compliance was recorded in the reporting month.

7.3 Summary of Environmental Complaints

- 7.3.1 Three (3) complaints in noise (one received by the Highway Department and Gammon Construction Limited which summarized on 28 October 2020 and two received by Environmental Protection Department on 29 October 2020) were all referred by the Contractor on 30 October 2020. Those investigation reports were finalized on 3, 9 and 11 November 2020 respectively.
- 7.3.2 No environmental related notification of summons and successful prosecution were received in the reporting month.

7.4 Summary of Environmental Summon and Successful Prosecutions

7.4.1 No environmental related prosecution or notification of summons was received in the reporting month. Cumulative statistics on notification of summons and successful prosecutions is provided in **Appendix L**.

AECOM Asia Co. Ltd. 24 November 2020

8 FUTURE KEY ISSUES

8.1 Construction Programme for the Next Three Months

8.1.1 The major construction works between November 2020 and January 2021 are provided in **Table 8.1**.

Table 8.1 Construction Activities in the coming three months

| Locations | Site Activities |
|---------------|---|
| Kai Tak | Base slab and wall, roof slab construction at cut & cover, underpass and depressed road; Backfilling works and ELS removal at cut & cover, underpass and depressed road; Dismantle of working platform. |
| Ma Tau Kok | TTM implementation; Rock excavation; Pipe piling works for cut and cover tunnel east portion; Fresh water pipe installation works; Constrcution of traffic deck; Covered walkway construction; Relocation of MTK public pier. |
| Kowloon Bay | Backfilling and ELS removal works; Roof slab, base slab and wall construction; Removal of gas pipe line; Waterproofing application; Preparation works for Stage 2 UWT. |
| Barging Point | Barging point operation (Spoil Disposal). |

8.2 Key Issues for the Coming Month

8.2.1 Potential environmental impacts arising from the above construction activities are mainly associated with construction dust, construction noise, and waste management.

8.3 Monitoring Schedule for the Coming Month

8.3.1 The tentative schedule for environmental monitoring in November 2020 is provided in **Appendix F**.

AECOM Asia Co. Ltd. 25 November 2020

9 CONCLUSIONS AND RECOMMENDATIONS

9.1 Conclusions

- 9.1.1 1-hour TSP, 24-hour TSP and noise monitoring were carried out in the reporting month.
- 9.1.2 All 24-hour TSP monitoring results complied with the Action / Limit Level at in the reporting month.
- 9.1.3 All 1-hour TSP result was below the Action and Limit Levels at all monitoring locations in the reporting month.
- 9.1.4 Three (3) noise-related complaints were received in the reporting month. Based on the investigation result from finalized investigation reports, proper implementation of mitigation measures for noise conducted by the Contractor during daytime and restricted hours and comply with the condition of approved Construction Noise Mitigation Measures Plan and valid Construction Noise Permit. Also, there is no non-compliance recorded based on compliance check of PMEs and noise monitoring results. Therefore, three action levels of construction noise were triggered, and the investigation reports were finalized on 3, 9 and 11 November 2020 respectively.
- 9.1.5 No Limit Level exceedance for noise was recorded at all monitoring stations in the reporting month.
- 9.1.6 After received the remaining laboratory results of Copper and Total PAHs in September 2020, no unreported Action level and Limit level exceedance was recorded for both parameters.
- 9.1.7 Based on the findings from the completed IRs on 21, 23, 25 and 28 September 2020, the exceedances were unrelated to the Project.
- 9.1.8 No Action level and Limit level exceedance were recorded at measured DO in reporting month and Total PAHs until 21 October 2020.
- 9.1.9 Eleven (11) Action Level and three (3) Limit level exceedances were recorded at measured Turbidity level in the reporting month.
- 9.1.10 Four (4) Action Level and six (6) Limit Level exceedances were recorded at measured Suspended Solids level in the reporting month.
- 9.1.11 Three (3) Action Level and two (2) Limit Level exceedances were recorded at measured Copper Level until 21 October 2020.
- 9.1.12 Some of laboratory results of Copper and Total PAHs in October 2020 were in progress, the exceedance summary for those parameters will be reported in next reporting period.
- 9.1.13 Based on the findings from the completed IRs on 5, 7 and 10 October 2020, the exceedances were unrelated to the Project.
- 9.1.14 Except for the exceedances on 12, 14, 19, 21, 28 and 30 October 2020, where the investigation is undergoing, and the investigation results will be presented in the next monthly EM&A report. Nevertheless, the Contractor was reminded to ensure provision of ongoing maintenance to the silt curtains.
- 9.1.15 4 nos. of environmental site inspections were carried out in October 2020. Recommendations on remedial actions were given by ET and IEC to the Contractor for the deficiencies identified during the site audit. No non-compliance was recorded during the EPD site inspection.
- 9.1.16 Three (3) complaints in noise (one received by the Highway Department and Gammon Construction Limited which summarized on 28 October 2020 and two received by Environmental Protection Department on 29 October 2020) were all referred by the Contractor on 30 October 2020. Those investigation reports were finalized on 3, 9 and 11 November 2020 respectively.

AECOM Asia Co. Ltd. 26 November 2020

9.1.17 No environmental related notification of summons and successful prosecution were received in the reporting month.

9.2 Recommendations

9.2.1 According to the environmental site inspections performed in the reporting month, the following recommendations were provided: -

Air Quality Impact

- The Contractor was reminded to provide adequate wheel washing for leaving vehicles;
- The Contractor was reminded to improve the shelter for grouting station;
- The Contractor was reminded to provide regular water spraying on the haul road for dust suppression;
- The Contractor was reminded to provide adequate wheel washing facility for the leaving vehicle; and
- The Contractor was reminded to replace the decolored NRMM label on drill rig.

Construction Noise Impact

 The Contractor was reminded to affix the noise emission label on the air compressor at Covered Walkway.

Water Quality Impact

- The Contractor was reminded to provide a secondary containment for oil drum storage; and
- The Contractor was reminded to improve the bunding along the Covered Walkway to prevent muddy water seepage.

Chemical and Waste Management

- The Contractor was reminded to provide proper handling for general refuse;
- The Contractor was reminded to seal the hole of drip tray to prevent accidental spillage; and
- The Contractor was reminded to provide a drip tray for chemical storage to prevent accidental spillage.

Landscape & Visual Impact

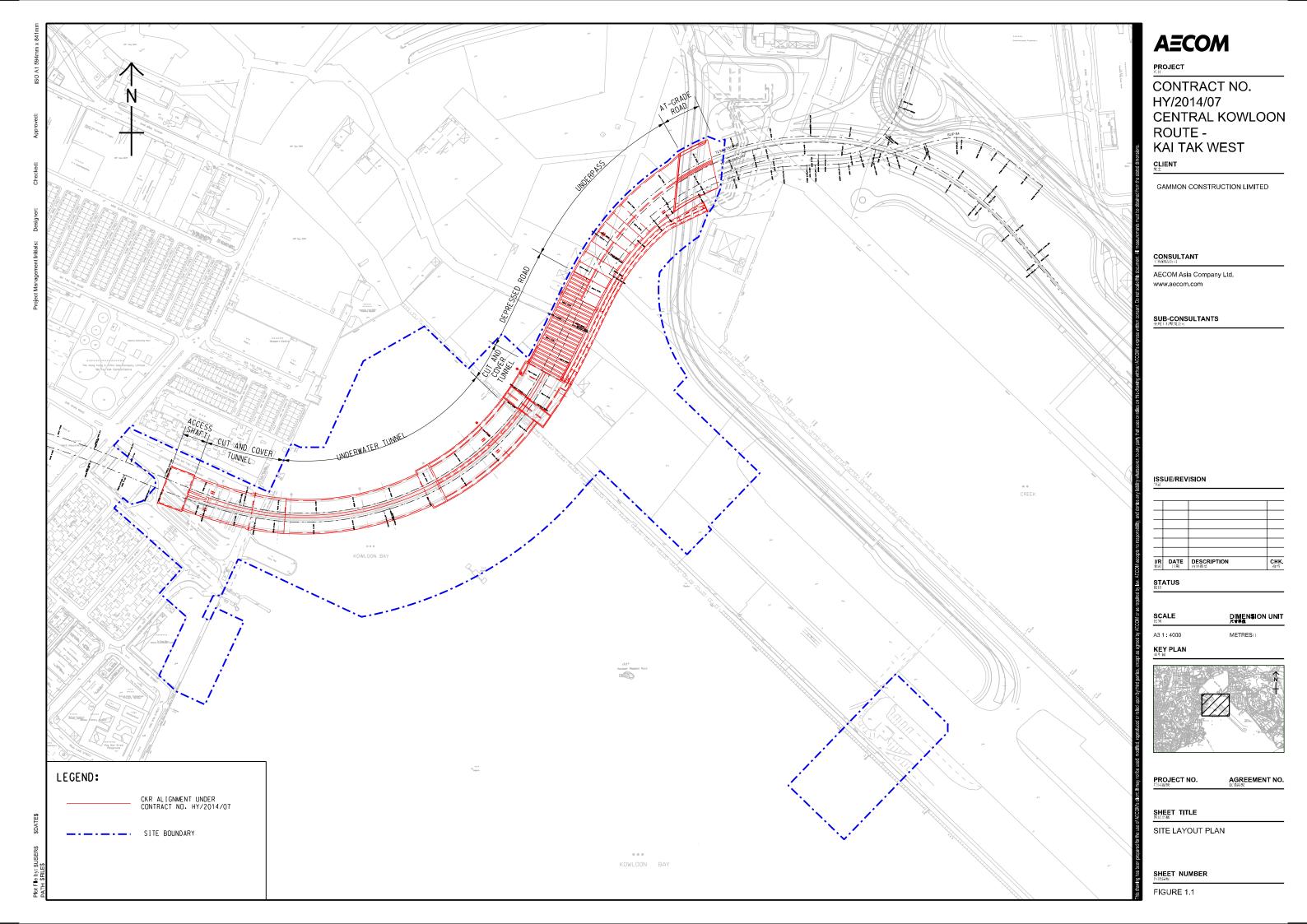
• No specific observation was identified in the reporting month.

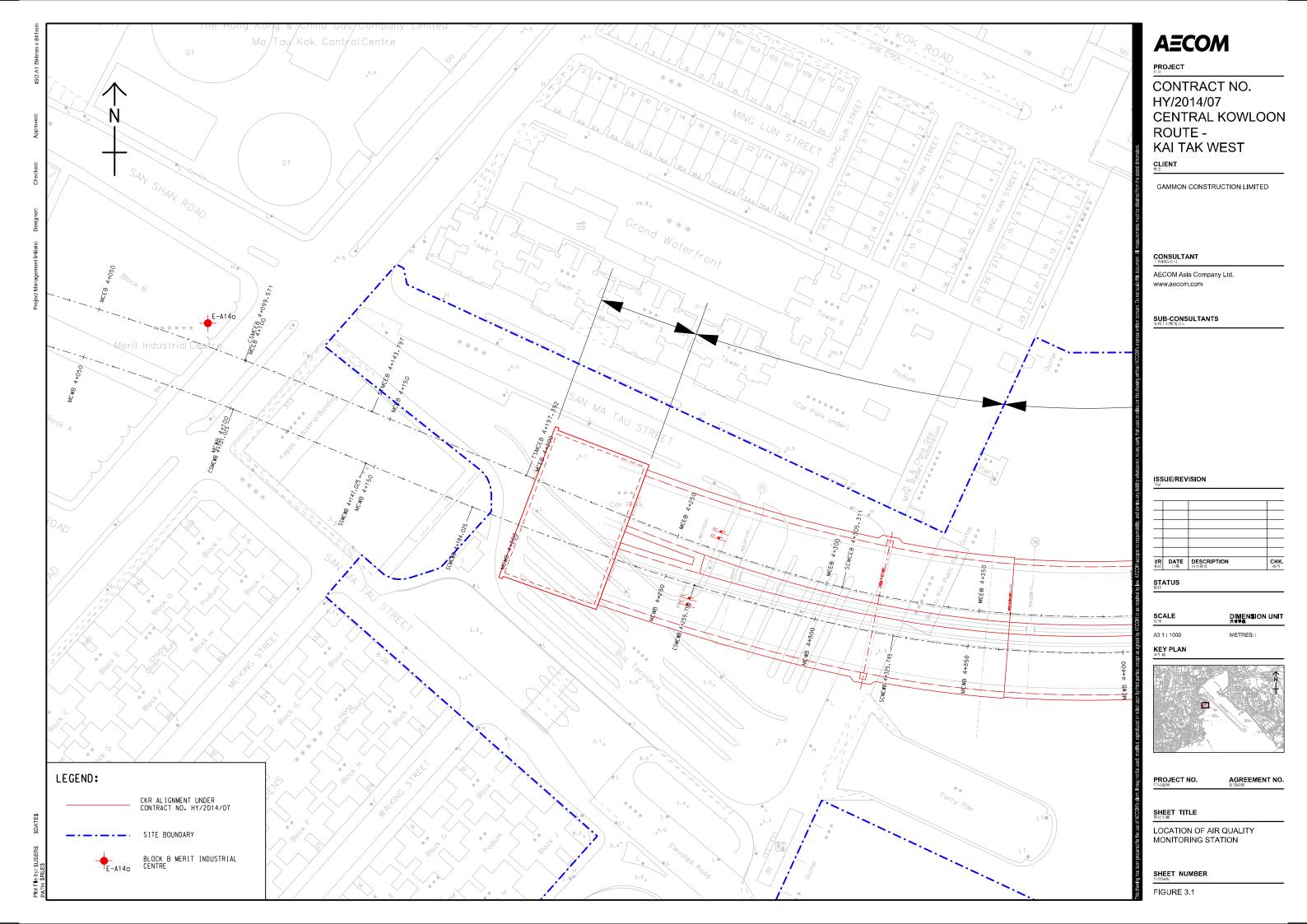
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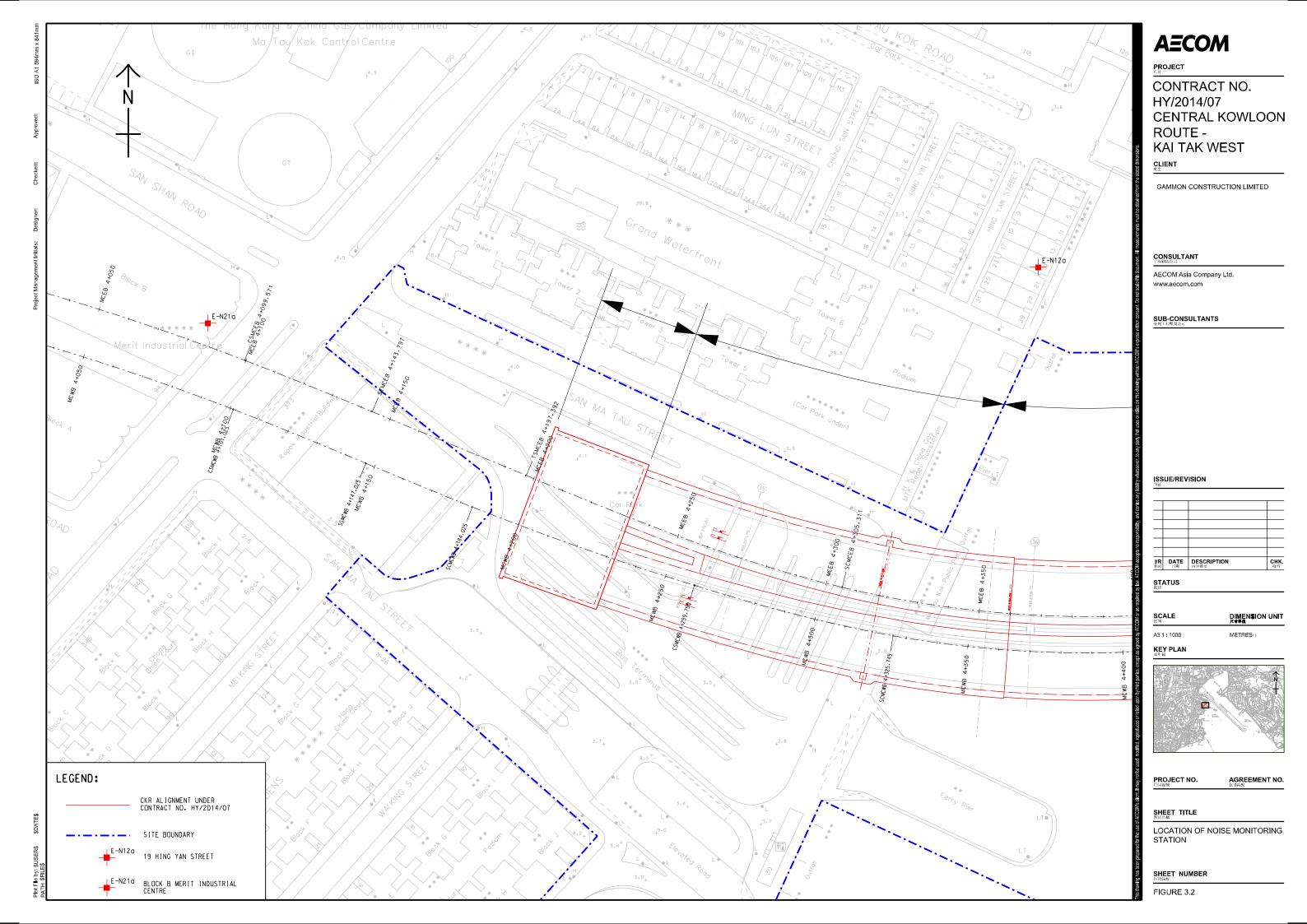
• No specific observation was identified in the reporting month.

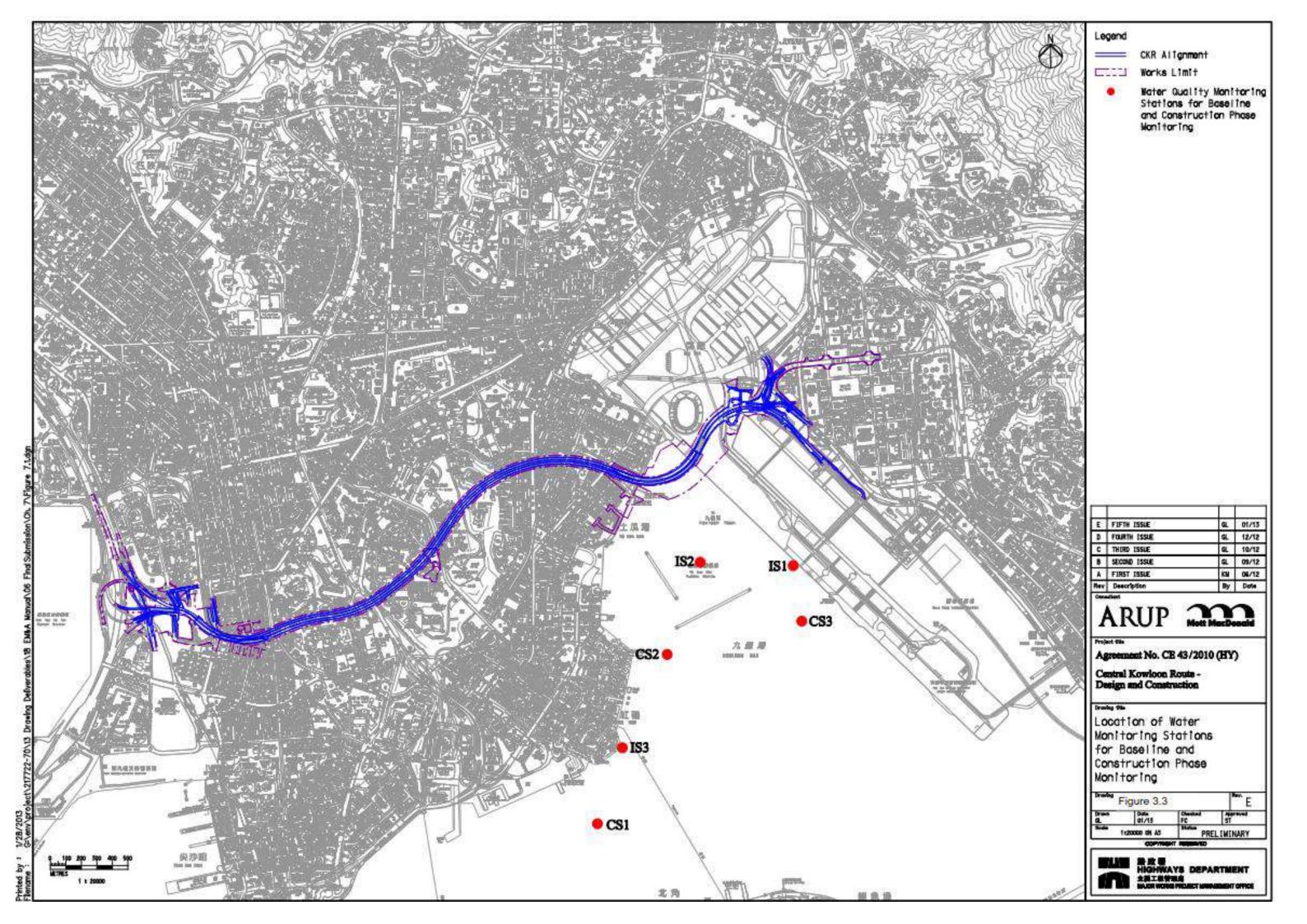
AECOM Asia Co. Ltd. 27 November 2020





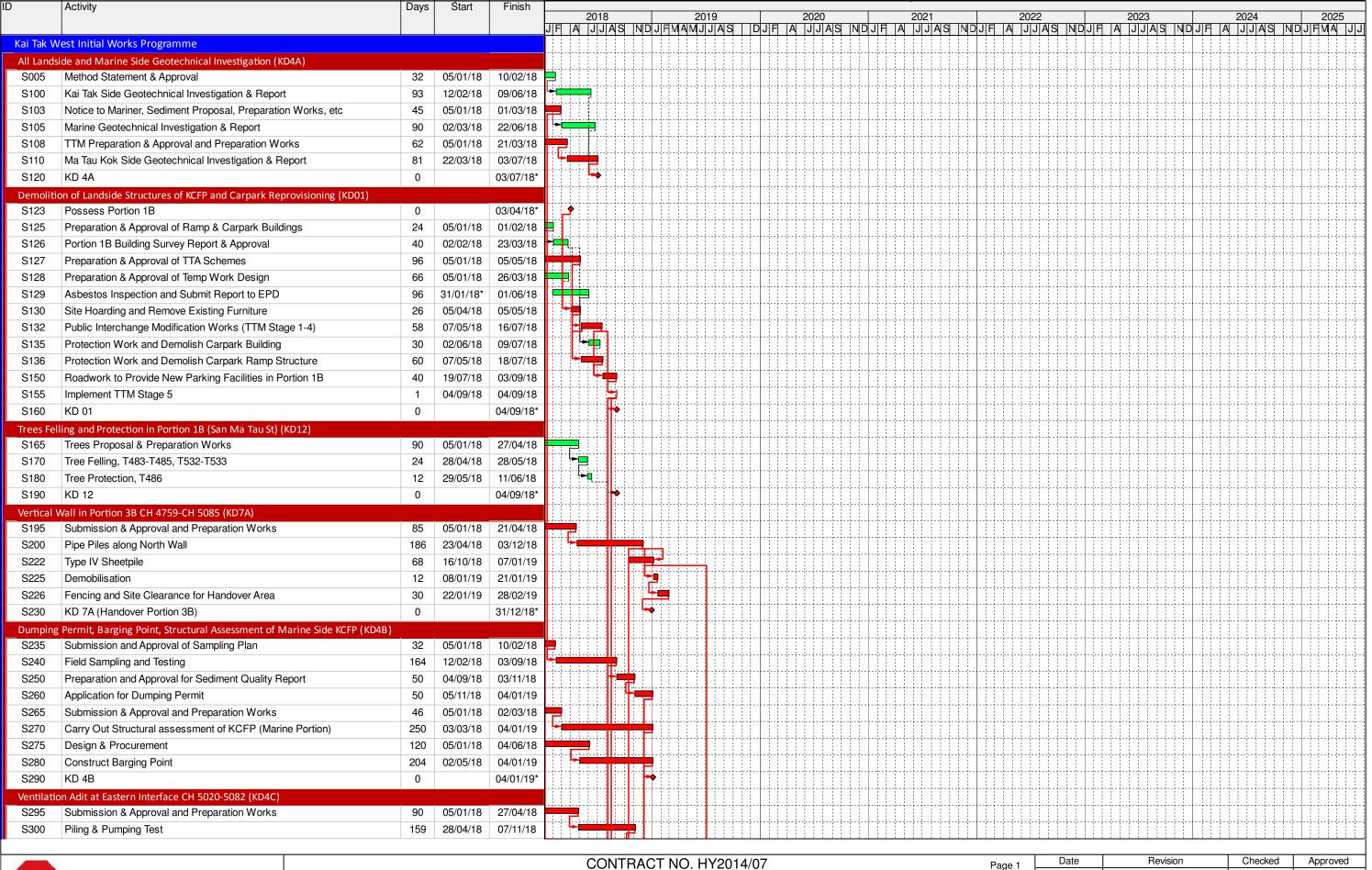






APPENDIX A

Construction Programme

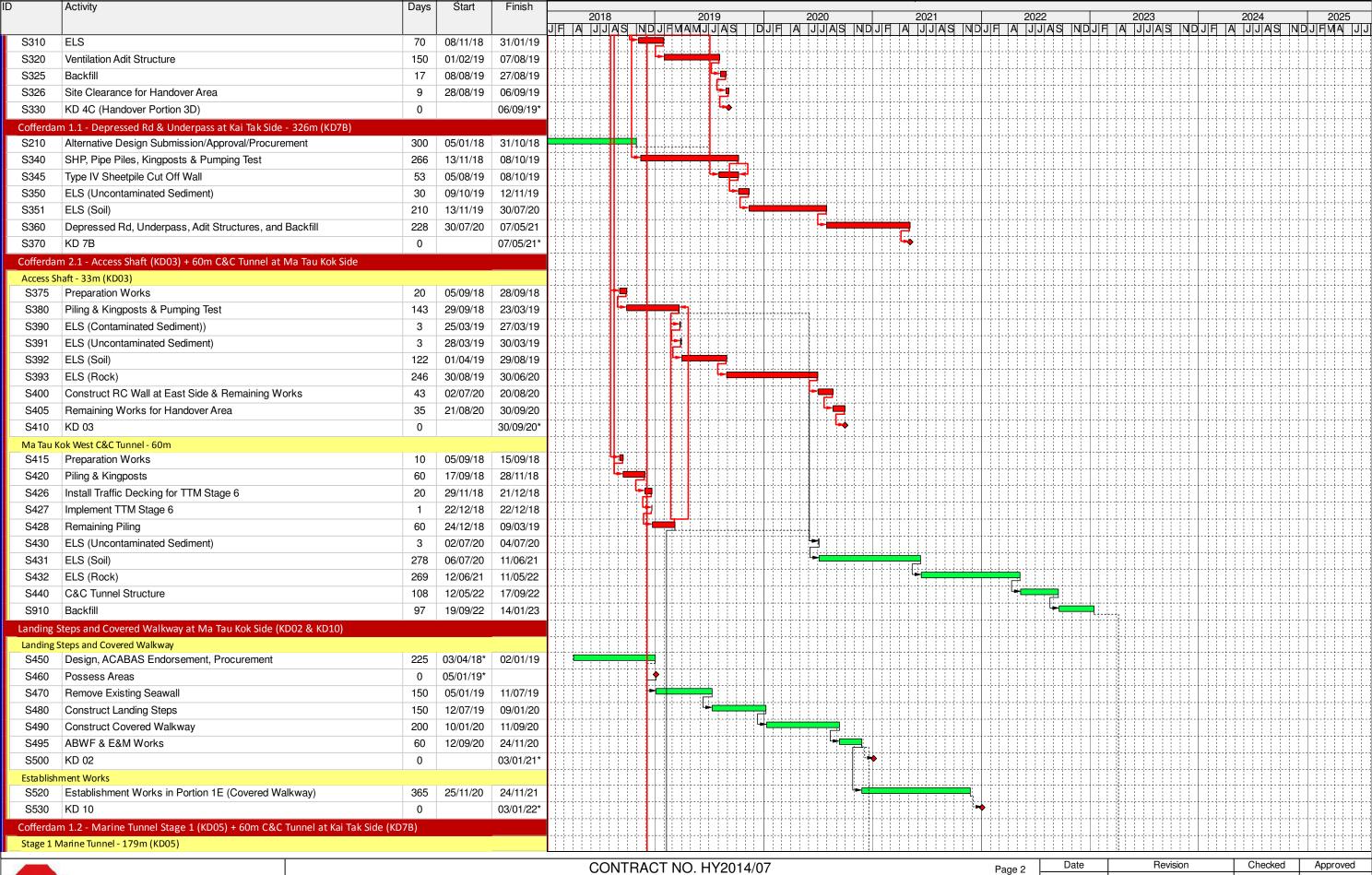




CONTRACT NO. HYZ014/0/

CENTRAL KOWLOON ROUTE - KAI TAK WEST
INITIAL WORKS PROGRAMME (IWP)

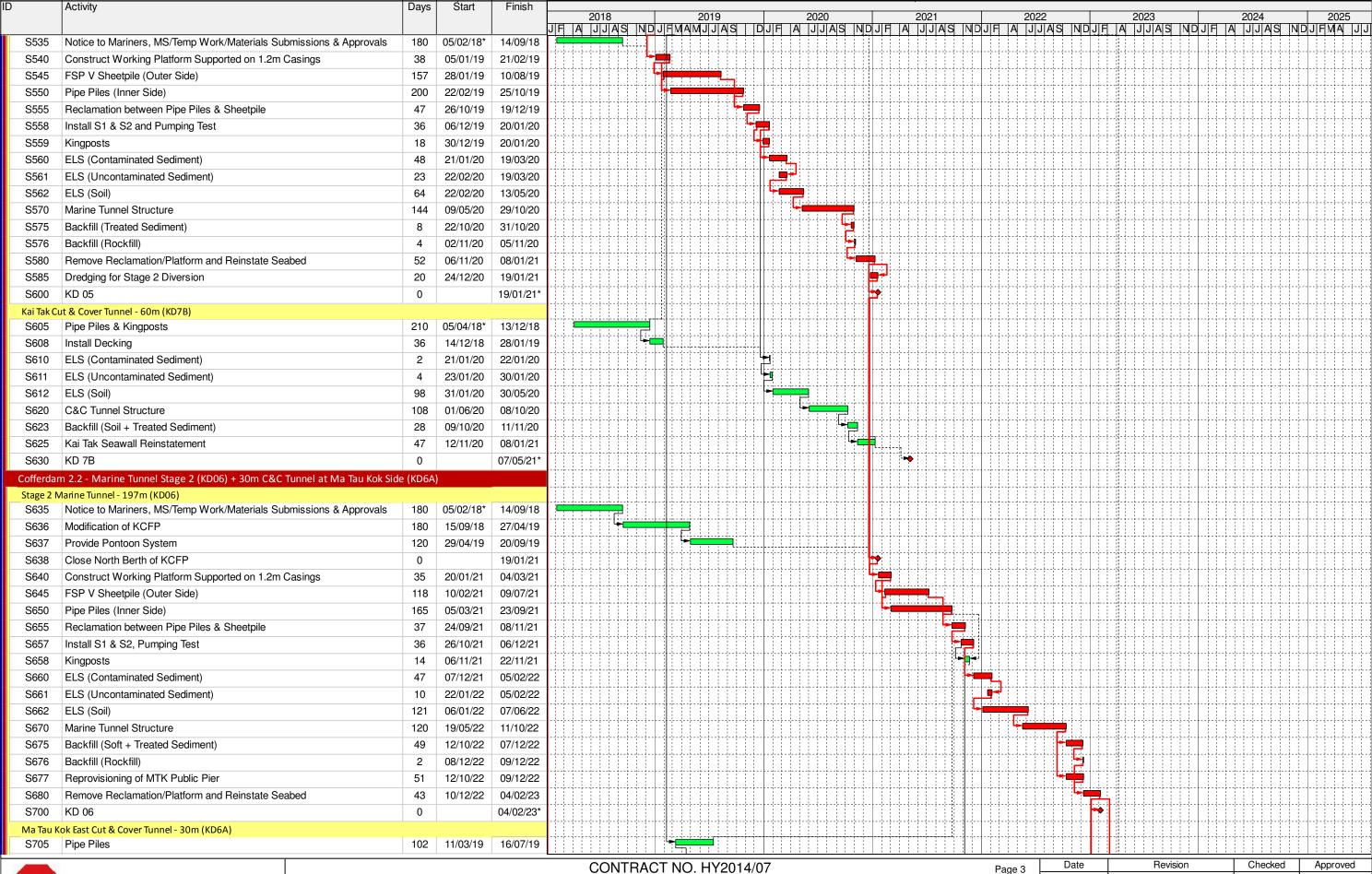
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CENTRAL KOWLOON ROUTE - KAI TAK WEST
INITIAL WORKS PROGRAMME (IWP)

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CENTRAL KOWLOON ROUTE - KAI TAK WEST
INITIAL WORKS PROGRAMME (IWP)

| Date | Revision | Checked | Approved |
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| 05 Jan 18 | IWP | | |
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| D | Activity | Days | Start | Finish | 2018 2019 2020 2021 | | | 2022 | 2023 | 2024 2025 | |
|----------|---|------|-----------|-----------|---------------------------------|----------------------------|------------|--|---------------|-----------------|--------------------|
| | | | | | JIF A JJJAS NO | DIFMAMJIJAS I | DJF A JJAS | NDJF A JJAS | NDJF A JJAS N | DIF A JUAS NOJE | TA JUJAS NIDUFMA J |
| S706 | Kingposts | 16 | 16/05/19 | 03/06/19 | | - - - - - - - - - - | | | | | |
| S710 | ELS (Contaminated Sediment) | 2 | 07/12/21 | 08/12/21 | | | | | | | |
| S711 | ELS (Uncontaminated Sediment) | 2 | 09/12/21 | 10/12/21 | | | | | | | |
| S712 | ELS (Soil) | 139 | 11/12/21 | 06/06/22 | | | | | | | |
| S713 | ELS (Rock) | 8 | 07/06/22 | 15/06/22 | | | | | | | |
| S720 | C&C Tunnel Structure | 72 | 16/06/22 | 08/09/22 | - - - - - - - - | | | | | | |
| S722 | Backfill | 49 | 09/09/22 | 08/11/22 | - | | | ;; | | | |
| S725 | Ma Tau Kok Seawall Reinstatement | 53 | 29/11/22 | 04/02/23 | | | | | | | |
| S730 | KD 6A | 0 | | 06/05/23* | | | | | | | |
| U Troug | h Structures and At-Grade Road Area (KD07) | | , | ' | | | | | | | |
| S740 | Repossess Portion 3D | 0 | 05/10/21* | | | | | | | | |
| S745 | Sheetpile & Pumping Test | 68 | 05/10/21 | 23/12/21 | | | | <u> </u> | | | |
| S750 | ELS (Soil) | 143 | 24/12/21 | 23/06/22 | | | | | | | |
| S760 | Construct Trough Structure | 120 | 24/06/22 | 15/11/22 | | | | | | | |
| S770 | Backfill & Remove Sheetpile | 120 | 03/09/22 | 31/01/23 | | | | | - | - | |
| S775 | Roadwork for At-Grade Road | 77 | 01/02/23 | 06/05/23 | | | | | | | |
| S780 | KD 07 | 0 | | 06/05/23* | | | | | | → | |
| Kowloor | City Ferry Pier Public Transport Interchange Reinstatement (KD09) | | | | | | | | | | |
| S790 | All works Completed at Ma Tau Kok Side | 0 | | 06/05/23 | | | | | | | |
| S800 | Remove Decking, Roads and Drains (TTM Stages 7-10) | 344 | 08/05/23 | 04/07/24 | | | | | | | |
| S810 | KD 09 | 0 | | 05/07/24* | | | | | | | |
| Preserv | ation and Protection of Trees (KD13) | | | | | | | | | | |
| S820 | Trees Survey, Proposal, and Approval | 90 | 05/01/18 | 27/04/18 | | | | | | | |
| S830 | Implement measures for Trees Protection/Preservation | 365 | 28/04/18 | 22/07/19* | - | | | | | | |
| S840 | KD 13 | 0 | | 05/07/24* | | | | | | | |
| All Rem | aining Works and Roadwork for Opening to the Public (KD08) | | | | | | | | | | |
| S850 | All works Completed at both Kai Tak & Ma Tau Kok Sides | 0 | | 04/07/24 | | | | | | | |
| S860 | Reinstate Affected Road Areas & Traffic Diversions | 120 | 05/07/24 | 25/11/24 | | | | | | | |
| S870 | Reinstate Affected Areas | 30 | 26/11/24 | 02/01/25 | | | | | | | - |
| S880 | KD 08 | 0 | | 02/01/25* | | | | | | | |
| Establis | nment Works (KD11) | | | | | | | | | | |
| S890 | Establishment Works (Except in Portion 1E) Period | 365 | 06/07/24 | 05/07/25 | | | | | | | |
| S900 | KD 11 | 0 | | 05/07/25* | | | | | | | |



CONTRACT NO. HY2014/07

CENTRAL KOWLOON ROUTE - KAI TAK WEST

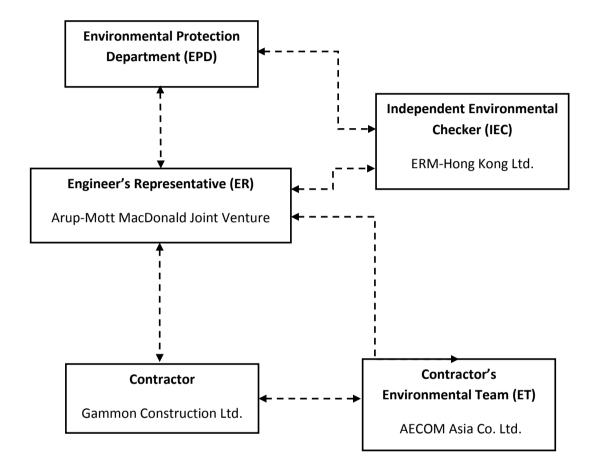
INITIAL WORKS PROGRAMME (IWP)

| Page 4 | Date | Revision | Checked | Approved |
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| | 05 Jan 18 | IWP | | |
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APPENDIX B

Project Organization Structure

Appendix B Project Organization Structure



Appendix B AECOM

APPENDIX C

Implementation Schedule of Environmental Mitigation Measures

Appendix C – Environmental Mitigation Implementation Schedule

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|-------------|-----------------|---|---|--------------------------------|-------------------------|---------------------------------|--------------------------|
| Air Quality | (Construction | on Phase) | 1 | | | | |
| S4.3.10 | D1 | The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation | Minimize dust impact at the nearby sensitive receivers | Contractor | All construction sites | Construction stage | @ |
| S4.3.10 | D2 | • Mitigation measures in form of regular watering under a good site practice should be adopted. Watering once per hour on exposed worksites and haul road should be conducted to achieve dust removal efficiencies of 91.7%. While the above watering frequencies are to be followed, the extent of watering may vary depending on actual site conditions but should be sufficient to maintain an equivalent intensity of no less than 1.3 L/m² to achieve the dust removal efficiency. | Minimize dust impact at the nearby sensitive receivers | Contractor | All construction sites | Construction stage | @ |
| S4.3.10 | D3 | Proper watering of exposed spoil should be undertaken throughout the construction phase: Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed | Minimize dust impact at the nearby sensitive receivers | Contractor | All construction sites | Construction stage | V |
| | | or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; • Any dusty materials remaining after a stockpile is removed should be wetted with | | | | | V |
| | | water and cleared from the surface of roads; A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones. | | | | | V |
| | | The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle; | | | | | V |
| | | Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit | | | | | V |
| | | point should be paved with concrete, bituminous materials or hardcores; When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided and properly maintained as far as practicable along the site boundary with provision for public crossing; Good site practice shall also be | | | | | V |
| | | adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period; | | | | | |

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| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|-------------|-----------------|---|---|--------------------------------|---|---------------------------------|--------------------------|
| | | The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials; | | | | | V |
| | | Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously; | | | | | V |
| | | Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet: | | | | | V |
| | | Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided | | | | | V |
| | | from the first floor level up to the highest level of the scaffolding; Any skip hoist for material transport should be totally enclosed by impervious sheeting; | | | | | V |
| | | Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides; | | | | | V |
| | | Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed; | | | | | V |
| | | Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and | | | | | @ |
| | | Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies. | | | | | V |
| \$4.3.10 | D5 | Implement regular dust monitoring under EM&A programme during the construction stage. | Monitoring of dust impact | Contractor | Selected representative dust monitoring station | Construction stage | V |
| Constructio | n Noise (Airb | orne) | | | | | |
| S5.4.1 | N1 | Implement the following good site practices: only well-maintained plant should be operated on-site and plant should be serviced | Control construction airborne noise | Contractor | All construction | Construction stage | @ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|----------|-----------------|--|---|--------------------------------|--|---------------------------------|--------------------------|
| | | regularly during the construction programme; machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; | | | sites | | V |
| | | plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; | | | | | V |
| | | silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works; | | | | | V |
| | | mobile plant should be sited as far away from NSRs as possible and practicable; material stockpiles, mobile container site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities. | | | | | V |
| S5.4.1 | N2 | Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of the hoardings shall be properly maintained throughout the construction period. | Reduce the construction noise levels at low-level zone of NSRs through partial screening. | Contractor | All construction sites | Construction stage | V |
| S5.4.1 | N3 | Install movable noise barriers (typical design is wooden framed barrier with a small-cantilevered on a skid footing with 25mm thick internal sound absorptive lining), acoustic mat or full enclosure, screen the noisy plants including air compressors, generators and handheld breakers etc | Screen the noisy plant items to be used at all construction sites | Contractor | All construction sites where practicable | Construction stage | V |
| S5.4.1 | N4 | Use "Quiet plants" | Reduce the noise levels of plant items | Contractor | All construction sites where practicable | Construction stage | V |
| S5.4.1 | N5 | Loading/unloading activities should be carried out inside the full enclosure of mucking out points | Reduce the noise levels of loading/unloading activities | Contractor | Mucking out locations | Construction stage | V |
| S5.4.1 | N6 | Sequencing operation of construction plants where practicable. | Operate sequentially within the same work site to reduce the | Contractor | All construction sites where practicable | Construction stage | V |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|----------|-----------------|---|--|--------------------------------|--|---------------------------------|--------------------------|
| | | | Concern to Address | | | | |
| | | | construction airborne noise | | | | |
| S5.4.1 | N7 | Implement a noise monitoring under EM&A programme. | Monitor the construction noise levels at the selected representative locations | Contractor | Selected representative noise monitoring station | Construction stage | V |
| S5.5.2 | N8 | Install temporary noise barriers along the works area at temporary Kowloon City Ferry Pier Public Transport Interchange | Reduce temporary PTI noise | Contractor | Kowloon City Ferry Pier | Different construction stages | N/A |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|------------|-----------------|--|--|--------------------------------|--|---------------------------------|--------------------------|
| Water Qual | ity (Constru | ction Phase) | | | | | |
| S6.9.1.1 | W1 | In accordance with the Practice Note for Professional Persons on Construction Site Drainage, Environmental Protection Department, 1994 (ProPECC PN1/94), construction phase mitigation measures shall include the following: Construction Runoff At the start of site establishment (including the barging facilities), perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities. The design of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction. The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a site/sediment trap. The sediment/silt traps should be incorporated in the permanent drainage channels to enhance deposition rates. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/sand traps should be 5 minutes under maximum flow conditions. Sizes may vary depending upon the flow rate, but for a flow rate of 0.1 m³/s a sedimentation basin of 30m³ would be required and for a flow rate of 0.1 m³/s the basin would be 150 m³. The detailed design of the sand/silt traps shall be undertaken by the contractor prior to the commencement of construction. All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. Exposed slope surfaces should be covered by tarpaulin or other means. The overall slope of the site should be kept to a minimum to reduce the erosive p | quality impact from construction site runoff and general construction activities | Contractor | All construction sites where practicable | Construction stage | @ V V |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|----------|-----------------|---|---|--------------------------------|-------------------------|---------------------------------|--------------------------|
| | | | Concern to | illeasures : | | illeasures : | |
| | | | Address | | | | |
| | | and the reduction of surface sheet flows. | Addiess | | | | |
| | | All drainage facilities and erosion and sediment control structures should be | | | | | V |
| | | regularly inspected and maintained to ensure proper and efficient operation at all | | | | | • |
| | | times and particularly following rainstorms. Deposited silt and grit should be | | | | | |
| | | removed regularly and disposed of by spreading evenly over stable, vegetated | | | | | |
| | | areas. | | | | | |
| | | Measures should be taken to minimize the ingress of site drainage into excavations. | | | | | V |
| | | If the excavation of trenches in wet periods is necessary, they should be dug and | | | | | - |
| | | backfilled in short sections wherever practicable. Water pumped out from trenches | | | | | |
| | | or foundation excavations should be discharged into storm drains via silt removal | | | | | |
| | | facilities. | | | | | |
| | | Open stockpiles of construction materials (for example, aggregates, sand and fill | | | | | V |
| | | material) of more than 50m ³ should be covered with tarpaulin or similar fabric during | | | | | |
| | | rainstorms. Measures should be taken to prevent the washing away of construction | | | | | |
| | | materials, soil, silt or debris into any drainage system. | | | | | |
| | | Manholes (including newly constructed ones) should always be adequately covered | | | | | V |
| | | and temporarily sealed so as to prevent silt, construction materials or debris being | | | | | |
| | | washed into the drainage system and storm runoff being directed into foul | | | | | |
| | | sewers. | | | | | |
| | | Precautions be taken at any time of year when rainstorms are likely, actions to be | | | | | V |
| | | taken when a rainstorm is imminent or forecasted, and actions to be taken during or | | | | | |
| | | after rainstorms are funneling in Appendix A2 of ProPECC PN 1/94. Particular | | | | | |
| | | attention should be paid to the control of silty surface runoff during storm events, | | | | | |
| | | especially for areas located near steep slopes. | | | | | |
| | | All vehicles and plant should be cleaned before leaving a construction site to ensure | | | | | @ |
| | | no earth, mud, debris and the like is deposited by them on roads. An adequately | | | | | |
| | | designed and sited wheel washing facilities should be provided at every construction | | | | | |
| | | site exit where practicable. Wash-water should have sand and silt settled out and | | | | | |
| | | removed at least on a weekly basis to ensure the continued efficiency of the process. | | | | | |
| | | The section of access road leading to, and exiting from, the wheel-wash bay to the | | | | | |
| | | public road should be paved with sufficient backfall toward the wheel-wash bay to | | | | | |
| | | prevent vehicle tracking of soil and silty water to public roads and drains. | | | | | |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|----------|-----------------|---|--|--------------------------------|-------------------------|---------------------------------|--------------------------|
| | | Oil interceptors should be provided in the drainage system downstream of any oil/fuel pollution sources. The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for the oil interceptors to prevent flushing during heavy rain. | | | | | V |
| | | Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts. | | | | | V |
| | | All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching water sensitive receivers nearby. | | | | | @ |
| | | Adopt best management practices All the earth works involving should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable. | | | | | V V |
| S6.9.1.2 | W2 | Tunnelling Works and Underground Works | To minimize | Contractor | All tunneling | Construction | N/A |
| | | Cut-&-cover tunneling work should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable. Uncontaminated discharge should pass through sedimentation tanks prior to off-site discharge The wastewater with a high concentration of SS should be treated (e.g. by sedimentation tanks with sufficient retention time) before discharge. Oil interceptors would also be required to remove the oil, lubricants and grease from the wastewater. Direct discharge of the bentonite slurry (as a result of D-wall and bored tunneling construction) is not allowed. It should be reconditioned and reused wherever practicable. Temporary storage locations (typically a properly closed warehouse) should be provided on site for any unused bentonite that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC PN 1/94 should be adhered to in the handling and disposal of bentonite | water quality impact from tunneling works | | portion | stage | |
| S6.9.1.3 | W3 | slurries. Sewage Effluent | To minimize | Contractor | All | Construction | |
| | | Portable chemical toilets and sewage holding tanks are recommended for handling | | | construction sites | stage | V |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|----------|-----------------|---|--|--------------------------------|--|---------------------------------|--------------------------|
| | | | | | where practicable | | |
| S6.9.1.5 | W4 | and be responsible for appropriate disposal and maintenance. Groundwater from Potential Contaminated Area: No direct discharge of groundwater from contaminated areas should be adopted. A discharge license under the WPCO through the Regional Office of EPD for groundwater results indicated that the groundwater to be generated from the excavation discharge should be applied. Prior to the excavation works within these potentially contaminated areas, the groundwater quality should be reviewed during the process of discharge license application. The compliance to the Technical Memorandum on Standards for Effluents Discharged into Drainage on Sewerage Systems, Inland and Coastal Waters (TM-DSS) and the existence of prohibited substance should be confirmed. If the review works would be contaminated, the contaminated groundwater should be either properly treated in compliance with the requirements of the TM-DSS or properly recharged into the ground. If wastewater treatment is deployed, the wastewater treatment unit shall deploy suitable treatment process (e.g. oil interceptor / activated carbon) to reduce the pollution level to an acceptable standard and remove any prohibited substances (e.g. TPH) to undetectable range. All treated effluent from wastewater treatment plant shall meet the requirements as stated in TM-DSS and should be discharged into the foul sewers. If groundwater recharging wells are deployed, recharging wells should be installed as appropriate for recharging the contaminated groundwater back into the ground. The recharging wells should be selected at places where the groundwater quality will not be affected by the recharge operation as indicated in the Section 2.3 of TM-DSS. The baseline groundwater quality shall be determined prior to the selection of the recharge wells, and submit a working plan (including the laboratory analytical | from contaminated area | Contractor | Excavation areas where contamination is found. | Construction stage | V |
| | | results showing the quality of groundwater at the proposed recharge location(s) as well as the pollutant levels of groundwater to be recharged) to EPD for agreement. Pollution levels of groundwater to be recharged shall not be higher than pollutant levels of ambient groundwater at the recharge well. Prior to recharge, any prohibited substances such as TPH products should be removed as necessary by installing | | | | | |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures the petrol interceptor. | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|-----------|-----------------|---|--|--------------------------------|---|---------------------------------|--------------------------|
| S6.7.2.1 | W5 | Temporary Reclamation During temporary reclamation, regular litter / rubbish clearance and avoidance of illegal discharges within the embayed marine water should be undertaken. During temporary reclamation, the perimeter silt curtain should be deployed. | To minimize water quality impact from temporary reclamation | Contractor | Temporary Reclamation | Construction stage | v v |
| S6.9.1.6 | W6 | Accidental spillage In order to prevent accidental spillage of chemicals, the following is recommended: All the tanks, containers, storage area should be bunded and the locations should be locked as far as possible from the sensitive watercourse and stormwater drains. The Contractor should register as a chemical waste producer if chemical wastes would be generated. Storage of chemical waste arising from the construction activities should be stored with suitable labels and warnings. Disposal of chemical wastes should be conducted in compliance with the requirements as stated in the Waste disposal (Chemical Waste) (General) Regulation. | accidental spillage | Contractor | All construction sites where practicable | Construction stage | v v |
| \$6.9.2.2 | W7 | Dredging Works The following good practice shall apply for the dredging works: Install efficient silt curtains, i.e. at least 75% SS reduction, at the point of seawall dredging to control the dispersion of SS; Implement water quality monitoring to ensure effective control of water pollution and recommend additional mitigation measures required; The decent speed of grabs should be controlled to minimize the seabed impact and to reduce the volume of over-dredging; All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; The dredging rates by closed grab dredgers for temporary marine channel outside pipepile wall shall be less than 1,500 m³/day and 125 m³/hour (without concurrent dredging with T2 in dry season only) or 750 m³/day and 62.5 m³/hour for other conditions respectively. Dredging works shall be only for the provision marine channel. No dredging work is | | Contractor | Kai Tak Barging Point during dredging works | Dredging period | N/A N/A N/A N/A |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|-----------|-----------------|--|---|--------------------------------|---|---------------------------------|--------------------------|
| | | required for temporary reclamation; and The workfront of temporary reclamation shall be surrounded by cofferdams and the associated excavation and backfilling works for temporary reclamation shall have no contact with seawater. | | | | | N/A |
| \$6.9.2.2 | W8 | In dry season, the dredging rate shall be less than 1500m³/day if no concurrent projects. | sediment suspension during dredging if the District Cooling System for Kai Tak Development would be operated in the same period | Contractor | Kai Tak Barging Point during dredging works | Dredging period | V V V N/A |
| | | • In case the DCS would be operated during the dredging period of CKR, silt screen shall be provided for WSR2. | | | | | N/A |
| S6.9.2 | W9 | Handling of Dredged Sediment / Barging Operation: All barges should be fitted with tight bottom seals to prevent leakage of materials during transport; | To minimize and mitigate the water disturbance during | Contractor | All land- based site and proposed Kwai Chung | Construction stage | N/A |
| | | Barges or hoppers should not be filled to a level that will cause overflow of materials or polluted water during loading or transportation; | dredged sediment handling/barging | | barging point | | V |
| | | All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not | | | | | V |
| | | generated by turbulence from vessel movement or propeller wash; and Loading of barges and hoppers should be controlled to prevent splashing of material into the currounding water. | | | | | V |
| | | into the surrounding water. Mitigation measures for land-based activities as outlined above should be applied to minimise water quality impacts from site runoff and open stockpile spoils at the | | | | | N/A |

| EIA Ref. | EM&A | Recommended Mitigation Measures | Objectives of the | Who to | Location of the | When to | Implementation |
|----------|---------|---|---------------------|---------------|-----------------|-----------------|----------------|
| | Log Ref | | Recommended | implement the | measure | implement the | Status |
| | | | Measures & Main | measures? | | measures? | |
| | | | Concern to | | | | |
| | | | Address | | | | |
| | | proposed barging facilities where appropriate. | | | | | |
| S6.9 | W10 | Implement a marine water quality monitoring programme | Monitor marine | Contractor | At identified | Prior to and | N/A |
| | | | water quality prior | | monitoring | during dredging | |
| | | | to and during | | location | period | |
| | | | dredging period | | | | |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|----------|-----------------|--|--|--------------------------------|------------------------------|---------------------------------|--------------------------|
| | | Construction Waste) | I | 1 | 1 | 1 | T |
| S7.4.1 | WM1 | On-site sorting of C&D material Geological assessment should be carried out by competent persons on site during excavation to identify materials which are not suitable to use as aggregate in structural concrete (e.g. volcanic rock, Aplite dyke rock, etc). Volcanic rock and Aplite dyke rock should be separated at the source sites as far as practicable and stored at designated stockpile areas preventing them from delivering to crushing facilities. The crushing plant operator should also be reminded to set up measures to prevent unsuitable rock from ended up at concrete batching plants and be turned into concrete for structural use. Details regarding control measures at source site and crushing facilities should be submitted by the Contractors for the Engineer to review and agree. In addition, site records should also be kept for the types of rock materials excavated and the traceability of delivery will be ensured with the implementation of Trip Ticket System and enforced by site supervisory staff as stipulated under DEVB TC(W) No. 6/2010 for tracking of the correct delivery to the rock crushing facilities for processing into aggregates. Alternative disposal option for the reuse of volcanic rock and Aplite Dyke rock, etc should also be explored. | concrete batching plants and be turned into concrete for structural use | Contractor | All construction sites | Construction stage | V |
| \$7.5.1 | WM2 | Construction and Demolition Material Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; Carry out on-site sorting; Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; Adopt 'Selective Demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible; Implement a trip-ticket system for each works contract to ensure that the disposal of C&E materials are properly documented and verified; and Implement an enhanced Waste Management Plan similar to ETWBTC (Works) No 19/2005 – "Environmental Management on Construction Sites" to encourage on-site sorting of C&D materials and to minimize their generation during the course or construction. | generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal | Contractor | All construction sites | Construction stage | V V V V V |
| S7.5.1 | WM3 | C&D Waste Standard formwork or pre-fabrication should be used as far as practicable in order to | Good site practice to minimize the waste | Contractor | All construction | Construction stage | V |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|----------|-----------------|--|--|--------------------------------|-------------------------|---------------------------------|--------------------------|
| | | minimise the arising of C&D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Use of wooden hoardings should not be used, as in other projects. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage. The Contractor should recycle as much of the C&D materials as possible on-site. Public fill and C&D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites should be considered for such segregation and storage. | the C&D materials as far as practicable so as to reduce the amount for final disposal | | sites | | V |
| S7.5.1 | WM5 | Land-based and Marine-based Sediment All construction plant and equipment shall be designed and maintained to minimize the risk of silt, sediments, contaminants or other pollutants being released into the water column or deposited in the locations other than designated location; All vessels shall be sized such that adequate draft is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; Before moving the vessels which are used for transporting dredged material, excess material shall be cleaned from the decks and exposed fittings of vessels and the excess materials shall never be dumped into the sea except at the approved locations; Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action. The Contractors shall monitor all vessels transporting material to ensure that no dumping outside the approved location takes place. The Contractor shall keep and produce logs and other records to demonstrate compliance and that journeys are consistent with designated locations and copies of such records shall be submitted to the engineers; The Contractors shall comply with the conditions in the dumping licence. All bottom dumping vessels (Hopper barges) shall be fitted with tight fittings seals to their bottom openings to prevent leakage of material; The material shall be placed into the disposal pit by bottom dumping; Contaminated marine mud shall be transported by spit barge of not less than 750m³ capacity and capable of rapid opening and discharge at the disposal site; | | Contractor | Along CKR alignment | Construction Stage | N/A |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|----------|-----------------|--|---|--------------------------------|------------------------------|---------------------------------|--------------------------|
| | | Discharge shall be undertaken rapidly and the hoppers shall be closed immediately. Material adhering to the sides of the hopper shall not be washed out of the hopper and the hopper shall remain closed until the barge returns to the disposal site. For Type 3 special disposal treatment, sealing of contaminant with geosynthetic containment before dropping into designated mud pit would be a possible arrangement. A geosynthetic containment method is a method whereby the sediments are sealed in geosynthetic containers and, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping at the disposal site, thereby fulfilling the requirements for fully confined mud disposal. | | | | | |
| S7.5.1 | WM6 | Chemical Waste Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; have a capacity of less than 450 liters unless the specification has been approved by the EPD; and display a label in English and Chinese in accordance with instructions | proper storage, handling and disposal. | Contractor | All construction sites | Construction stage | V @ |
| | | The storage area for chemical wastes should be clearly labelled and used solely for the storage of chemical waste; enclosed on at least 3 sides; have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20 % of the total volume of waste stored in that area, whichever is the greatest; have adequate ventilation; covered to prevent rainfall entering; and arranged so that incompatible materials are adequately separated. Disposal of chemical waste should be via a licensed waste collector; be to a facility | | | | | V |
| | | licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers a chemical waste collection service and can supply the necessary storage containers; or be to a reuser of the waste, under approval from the EPD. | | | | | · |

| EIA Ref. | EM&A | Recommended Mitigation Measures | Objectives of the | Who to | Location of | When to | Implementation |
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| | Log Ref | | Recommended | implement | the measure | implement the | Status |
| | | | Measures & Main | the | | measures? | |
| | | | Concern to Address | measures? | | | |
| S7.5.1 | WM7 | General Refuse | Minimize production of the | Contractor | All | Construction | |
| | | General refuse generated on-site should be stored in enclosed bins or compaction units | general refuse and avoid | | construction | stage | @ |
| | | separately from construction and chemical wastes. | odour, pest and litter | | sites | | |
| | | A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law. | | | | | V |
| | | Aluminium cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible. | | | | | V |
| | | Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor. | | | | | V |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended | Who to implement the | Location of the measure | When to implement the | Implementation Status |
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| | Log Itel | | Measures & Main | measures? | measure | measures? | Otatus |
| | | | Concern to Address | | | | |
| Land Conta | mination | | | | | | |
| S8.10, | LC1 | Land contamination investigation works (including field works and laboratory testing at the | Minimize the | Contractor | EBH1, EBH2 | Commencement | |
| S8.12 & | | Kowloon City Ferry Pier Public Transport Interchange (KCFP-PTI) and the To Kwa Wan | potentially adverse | | and EBH3 | of construction | |
| Appendi | | Vehicle Examination Centre (TKW-VEC) were carried out from 14 April 2018 to 2 January | environmental | | | works at the | |
| x 8.4 | | 2019. In order to minimise the potentially adverse environmental impacts arising from the | impacts arising from | | | Kowloon City | |
| | | handling of potentially contaminated materials, the following environmental mitigation | the handling | | | Ferry Pier Public | |
| | | measures are proposed during the course of soil excavation, stockpiling and backfilling works: | of potentially | | | Transport | |
| | | Excavation profiles must be properly designed and executed. | contaminated | | | Interchange (PTI) | V |
| | | Stockpiling site(s) shall be lined with impermeable sheeting and bunded. Stockpiles shall | materials | | | (for EBH1 & | V |
| | | be fully covered by impermeable sheeting to reduce dust emission. | | | | EBH2) and the | |
| | | • Excavation and stockpiling should be carried out during dry season as far as possible to | | | | works area | V |
| | | minimise potentially contaminated runoffs from the Concerned Soil. | | | | adjacent to the | |
| | | • The truck transferring Concerned Soil shall be covered entirely by impervious sheeting to | | | | To Kwa Wan | V |
| | | ensure that the dusty materials do not leak from the truck. | | | | Vehicle | |
| | | • Temporary fencing or warning ribbons will be provided to the boundary of excavation, | | | | Examination | V |
| | | slope crest and temporarily stockpiled areas. Where necessary, the exposed areas should | | | | Centre (for | |
| | | be temporarily covered with impermeable sheeting during heavy rainstorm. | | | | EBH3) | |
| | | | | | | | |
| | | | | | | | |

| EIA Ref. | EM&A Log Ref | | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
|-----------------------|-----------------|---|--|---|--------------------------------|-------------------------|---------------------------------|--------------------------|
| Landscape S10.10.1 | & Visuai LV3 | • | Cood Site Management | Minimize visual impact | Contractor | Within | Construction | V |
| Table | LV3 | • | Good Site Management Large temporary stockpiles of excavated material shall be covered with unobtrusive | • | Contractor | Project Site | Phase | V |
| 10.11 | | | sheeting to prevent dust and dirt spreading to adjacent landscape areas and vegetation, | | | | | |
| | | | and to create a neat and tidy visual appearance. | | | | | |
| | | | Construction plant and building material shall be orderly and carefully stored in order to | | | | | |
| | | | create a neat and tidy visual appearance. | | | | | |
| S10.10.1 | LV4 | • | Screen Hoarding | Minimize visual impact | Contractor | Within | Construction | V |
| Table | | | Decorative screen hoarding should be erected to screen the public from the construction | | | Project Site | Phase | |
| 10.11 | | | area. It should be designed to be compatible with the existing urban context. | | | | | |
| S10.10.1 | LV5 | • | <u>Lighting Control during Construction</u> | Minimize visual impact | Contractor | Within | Construction | V |
| Table | | | All lighting in the construction site shall be carefully controlled to minimize light pollution | | | Project Site | Phase | |
| 10.11 | | | and night-time glare to nearby residencies and GIC. The contractor shall consider other | | | | | |
| | | | security measures, which shall minimize the visual impacts. | | _ | | | |
| S10.10.1 | LV6 | • | Erosion Control | Minimize landscape | Contractor | Within | Construction | V |
| Table | | | The potential for soil erosion shall be reduced by minimizing the extent of vegetation | impact | | Project Site | Phase | |
| 10.11 | 11/7 | _ | disturbance on site and by providing a protective cover over newly exposed soil. | NAC-1 | 0 | VAC de l'e | Danis and | |
| S10.10.1 | LV7 | • | Tree Protection & Preservation | Minimize landscape | Contractor | Within | Design and | V |
| Table 10.11 | | | Carefully protected during construction. Tree protection measures will be detailed at the Tree Removal Application stage and plans submitted to the relevant Government | · · | | Project Site | Construction Phase | |
| 10.11 | | | Department for approval in due course in accordance with ETWB TC no. 3/2006. | | | | Filase | |
| S10.10.1 | LV9 | • | Compensatory Planting | Minimize landscape | Contractor | Within | Construction | N/A |
| Table | LVJ | | For trees unavoidably affected by the Project that have to be removed, where practical | · · | Contractor | Project Site | Phase | IN/A |
| 10.11 | | | transplantation will be chosen as the top priority method of removal but if this is not | - | | and | 1 11000 | |
| | | | possible or practical compensatory planting will be provided for trees unavoidably felled. | | | designated | | |
| | | | All felled trees shall be compensated for by planting trees to the satisfaction of relevant | | | off-site | | |
| | | | Government departments. Required numbers and locations of compensatory trees shall | | | locations | | |
| | | | be determined and agreed separately with Government during the Tree Felling Application | | | | | |
| | | | process under ETWBTC 3/2006. | | | | | |
| | | | Compensatory tree planting may be incorporated into public open spaces and along | | | | | |
| | | | roadside amenity areas affected by the construction works and therefore be part of the | | | | | |
| | | | bigger wider planting plans. Onsite compensation planting is preferred but if necessary, | | | | | |

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|----------------------------|-----------------|--|---|--------------------------------|-------------------------|---------------------------------|--------------------------|
| | | additional receptor sites outside the Works Area shall be agreed separately with Government during the Tree Felling Application process. | | | | | |
| S10.10.1 Table 10.11 | LV10 | Screen Planting Tall screen/buffer trees, shrubs and climbers should be planted, in so far as is possible, to soften and screen proposed structures such as roads and central strip, vertical edges and buildings and to enhance streetscape greening effect where appropriate. Indiscriminate use of trees for screening must be avoided and the principle of 'right tree for the right place must be followed. This detail will be provided at the Detailed Design stage. This measure may additionally form part of the compensatory planting and will improve and create a pleasant pedestrian environment. | landscape. | Contractor | Within Project Site | Construction Phase | N/A |
| S10.10.1 Table 10.11 | LV11 | Green Roof Roof greening will be established on ventilation and administration buildings to reduce exposure to untreated concrete surfaces and particularly mitigate visual impact to VSRs at high levels. | · · | Contractor | Within Project Site | Construction Phase | N/A |
| S10.10.1 Table 10.11 | LV12 | Reinstatement All works areas, excavated areas and disturbed areas for tunnel construction and temporary road diversion or any other proposed works shall be reinstated to former conditions or better, with reasonable landscape treatment and to the satisfaction of the relevant Government departments. (Specific mitigation for disturbance to public open space is detailed separately under LV14) | | Contractor | Within Project Site | Construction Phase | N/A |
| S10.10.1 Table 10.11 | LV14 | Landscape enhancement Implement a comprehensive landscape plan to maximize the greening opportunity and create a unique landscape for the project to blend in with the surrounding, including in reprovisioned areas. In particular: landscape enhancement of re-provisioned Public Transport Interchange; landscape deck on tunnel portals; viaduct planters for trailer planting; vertical greening of piers and walls with climbers or trailer planting; roadside planting i.e. planting along central dividers and on road islands e.g. in the middle of roundabouts. (Roadside planting i.e. at the road edge and not in the central divider or road island, and vertical greening may be considered part of Screen Planting). Purpose-built maintenance access without temporary traffic arrangement must be | | Contractor | Along tunnel alignment | Construction phase | N/A |

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|----------|---------|--|--------------------|---------------|-------------|---------------|----------------|
| | Log Ref | | Recommended | implement the | the measure | implement the | Status |
| | | | Measures & Main | measures? | | measures? | i l |
| | | | Concern to Address | | | | |
| | | provided and detailed design of landscape decks and planting, including details of | | | | | |
| | | maintenance access locations, will be sent to maintenance and management parties for | | | | | i l |
| | | endorsement and ensures these mitigation measures are feasible. | | | | | ľ |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concern to Address | Who to implement the measures? | Location of the measure | When to implement the measures? | Implementation Status |
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| | | t (Construction and Operational Phase) | | | Т | 1 | ı |
| S11.4.4 | CH1 | The contractor should be alerted during the construction on the possibility of locating archaeological remains and as a precautionary measure, AMO shall be informed immediately in case of discovery of antiquities or supposed antiquities in the subject sites. | heritage items which may | Contractor | During construction works for cut and cover tunnels | During the construction phase | N/A |
| S11.6 para 3 | CH2 | The dredging contractor should be alerted during the construction on the possibility of locating archaeological remains, such as cannon and AMO shall be informed immediately in case of discovery of antiquities or supposed antiquities in the subject areas. | heritage items which may | Contractor | During construction of underwater tunnel (north of To Kwa Wan Typhoon Shelter) | During the construction phase | N/A |
| S12.6.1, Table 12.2 | CH8 | A monitoring system for settlement, vibration and tilting will be determined and implemented pending determination of the future grading. A monitoring proposal will be submitted to AMO before commencement of work if a historic building grade is accorded. | from damage from | Contractor | Kowloon City Ferry Pier (CKR-13) | During the construction phase | N/A |
| S12.6.1, Table 12.2 | CH9 | No mitigation is required at present. If the public pier is granted Grade 1, Grade 2 or Grade 3 status, the mitigation will be revised to adhere to the requirements for protective measures for Graded Historic Buildings | | Contractor | Ma Tau Kok Public Pier (CKR-16) | During the construction phase | N/A |
| S12.6.1, Table 12.2 | CH10 | A monitoring system for settlement, vibration and tilting will be determined and implemented pending determination of the future grading. A monitoring proposal will be submitted to AMO before commencement of work if a historic building grade is accorded. | from damage from | Contractor | The Kowloon City Vehicular Ferry Pier (CKR-17) | During the construction phase | N/A |

| EIA Ref. | EM&A Log Ref | Recommended Mitigation Measures | Objectives of the Recommended | Who to implement | Location of the measure | When to implement the measures? | Implementation Status |
|----------|-----------------|---|-------------------------------|------------------|-------------------------|---------------------------------|--------------------------|
| | | | Measures & Main | the | | | |
| | | | Concern to Address | measures? | | | |
| EM&A Pro | ject | | | 1 | , , | | 1 |
| S13.2 | EM1 | An Independent Environmental Checker needs to be | Control EM&A | Highways | All | Construction stage | V |
| | | employed as per the EM&A Manual. | Performance | Department | construction | | |
| | | | | | sites | | |
| S13.2 | EM2 | 1) An Environmental Team needs to be employed as per the | Perform environmental | Highways | All | Construction | V |
| -13.4 | | EM&A Manual. | monitoring & auditing | Department / | construction | stage | |
| | | 2) Prepare a systematic Environmental Management | | Contractor | sites | | V |
| | | Plan to ensure effective implementation of the mitigation | | | | | |
| | | measures. | | | | | |
| | | 3) An environmental impact monitoring needs to be | | | | | V |
| | | implementing by the Environmental Team to ensure all | | | | | |
| | | the requirements given in the EM&A Manual are fully | | | | | |
| | | complied with. | | | | | |

Legends:

V = implemented;

X = not implemented;

@ = partially implemented;

N/A = not applicable

APPENDIX D

Summary of Action and Limit Levels

Appendix D - Summary of Action and Limit Levels

Table 1 Action and Limit Levels for 24-hour TSP

| ID | Location | Action Level | Limit Level |
|--------|---------------------------------------|--------------|-------------|
| E-A14a | Block B of Merit Industrial Centre | 197.3 μg/m³ | 260 μg/m³ |

Table 2 Action and Limit Levels for 1-hour TSP

| ID | Location | Action Level | Limit Level |
|--------|---------------------------------------|--------------|-------------|
| E-A14a | Block B of Merit Industrial Centre | 302.4 μg/m³ | 500 μg/m³ |

Table 3 Action and Limit Levels for Construction Noise (0700 – 1900 hrs of normal weekdays)

| ID | Location | Action Level | Limit Level | |
|--------|---------------------------------------|---|-------------|--|
| E-N12a | 19 Hing Yan Street | When one documented complaint is received | 75 dB(A) | |
| E-N21a | Block B of Merit Industrial Centre | When one documented complaint is received | 75 dB(A) | |

Appendix D AECOM

Table 4 Derived Action and Limit Levels for Water Quality

| Parameters | Action Level | Limit Level | |
|---|--|--|--|
| Dissolved Oxygen (DO) in mg/L ⁽¹⁾ | Surface & Middle: 4.03 (5th percentile of baseline data for surface and middle layer) Bottom: 3.94 (5th percentile of baseline data for bottom layer) | Surface & Middle: 3.88 (1st percentile of baseline data for surface and middle layer) Bottom: 2.00 | |
| Suspended Solids (SS) in mg/L ⁽²⁾ | 13.80 (95th percentile of baseline data) or 120% of upstream control station's SS at the same tide of the same day | 18.70 (99th percentile of baseline data) or 130% of upstream control station's SS at th | |
| Turbidity in NTU ⁽²⁾ | 7.00 (95th percentile of baseline data) or 120% of upstream control station's Turbidity at the same tide of the same day | 8.40 (99th percentile of baseline data or 130% of upstream control station's Turbidity at the same tide of the same day | |
| Copper in μg/L ⁽²⁾ | 2.00 (95th percentile of baseline data) or 120% of upstream control station's nutrient level at the same tide of the same day | 3.00 (99th percentile of baseline data) or 130% of upstream control station's nutrient level at the same tide of the same day or whichever is the less | |
| Total PAH in μg/L ⁽²⁾ | 1.60 (95th percentile of baseline data) or 120% of upstream control station's nutrient level at the same tide of the same day | 1.60 (99th percentile of baseline data) or 130% of upstream control station's nutrient level at the same tide of the same day or whichever is the less | |

Note: 1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.

Appendix D AECOM

^{2.} For turbidity, SS, Copper and Total PAH, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

APPENDIX E

Calibration Certificates of Equipments



RECALIBRATION
DUE DATE:

June 5, 2021

Certificate of Calibration

Calibration Certification Information

Cal. Date: June 5, 2020

Rootsmeter S/N: 438320

Ta: 295

°K

Operator: Jim Tisch

100131116161 5/11. 430320

Pa: 748.0

mm Hg

Calibration Model #: TE-5025A

Δ

Calibrator S/N: 0988

| Run | Vol. Init (m3) | Vol. Final (m3) | ΔVol. (m3) | ΔTime (min) | ΔP (mm Hg) | ΔH (in H2O) |
|-----|-------------------|--------------------|---------------|----------------|---------------|----------------|
| 1 | 1 | 2 | 1 | 1.3610 | 3.2 | 2.00 |
| 2 | 3 | 4 | 1 | 0.9700 | 6.4 | 4.00 |
| 3 | 5 | 6 | 1 | 0.8630 | 7.9 | 5.00 |
| 4 | 7 | 8 | 1 | 0.8240 | 8.8 | 5.50 |
| 5 | 9 | 10 | 1 | 0.6800 | 12.9 | 8.00 |

| | | Data Tabulat | ion | | |
|--------------|------------------|--|--------|----------------|---|
| Vstd (m3) | Qstd (x-axis) | $\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$ (y-axis) | Va | Qa (x-axis) | $\sqrt{\Delta H \Big(\text{Ta/Pa} \Big)}$ (y-axis) |
| 0.9900 | 0.7274 | 1.4101 | 0.9957 | 0.7316 | 0.8881 |
| 0.9858 | 1.0162 | 1.9943 | 0.9914 | 1.0221 | 1.2560 |
| 0.9838 | 1.1399 | 2.2296 | 0.9894 | 1.1465 | 1.4042 |
| 0.9826 | 1.1924 | 2.3385 | 0.9882 | 1.1993 | 1.4728 |
| 0.9771 | 1.4369 | 2.8203 | 0.9828 | 1.4452 | 1.7762 |
| | m= 1.98556 | | | m= | 1.24332 |
| QSTD | b= | -0.03069 | QA | b= | -0.01933 |
| 40.0 | r= 0.99996 | | | r= | 0.99996 |

| | Calculation | s | |
|-------|--|--------------|--|
| Vstd= | ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta) | Va= | ΔVol((Pa-ΔP)/Pa) |
| Qstd= | Vstd/∆Time | Qa≠ | Va/ΔTime |
| | For subsequent flow rat | e calculatio | ns: |
| Qstd= | $1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right)-b\right)$ | Qa= | $1/m\left(\left(\sqrt{\Delta H\left(Ta/Pa\right)}\right)-b\right)$ |

| | Standard Conditions | |
|--|------------------------------|--|
| Tstd: | 298.15 °K | |
| Pstd: | 760 mm Hg | |
| | Key | |
| ΔH: calibrator | manometer reading (in H2O) | |
| ΔP: rootsmete | er manometer reading (mm Hg) | |
| Ta: actual abs | olute temperature (*K) | |
| Pa: actual bar | ometric pressure (mm Hg) | |
| b: intercept | | |
| m: slope | | |
| Marine Control of the | | |

RECALIBRATION

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Tisch Environmental, Inc. 145 South Miami Avenue Village of Cleves, OH 45002

www.tisch-env.com

TOLL FREE: (877)263-7610

FAX: (513)467-9009

AECOM Asia Company Limited Tisch TSP Mass Flow Controlled High Volume Air Sampler Field Calibration Report

| Station | Block B, Merit Industrial Centre (E-A14a) 22/9/2020 | | | Operator: | Choi W | Choi Wing Ho | | | |
|---|--|---|---|-------------------------------------|--------------------------------|-----------------------------------|-----------|--|--|
| Cal. Date: | | | | Next Due Date: | 22/11 | 22/11/2020 | | | |
| lodel No.: | TE-5170 | - 2 | | Serial No. | 103 | 380 | - | | |
| quipment No.: | A-001-15T | _ | | м. | | | | | |
| | | | Ambient (| Condition | | | | | |
| Temperature | e, Ta (K) | 305 | | Pa (mmHg) | | 754.4 | | | |
| 1,040,00° 200,000,000 00° | | | 94 MC000000000000000000000000000000000000 | | | 3-4-5-6-10-1-1-1 | | | |
| | | 0 | rifice Transfer Sta | andard Information | | | 1 (C) | | |
| Serial I | No: | 988 | Slope, mc | 1.98 | 3556 | Intercept, bc | -0.0306 | | |
| Last Calibrat | tion Date: | 5-Jun-20 | | mc x Qstd + bc = | = (H v (Pa/760) v | (298/Ta)] ^{1/2} | | | |
| Next Calibrat | tion Date: | 5-Jun-21 | | me x Qstu + be - | [11 x (1 a/ /00) x | (276/14)] | | | |
| | | , | A 111 | | | | lessonali | | |
| | | C | Orfice Calibration of | TSP Sampler | HV: | S Flow Recorder | 100 | | |
| Desistavas Dista | | | | | 1 | | | | |
| Resistance Plate No. | DH (orifice), in. of water | [DH x (Pa/760) x (298/Ta)] ^{1/2} | | Qstd (m ³ /min) X - axis | Flow Recorder Reading (CFM) | Continuous Flor Reading IC (CF | | | |
| 18 | 7.1 | | 2.62 | 1.34 | 45.0 | 44.32 | | | |
| 13 | 6.0 | | 2.41 | 1.23 | 40.0 | 39.39 | 9 | | |
| 10 | 5.0 | | 2.20 | 1.12 | 35.0 | 34.47 | 7 | | |
| 7 | 4.0 | | 1.97 | | 29.0 | 28.56 | 3 | | |
| 5 | 2.9 | -1000 | 1.68 | 0.86 | 22.0 | 21.67 | 7 | | |
| By Linear Regress Slope , mw = Correlation Coeffi | 47.7102 cient* = | | 9998 | Intercept, bw = | -19. | 3681 | - | | |
| If Correlation Coef | ficient < 0.990, ch | eck and recalibra | ate. | | | | | | |
| | | | Set Point (| Calculation | | | | | |
| rom the TSP Field | Calibration Curv | e, take Qstd = 1.3 | 30m³/min | | | | | | |
| rom the Regression | on Equation, the " | Y" value accordir | ng to | | | | | | |
| | | | | | 10 | | | | |
| | | mw x | Qstd + bw = IC x | : [(Pa/760) x (298/Ta | a)]"² | | | | |
| Therefore, Set Poin | nt: IC = / mw x Os | td + bw) x [(760 | /Palv/Ta/298 | \1 ^{1/2} = | | 43.31 | | | |
| nerciore, oct i on | it, 10 – (iliw x 40 | 14 · D# / X [(100 | 714/20 | /1 | 79 | 40.01 | - | | |
| | | | | | | | | | |
| Remarks: | | | | | | | | | |
| | | | | | | | | | |
| | | AN | | 2 | | Date: 22/9 | 1 | | |

EQUIPMENT CALIBRATION RECORD

| Type: | | | | Laser Du | ıst Moni | tor | | | |
|--|--|-----------------------------------|-------------|-----------------------------|--|---|--------------------|--|--|
| Manufacturer/Brand: | | | | SIBATA | | | | | |
| Model | No.: | | | LD-3 | | | | | |
| Equipr | ment No.: | | | A.005.07a | | | | | |
| Sensitivity Adjustment Scale Setting: Operator: | | | | 557 CPN | Λ | | | | |
| | | | | Mike She | k (MSKN | м) | | | |
| Standa | rd Equipment | | | | | | | | |
| Equipr | ment: | Run | nrecht 8 | Patashnick ` | TEOM® | | | | |
| Venue | | | | ii Ying Seco | The state of the s | chool) | | ====================================== | |
| Model | | | ies 1400A | | madi y O | onoon | | To F | |
| Serial | | | | 140AB21989 | 99803 | | | | |
| 001101 | | | | 1200C14365 | | Ko: 12500 | 8 | | |
| Last C | alibration Date*: | | ay 2020 | 200011000 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | |
| *Remar | ks: Recommend | ed interva | l for hardv | vare calibra | tion is 1 | year | | | |
| Calibra | tion Result | | | | | | | | |
| | ivity Adjustment ivity Adjustment | | | | 50.000 | 557 CP | | | |
| Hour | Date | Т | Time | | pient | Concentration ¹ | Total | Count/ | |
| 1 | (dd-mm-yy) | | | | dition | (mg/m ³) | Count ² | Minute ³ | |
| | | | | Temp | R.H. | Y-axis | | X-axis | |
| | | | | (°C) | (%) | 100000000000000000000000000000000000000 | | 71.00 | |
| 1 | 02-05-20 | 09:15 | - 10:1 | 5 26.7 | 77 | 0.04836 | 1945 | 32.42 | |
| 2 | 02-05-20 | 10:15 | - 11:1 | 5 26.7 | 77 | 0.05134 | 2056 | 34.27 | |
| 3 | 02-05-20 | 11:15 | - 12:1 | 5 26.8 | 77 | 0.05331 | 2130 | 35.50 | |
| 4 | 02-05-20 | 12:15 | - 13:1 | | 77 | 0.05535 | 2214 | 36.90 | |
| Slope | 2. Total Count 3. Count/minu ar Regression of (K-factor): ation coefficient: | was logge te was cal Y or X | ed by Lase | er Dust Mon y (Total Cou | itor | ashnick TEOM® | | | |
| Validit | y of Calibration I | Record: | 2 May | 2021 | | | | | |
| Remark | s: | | | | | | | - | |
| | ······································ | | An to | | 10 | | | d d | |
| QC R | eviewer: YW I | Fung | Sig | nature: | 1/ | Date | e: 04 Ma | ay 2020 | |

EQUIPMENT CALIBRATION RECORD

| Type: | | | - | Laser Du | st Moni | tor | | |
|---------|--------------------|----------------------------------|-------------------------|--------------|-----------------|----------------------------|--------------------|---------------------|
| | acturer/Brand: | | | SIBATA | | | | |
| Model | | | | LD-3 | | | | |
| 975,01 | ment No.: | Caala Cattina. | | 4.005.09a | | | | |
| Sensit | ivity Adjustment | Scale Setting: | | 797 CPN | 7 | | | |
| Opera | tor: | | | Mike She | k (MSKN | Л) | | |
| Standa | rd Equipment | | | | | | | |
| Equipr | ment: | Rupprech | t & Pat | ashnick i | TFOM® | | | |
| Venue | | Cyberport | | | | chool) | | - 11- - 1 |
| Model | | Series 14 | | ing occo | naury o | onou) | | |
| Serial | | Control: | Day Control of the Park | AB21989 | 9803 | | an - a - a - a | |
| Ochlar | 140. | Sensor: | | OC14365 | HEINELD CANASAN | Ko: 12500 |) | |
| Last C | alibration Date*: | | _ | 0014000 | 3000 | 1.6. 12000 | | |
| *Remar | ks: Recommend | ed interval for ha | ardwar | e calibrat | ion is 1 | year | | |
| Calibra | tion Result | | | | | | | |
| Sensit | ivity Adjustment | Scale Setting (E | Before | Calibratio | n): | | PM | |
| Sensit | ivity Adjustment | Scale Setting (A | After Ca | alibration |): | | PM | |
| Hour | Date | Time | 11 - 11 20 | Amb | | Concentration ¹ | Total | Count/ |
| | (dd-mm-yy) | X. | | Cond | | (mg/m ³) | Count ² | Minute ³ |
| | | | | Temp (°C) | R.H. (%) | Y-axis | | X-axis |
| 1 | 02-05-20 | 09:45 - 1 | 0:45 | 26.7 | 77 | 0.04884 | 1956 | 32.60 |
| 2 | 02-05-20 | | 1:45 | 26.7 | 77 | 0.05157 | 2070 | 34.50 |
| 3 | 02-05-20 | | 2:45 | 26.8 | 77 | 0.05355 | 2158 | 35.97 |
| 4 | 02-05-20 | 9/1/2/1/2 | 3:45 | 26.8 | 77 | 0.05593 | 2241 | 37.35 |
| Note: | | | | C 1111 | 10.1751 | ashnick TEOM® | 2241 | 37.33 |
| By Line | 2. Total Count | was logged by life was calculate | Laser [| Dust Mon | itor | | | |
| | ation coefficient: | | 974 | | | | | |
| | y of Calibration I | s 1.*0 | 1ay 202 | 21 | | | | |
| Remark | s: | | - 11 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | ß |
| | - 100 m | | | | 10 | 7 | | |
| QC R | eviewer: YW F | ung | Signat | ture: | V/ | Dat | e: _04 Ma | ay 2020 |
| | | | | | 1 | | | |



港黄竹坑道37號利達中心12樓 12/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong, E-mail: smec@cigismec.com Website: www.cigismec.com

Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

Certificate No.:

20CA0318 01

Page

of

2

Item tested

Description:

Sound Level Meter (Type 1)

Microphone **B&K**

Preamp

Manufacturer: Type/Model No.: **B&K** 2250-1

4950

B&K ZC0032

Serial/Equipment No.: Adaptors used:

2681366

2665582

17190

Item submitted by

Customer Name:

AECOM ASIA CO LTD

Address of Customer:

Request No.

18-Mar-2020

Date of receipt:

Date of test:

19-Mar-2020

Reference equipment used in the calibration

Description:

Model:

Serial No.

Expiry Date:

Traceable to:

Multi function sound calibrator

B&K 4226

2288444

23-Aug-2020

CIGISMEC

Signal generator

DS 360

33873

N-011.01

10-May-2020

CEPREI

Ambient conditions

Temperature:

22 ± 1 °C

Relative humidity:

55 ± 10 %

Air pressure:

1005 ± 5 hPa

Test specifications

The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580; Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.

The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of ±20%

The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference 3 between the free-field and pressure responsess of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Jungi

Actual Measurement data are documented on worksheets.

Feng

Approved Signatory:

Date:

19-Mar-2020

Company Chop:

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

Soils & Materials Engineering Co., Ltd.

Form No CARP152-1/Issue 1/Rev C/01/02/2007



香港黃竹坑道37號利達中心12樓 12/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. E-mail: smec@cigismec.com Website: www.cigismec.com Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.:

20CA0318 01

Page

2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

| Test: | Subtest: | Status: | Expanded Uncertanity (dB) | Coverage Factor |
|-------------------------|---|---------|------------------------------|--------------------|
| Self-generated noise | A | Pass | 0.3 | |
| | С | Pass | 0.8 | |
| | Lin | Pass | 1.6 | |
| Linearity range for Leq | At reference range . Step 5 dB at 4 kHz | Pass | 0.3 | |
| _ an an a | Reference SPL on all other ranges | Pass | 0.3 | |
| | 2 dB below upper limit of each range | Pass | 0.3 | |
| | 2 dB above lower limit of each range | Pass | 0.3 | |
| Linearity range for SPL | At reference range, Step 5 dB at 4 kHz | Pass | 0.3 | |
| Frequency weightings | Α | Pass | 0.3 | |
| | A C | Pass | 0.3 | |
| | Lin | Pass | 0.3 | |
| Time weightings | Single Burst Fast | Pass | 0.3 | |
| | Single Burst Slow | Pass | 0.3 | |
| Peak response | Single 100µs rectangular pulse | Pass | 0.3 | |
| R.M.S. accuracy | Crest factor of 3 | Pass | 0.3 | |
| Time weighting I | Single burst 5 ms at 2000 Hz | Pass | 0.3 | |
| 2 | Repeated at frequency of 100 Hz | Pass | 0.3 | |
| Time averaging | 1 ms burst duty factor 1/103 at 4kHz | Pass | 0.3 | |
| | 1 ms burst duty factor 1/104 at 4kHz | Pass | 0.3 | |
| Pulse range | Single burst 10 ms at 4 kHz | Pass | 0.4 | |
| Sound exposure level | Single burst 10 ms at 4 kHz | Pass | 0.4 | |
| Overload indication | SPL | Pass | 0.3 | |
| | Leq | Pass | 0.4 | |

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

| Test: | Subtest | Status | Expanded Uncertanity (dB) | Coverage Factor |
|-------------------|------------------------|--------|------------------------------|--------------------|
| Acoustic response | Weighting A at 125 Hz | Pass | 0.3 | |
| | Weighting A at 8000 Hz | Pass | 0.5 | |

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

Calibrated by:

Date:

Fung Chi Yip

19-Mar-2020

End

Checked by

Date:

Shek Kwong Tat 19-Mar-2020

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.

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Form No CARP152-2/Issue 1/Rev C/01/02/2007



香港新界葵涌永基路22-24號好爸爸創科大廈 Good Ba Ba Hitech Building, Nos. 22-24 Wing Kei Road, Kwai Chung, New Territories, Hong Kong Tel: (852) 2873 6860 Fax: (852) 2555 7533 E-mail: smec@cigismec.com Website: www.cigismec.com



CERTIFICATE OF CALIBRATION

Certificate No.:

20CA0914 02

Page

1

of

2

Item tested

Description:

Sound Level Meter (Type 1)

Microphone B & K

Manufacturer: Type/Model No.: B & K 2238

B&K

Serial/Equipment No.:

2238 2800927 4188 2250455

Adaptors used:

2

Item submitted by

Customer Name:

AECOM ASIA CO., LTD.

Address of Customer:

Request No.:

ALGON HOM GO., ETE

Date of receipt:

14-Sep-2020

Date of test:

19-Sep-2020

Reference equipment used in the calibration

Description:

Model:

Serial No.

Expiry Date:

Traceable to:

Multi function sound calibrator

B&K 4226

2288444

23-Aug-2021

CIGISMEC

Signal generator

DS 360

61227

24-Dec-2020

CEPREI

Ambient conditions

Temperature:

22 ± 1 °C 55 ± 10 %

Relative humidity: Air pressure:

1000 ± 5 hPa

Test specifications

 The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.

 The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of +20%.

 The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsess of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Feng Junqi

Actual Measurement data are documented on worksheets.

Approved Signatory:

Date:

20-Sep-2020

Company Chop:

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument. The results apply to the item as received.

Soils & Materials Engineering Co., Ltd

Form No.CARP152-1/Issue 1/Rev.C/01/02/2007



香港新界葵涌永基路22-24號好爸爸創科大廈 Good Ba Ba Hitech Building, Nos. 22-24 Wing Kei Road, Kwai Chung, New Territories, Hong Kong Tel: (852) 2873 6860 Fax: (852) 2555 7533 E-mail: smec@cigismec.com Website: www.cigismec.com





CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.:

20CA0914 02

Page

2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

| Test: | Subtest: | Status: | Expanded Uncertanity (dB) | Coverage , Factor |
|--|---|---------|------------------------------|----------------------|
| Self-generated noise | A | Pass | 0.3 | |
| sen generales nees | C | Pass | 1.0 | 2.1 |
| | Lin | Pass | 2.0 | 2.2 |
| Linearity range for Leq | At reference range, Step 5 dB at 4 kHz | Pass | 0.3 | L . L |
| | Reference SPL on all other ranges | Pass | 0.3 | |
| | 2 dB below upper limit of each range | Pass | 0.3 | |
| | 2 dB above lower limit of each range | Pass | 0.3 | |
| Linearity range for SPL | At reference range , Step 5 dB at 4 kHz | Pass | 0.3 | |
| Frequency weightings | Α | Pass | 0.3 | |
| | С | Pass | 0.3 | |
| | Lin | Pass | 0.3 | |
| Time weightings | Single Burst Fast | Pass | 0.3 | |
| | Single Burst Slow | Pass | 0.3 | |
| Peak response | Single 100µs rectangular pulse | Pass | 0.3 | |
| R.M.S. accuracy | Crest factor of 3 | Pass | 0.3 | |
| Time weighting I | Single burst 5 ms at 2000 Hz | Pass | 0.3 | |
| | Repeated at frequency of 100 Hz | Pass | 0.3 | |
| Time averaging | 1 ms burst duty factor 1/103 at 4kHz | Pass | 0.3 | |
| ANTHER PROPERTY OF THE PROPERTY OF THE | 1 ms burst duty factor 1/104 at 4kHz | Pass | 0.3 | |
| Pulse range | Single burst 10 ms at 4 kHz | Pass | 0.4 | |
| Sound exposure level | Single burst 10 ms at 4 kHz | Pass | 0.4 | |
| Overload indication | SPL | Pass | 0.3 | |
| | Leq | Pass | 0.4 | |

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

| Test: | Subtest | Status | Expanded Uncertanity (dB) | Coverage Factor |
|-------------------|------------------------|--------|------------------------------|--------------------|
| Acoustic response | Weighting A at 125 Hz | Pass | 0.3 | |
| | Weighting A at 8000 Hz | Pass | 0.5 | |

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

Calibrated by:

Date:

25/

Fung Chi Yip 19-Sep-2020 End

Checked by

Date:

20-Sep-2020

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.

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Form No CARP152-2/Issue 1/Rev C/01/02/2007



香港黃竹坑道37號利達中心12樓 12/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. E-mail: smec@cigismec.com Website: www.cigismec.com Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

Certificate No.:

20CA0324 01

Page:

0

2

to:

Item tested

Description:

Acoustical Calibrator (Class 1)

Manufacturer:

MVI

Type/Model No.:

CAL21

Serial/Equipment No.:

34113610(2011) / N.004.11

Adaptors used:

Yes (BAC21)

Item submitted by

Curstomer:

AECOM ASIA CO., LTD.

Address of Customer:

-

Request No.: Date of receipt:

24-Mar-2020

Date of test:

25-Mar-2020

Reference equipment used in the calibration

| Description: | Model: | Serial No. | Expiry Date: | Traceable t |
|-------------------------|----------|------------|--------------|-------------|
| Lab standard microphone | B&K 4180 | 2341427 | 03-May-2020 | SCL |
| Preamplifier | B&K 2673 | 2239857 | 17-May-2020 | CEPREI. |
| Measuring amplifier | B&K 2610 | 2346941 | 05-Jun-2020 | CEPREI |
| Signal generator | DS 360 | 33873 | 10-May-2020 | CEPREI |
| Digital multi-meter | 34401A | US36087050 | 08-May-2020 | CEPREI |
| Audio analyzer | 8903B | GB41300350 | 13-May-2020 | CEPREI |
| Universal counter | 53132A | MY40003662 | 10-May-2020 | CEPREI |
| | | | | |

Ambient conditions

Temperature:

22 ± 1 °C

Relative humidity:

55 ± 10 %

Air pressure:

1005 ± 5 hPa

Test specifications

- The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B
 and the lab calibration procedure SMTP004-CA-156.
- 2, The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.
- 3. The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

Test results

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on page 2 of this certificate.

Approved Signatory:

Date:

26-Mar-2020

Company Chop:

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

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Form No CARP156-1/Issue 1/Rev.D/01/03/2007



香港 黄 竹 坑 道 3 7 號 利 達 中 心 1 2 樓 12/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. E-mall: smec@cigismec.com Website: www.cigismec.com Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.:

20CA0324 01

Page:

2

2

1, Measured Sound Pressure Level

The output Sound Pressure Level in the calibrator head was measured at the setting and frequency shown using a calibrated laboratory standard microphone and insert voltage technique. The results are given in below with the estimated uncertainties.

| | | | (Output level in dB re 20 μPa) |
|--------------------------|--|---|---|
| Frequency Shown Hz | Output Sound Pressure Level Setting dB | Measured Output Sound Pressure Level dB | Estimated Expanded Uncertainty d8 |
| 1000 | 94.00 | 94.14 | 0.10 |

2, Sound Pressure Level Stability - Short Term Fluctuations

The Short Term Fluctuations was determined by measuring the maximum and minimum of the fast weighted DC output of the B&K 2610 measuring amplifier over a 20 second time interval as required in the standard. The Short Term Fluctuation was found to be:

At 1000 Hz

STF = 0.014 dB

Estimated expanded uncertainty

0.005 dB

3, Actual Output Frequency

The determination of actual output frequency was made using a B&K 4180 microphone together with a B&K 2673 preamplifier connected to a B&K 2610 measuring amplifier. The AC output of the B&K 2610 was taken to an universal counter which was used to determine the frequency averaged over 20 second of operation as required by the standard. The actual output frequency at 1 KHz was:

At 1000 Hz

Actual Frequency = 1002.6 Hz

Estimated expanded uncertainty

0.1 Hz

Coverage factor k = 2.2

4, Total Noise and Distortion

For the Total Noise and Distortion measurement, the unfiltered AC output of the B&K 2610 measuring amplifier was connected to an Agilent Type 8903 B distortion analyser. The TND result at 1 KHz was:

At 1000 Hz

TND = 1.5 %

Estimated expanded uncertainty

0.7 %

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

Calibrated by:

End

alibrated by

Fung Chi Yip

Checked by:

Shek Kwong Tat

Date: 25-Mar-2020

Date:

26-Mar-2020

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.

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Form No.CARP156-2/Issue 1/Rev.C/01/05/2005



ALS Technichem (HK) Pty Ltd

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:

MIKE SHEK

CLIENT:

AECOM ASIA COMPANY LIMITED

ADDRESS:

13/F. TOWER 2. GRAND CENTRAL PLAZA.

138 SHATIN RURAL COMMITTEE ROAD.

SHATIN, HONG KONG

WORK ORDER:

HK2027172

SUB- BATCH:

0

LABORATORY:

HONG KONG

DATE RECEIVED: DATE OF ISSUE: 21-Jul-2020 27-Jul-2020

SPECIFIC COMMENTS

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

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

The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.

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

Equipment Type:

Multifunctional Meter

Service Nature:

Performance Check

Scope:

Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature

Brand Name/ Model No.:

YSI 6820 V2

Serial No./ Equipment No.:

00H1019 (W.026.09)

Date of Calibration:

21-July-2020

GENERAL COMMENTS

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

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganic

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WORK ORDER:

HK2027172

SUB- BATCH:

0

DATE OF ISSUE:

27-Jul-2020

CLIENT:

AECOM ASIA COMPANY LIMITED

Equipment Type: Brand Name/ Multifunctional Meter

00H1019 (W.026.09)

Model No.:

YSI 6820 V2

Serial No./

Equipment No.: Date of Calibration:

21-July-2020

Date of Next Calibration:

21-October-2020

PARAMETERS:

Conductivity

Method Ref: APHA (21st edition), 2510B

| Expected Reading (µS/cm) | Displayed Reading (µS/cm) | Tolerance (%) |
|--------------------------|---------------------------|---------------|
| 146.9 | 145.0 | -1.3 |
| 6667 | 6710 | +0.6 |
| 12890 | 12740 | -1.2 |
| 58670 | 58740 | +0.1 |
| | Tolerance Limit (%) | ±10.0 |

Dissolved Oxygen

Method Ref: APHA (21st edition), 45000: G

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) |
|-------------------------|--------------------------|------------------|
| 2.75 | 2.72 | -0.03 |
| 5.45 | 5.44 | -0.01 |
| 7.60 | 7.54 | -0.06 |
| 25.1998eX3569 | Tolerance Limit (mg/L) | ±0.20 |

pH Value

Method Ref: APHA (21st edition), 4500H: B

| Expected Reading (pH unit) | Displayed Reading (pH unit) | Tolerance (pH unit) |
|----------------------------|-----------------------------|---------------------|
| 4.0 | 3.95 | -0.05 |
| 7.0 | 6.93 | -0.07 |
| 10.0 | 9.94 | -0.06 |
| on contractives | Tolerance Limit (pH unit) | ±0.20 |

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

Ms. Lin Wai Yu, Iris

WORK ORDER:

HK2027172

SUB- BATCH:

0

DATE OF ISSUE:

27-Jul-2020

CLIENT:

AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/

YSI 6820 V2

Model No.: Serial No./

00H1019 (W.026.09)

Equipment No.: Date of Calibration:

21-July-2020

Date of Next Calibration:

21-October-2020

PARAMETERS:

Turbidity

Method Ref: APHA (21st edition), 2130B

| Expected Reading (NTU) | Displayed Reading (NTU) | Tolerance (%) |
|------------------------|-------------------------|---------------|
| 0 | 0.0 | |
| 4 | 4.1 | +2.5 |
| 10 | 10.6 | +6.0 |
| 20 | 20.6 | +3.0 |
| 50 | 50.4 | +0.8 |
| 100 | 102.3 | +2.3 |
| | Tolerance Limit (%) | ±10.0 |

Salinity

Method Ref: APHA (21st edition), 2520B

| Expected Reading (ppt) | Displayed Reading (ppt) | Tolerance (%) |
|------------------------|-------------------------|---------------|
| 0 | 0.00 | 550 |
| 10 | 10.02 | +0.2 |
| 20 | 20.05 | +0.3 |
| 30 | 29.97 | -0.1 |
| | Tolerance Limit (%) | ±10.0 |

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

Ms. Lin Wai Yu, Iris

WORK ORDER:

HK2027172

SUB- BATCH:

0

DATE OF ISSUE:

27-Jul-2020

CLIENT:

AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/ Model No.:

YSI 6820 V2

Serial No./

00H1019 (W.026.09)

Equipment No.: Date of Calibration:

21-July-2020

Date of Next Calibration:

21-October-2020

PARAMETERS:

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical

Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

| Expected Reading (°C) | Displayed Reading (°C) | Tolerance (°C) |
|---|------------------------|----------------|
| 10.5 | 10.5 | -0.0 |
| 20.0 | 19.9 | -0.1 |
| 39.5 | 39.44 | -0.1 |
| *************************************** | Tolerance Limit (°C) | ±2.0 |

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

N:5

Ms. Lin Wai Yu, Iris



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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: CLIENT: MIKE SHEK

AFCOM

AECOM ASIA COMPANY LIMITED

ADDRESS:

1501-10, 15/F, TOWER 1,

GRAND CENTRAL PLAZA,

138 SHATIN RURAL COMMITTEE ROAD, SHATIN, NEW TERRITORIES, HONG KONG

WORK ORDER:

HK2038217

SUB- BATCH:

0

LABORATORY:

HONG KONG

DATE RECEIVED:

08-Oct-2020

DATE OF ISSUE:

12-Oct-2020

SPECIFIC COMMENTS

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

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

The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.

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

Equipment Type:

Multifunctional Meter

Service Nature:

Performance Check

Scope:

Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature

Brand Name/ Model No.:

YSI 6820 V2

Serial No./ Equipment No.:

12A101545 (W.026.35)

Date of Calibration:

08-October-2020

GENERAL COMMENTS

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

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganic

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WORK ORDER:

HK2038217

SUB- BATCH:

0

DATE OF ISSUE:

12-Oct-2020

CLIENT:

AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/ Model No.:

YSI 6820 V2

Serial No./

12A101545 (W.026.35)

Equipment No.: Date of Calibration:

08-October-2020

Date of Next Calibration:

08-January-2021

PARAMETERS:

Conductivity

Method Ref: APHA (21st edition), 2510B

| Expected Reading (µS/cm) | Displayed Reading (μS/cm) | Tolerance (%) | |
|--------------------------|---------------------------|---------------|--|
| 146.9 | 143.0 | -2.7 | |
| 6667 | 6981 | +4.7 | |
| 12890 | 12564 | -2.5 | |
| 58670 | 58265 | -0.7 | |
| | Tolerance Limit (%) | ±10.0 | |

Dissolved Oxygen

Method Ref: APHA (21st edition), 45000: G

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) | | |
|-------------------------|--------------------------|------------------|--|--|
| 3.55 | 3.59 | +0.04 | | |
| 5.50 | 5.53 | +0.03 | | |
| 7.40 | 7.36 | -0.04 | | |
| ver monapol/990) | Tolerance Limit (mg/L) | ±0.20 | | |

pH Value

Method Ref: APHA (21st edition), 4500H: B

| Expected Reading (pH unit) | Displayed Reading (pH unit) | Tolerance (pH unit) | | |
|----------------------------|-----------------------------|---------------------|--|--|
| 4.0 | 4.09 | +0.09 | | |
| 7.0 | 6.98 | -0.02 | | |
| 10.0 | 10.04 | +0.04 | | |
| | Tolerance Limit (pH unit) | ±0.20 | | |

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

Ms. Lin Wai Yu, Iris

WORK ORDER:

HK2038217

SUB- BATCH:

0

DATE OF ISSUE:

12-Oct-2020

CLIENT:

AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/

YSI 6820 V2

Model No.: Serial No./

Equipment No.: Date of Calibration:

12A101545 (W.026.35)

08-October-2020

Date of Next Calibration:

08-January-2021

PARAMETERS:

Turbidity

Method Ref: APHA (21st edition), 2130B

| Expected Reading (NTU) | Displayed Reading (NTU) | Tolerance (%) | |
|------------------------|-------------------------|---------------|--|
| 0 | 0.0 | (##/) | |
| 4 | 4.0 | +0.0 | |
| 10 | 9.5 | -5.0 | |
| 20 | 20.1 | +0.5 | |
| 50 | 46.5 | -7.0 | |
| 100 | 93.00 | -7.0 | |
| | Tolerance Limit (%) | ±10.0 | |

Salinity

Method Ref: APHA (21st edition), 2520B

| Expected Reading (ppt) | Displayed Reading (ppt) | Tolerance (%) | |
|------------------------|-------------------------|---------------|--|
| 0 | 0.03 | w.w. | |
| 10 | 10.31 | +3.1 | |
| 20 | 20.70 | +3.5 | |
| 30 | 31.32 | +4.4 | |
| | Tolerance Limit (%) | ±10.0 | |

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

Ms. Lin Wai Yu, Iris

WORK ORDER:

HK2038217

SUB- BATCH:

0

DATE OF ISSUE:

12-Oct-2020

CLIENT:

AECOM ASIA COMPANY LIMITED

Equipment Type:

Multifunctional Meter

Brand Name/

YSI 6820 V2

Model No.: Serial No./

Concern a Provincia com a Company (No. 1900)

Equipment No.: Date of Calibration: 12A101545 (W.026.35)

08-October-2020

Date of Next Calibration:

08-January-2021

PARAMETERS:

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical

Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

| Expected Reading (°C) | Displayed Reading (°C) | Tolerance (°C) | | |
|-----------------------|------------------------|----------------|--|--|
| 10.0 | 9.97 | -0.0 | | |
| 20.0 | 19.82 | -0.2 | | |
| 39.5 | 40.68 | +1.2 | | |
| | Tolerance Limit (°C) | ±2.0 | | |

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

1:5

Ms. Lin Wai Yu, Iris

APPENDIX F

EM&A Monitoring Schedules

Central Kowloon Route – Kai Tak West Impact Environmental Monitoring Schedule for October 2020

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|---------------------|-------------|-------------|-------------|-------------|
| - | | | | 1-Oct | | 3-Oct |
| | | | | | | 24-hour TSP |
| | | | | | | 1-hour TSP |
| | | | | | | |
| 4-Oct | 5-Oct | 6-Oct | 7-Oct | 8-Oct | 9-Oct | 10-Oct |
| | | | | | 24-hour TSP | 1 1 1 |
| | | | | | 1-hour TSP | |
| | | | | | Noise | |
| | | | | | | |
| 11-Oct | 12-Oct | 13-Oct | 14-Oct | | 16-Oct | 17-Oct |
| | | | | 24-hour TSP | | |
| | | | | 1-hour TSP | | |
| | | | | Noise | | |
| 18-Oct | 19-Oct | 20-Oct | 21-Oct | 22-Oct | 23-Oct | 24-Oct |
| | | | 24-hour TSP | | | |
| | | | 1-hour TSP | | | |
| | | | Noise | | | |
| 27.0 | | | | | | |
| 25-Oct | 26-Oct | 27-Oct | 28-Oct | 29-Oct | 30-Oct | 31-Oct |
| | | 24-hour TSP | | | | |
| | | 1-hour TSP Noise | | | | |
| | | INOISE | | | | |
| T | | | | | | |

The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc)

Air Quality Monitoring Station

E-A14a: Block B of Merit Industrial Centre

Noise Monitoring Stations

E-N12a: 19 Hing Yan Street

E-N21a: Block B of Merit Industrial Centre

Monitoring Frequency

24-hour TSP: Once every 6 days

1-hour TSP: 3 times every 6 days (as required in case of complaints)

Monitoring Frequency

Once per week

Central Kowloon Route – Kai Tak West Tentative Impact Environmental Monitoring Schedule for November 2020

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|------------------------------------|---------|------------------------------------|------------------------------------|------------------------------------|---------------------------|
| 1-Nov | | 3-Nov | 4-Nov | 5-Nov | 6-Nov | 7-Nov |
| | 24-hour TSP 1-hour TSP Noise | | | | | 24-hour TSP 1-hour TSP |
| 8-Nov | 9-Nov | 10-Nov | 11-Nov | 12-Nov | 13-Nov | 14-Nov |
| | | | | | 24-hour TSP 1-hour TSP Noise | |
| 15-Nov | 16-Nov | 17-Nov | 18-Nov | 19-Nov | 20-Nov | 21-Nov |
| | | | | 24-hour TSP 1-hour TSP Noise | | |
| 22-Nov | 23-Nov | 24-Nov | 25-Nov | 26-Nov | 27-Nov | 28-Nov |
| | | | 24-hour TSP 1-hour TSP Noise | | | |
| 29-Nov | 30-Nov | | | | | |
| | | | | | | |

The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc)

Air Quality Monitoring Station

E-A14a: Block B of Merit Industrial Centre

Noise Monitoring Stations

E-N12a: 19 Hing Yan Street

E-N21a: Block B of Merit Industrial Centre

Monitoring Frequency

24-hour TSP: Once every 6 days

1-hour TSP: 3 times every 6 days (as required in case of complaints)

Monitoring Frequency

Once per week

Central Kowloon Route - Kai Tak West Water Quality Monitoring Schedule October 2020

| Sunday | Monday | Monday Tuesday | | Thursday | Friday | Saturday | |
|-----------|---------------------------------|----------------|----------------------------------|-----------|---|---------------------------------|--|
| • | | | | 1-Oct-20 | 2-Oct-20 | 3-Oct-20 | |
| | | | | | | | |
| 4-Oct-20 | 5-Oct-20 | 6-Oct-20 | 7-Oct-20 | 8-Oct-20 | 9-Oct-20 | 10-Oct-20 | |
| | Mid-Ebb 1:57 Mid-Flood 8:17 | | Mid-Ebb 2:27 Mid-Flood 9:45 | | | Mid-Ebb 5:06 Mid-Flood 18:06 | |
| 11-Oct-20 | 12-Oct-20 | 13-Oct-20 | 14-Oct-20 | 15-Oct-20 | 16-Oct-20 | 17-Oct-20 | |
| | Mid-Ebb 8:21 Mid-Flood 16:19 | | Mid-Ebb 10:11 Mid-Flood 17:03 | | Mid-Ebb 11:49 Mid-Flood 18:02 | | |
| 18-Oct-20 | 19-Oct-20 | 20-Oct-20 | 21-Oct-20 | 22-Oct-20 | 23-Oct-20 | 24-Oct-2 | |
| | Mid-Ebb 1:30 Mid-Flood 8:08 | | Mid-Ebb 3:02 Mid-Flood 10:10 | | Mid-Ebb ¹ 5:10 Mid-Flood ¹ 17:40 | | |
| 25-Oct-20 | 26-Oct-20 | 27-Oct-20 | 28-Oct-20 | 29-Oct-20 | 30-Oct-20 | 31-Oct-20 | |
| | | | Mid-Ebb 10:26 Mid-Flood 17:07 | | Mid-Ebb 11:38 Mid-Flood 17:49 | | |

^{1.}The impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

The tide prediction was based on the predicted tide data at Quarry Bay from Hong Kong Observatory. The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc)

Central Kowloon Route - Kai Tak West Tentative Water Quality Monitoring Schedule November 2020¹

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|-----------|---------------------------------|-----------|--------------------------------|-----------|---------------------------------|-----------|
| 1-Nov-20 | 2-Nov-20 | 3-Nov-20 | 4-Nov-20 | 5-Nov-20 | 6-Nov-20 | 7-Nov-20 |
| | Mid-Ebb 0:58 Mid-Flood 7:29 | | Mid-Ebb 1:23 Mid-Flood 9:17 | | Mid-Ebb 2:35 Mid-Flood 10:41 | |
| 8-Nov-20 | 9-Nov-20 | 10-Nov-20 | 11-Nov-20 | 12-Nov-20 | 13-Nov-20 | 14-Nov-20 |
| | Mid-Ebb 5:35 Mid-Flood 19:07 | | | | | |
| 15-Nov-20 | 16-Nov-20 | 17-Nov-20 | 18-Nov-20 | 19-Nov-20 | 20-Nov-20 | 21-Nov-20 |
| | | | | | | |
| 22-Nov-20 | 23-Nov-20 | 24-Nov-20 | 25-Nov-20 | 26-Nov-20 | 27-Nov-20 | 28-Nov-20 |
| | | | | | | |
| 29-Nov-20 | 30-Nov-20 | | | | | |
| | | | | | | |

Note:

The tide prediction was based on the predicted tide data at Quarry Bay from Hong Kong Observatory. The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc)

^{1.} As we received the notification about open-sea dredging had been completed from the Contractor, the impact water quality monitoring will be suspended after 9 November 2020.

APPENDIX G

Air Quality Monitoring Results and their Graphical Presentations

Appendix G Air Quality Monitoring Results

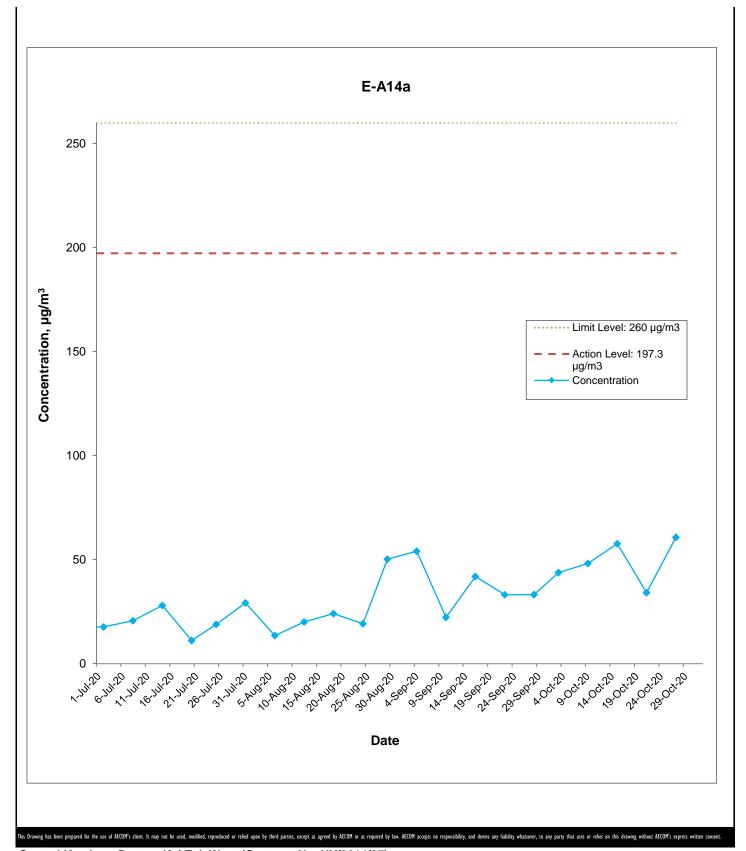
24-hour TSP Monitoring Results at Station E-A14a (Block B, Merit Industrial Centre)

| | Weather | Air | Atmospheric | Flow R | ate (m³/min.) | Av. flow | Total vol. | Filter W | eight (g) | Particulate | Elaps | e Time | Sampling | Conc. |
|-----------|-----------|------------|----------------|---------|---------------|----------|-------------------|----------|-----------|-------------|----------|----------|------------|---------|
| Date | Condition | Temp. (°C) | Pressure (hPa) | Initial | Final | (m³/min) | (m ³) | Initial | Final | weight(g) | Initial | Final | Time(hrs.) | (µg/m³) |
| 3-Oct-20 | Sunny | 28.3 | 1011.3 | 1.34 | 1.34 | 1.34 | 1925.3 | 2.6795 | 2.7637 | 0.0842 | 10242.33 | 10266.33 | 24.00 | 43.7 |
| 9-Oct-20 | Sunny | 26.0 | 1014.7 | 1.34 | 1.34 | 1.34 | 1925.3 | 2.8569 | 2.9498 | 0.0929 | 10266.33 | 10290.33 | 24.00 | 48.3 |
| 15-Oct-20 | Sunny | 26.5 | 1013.8 | 1.34 | 1.34 | 1.34 | 1925.3 | 2.7066 | 2.8177 | 0.1111 | 10290.33 | 10314.33 | 24.00 | 57.7 |
| 21-Oct-20 | Sunny | 24.5 | 1011.8 | 1.34 | 1.34 | 1.34 | 1925.3 | 2.7024 | 2.7682 | 0.0658 | 10314.33 | 10338.33 | 24.00 | 34.2 |
| 27-Oct-20 | Sunny | 25.1 | 1012.9 | 1.34 | 1.34 | 1.34 | 1925.3 | 2.6919 | 2.8089 | 0.1170 | 10338.33 | 10362.33 | 24.00 | 60.8 |
| | - | | | | | | | | | | | | Average | 48.9 |
| | | | | | | | | | | | | | Minimum | 34.2 |
| | | | | | | | | | | | | | Maximum | 60.8 |

Appendix G Air Quality Monitoring Results

1-hour TSP Monitoring Results at Station E-A14a (Block B, Merit Industrial Centre)

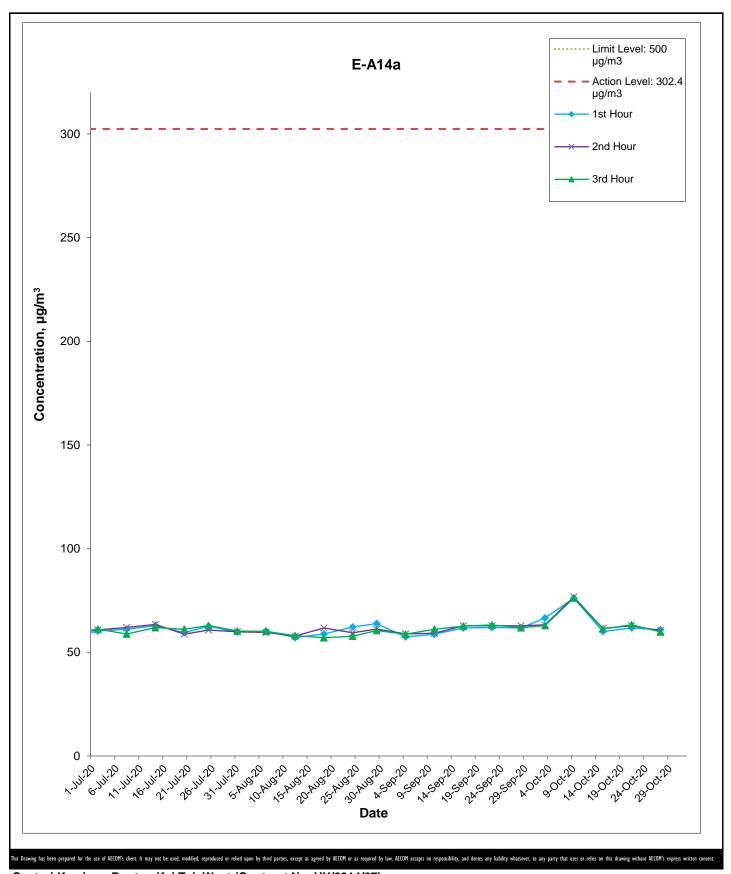
| | Start | | 1st Hour | 2nd Hour | 3rd Hour |
|-----------|---------|-----------|----------|----------|----------------------|
| | Time | Weather | Conc. | Conc. | Conc. |
| Date | (hh:mm) | Condition | (µg/m³) | (µg/m³) | (µg/m ³) |
| 3-Oct-20 | 13:30 | Sunny | 66.5 | 63.3 | 62.9 |
| 9-Oct-20 | 13:10 | Sunny | 76.1 | 76.7 | 76.2 |
| 15-Oct-20 | 13:30 | Sunny | 60.0 | 61.5 | 61.3 |
| 21-Oct-20 | 13:40 | Sunny | 61.7 | 62.8 | 63.3 |
| 27-Oct-20 | 13:42 | Sunny | 60.9 | 60.4 | 59.8 |
| | | | | Average | 64.9 |
| | | | | Min | 59.8 |
| | | | | Max | 76.7 |



Central Kowloon Route - Kai Tak West (Contract No. HY/2014/07)



Date: November 2020 Appendix G



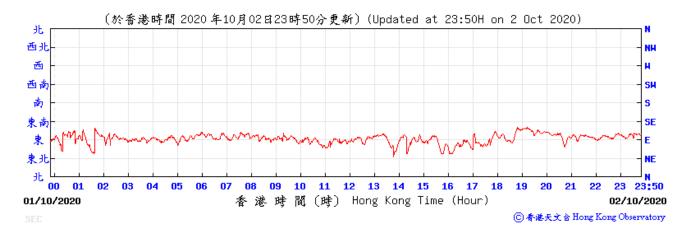
Central Kowloon Route - Kai Tak West (Contract No. HY/2014/07)

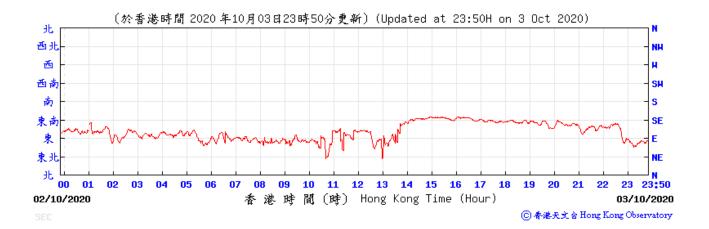


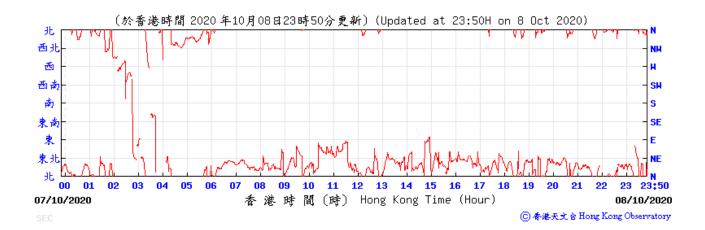
Graphical Presentation of Impact 1-hour TSP Monitoring Results

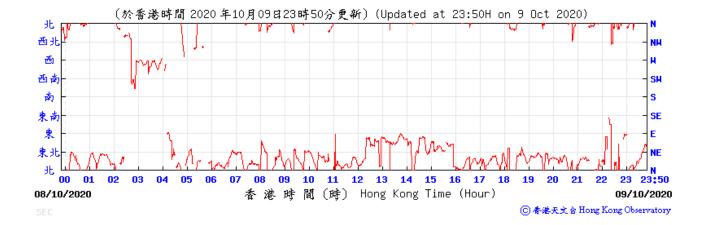
Date: November 2020 Appendix G

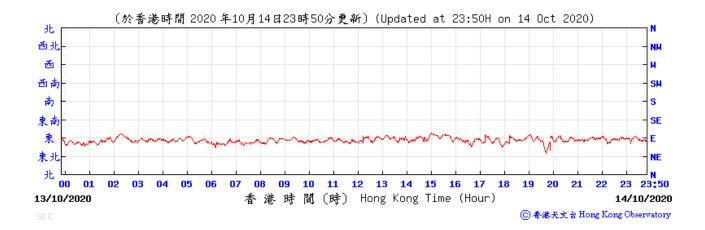
Data of Wind Direction Extracted from Kai Tak Wind Station of the Hong Kong Observatory

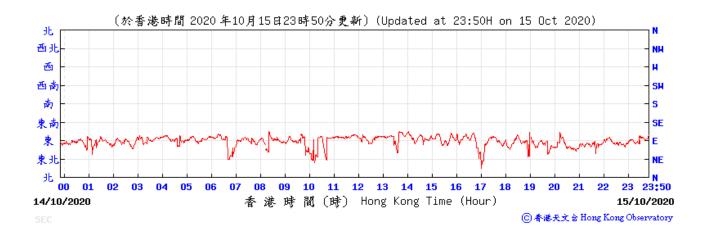


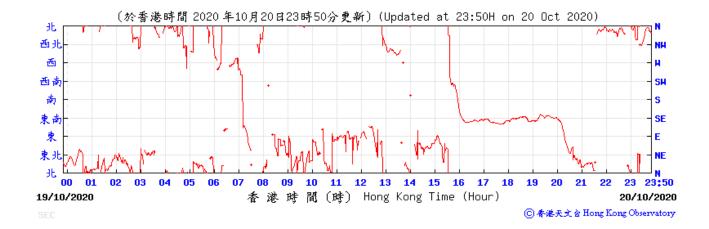




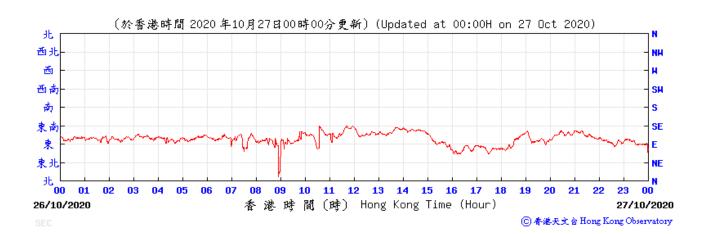






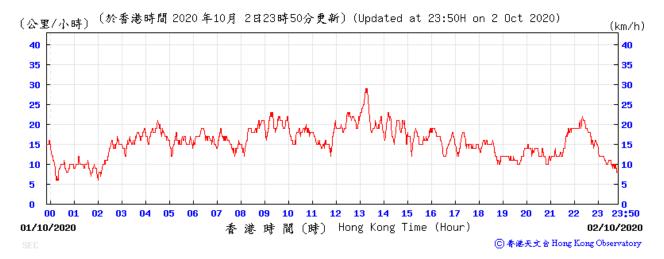




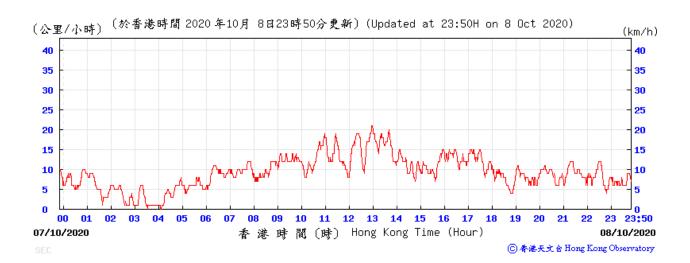




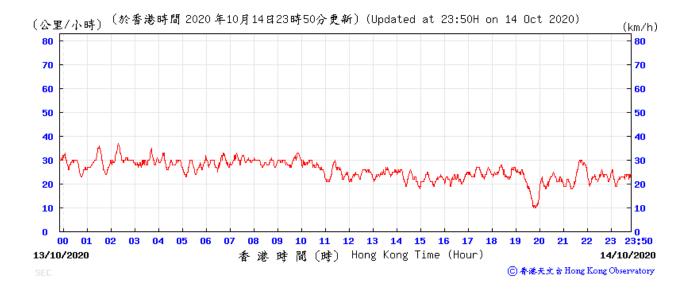
Data of Wind Speed Extracted from Kai Tak Wind Station of the Hong Kong Observatory

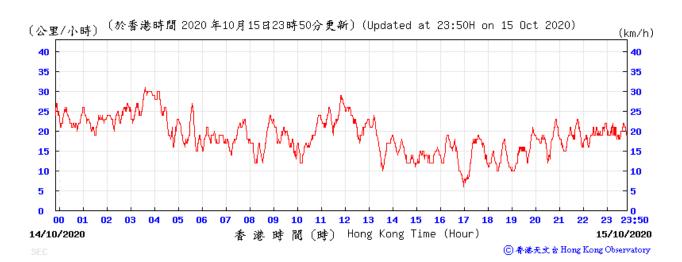






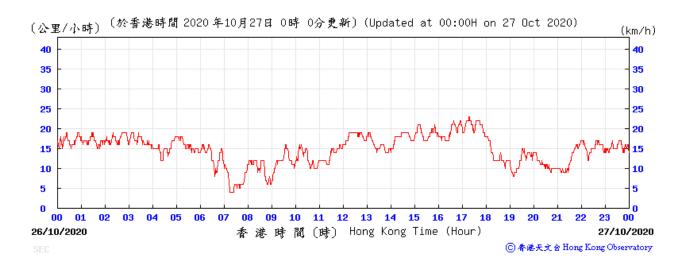














APPENDIX H

Noise Monitoring Results and their Graphical Presentations

Appendix H Regular Construction Noise Monitoring Results

Daytime Noise Monitoring Results at Station E-N12a (19 Hing Yan Street)

| Date | Weather Condition | Noise Level for 30-min, dB(A) + | | | | Limit Level, | Exceedance |
|-----------|----------------------|---------------------------------|------|------|------|--------------|------------|
| | | Time | L90 | L10 | Leq | dB(A) | (Y/N) |
| 9-Oct-20 | Sunny | 13:41 | 60.0 | 69.2 | 65.4 | 75 | N |
| 15-Oct-20 | Sunny | 13:35 | 68.1 | 70.0 | 69.3 | 75 | N |
| 21-Oct-20 | Sunny | 14:20 | 67.5 | 69.4 | 68.7 | 75 | N |
| 27-Oct-20 | Sunny | 14:46 | 63.7 | 67.3 | 65.2 | 75 | N |

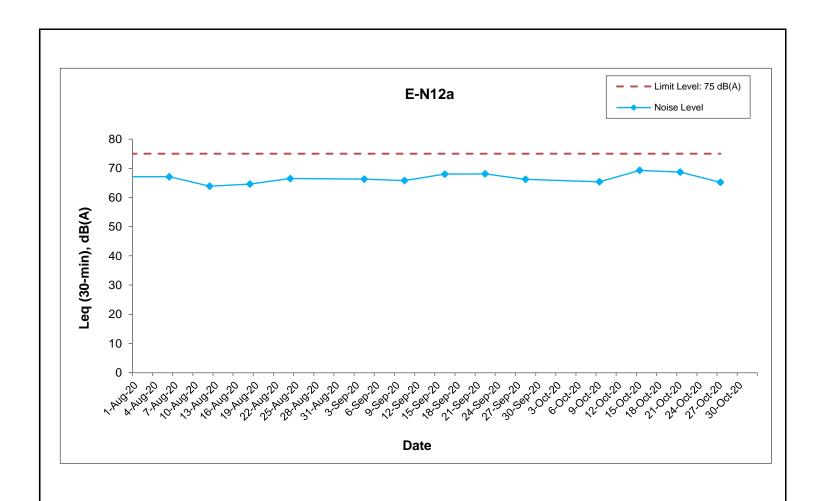
Daytime Noise Monitoring Results at Station E-N21a (Block B of Merit Industrial Centre)

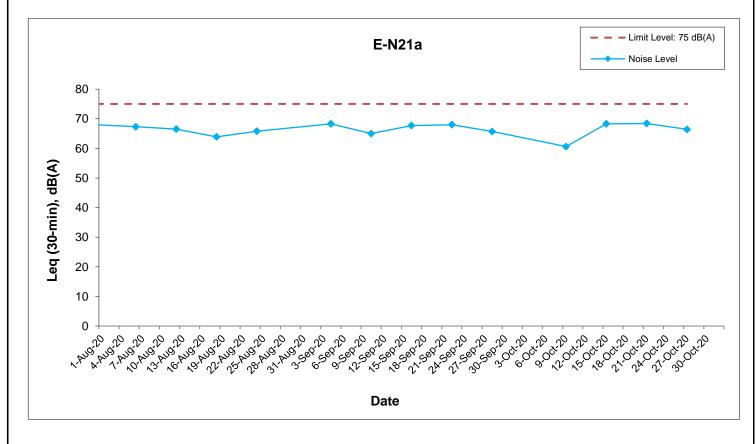
| Date | Weather Condition | Noise Level for 30-min, dB(A) # | | | | Limit Level, | Exceedance |
|-----------|----------------------|---------------------------------|------|------|------|--------------|------------|
| | | Time | L90 | L10 | Leq | dB(A) | (Y/N) |
| 9-Oct-20 | Sunny | 14:28 | 59.3 | 61.7 | 60.6 | 75 | N |
| 15-Oct-20 | Sunny | 14:25 | 67.5 | 69.7 | 68.3 | 75 | N |
| 21-Oct-20 | Sunny | 13:30 | 67.1 | 69.8 | 68.4 | 75 | N |
| 27-Oct-20 | Sunny | 13:19 | 64.3 | 68.2 | 66.4 | 75 | N |

⁺ - Façade measurement.

^{# -} A correction of +3dB(A) was made to the free field measurement.

^{* -} Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination





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Central Kowloon Route - Kai Tak West (Contract No. HY/2014/07)

AECOM

Graphical Presentation of Impact Noise Monitoring Results

Date: November 2020 Appendix H

APPENDIX I

Water Monitoring Results

Water Quality Monitoring Results at CS1 - Mid-Ebb Tide

| Water Quality | | | | i ide | | ı _ | | Conl | | | | DO Catura | tion (0/) | Dissalus | d O / . | /1 | T | oidity (NT | IN. | Cuana | dad Calid | a /aa a/l \ | C- | | ` | Tet | al PAH (ug/ | <i>n</i> > |
|---------------|-----------|----------|-----------|----------|-------|----------------|-------------|----------------|------------|--------------|---------|------------------|------------|--------------|-------------|------|--------------|------------|------|--------------|-----------|-------------|----------|------------|----------|--------------|-------------|------------|
| Date | Weather | Sampling | Sea | Depth | n (m) | | erature(°C) | | inity(ppt) | _ | H | DO Satura | . , , | | d Oxygen (r | | | , , | - / | | ded Solid | | | pper (µg/L | • | | 11.3 | , , |
| | Condition | Time | Condition | | | Value | Average | Value | Average | ! | Average | | Average | Value | Average | DA | | Average | DA | | Average | DA | | Average | DA | Value | Average | DA |
| | | | | Surface | 1.0 | 25.23 | 25.20 | 33.29 | 33.33 | 8.05 | 9.06 | 101.70 102.70 | 101.87 | 6.97 | 6.93 | | 2.30 | 2.30 | | 1.70 | 1.77 | | 1.00 | 1.00 | | <1.6 | -16 | |
| | | | | Surface | 1.0 | 25.11 25.25 | 25.20 | 33.40 33.29 | 33.33 | 8.07 8.06 | 8.06 | 102.70 | 101.67 | 6.93 6.89 | 0.93 | | 2.20 | 2.30 | | 1.70 | 1.77 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 24.46 | | 34.34 | | 8.08 | | 88.90 | | 6.18 | | 6.54 | 2.30 | | 1 | 2.30 | | ł | <1 <1 | | - | <1.6 | | - |
| 11-Sep-20 | Fine | 5:19 | Moderate | Middle | 10.4 | 24.47 | 24.48 | 34.35 | 34.31 | 8.05 | 8.07 | 87.70 | 89.03 | 5.98 | 6.15 | | 2.30 | 2.37 | 2.43 | 2.20 | 2.30 | 2.34 | 1.00 | 1.00 | 1.00 | | <1.6 | <1.6 |
| | | 5115 | | maaio | | 24.52 | 20 | 34.23 | 01.01 | 8.08 | 0.07 | 90.50 | 00.00 | 6.30 | 0.10 | | 2.50 | 2.01 | | 2.40 | 2.00 | | 1.00 | 1.00 | | <1.6 | 11.0 | |
| | | | | | | 24.38 | | 34.55 | | 8.07 | | 85.30 | | 5.85 | | | 2.80 | | İ | 2.70 | | İ | 1.00 | | 1 | <1.6 | | 1 |
| | | | | Bottom | 19.8 | 24.40 | 24.42 | 34.51 | 34.46 | 8.04 | 8.07 | 83.80 | 84.93 | 5.68 | 5.80 | 5.80 | 2.50 | 2.63 | | 3.00 | 2.97 | | <1 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 24.49 | | 34.32 | | 8.09 | | 85.70 | | 5.88 | | | 2.60 | | | 3.20 | | | 1.00 | | | <1.6 | | |
| | | | | | | 27.66 | | 31.19 | | 8.23 | | 82.00 | | 5.43 | | | 3.10 | | | 2.90 | | | 3.00 | | | <1.6 | | |
| | | | | Surface | 1.1 | 27.63 | 27.65 | 31.24 | 31.21 | 8.16 | 8.19 | 82.50 | 82.20 | 5.46 | 5.44 | | 3.10 | 3.10 | | 2.80 | 2.77 | | 3.00 | 3.00 | | <1.6 | <1.6 | |
| | | | | | | 27.66 | | 31.20 | | 8.17 | | 82.10 | | 5.43 | | 5.28 | 3.10 | | | 2.60 | | | 3.00 | | | <1.6 | | |
| | o | | | | | 26.66 | | 32.59 | | 8.19 | | 77.10 | | 5.15 | | | 3.20 | | | 3.10 | | | 3.00 | | | <1.6 | | |
| 14-Sep-20 | Cloudy | 8:34 | Moderate | Middle | 10.0 | 26.62 | 26.64 | 32.64 | 32.63 | 8.20 | 8.23 | 75.80 | 76.67 | 5.07 | 5.12 | | 3.30 | 3.27 | 3.20 | 3.40 | 3.23 | 3.28 | 2.00 | 2.67 | 2.67 | <1.6 | <1.6 | <1.6 |
| | | | | | | 26.63 26.60 | | 32.65 32.70 | | 8.29 8.30 | | 77.10 70.30 | | 5.15 4.69 | | | 3.30 | | | 3.20 3.70 | | | 3.00 | | 4 | <1.6 <1.6 | | 4 |
| | | | | Bottom | 19.1 | 26.49 | 26.59 | 32.79 | 32.70 | 8.21 | 8.23 | 68.90 | 68.70 | 4.60 | 4.59 | 4.59 | 3.30 | 3.23 | | 4.00 | 3.83 | | 2.00 | 2.33 | | <1.6 | <1.6 | |
| | | | | Dottom | | 26.67 | 20.00 | 32.60 | 02.70 | 8.19 | 0.20 | 66.90 | 00.70 | 4.47 | | | 3.20 | 0.20 | | 3.80 | 0.00 | | 2.00 | 2.00 | | <1.6 | 11.0 | |
| | | | | | | 27.73 | | 31.15 | | 8.17 | | 81.10 | | 5.69 | | | 3.20 | | | 3.00 | | | 1.00 | | \vdash | <1.6 | | = |
| | | | | Surface | 1.0 | 27.77 | 27.76 | 31.14 | 31.15 | 8.18 | 8.18 | 81.30 | 81.67 | 5.71 | 5.73 | | 3.20 | 3.20 | | 2.50 | 2.77 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 27.77 | | 31.16 | | 8.19 | | 82.60 | | 5.79 | | 5.67 | 3.20 | | | 2.80 | | | <1 | | | <1.6 | | |
| | | | | | | 27.73 | | 31.20 | | 8.20 | | 79.90 | | 5.62 | | 5.67 | 3.10 | | | 3.20 | | Ĭ | <1 | | 1 | <1.6 | | 1 |
| 16-Sep-20 | Sunny | 10:05 | Moderate | Middle | 10.9 | 27.75 | 27.73 | 31.21 | 31.21 | 8.17 | 8.18 | 79.30 | 79.73 | 5.57 | 5.60 | | 3.30 | 3.20 | 3.30 | 3.00 | 3.17 | 3.20 | <1 | <1 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 27.71 | | 31.21 | | 8.17 | | 80.00 | | 5.62 | | | 3.20 | | | 3.30 | | | <1 | | 4 | <1.6 | | 4 |
| | | | | D | 00.0 | 27.71 | 07.70 | 31.21 | 04.04 | 8.17 | 0.47 | 80.10 | 70.47 | 5.63 | | | 3.40 | 0.50 | | 3.50 | 0.07 | | 1.00 | 4.00 | | <1.6 | 4.0 | |
| | | | | Bottom | 20.6 | 27.73 | 27.73 | 31.20 | 31.21 | 8.18 | 8.17 | 79.30 | 79.47 | 5.57 | 5.59 | 5.59 | 3.50 | 3.50 | | 3.70 | 3.67 | | <1 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 27.74 | | 31.21 | | 8.17 | | 79.00 | | 5.56 | | | 3.60 | | | 3.80 | | | 1.00 | | +- | <1.6 | | + |
| | | | | Surface | 1.0 | 28.03 | 28.03 | 30.70 | 30.71 | 8.07 8.05 | 8.05 | 82.80 82.30 | 82.53 | 5.76 5.73 | 5.74 | | 2.50 | 2.60 | | 2.70 3.10 | 3.00 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | Ouridoc | 1.0 | 28.04 | 20.00 | 30.73 | 50.71 | 8.03 | 0.00 | 82.50 | 02.00 | 5.74 | 0.74 | | 2.70 | 2.00 | | 3.20 | 0.00 | | 1.00 | 1.00 | | <1.6 | <1.0 | |
| | | | | | | 28.05 | | 30.84 | | 8.06 | | 80.90 | | 5.63 | | 5.71 | 2.90 | | i | 3.40 | | t | 1.00 | | 1 | <1.6 | | 1 |
| 18-Sep-20 | Fine | 11:37 | Moderate | Middle | 10.7 | 28.08 | 28.07 | 30.92 | 30.88 | 8.02 | 8.04 | 82.10 | 81.43 | 5.72 | 5.67 | | 2.80 | 2.87 | 2.79 | 3.30 | 3.30 | 3.48 | 1.00 | 1.00 | 1.00 | | <1.6 | <1.6 |
| • | | | | | | 28.07 | | 30.89 | | 8.04 | | 81.30 | | 5.67 | | | 2.90 | | | 3.20 | | | 1.00 | | | <1.6 | | |
| | | | | | | 28.08 | | 30.91 | | 8.00 | | 81.80 | | 5.70 | | | 2.80 | | | 4.30 | | İ | 1.00 | | 1 | <1.6 | | 1 |
| | | | | Bottom | 20.3 | 28.06 | 28.07 | 30.87 | 30.89 | 8.06 | 8.03 | 80.90 | 81.33 | 5.64 | 5.67 | 5.67 | 3.00 | 2.90 | | 4.20 | 4.13 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 28.07 | | 30.90 | | 8.03 | | 81.30 | | 5.66 | | | 2.90 | | | 3.90 | | | 1.00 | | | <1.6 | | |
| | | | | | | 28.47 | | 29.79 | | 8.29 | | 78.70 | = | 5.14 | | | 3.90 | | | 2.50 | | | <1 | | | <1.6 | 4.0 | |
| | | | | Surface | 1.1 | 28.48 | 28.48 | 29.78 | 29.87 | 8.34 | 8.33 | 79.40 | 78.20 | 5.18 | 5.11 | | 3.90 | 3.87 | | 2.70 | 2.70 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.50 | | 30.05 | | 8.35 | | 76.50 | | 5.00 | | 5.01 | 3.80 | | + | 2.90 | | + | <1 | | 4 | <1.6 | | 4 |
| 21-Sep-20 | Cloudy | 1:52 | Moderate | Middle | 9.2 | 28.60 28.60 | 28.60 | 30.82 | 30.82 | 8.31 | 8.30 | 76.40 74.20 | 75.17 | 4.99 4.85 | 4.91 | | 4.00 3.90 | 3.93 | 3.92 | 3.20 | 3.23 | 3.06 | <1 <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| 21 OCP 20 | Oloddy | 1.02 | Moderate | Wilduic | 5.2 | 28.61 | 20.00 | 30.79 | 00.02 | 8.33 8.27 | 0.00 | 74.20 | 70.17 | 4.89 | 4.51 | | 3.90 | 0.50 | 0.02 | 3.20 | 0.20 | 0.00 | <1 | | | <1.6 | <1.0 | <1.0 |
| | | | | | | 28.60 | | 30.84 | | 8.30 | | 74.20 | | 4.88 | | | 4.10 | | i | 3.30 | | t | <1 | | 1 | <1.6 | | 1 |
| | | | | Bottom | 18.0 | 28.61 | 28.60 | 30.86 | 30.82 | 8.27 | 8.30 | 72.80 | 73.20 | 4.78 | 4.81 | 4.81 | 3.90 | 3.97 | | 3.40 | 3.23 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.60 | | 30.77 | | 8.33 | | 72.60 | | 4.77 | | | 3.90 | | | 3.00 | | | <1 | | | <1.6 | | |
| | | | | | | 29.10 | | 30.57 | | 8.29 | | 82.50 | | 5.35 | | | 3.60 | | | 3.20 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.0 | 29.07 | 29.10 | 30.67 | 30.58 | 8.29 | 8.29 | 86.30 | 83.53 | 5.58 | 5.41 | | 3.60 | 3.57 | | 2.70 | 2.97 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 29.13 | | 30.51 | | 8.29 | | 81.80 | | 5.30 | | 5.38 | 3.50 | | | 3.00 | | | <1 | | 4 | <1.6 | | - |
| 23-Sep-20 | Fine | 3:02 | Moderate | Middle | 9.5 | 28.94 | 28.94 | 31.22 | 31.33 | 8.29 | 8.29 | 81.50 | 82.70 | 5.28 | 5.36 | | 3.40 | 3.53 | 3.56 | 2.60 | 2.70 | 3.08 | <1 | <1 | <1 | <1.6 | -16 | <1.6 |
| 23-3ep-20 | rille | 3.02 | Woderate | ivildale | 9.5 | 28.94 28.95 | 20.94 | 31.36 31.41 | 31.33 | 8.28 8.30 | 0.29 | 82.40 84.20 | 02.70 | 5.34 5.45 | 5.50 | | 3.60 | 3.33 | 3.30 | 2.80 | 2.70 | 3.00 | <1 <1 | <1 | < 1 | <1.6 | <1.6 | <1.0 |
| | | | | | | 28.97 | | 31.41 | | 8.29 | | 81.30 | | 5.43 | | | 3.50 | | | 3.70 | | | <1 | | 4 | <1.6 | | 4 |
| | | | | Bottom | 18.1 | 28.97 | 28.96 | 31.24 | 31.30 | 8.27 | 8.29 | 82.20 | 82.37 | 5.32 | 5.34 | 5.34 | 3.60 | 3.57 | | 3.40 | 3.57 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.95 | | 31.48 | | 8.30 | | 83.60 | | 5.42 | | | 3.60 | | | 3.60 | | | <1 | | | <1.6 | - | |
| | | | | | | 29.26 | | 31.25 | | 8.00 | | 97.70 | | 6.28 | | | 3.50 | | | 1.80 | | | 1.00 | | | <1.6 | | |
| | | | | Surface | 1.1 | 29.28 | 29.27 | 31.70 | 31.59 | 7.98 | 7.97 | 96.50 | 96.60 | 6.20 | 6.21 | | 3.50 | 3.53 | | 1.80 | 1.77 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 29.28 | | 31.83 | | 7.94 | | 95.60 | | 6.14 | | 6.18 | 3.60 | | | 1.70 | | | 1.00 | | | <1.6 | | |
| | _ | | | | | 29.29 | | 31.64 | | 7.99 | | 96.60 | | 6.23 | | | 3.50 | | | 2.40 | | | 1.00 | | | <1.6 | | |
| 25-Sep-20 | Fine | 5:58 | Moderate | Middle | 10.1 | 29.28 | 29.29 | 31.99 | 31.81 | 7.93 | 7.96 | 94.20 | 95.63 | 6.05 | 6.15 | | 3.50 | 3.50 | 3.53 | 2.50 | 2.47 | 2.30 | 1.00 | 1.00 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 29.29 | | 31.81 | | 7.96 | | 96.10 | | 6.17 | | | 3.50 | | | 2.50 | | | 1.00 | | 4 | <1.6 | | - |
| | | | | Bottom | 19.1 | 29.28 | 29.27 | 31.88 | 31.86 | 7.95 7.98 | 7.94 | 95.60 | 95.40 | 6.14 | 6.13 | 6.13 | 3.50 | 3.57 | | 2.70 | 2.67 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Dottom | 15.1 | 29.29 29.25 | 25.21 | 31.64 32.06 | 31.00 | 7.90 | 7.54 | 96.60 | 33.40 | 6.21 6.03 | 0.13 | 0.13 | 3.50 | 3.37 | | 2.70 | 2.07 | | 1.00 | 1.00 | | <1.6 | <1.0 | |
| | | 1 | | | | 28.81 | | 32.02 | | 8.08 | | 96.00 | | 6.20 | | | 4.50 | | | 3.20 | | | <1 | | - | <1.6 | | - |
| | | | | Surface | 1.0 | 28.81 | 28.81 | 32.00 | 32.00 | 8.15 | 8.14 | 94.30 | 94.77 | 6.10 | 6.12 | | 4.40 | 4.47 | | 3.50 | 3.33 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.80 | | 31.99 | | 8.19 | | 94.00 | | 6.07 | Ī | 0.40 | 4.50 | | | 3.30 | | | <1 | | | <1.6 | l. | |
| | | | | | | 28.92 | | 32.19 | | 8.12 | | 94.00 | | 6.06 | | 6.12 | 4.50 | | | 4.10 | | | <1 | | 1 | <1.6 | | 1 |
| 28-Sep-20 | Cloudy | 8:53 | Moderate | Middle | 10.6 | 28.93 | 28.92 | 32.19 | 32.18 | 8.16 | 8.11 | 93.60 | 94.93 | 6.03 | 6.12 | | 4.40 | 4.43 | 4.47 | 4.40 | 4.27 | 4.74 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.90 | | 32.17 | | 8.05 | | 97.20 | | 6.27 | | | 4.40 | | | 4.30 | | | <1 | | | <1.6 | | |
| | | | | | | 28.91 | | 32.22 | | 8.02 | | 100.40 | | 6.47 | | | 4.50 | | | 6.50 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 20.0 | 28.92 | 28.92 | 32.20 | 32.20 | 8.11 | 8.10 | 94.30 | 96.10 | 6.08 | 6.20 | 6.20 | 4.50 | 4.50 | | 6.80 | 6.63 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.92 | | 32.19 | | 8.16 | | 93.60 | | 6.04 | | | 4.50 | | | 6.60 | | | <1 | | — | <1.6 | | |
| l | | | | Curton | 1.4 | 28.87 | 20.00 | 31.72 | 21.00 | 7.92 | 7.00 | 79.10 | 77.07 | 5.54 | E 44 | | 3.50 | 2.42 | | 3.90 | 4.07 | | <1 | -4 | 1 | <1.6 | -1.0 | |
| İ | 1 | | | Surface | 1.1 | 28.89 | 28.88 | 31.67 | 31.69 | 7.92 | 7.90 | 77.20 | 77.87 | 5.38 | 5.44 | | 3.40 | 3.43 | | 4.00 | 4.07 | | <1 | <1 | 1 | <1.6 | <1.6 | |
| l | | | | | | 28.88 28.87 | | 31.68 31.71 | | 7.85 7.93 | | 77.30 75.80 | | 5.39 5.30 | | 5.40 | 3.40 | | 1 | 4.30 4.80 | | † | <1 <1 | | + | <1.6 <1.6 | | - |
| 30-Sep-20 | Fine | 10:27 | Moderate | Middle | 10.5 | 28.87 | 28.87 | 31.73 | 31.71 | 7.93 | 7.91 | 79.10 | 76.90 | 5.51 | 5.37 | | 3.80 | 3.73 | 3.76 | 4.80 | 4.90 | 5.52 | <1 | <1 | 1.00 | | <1.6 | <1.6 |
| | | | | | . 3.0 | 28.87 | _5.5. | 31.70 | | 7.89 | 1 | 75.80 | | 5.30 | 1 | | 3.70 | | | 5.10 | 50 | 02 | <1 | | 1 | <1.6 | | |
| | | | | | | 28.87 | | 31.74 | | 7.90 | | 77.40 | | 5.40 | | | 4.20 | | Ī | 7.70 | | İ | 1.00 | | 1 | <1.6 | | 1 |
| | 1 | | | Bottom | 20.1 | 28.87 | 28.87 | 31.70 | 31.72 | 7.91 | 7.91 | 76.90 | 77.17 | 5.39 | 5.40 | 5.40 | 4.10 | 4.10 | | 7.50 | 7.60 | | 1.00 | 1.00 | 1 | <1.6 | <1.6 | |
| <u> </u> | | | | | | 28.87 | | 31.71 | | 7.92 | | 77.20 | | 5.41 | | | 4.00 | | | 7.60 | | | 1.00 | | <u> </u> | <1.6 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | Monitoring F Weather | Results at CS Sampling | 1 - Mid-Ebb Sea | | | Tempe | rature(°C) | Sanlin | ity(ppt) | F | ьН | DO Satur | ation (%) | Dissolve | d Oxygen | (mg/L) | Turt | oidity (NT | U) | Suspe | nded Solids | s (mg/L) | Cor | per (µg/L |) ¹ | Total | I PAH (μ | g/L) ¹ |
|------------------------|-------------------------|---------------------------|--------------------|---------|-------|----------------------------------|------------|----------------------------------|----------|------------------------------|---------|----------------------------------|-----------|------------------------------|----------|--------|------------------------------|------------|------|------------------------------|-------------|----------|----------------------|-----------|----------------|------------------------------|----------|-------------------|
| Date | Condition | Time | Condition | Depth | n (m) | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | | Value | Average | | Value | Average | DA | Value | Average | | Value | Average | DA |
| | | | | Surface | 1.0 | 28.53 28.54 28.54 | 28.54 | 30.36 30.30 30.34 | 30.33 | 7.34 7.36 7.35 | 7.35 | 85.30 84.30 85.00 | 84.87 | 5.87 5.80 5.85 | 5.84 | | 6.80 6.90 6.80 | 6.83 | | 3.40 3.10 3.00 | 3.17 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 5-Oct-20 | Cloudy | 0:49 | Moderate | Middle | 11.2 | 28.58 28.56 | 28.57 | 31.14 31.07 | 31.09 | 7.34 7.35 | 7.34 | 79.60 79.10 | 79.17 | 5.51 5.43 | 5.45 | 5.65 | 7.00 7.20 | 7.10 | 7.22 | 3.40 3.00 | 3.20 | 3.02 | 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 21.4 | 28.58 28.65 28.66 | 28.65 | 31.06 32.09 32.10 | 32.11 | 7.33 7.36 7.34 | 7.35 | 78.80 77.70 78.60 | 77.87 | 5.42 5.39 5.43 | 5.39 | 5.39 | | 7.73 | | 3.20 2.70 2.80 | 2.70 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | - |
| | | | | Surface | 1.0 | 28.65 28.37 28.40 | 28.38 | 32.15 32.27 32.26 | 32.27 | 7.34 8.10 8.09 | 8.09 | 77.30 87.80 88.40 | 88.03 | 5.36 5.72 5.74 | 5.73 | | 7.90 3.10 3.00 | 3.07 | | 2.60 2.60 2.30 | 2.47 | | 1.00 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 7-Oct-20 | Cloudy | 1:46 | Moderate | Middle | 10.5 | 28.38 28.52 28.51 | 28.52 | 32.27 32.42 32.43 | 32.42 | 8.09 8.06 8.06 | 8.06 | 87.90 88.50 88.30 | 88.40 | 5.72 5.73 5.72 | 5.73 | 5.73 | 4.20 | 4.17 | 4.08 | 2.50 3.20 3.40 | 3.20 | 2.72 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 20.0 | 28.52 28.65 28.65 | 28.65 | 32.40 32.65 32.64 | 32.64 | 8.06 8.04 8.05 | 8.05 | 88.40 88.50 87.90 | 88.10 | 5.73 5.72 5.68 | 5.69 | 5.69 | | 5.00 | | 3.00 2.60 2.50 | 2.50 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | 1 |
| | | | | Surface | 1.1 | 28.65 27.85 27.85 | 27.85 | 32.63 31.91 31.87 | 31.89 | 8.05 8.02 8.09 | 8.09 | 87.90 94.80 92.80 | 93.33 | 5.68 6.10 5.97 | 6.01 | | 4.90 4.40 4.20 | 4.27 | | 2.40 4.60 4.60 | 4.57 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 10-Oct-20 | Cloudy | 3:47 | Moderate | Middle | 9.7 | 27.84 27.94 27.96 | 27.96 | 31.89 31.97 31.98 | 31.98 | 8.15 8.01 8.07 | 8.07 | 92.40 95.70 93.00 | 93.70 | 5.95 6.16 5.98 | 6.03 | 6.02 | 4.20 | 4.20 | 4.21 | 4.50 3.30 3.20 | 3.33 | 3.77 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 18.5 | 27.97 27.95 27.96 | 27.96 | 31.99 32.03 32.02 | 32.03 | 8.12 7.99 8.10 | 8.05 | 92.40 98.10 92.00 | 94.33 | 5.94 6.31 5.91 | 6.06 | 6.06 | | 4.17 | | 3.50 3.20 3.60 | 3.40 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | 1 |
| | | | | Surface | 1.0 | 27.96 26.31 26.28 | 26.29 | 32.04 34.66 34.71 | 34.69 | 8.05 7.88 7.89 | 7.88 | 92.90 98.50 95.80 | 96.97 | 5.97 6.54 6.36 | 6.44 | | 4.20 2.30 2.40 | 2.33 | | 3.40 2.40 2.20 | 2.37 | | <1 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 12-Oct-20 | Sunny | 7:12 | Moderate | Middle | 10.3 | 26.28 26.10 26.14 | 26.11 | 34.71 34.89 34.89 | 34.90 | 7.88 7.87 7.88 | 7.87 | 96.60 96.80 95.20 | 96.70 | 6.42 6.44 6.33 | 6.43 | 6.44 | 2.40 | 2.47 | 2.43 | 2.50 2.50 2.10 | 2.33 | 2.51 | 1.00 1.00 1.00 | 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 19.5 | 26.08 26.16 26.14 | 26.12 | 34.91 34.85 34.86 | 34.87 | 7.85 7.89 7.87 | 7.86 | 98.10 96.40 97.70 | 97.80 | 6.53 6.41 6.50 | 6.51 | 6.51 | 2.50 2.50 2.50 | 2.50 | | 2.40 2.80 3.00 | 2.83 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | 1 |
| | | | | Surface | 1.0 | 26.07 25.18 25.18 | 25.18 | 34.91 34.83 34.83 | 34.83 | 7.83 7.93 7.93 | 7.93 | 99.30 95.30 95.10 | 95.60 | 6.61 6.44 6.43 | 6.46 | | 2.50 3.80 3.90 | 3.77 | | 2.70 6.90 7.20 | 7.03 | | 1.00 2.00 2.00 | 2.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 14-Oct-20 | Fine | 9:15 | Moderate | Middle | 10.5 | 25.17 25.18 25.18 | 25.18 | 34.83 34.83 34.82 | 34.83 | 7.94 7.93 7.93 | 7.93 | 96.40 95.40 94.80 | 95.73 | 6.52 6.44 6.41 | 6.47 | 6.47 | 4.10 | 4.00 | 4.02 | 7.00 6.60 6.40 | 6.60 | 6.59 | 2.00 2.00 2.00 | 2.00 | 1.67 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 20.1 | 25.19 25.18 25.18 25.19 | 25.18 | 34.85 34.83 34.83 | 34.84 | 7.93 7.93 7.93 7.94 | 7.93 | 97.00 95.90 94.80 | 96.50 | 6.56 6.48 6.41 | 6.52 | 6.52 | | 4.30 | | 6.80 5.90 6.40 | 6.13 | | 2.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | 1 |
| | | | | Surface | 1.1 | 25.28 25.32 | 25.30 | 34.85 34.75 34.75 | 34.75 | 8.20 8.19 | 8.20 | 98.80 90.70 90.90 | 91.07 | 6.68 6.13 6.13 | 6.14 | | 4.30 3.00 2.70 | 2.83 | | 5.40 5.30 | 5.27 | | 1.00 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 16-Oct-20 | Sunny | 10:59 | Moderate | Middle | 10.5 | 25.31 25.12 25.13 | 25.13 | 34.74 34.81 34.81 | 34.80 | 8.21 8.19 8.21 | 8.20 | 91.60 89.60 89.80 | 89.83 | 6.17 6.06 6.06 | 6.07 | 6.11 | 2.80 3.20 3.50 | 3.33 | 3.66 | 5.10 5.90 5.70 | 5.80 | 5.70 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 20.0 | 25.13 25.09 25.11 | 25.09 | 34.79 34.78 34.79 | 34.78 | 8.21 8.22 8.21 | 8.21 | 90.10 89.60 89.10 | 89.37 | 6.09 6.06 6.03 | 6.04 | 6.04 | | 4.80 | | 5.80 6.20 6.00 | 6.03 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 25.08 24.69 24.70 24.71 | 24.70 | 34.78 35.10 35.12 | 35.11 | 8.19 8.06 8.05 8.04 | 8.05 | 89.40 91.20 91.50 91.80 | 91.50 | 6.04 6.20 6.22 | 6.22 | | 2.60 2.90 | 2.73 | | 5.90 4.70 4.40 | 4.43 | | <1 <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 <1.6 | <1.6 | |
| 19-Oct-20 | Cloudy | 0:50 | Moderate | Middle | 10.6 | 24.31 24.35 24.33 | 24.33 | 35.12 35.38 35.37 35.39 | 35.38 | 8.04 8.05 8.03 | 8.04 | 91.70 91.70 91.60 | 91.67 | 6.23 6.26 6.26 6.25 | 6.26 | 6.24 | 2.70 3.80 4.00 4.10 | 3.97 | 3.82 | 4.20 4.00 3.70 3.80 | 3.83 | 3.82 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 20.2 | 24.25 24.25 24.27 | 24.26 | 35.48 35.49 35.51 | 35.49 | 8.04 8.03 8.05 | 8.04 | 92.20 92.30 92.20 | 92.23 | 6.30 6.31 6.30 | 6.30 | 6.30 | 4.90 | 4.77 | | 3.40 3.00 3.20 | 3.20 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 24.31 24.32 24.33 | 24.32 | 34.96 34.95 34.90 | 34.94 | 8.08 8.07 8.08 | 8.08 | 88.90 88.90 90.80 | 89.53 | 6.09 6.09 6.22 | 6.13 | | 2.40 | 2.40 | | 2.90 2.90 3.30 | 3.03 | | 2.00 2.00 2.00 | 2.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 21-Oct-20 | Cloudy | 2:17 | Moderate | Middle | 10.2 | 24.28 24.28 24.28 | 24.28 | 35.23 35.15 35.21 | 35.20 | 8.07 8.05 8.07 | 8.06 | 88.30 95.30 89.20 | 90.93 | 6.05 6.53 6.11 | 6.23 | 6.18 | 2.50 2.50 2.50 | 2.50 | 2.48 | 3.20 3.40 3.50 | 3.37 | 3.57 | 1.00 1.00 | 1.00 | 1.33 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 19.4 | 24.27 24.29 24.27 | 24.28 | 35.19 35.16 35.22 | 35.19 | 8.07 8.05 8.07 | 8.06 | 89.20 97.70 88.70 | 91.87 | 6.11 6.69 6.07 | 6.29 | 6.29 | 2.50 | 2.53 | | 4.50 4.30 4.10 | 4.30 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | - | | - | - | - | | - | | - | | - | | - | - | | | - | | - | - | | - | - | |
| 23-Oct-20 ² | - | - | - | Middle | - | - | - | - | - | - | - | | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| | | | | Bottom | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | Surface | 1.1 | 22.82 22.82 22.82 | 22.82 | 35.62 35.63 35.62 | 35.62 | 8.22 8.22 8.20 | 8.21 | 96.10 96.70 96.50 | 96.43 | 6.74 6.78 6.76 | 6.76 | 6 76 | 3.40 3.60 | 3.50 | | 2.20 2.50 2.30 | 2.33 | | | | | | | |
| 28-Oct-20 | Cloudy | 9:34 | Moderate | Middle | 9.7 | 22.83 22.83 22.83 | 22.83 | 35.66 35.62 35.64 | 35.64 | 8.20 8.20 8.22 | 8.21 | 97.20 95.60 96.30 | 96.37 | 6.81 6.70 6.75 | 6.75 | 6.76 | 3.50 3.50 3.50 | 3.50 | 3.51 | 2.40 2.50 2.40 | 2.43 | 2.51 | | | | | | |
| | | | | Bottom | 18.4 | 22.83 22.84 22.83 | 22.83 | 35.64 35.63 35.64 | 35.64 | 8.16 8.21 8.23 | 8.20 | 98.50 95.90 96.40 | 96.93 | 6.90 6.72 6.76 | 6.79 | 6.79 | 3.50 | 3.53 | | 2.60 2.80 2.90 | 2.77 | | | | | | | |
| | | | | Surface | 1.0 | 22.68 22.68 22.68 | 22.68 | 35.60 35.60 35.60 | 35.60 | 8.15 8.15 8.16 | 8.15 | 90.80 91.00 90.70 | 90.83 | 6.36 6.38 6.35 | 6.36 | 6 25 | 1.40 1.50 1.60 | 1.50 | | 2.60 3.20 2.80 | 2.87 | | | | | | | |
| 30-Oct-20 | Cloudy | 10:51 | Moderate | Middle | 10.5 | 22.59 22.58 22.57 | 22.58 | 35.63 35.64 35.64 | 35.64 | 8.17 8.18 8.18 | 8.18 | 90.50 90.10 89.90 | 90.17 | 6.35 6.32 6.31 | 6.33 | 6.35 | 2.80 2.60 2.60 | 2.67 | 2.51 | 3.70 3.40 4.00 | 3.70 | 3.40 | | | | | | |
| | | | | Bottom | 20.0 | 22.54 22.55 22.55 | 22.55 | 35.67 35.67 35.67 | 35.67 | 8.18 8.18 8.17 | 8.18 | 90.00 90.20 90.00 | 90.07 | 6.32 6.33 6.32 | 6.32 | 6.32 | 3.50 | 3.37 | | 3.60 3.70 3.60 | 3.63 | | | | | | | |

Note:

- 1. Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

 2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

Water Quality Monitoring Results at CS1 - Mid-Flood Tide

| Date | Weather Condition | Sampling | Sea | Depth | () | Tempera | ature(°C) | Sanlini | tv(ppt) | pł | 1 | DO Satu | ration (%) | I Dissolve | ed Oxygen (ı | ma/L) | l lu | rbidity (NTU |) | Suspe | nded Solid: | is (ma/L) | Copper (| JQ/L) | I Lota | I PAH (μο | ŋ/L) I |
|-----------|----------------------|----------|-----------|-------------|-------|----------------|-----------|----------------|---------|---------------|---------|----------------|------------|---------------|--------------|-------|---------------|--------------|------|---------------|-------------|-----------|-------------|--------|---------------|-----------|--------------|
| | | | | Debili | (III) | | | | | - | | | | | | | | | | | | | | | | | |
| | Condition | Time | Condition | | | Value 25.13 | Average | Value 33.31 | Average | Value 8.13 | Average | Value 89.10 | Average | Value 6.08 | Average | DA | Value 1.80 | Average | DA | Value 3.90 | Average | DA | Value Avera | ige DA | Value <1.6 | Average | DA |
| | | | | Surface | 1.0 | 25.12 | 25.13 | 33.31 | 33.31 | 8.13 | 8.13 | 90.60 | 90.53 | 6.19 | 6.18 | | 1.80 | 1.80 | | 3.70 | 3.73 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | Gunaoo | | 25.13 | 20.10 | 33.30 | 00.01 | 8.13 | 0.10 | 91.90 | 00.00 | 6.27 | 0.10 | | 1.80 | 1.00 | | 3.60 | 00 | | <1 | | <1.6 | 41.0 | |
| | | | | | | 25.07 | | 33.36 | | 8.13 | | 87.30 | | 5.96 | | 6.06 | 2.00 | | | 3.00 | | | <1 | | <1.6 | | 1 |
| 11-Sep-20 | Fine | 19:34 | Moderate | Middle | 10.3 | 25.07 | 25.07 | 33.36 | 33.36 | 8.12 | 8.12 | 85.30 | 87.00 | 5.82 | 5.94 | | 2.10 | 2.03 | 2.04 | 2.90 | 2.97 | 3.01 | <1 <1 | 1.00 | <1.6 | <1.6 | <1.6 |
| | | | | | | 25.07 | İ | 33.36 | | 8.12 | | 88.40 | | 6.04 | | | 2.00 | | | 3.00 | | | <1 | | <1.6 | | |
| | | | | | | 25.08 | | 33.36 | | 8.13 | | 80.90 | | 5.52 | | | 2.30 | | | 2.30 | | | <1 | | <1.6 | | 1 |
| | | | | Bottom | 19.5 | 25.07 | 25.06 | 33.36 | 33.37 | 8.13 | 8.13 | 82.40 | 81.93 | 5.62 | 5.59 | 5.59 | 2.40 | 2.30 | | 2.40 | 2.33 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 25.04 | | 33.40 | | 8.12 | | 82.50 | | 5.63 | | | 2.20 | | | 2.30 | | | <1 | | <1.6 | | |
| | | | | 0 | 4.0 | 27.70 | 07.00 | 31.16 | 04.00 | 8.11 | 0.40 | 86.70 | 07.00 | 5.75 | 5.00 | | 3.10 | 0.40 | | 2.20 | 0.07 | | 3.00 | | <1.6 | 4.0 | |
| | | | | Surface | 1.0 | 27.65 | 27.66 | 31.24 | 31.23 | 8.12 | 8.12 | 86.70 | 87.33 | 5.75 | 5.80 | | 3.20 | 3.13 | | 2.50 | 2.27 | | 2.00 2.3 | 3 | <1.6 | <1.6 | |
| | | | | | | 27.62 27.25 | | 31.28 31.93 | | 8.13 8.14 | | 88.60 83.60 | | 5.89 5.53 | | 5.70 | 3.10 | | | 2.10 3.20 | | | 3.00 | | <1.6 | | - |
| 44.0 00 | 01 | 47.54 | | N. C. alana | | 27.23 | 07.04 | 31.89 | 04.04 | 8.13 | 0.40 | 84.40 | 04.00 | 5.59 | 5.00 | | 3.30 | 0.00 | 0.00 | 3.50 | 0.07 | 0.04 | | | <1.6 | 4.0 | 4.0 |
| 14-Sep-20 | Cloudy | 17:51 | Moderate | Middle | 9.9 | | 27.24 | | 31.94 | | 8.13 | | 84.60 | | 5.60 | | | 3.20 | 3.20 | | 3.37 | 3.31 | | 7 2.33 | | <1.6 | <1.6 |
| | | | | | | 27.18 | | 32.01 | | 8.13 | | 85.80 | | 5.68 | | | 3.10 | | | 3.40 | | | 3.00 | | <1.6 | | |
| | | | | Dattam | 10.0 | 27.30 | 27.24 | 31.87 | 24.02 | 8.12 | 0.40 | 79.00 | 70.00 | 5.25 | F 20 | F 20 | 3.30 | 2.27 | | 4.00 | 4.20 | | 2.00 | . | <1.6 | .1.0 | |
| | | | | Bottom | 18.6 | 27.12 27.31 | 27.24 | 32.04 | 31.92 | 8.14 | 8.13 | 80.00 | 79.83 | 5.31 | 5.30 | 5.30 | 3.20 | 3.27 | | 4.50 4.40 | 4.30 | | 2.00 2.0 | ' | <1.6 | <1.6 | |
| | | | | | | 27.75 | | 31.86 31.30 | | 8.13 8.25 | | 80.50 79.20 | | 5.34 5.57 | | | 2.20 | | | 4.40 | | | <1 | | <1.6 <1.6 | | - |
| | | | | Surface | 1.0 | 27.75 | 27.77 | 31.30 | 31.30 | 8.26 | 8.25 | 79.20 | 79.23 | 5.58 | 5.58 | | 2.30 | 2.27 | | 4.40 | 4.33 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | Gunaoo | | 27.80 | | 31.29 | 01.00 | 8.25 | 0.20 | 79.30 | 70.20 | 5.58 | 0.00 | | 2.30 | | | 4.00 | | | <1 | | <1.6 | 41.0 | |
| | | | | | | 27.70 | | 31.32 | | 8.26 | | 78.10 | | 5.51 | | 5.54 | 2.50 | | | 3.30 | | | <1 | | <1.6 | | 1 |
| 16-Sep-20 | Sunny | 18:35 | Moderate | Middle | 10.7 | 27.69 | 27.70 | 31.32 | 31.32 | 8.26 | 8.26 | 78.00 | 78.07 | 5.50 | 5.51 | | 2.30 | 2.33 | 2.54 | 3.20 | 3.37 | 3.46 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| - | - | | | | | 27.70 | Ť | 31.32 | | 8.25 | | 78.10 | | 5.51 | | | 2.20 | | | 3.60 | | | <1 | | <1.6 | | |
| | | | | | | 27.69 | | 31.32 | | 8.26 | | 78.40 | | 5.53 | | | 2.80 | | | 2.60 | | | <1 | | <1.6 | | 1 |
| | | | | Bottom | 20.3 | 27.70 | 27.70 | 31.32 | 31.32 | 8.26 | 8.26 | 78.20 | 78.27 | 5.52 | 5.52 | 5.52 | 3.20 | 3.03 | | 2.80 | 2.67 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 27.70 | | 31.32 | | 8.26 | | 78.20 | | 5.52 | | | 3.10 | | | 2.60 | | | <1 | | <1.6 | | |
| | | | | 0 | 4.0 | 28.05 | 00.00 | 30.74 | 00.75 | 8.14 | 0.44 | 80.30 | 00.47 | 5.61 | 5.04 | | 2.10 | 0.40 | | 3.40 | 0.07 | | <1 | | <1.6 | 4.0 | |
| | | | | Surface | 1.0 | 28.07 | 28.06 | 30.77 | 30.75 | 8.14 | 8.14 | 80.50 | 80.47 | 5.61 | 5.61 | | 2.20 | 2.10 | | 3.10 | 3.37 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 28.07 28.09 | | 30.75 30.80 | | 8.14 8.14 | | 80.60 80.00 | | 5.62 5.58 | | 5.60 | 2.00 | | | 3.60 4.20 | | | <1 <1 | | <1.6 <1.6 | | - |
| 18-Sep-20 | Fine | 19:45 | Moderate | Middle | 10.5 | 28.09 | 28.08 | 30.80 | 30.79 | 8.13 | 8.14 | 79.70 | 79.83 | 5.57 | 5.58 | | 2.20 | 2.17 | 2.28 | 4.20 | 4.07 | 4.11 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| 10 OCP 20 | 1 1110 | 15.45 | Woderate | wildaic | 10.0 | 28.08 | 20.00 | 30.78 | 50.75 | 8.14 | 0.14 | 79.80 | 7 3.00 | 5.58 | 0.00 | | 2.30 | 2.17 | 2.20 | 3.80 | 4.07 | 4.11 | <1 | 1 | <1.6 | <1.0 | V1.0 |
| | | | | | | 28.09 | | 30.80 | | 8.13 | | 79.80 | | 5.58 | | | 2.60 | | | 5.20 | | | <1 | | <1.6 | | 1 |
| | | | | Bottom | 19.9 | 28.08 | 28.09 | 30.79 | 30.80 | 8.13 | 8.13 | 79.90 | 79.90 | 5.58 | 5.58 | 5.58 | 2.50 | 2.57 | | 4.90 | 4.90 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 28.10 | Ī | 30.81 | | 8.14 | | 80.00 | | 5.58 | | | 2.60 | | | 4.60 | | | <1 | | <1.6 | | |
| | | | | | | 28.47 | | 29.94 | | 8.34 | | 70.40 | | 4.63 | | | 3.20 | | | 3.50 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.0 | 28.47 | 28.47 | 29.91 | 29.92 | 8.34 | 8.34 | 70.50 | 72.13 | 4.64 | 4.74 | | 3.10 | 3.17 | | 3.10 | 3.37 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 28.46 | | 29.91 | | 8.34 | | 75.50 | | 4.94 | | 4.70 | 3.20 | | | 3.50 | | | <1 | | <1.6 | | |
| 04.0 00 | 01 | 0.00 | | N. C. alana | 0.0 | 28.57 | 00.50 | 30.66 | 00.04 | 8.33 | 0.00 | 73.10 | 74.00 | 4.79 | 4.00 | | 3.20 | 0.00 | 0.04 | 2.70 | 0.00 | 0.04 | <1 | | <1.6 | 4.0 | 4.0 |
| 21-Sep-20 | Cloudy | 9:30 | Moderate | Middle | 9.6 | 28.56 28.56 | 28.56 | 30.62 30.63 | 30.64 | 8.33 8.33 | 8.33 | 70.30 70.20 | 71.20 | 4.60 4.59 | 4.66 | | 3.30 | 3.23 | 3.21 | 2.90 | 2.83 | 2.81 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.56 | | 30.67 | | 8.33 | | 70.20 | | 4.75 | | | 3.20 | | | 2.20 | | | <1 | | <1.6 | | - |
| | | | | Bottom | 18.2 | 28.55 | 28.55 | 30.61 | 30.63 | 8.33 | 8.33 | 70.20 | 70.90 | 4.79 | 4.65 | 4.65 | 3.20 | 3.23 | | 2.10 | 2.23 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 28.54 | | 30.60 | | 8.33 | | 70.30 | | 4.60 | | | 3.30 | | | 2.40 | | | <1 | | <1.6 | | |
| | | | | | | 29.12 | | 30.58 | | 8.30 | | 80.20 | | 5.20 | | | 3.40 | | | 2.30 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.0 | 29.12 | 29.14 | 30.61 | 30.57 | 8.31 | 8.30 | 84.30 | 81.67 | 5.48 | 5.30 | | 3.50 | 3.43 | | 2.10 | 2.27 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 29.19 | | 30.53 | | 8.30 | | 80.50 | | 5.21 | | 5.26 | 3.40 | | | 2.40 | | | <1 | | <1.6 | | |
| | _ | | | | | 28.95 | | 30.77 | | 8.31 | | 79.90 | | 5.18 | | | 3.50 | | | 2.50 | | | <1 | | <1.6 | | |
| 23-Sep-20 | Sunny | 11:48 | Moderate | Middle | 9.6 | 29.08 | 28.98 | 30.54 | 30.74 | 8.31 | 8.31 | 80.20 | 80.33 | 5.20 | 5.21 | | 3.50 | 3.50 | 3.49 | 2.50 | 2.47 | 2.52 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.90 | | 30.90 | | 8.31 | | 80.90 | | 5.26 | | | 3.50 | | | 2.40 | | | <1 | | <1.6 | | 4 I |
| | | | | Bottom | 18.2 | 28.99 29.08 | 28.98 | 30.80 30.60 | 30.79 | 8.30 8.30 | 8.30 | 79.40 79.80 | 79.93 | 5.16 5.18 | 5.19 | 5.19 | 3.60 | 3.53 | | 2.60 | 2.83 | | <1 <1 <1 | | <1.6 | <1.6 | |
| | | | | Dottom | 10.2 | 28.88 | 20.00 | 30.96 | 50.75 | 8.31 | 0.00 | 80.60 | 75.55 | 5.23 | 0.10 | 0.10 | 3.50 | 0.00 | | 3.00 | 2.00 | | <1 | | <1.6 | <1.0 | |
| | | | | | | 29.26 | | 31.23 | | 8.14 | | 93.30 | | 6.01 | | | 2.10 | | | 3.90 | | | <1 | | <1.6 | | \vdash |
| | | | | Surface | 1.1 | 29.28 | 29.27 | 31.37 | 31.28 | 8.15 | 8.14 | 94.10 | 93.77 | 6.06 | 6.04 | | 2.10 | 2.10 | | 3.90 | 3.87 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 29.27 | į . | 31.23 | | 8.14 | | 93.90 | | 6.05 | | 6.02 | 2.10 | | | 3.80 | | | <1 | | <1.6 | | |
| | | | | | | 29.27 | | 31.89 | | 8.13 | | 93.30 | | 5.99 | | 0.02 | 2.20 | | | 3.40 | | | <1 | | <1.6 | | |
| 25-Sep-20 | Fine | 20:07 | Moderate | Middle | 9.5 | 29.26 | 29.26 | 31.97 | 31.93 | 8.13 | 8.13 | 93.30 | 93.43 | 5.99 | 6.00 | | 2.20 | 2.20 | 2.17 | 3.10 | 3.27 | 3.17 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 29.26 | | 31.92 | | 8.14 | | 93.70 | | 6.02 | | | 2.20 | | | 3.30 | | | <1 | | <1.6 | | |
| | | | | Dattam | 10.1 | 29.27 | 20.27 | 31.88 | 24.00 | 8.13 | 0.44 | 92.80 | 00.70 | 5.96 | F 0F | F 0F | 2.20 | 2.20 | | 2.40 | 2.27 | | <1 | | <1.6 | .1.0 | |
| | | | | Bottom | 18.1 | 29.27 29.27 | 29.27 | 31.91 31.90 | 31.90 | 8.14 8.14 | 8.14 | 92.30 93.00 | 92.70 | 5.92 5.97 | 5.95 | 5.95 | 2.20 | 2.20 | | 2.30 | 2.37 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 28.83 | | 31.91 | | 8.10 | | 91.80 | | 5.93 | | | 4.60 | | | 6.20 | | | <1 | | <1.6 | | - |
| | | | | Surface | 1.1 | 28.83 | 28.83 | 31.93 | 31.92 | 8.10 | 8.10 | 91.70 | 91.73 | 5.93 | 5.93 | | 4.60 | 4.60 | | 6.30 | 6.23 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 28.83 | | 31.92 | | 8.10 | | 91.70 | | 5.92 | | 5.04 | 4.60 | | | 6.20 | | | <1 | | <1.6 | | |
| | | | | | | 28.84 | | 31.96 | | 8.09 | | 91.10 | | 5.89 | | 5.91 | 4.60 | | | 6.70 | | | <1 | | <1.6 | | • |
| 28-Sep-20 | Fine | 17:42 | Moderate | Middle | 10.2 | 28.84 | 28.84 | 32.05 | 32.01 | 8.10 | 8.10 | 91.20 | 91.13 | 5.89 | 5.89 | | 4.50 | 4.57 | 4.60 | 7.10 | 6.93 | 7.20 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.84 | | 32.03 | | 8.11 | | 91.10 | | 5.89 | | | 4.60 | | | 7.00 | | | <1 | | <1.6 | | 1 |
| | | | | 1_ 7 | | 28.84 | 1 | 32.13 | | 8.10 | | 91.30 | | 5.90 | | | 4.70 | | | 8.60 | T | | <1 | | <1.6 | _ | |
| | | | | Bottom | 19.4 | 28.84 | 28.84 | 32.09 | 32.12 | 8.10 | 8.10 | 91.20 | 91.27 | 5.89 | 5.90 | 5.90 | 4.60 | 4.63 | | 8.50 | 8.43 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 28.84 | | 32.15 | | 8.11 | | 91.30 | | 5.90 | | | 4.60 | | | 8.20 | | | <1 | | <1.6 | | \sqcup |
| | | | | Curford | 1.0 | 28.99 | 20.00 | 31.20 | 24.24 | 7.93 | 7.04 | 73.80 | 74.20 | 5.16 | E 40 | | 2.30 | 2 47 | | 5.00 | 4.07 | | <1 | | <1.6 | -1.0 | |
| | | | | Surface | 1.0 | 29.00 | 29.00 | 31.21 | 31.21 | 7.94 | 7.94 | 74.70 | 74.30 | 5.22 | 5.19 | | 2.10 | 2.17 | | 4.80 | 4.97 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | - | | 29.00 29.09 | | 31.22 31.40 | | 7.94 7.94 | | 74.40 73.40 | | 5.20 5.12 | | 5.15 | 2.10 | | | 5.10 6.00 | | | <1 <1 | | <1.6 <1.6 | | ł [|
| 30-Sep-20 | Fine | 18:49 | Moderate | Middle | 10.6 | 29.05 | 29.07 | 31.38 | 31.39 | 7.93 | 7.93 | 72.90 | 73.20 | 5.09 | 5.11 | | 2.60 | 2.57 | 2.69 | 5.80 | 5.93 | 5.88 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| | 0 | | | 20.0 | . 5.0 | 29.06 | 1 | 31.40 | 200 | 7.93 | | 73.30 | | 5.12 | | | 2.70 | | | 6.00 | 2.30 | 2.00 | <1 | 1 | <1.6 | | |
| | | | | | | 29.03 | | 31.38 | | 7.93 | | 73.10 | | 5.11 | | | 3.40 | | | 6.60 | | | <1 | | <1.6 | | 1 |
| | | | | Bottom | 20.2 | 29.06 | 29.06 | 31.45 | 31.41 | 7.93 | 7.93 | 73.20 | 73.23 | 5.12 | 5.12 | 5.12 | 3.40 | 3.33 | | 7.00 | 6.73 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 29.09 | | 31.40 | | 7.94 | | 73.40 | | 5.14 | | | 3.20 | | | 6.60 | | | <1 | | <1.6 | | Ш |

| Water Quality | Monitoring F | Results at CS | S1 - Mid-Floo | | | Tomp | ature(°C) | Sanlin | ity(ppt) | | Н | DO Satur | ration (%) | Dissolve | d Oxygen (| ma/L) | Т | urbidity (NTU | 1 | Suspen | ded Solids | (mg/L) | C | oper (ug/l | \1 | Total | PAH (µg | /L \ ¹ |
|------------------------|--------------|---------------|---------------|---------|------|----------------------------------|-----------|----------------------------------|----------------|------------------------------|---------|----------------------------------|------------|------------------------------|------------|-------|------------------------------|---------------|------|------------------------------|------------|--------|------------------------------|----------------------|------|------------------------------|---------|-------------------|
| Date | Condition | Time | Condition | Depth | (m) | Value | Average | Value | Average | Value | Average | Value | Average | | Average | | | Average | | | | DA DA | Value | per (µg/L Average | DA | Value . | | |
| | | | | Surface | 1.1 | 28.61 28.61 28.61 | 28.61 | 30.35 30.36 30.32 | 30.34 | 7.44 7.45 7.44 | 7.44 | 84.10 82.90 83.70 | 83.57 | 5.74 5.66 5.73 | 5.71 | 5.43 | 7.90 8.20 | 8.07 | | 2.70 2.60 2.50 | 2.60 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 5-Oct-20 | Rainy | 9:12 | Moderate | Middle | 11.3 | 28.65 28.66 28.65 | 28.65 | 31.15 31.13 31.20 | 31.16 | 7.50 7.46 7.48 | 7.48 | 73.20 73.80 73.00 | 73.33 | 5.15 5.19 5.13 | 5.16 | | 9.30 9.20 9.00 | 9.17 | 9.07 | 2.10 2.40 2.20 | 2.23 | 2.21 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 21.6 | 28.69 28.68 28.68 | 28.68 | 31.91 31.85 31.94 | 31.90 | 7.51 7.51 7.51 | 7.51 | 76.50 75.40 75.80 | 75.90 | 5.41 5.33 5.36 | 5.37 | 5.37 | 9.90 10.00 | 9.97 | | 1.70 1.90 1.80 | 1.80 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 28.38 28.37 28.36 28.61 | 28.37 | 32.02 32.00 32.03 32.45 | 32.02 | 8.07 8.08 8.07 8.06 | 8.07 | 87.30 87.60 87.60 86.70 | 87.50 | 5.68 5.70 5.70 5.61 | 5.69 | 5.66 | 2.70 2.70 2.60 3.30 | 2.67 | | 4.30 4.30 4.40 2.70 | 4.33 | | <1 <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 <1.6 | <1.6 | |
| 7-Oct-20 | Cloudy | 10:20 | Moderate | Middle | 10.4 | 28.59 28.62 28.73 | 28.61 | 32.45 32.46 32.57 | 32.45 | 8.05 8.04 8.06 | 8.05 | 86.80 87.20 86.80 | 86.90 | 5.62 5.64 5.61 | 5.62 | | 3.50 3.40 4.20 | 3.40 | 3.41 | 2.60 2.90 2.20 | 2.73 | 3.11 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 19.8 | 28.72 28.72 27.89 | 28.72 | 32.57 32.56 31.73 | 32.57 | 8.06 8.06 8.07 | 8.06 | 86.90 86.60 91.10 | 86.77 | 5.62 5.60 5.86 | 5.61 | 5.61 | 4.20 4.10 4.20 | 4.17 | | 2.50 2.10 4.40 | 2.27 | | <1 <1 1.00 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 10-Oct-20 | Sunny | 18:34 | Moderate | Surface | 9.5 | 27.89 27.89 27.90 27.90 | 27.89 | 31.72 31.74 31.77 31.86 | 31.73 | 8.07 8.06 8.07 8.06 | 8.07 | 91.20 91.10 90.90 90.90 | 91.13 | 5.86 5.86 5.84 5.85 | 5.86 | 5.85 | 4.20 4.20 4.20 4.10 | 4.20 | 4.20 | 4.20 4.50 4.90 5.00 | 4.37 | 5.20 | 1.00 1.00 <1 <1 | 1.00 | 1.00 | <1.6 <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| 10 001 20 | Cumy | 10.01 | Moderate | Bottom | 18.1 | 27.90 27.90 27.90 | 27.90 | 31.84 31.96 31.94 | 31.93 | 8.07 8.08 8.06 | 8.07 | 91.00 91.00 90.70 | 90.80 | 5.85 5.85 5.84 | 5.84 | 5.84 | 4.20 4.20 4.30 | 4.23 | 1.20 | 4.70 6.40 6.10 | 6.37 | 0.20 | <1 <1 <1 | <1 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 27.90 26.04 26.04 26.03 | 26.04 | 31.90 34.88 34.88 34.89 | 34.88 | 7.91 7.91 7.93 | 7.92 | 90.70 93.60 93.60 92.90 | 93.37 | 5.83 6.23 6.23 6.19 | 6.22 | 0.47 | 2.80 2.80 2.90 | 2.83 | | 6.60 2.90 3.10 2.80 | 2.93 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 12-Oct-20 | Sunny | 15:10 | Moderate | Middle | 11.0 | 26.01 26.02 26.02 26.01 | 26.02 | 34.88 34.88 34.88 34.89 | 34.88 | 7.93 7.92 7.91 7.93 | 7.92 | 91.40 92.40 92.20 92.00 | 92.00 | 6.09 6.15 6.14 6.13 | 6.13 | 6.17 | 2.90 3.10 2.70 2.90 | 2.90 | 2.88 | 3.50 3.80 4.00 5.00 | 3.77 | 3.84 | 1.00 1.00 1.00 2.00 | 1.00 | 1.33 | <1.6 <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 21.0 | 26.02 26.03 25.18 | 26.02 | 34.88 34.88 34.82 | 34.88 | 7.91 7.92 7.91 | 7.92 | 93.20 92.30 95.10 | 92.50 | 6.13 6.21 6.15 6.43 | 6.16 | 6.16 | 2.90 2.90 3.50 | 2.90 | | 4.60 4.90 6.50 | 4.83 | | 2.00 2.00 2.00 1.00 | 2.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 14-Oct-20 | Fine | 17:26 | Moderate | Surface | 1.0 | 25.18 25.18 25.19 25.19 | 25.18 | 34.83 34.82 34.83 34.83 | 34.82 | 7.92 7.91 7.91 7.92 | 7.91 | 94.30 95.00 94.70 95.00 | 94.80 | 6.37 6.42 6.40 6.42 | 6.40 | 6.41 | 3.70 3.70 4.00 4.00 | 3.63 | 3.92 | 6.60 6.80 6.00 5.80 | 5.80 | 5.88 | 1.00 1.00 2.00 2.00 | 2.00 | 1.33 | <1.6 <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| 14 001 20 | | 17.20 | Moderate | Bottom | 19.5 | 25.19 25.19 25.19 | 25.19 | 34.83 34.83 34.83 | 34.83 | 7.92 7.91 7.93 | 7.92 | 94.60 94.90 94.70 | 94.80 | 6.39 6.41 6.40 | 6.41 | 6.41 | 3.80 4.10 4.20 | 4.20 | 0.02 | 5.60 5.00 5.20 | 5.20 | 0.00 | 2.00 1.00 1.00 | 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 25.19 25.23 25.22 25.22 | 25.22 | 34.83 34.87 34.88 34.88 | 34.88 | 7.92 8.24 8.22 8.19 | 8.22 | 94.80 91.30 91.70 91.10 | 91.37 | 6.41 6.17 6.19 6.15 | 6.17 | 6.15 | 3.40 3.50 3.40 | 3.43 | | 5.40 5.40 5.00 5.00 | 5.13 | | 1.00 <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 <1.6 | <1.6 | |
| 16-Oct-20 | Sunny | 18:34 | Moderate | Middle | 10.6 | 25.16 25.15 25.16 25.13 | 25.16 | 34.86 34.87 34.86 34.86 | 34.86 | 8.21 8.18 8.18 8.19 | 8.19 | 90.30 90.70 90.40 90.40 | 90.47 | 6.11 6.13 6.12 6.11 | 6.12 | 0.13 | 4.70 4.20 4.50 5.30 | 4.47 | 4.40 | 4.10 4.40 4.50 3.70 | 4.33 | 4.42 | <1 <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 20.2 | 25.14 25.13 24.67 | 25.13 | 34.86 34.86 35.19 | 34.86 | 8.21 8.19 7.99 | 8.20 | 90.00 90.00 89.70 | 90.13 | 6.08 6.09 6.11 | 6.09 | 6.09 | 5.10 5.50 3.80 | 5.30 | | 3.90 3.80 4.40 | 3.80 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 19-Oct-20 | Cloudy | 9:11 | Moderate | Surface | 1.0 | 24.70 24.70 24.50 24.50 | 24.69 | 35.18 35.18 35.27 35.27 | 35.18 | 7.99 7.99 7.99 7.99 | 7.99 | 90.40 90.00 89.60 89.10 | 90.03 | 6.15 6.12 6.11 6.08 | 6.13 | 6.11 | 3.50 3.50 4.10 4.30 | 4.20 | 4.32 | 4.20 4.20 5.00 4.50 | 4.70 | 4.67 | <1 <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 20.4 | 24.53 24.47 24.44 24.45 | 24.45 | 35.26 35.29 35.32 35.31 | 35.31 | 7.98 7.98 7.98 7.98 | 7.98 | 89.00 88.80 88.80 88.90 | 88.83 | 6.07 6.06 6.06 6.07 | 6.06 | 6.06 | 4.20 5.00 5.20 5.30 | 5.17 | | 4.60 5.10 4.80 5.20 | 5.03 | | <1 <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 24.35 24.36 24.34 | 24.35 | 35.18 35.19 35.19 | 35.19 | 8.15 8.16 8.16 | 8.16 | 89.10 88.50 89.10 | 88.90 | 6.11 6.06 6.11 | 6.09 | 6.09 | 2.50 2.70 2.60 | 2.60 | | 2.20 2.40 2.10 | 2.23 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 21-Oct-20 | Sunny | 10:46 | Moderate | Middle | 10.3 | 24.31 24.31 24.31 24.30 | 24.31 | 35.22 35.22 35.23 35.23 | 35.22 | 8.15 8.15 8.15 8.14 | 8.15 | 89.10 88.70 88.70 88.60 | 88.83 | 6.11 6.08 6.08 6.07 | 6.09 | | 2.70 2.50 2.70 2.60 | 2.63 | 2.64 | 3.20 3.40 3.40 4.00 | 3.33 | 3.27 | <1 <1 <1 1.00 | <1 | 1.00 | <1.6 <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 19.6 | 24.32 24.30 | 24.31 | 35.25 35.25 | 35.24 | 8.13 8.14 - | 8.14 | 88.70 88.50 | 88.60 | 6.08 6.06 | 6.07 | 6.07 | 2.70 | 2.70 | | 4.30 4.40 | 4.23 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| 23-Oct-20 ² | - | - | - | Middle | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| | | | | Bottom | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | Surface | 1.0 | 22.83 22.83 22.84 | 22.83 | 35.51 35.52 35.51 | 35.51 | 7.93 7.92 7.92 7.92 | 7.92 | 96.60 96.30 96.20 96.00 | 96.37 | 6.77 6.75 6.74 6.73 | 6.75 | 6.75 | 2.40 2.30 2.30 | 2.33 | | 3.50 3.20 3.20 2.80 | 3.30 | | | | | | | |
| 28-Oct-20 | Rainy | 18:01 | Moderate | Middle | 9.9 | 22.83 22.84 22.83 22.83 | 22.83 | 35.53 35.52 35.52 35.52 | 35.52 | 7.92 7.92 7.92 | 7.92 | 96.10 96.10 96.00 | 96.07 | 6.74 6.74 6.73 | 6.74 | | 2.60 2.60 2.60 2.60 | 2.60 | 2.50 | 3.10 2.80 2.60 | 2.90 | 2.97 | | | | | | |
| | | | | Bottom | 18.7 | 22.83 22.83 22.85 | 22.83 | 35.52 35.53 35.54 35.54 | 35.52 35.54 | 7.92 7.92 7.99 7.99 | 7.92 | 96.20 96.40 91.10 91.20 | 96.20 | 6.74 6.76 6.38 6.39 | 6.74 | 6.74 | 2.60 2.50 1.70 1.80 | 1.70 | | 2.60 2.90 3.60 2.70 | 3.20 | | | | | | | |
| 30-Oct-20 | Cloudy | 18:17 | Moderate | Middle | 10.6 | | 22.83 | 35.54 35.57 35.57 | 35.57 | 7.99 8.00 8.00 | 8.00 | 91.60 90.70 90.70 | 90.67 | 6.42 6.36 6.36 | 6.36 | 6.38 | 1.60 2.10 2.30 | 2.27 | 2.44 | 3.30 2.60 3.80 | 3.07 | 3.18 | | | | | | |
| | | | | Bottom | 20.2 | 22.81 22.77 22.77 22.77 | 22.77 | 35.57 35.60 35.60 35.61 | 35.60 | 8.00 7.99 7.98 7.99 | 7.99 | 90.60 90.10 90.20 90.10 | 90.13 | 6.35 6.31 6.32 6.32 | 6.32 | 6.32 | 2.40 3.30 3.40 3.40 | 3.37 | | 2.80 3.80 3.00 3.00 | 3.27 | | | | | | | |
| Note: | | | | | _ | | | | | _ | | | | | | | | | | | | | | | | | | |

- 1. Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

 2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

Water Quality Monitoring Results at CS2 - Mid-Ebb Tide

| Water Quality | Monitoring R | esults at CS | 2 - Mid-Ebb T | ide | | | | | | | | | | | | | | | | | | | | | | |
|---------------|----------------------|------------------|------------------|----------|---|----------------------|-------------------------|----------------------|----------------------|---------------|-------------------------|----------------------|----------------------|-----------------------|--------------|----------------------|-------------------------|---------|----------------------|--------------------------|-------------|----------------------|-----------------------|---------------------------|--------------|------|
| Date | Weather Condition | Sampling Time | Sea Condition | Depth | (m) Ten | perature(°C) Average | Sanlii Value | nity(ppt) Average | Value | pH Average | DO Satura Value | ation (%) Average | Dissolv Value | ved Oxygen Average | (mg/L) DA | Value Tu | rbidity (NTU Average |) DA | Suspen | ded Solids (r Average | ng/L) DA | | pper (µg/L Average | DA Valu | Total PAH (µ | |
| | Condition | Time | Condition | Surface | 1.0 24.96 | 24.97 | 33.47 33.51 | 33.49 | 8.09 8.09 | 8.09 | 93.00 92.30 | 93.23 | 6.36 6.33 | 6.38 | D/X | 1.80 | 1.77 | D/K | 2.60 2.70 | 2.77 | D/K | <1 1.00 | 1.00 | <1.6 | <1.6 | |
| 11-Sep-20 | Fine | 6:04 | Moderate | Middle | 24.96 24.8° 5.5 24.74 | | 33.50 33.65 33.79 | 33.79 | 8.09 8.10 8.10 | 8.10 | 94.40 83.50 84.30 | 83.67 | 6.46 5.72 5.78 | 5.73 | 6.06 | 1.80 1.50 1.60 | 1.63 | 1.81 | 3.00 2.30 2.40 | 2.30 | 2.27 | <1 <1 1.00 | 1.00 | <1.6 <1.6 1.00 <1.6 | i | <1.6 |
| | | | | Bottom | 24.66 24.70 10.1 24.64 | | 33.94 33.98 34.04 | 34.04 | 8.10 8.10 8.11 | 8.11 | 83.20 80.80 78.80 | 79.50 | 5.70 5.67 5.40 | 5.49 | 5.49 | 1.80 2.20 1.90 | 2.03 | | 2.20 1.60 1.70 | 1.73 | - | 1.00 1.00 1.00 | 1.00 | <1.6 <1.6 <1.6 | | - |
| | | | | | 24.64 27.73 | | 34.11 31.29 | | 8.11 8.06 | | 78.90 85.20 | | 5.39 5.63 | | | 2.00 3.30 | | | 1.90 3.70 | | | 1.00 2.00 | | <1.6 <1.6 | | |
| | | | | Surface | 1.0 27.7° 27.7° 27.47 | | 31.31 31.30 31.48 | 31.30 | 8.07 8.06 8.07 | 8.06 | 87.70 87.10 86.90 | 86.67 | 5.80 5.77 5.74 | 5.73 | 5.71 | 3.20 3.30 3.50 | 3.27 | | 4.00 3.80 4.70 | 3.83 | | 2.00 2.00 2.00 | 2.00 | <1.6 <1.6 <1.6 | i l | - |
| 14-Sep-20 | Cloudy | 9:15 | Moderate | Middle | 5.1 27.38 27.49 27.47 | | 31.57 31.47 31.51 | 31.51 | 8.07 8.08 8.07 | 8.07 | 83.00 87.80 85.40 | 85.90 | 5.51 5.81 5.66 | 5.69 | | 3.60 3.60 3.80 | 3.57 | 3.49 | 4.80 4.40 6.10 | 4.63 | 4.83 | 2.00 2.00 2.00 | 2.00 | 2.00 <1.6 <1.6 <1.6 | | <1.6 |
| | | | | Bottom | 9.0 27.20 27.47 27.97 | | 31.85 31.52 31.12 | 31.63 | 8.07 8.06 8.24 | 8.07 | 78.60 84.40 79.70 | 82.80 | 5.21 5.59 5.58 | 5.49 | 5.49 | 3.60 3.50 2.40 | 3.63 | | 5.80 6.20 3.40 | 6.03 | | 2.00 2.00 <1 | 2.00 | <1.6 <1.6 | | |
| | | | | Surface | 1.0 27.90 27.90 | 27.94 | 31.13 31.14 | 31.13 | 8.20 8.22 | 8.22 | 79.60 79.40 | 79.57 | 5.58 5.57 | 5.58 | 5.56 | 2.70 2.50 | 2.53 | + | 3.10 3.80 | 3.43 | - | <1 <1 | <1 | <1.6 <1.6 | <1.6 | |
| 16-Sep-20 | Sunny | 10:47 | Moderate | Middle | 5.6 27.80 27.79 27.80 | 27.80 | 31.20 31.20 31.20 | 31.20 | 8.21 8.24 8.22 | 8.22 | 79.00 78.90 78.90 | 78.93 | 5.55 5.55 5.55 | 5.55 | | 3.20 3.20 3.00 | 3.13 | 2.93 | 4.40 4.00 4.20 | 4.20 | 4.31 | <1 <1 1.00 | 1.00 | 1.00 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 10.3 27.83 27.83 27.80 | 27.81 | 31.18 31.19 31.19 | 31.19 | 8.23 8.21 8.21 | 8.22 | 79.30 79.20 79.60 | 79.37 | 5.57 5.56 5.59 | 5.57 | 5.57 | 3.00 3.20 3.20 | 3.13 | | 5.20 5.10 5.60 | 5.30 | | <1 <1 <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 28.04 28.04 28.03 | 28.03 | 30.68 30.69 30.69 | 30.69 | 8.09 8.08 8.09 | 8.09 | 81.10 81.10 81.00 | 81.07 | 5.65 5.65 5.64 | 5.65 | | 2.10 2.20 2.10 | 2.13 | | 6.60 6.20 6.30 | 6.37 | | 1.00 1.00 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | |
| 18-Sep-20 | Fine | 12:24 | Moderate | Middle | 5.7 28.07 | 28.07 | 30.88 30.87 | 30.86 | 8.08 8.08 | 8.08 | 80.50 80.60 | 80.53 | 5.61 5.61 | 5.61 | 5.63 | 2.50 2.70 | 2.60 | 2.44 | 5.60 5.10 | 5.37 | 5.20 | 1.00 | 1.00 | 1.00 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 28.08 28.08 10.5 28.08 | 28.07 | 30.82 30.84 30.88 | 30.86 | 8.09 8.09 8.08 | 8.08 | 80.50 80.90 81.10 | 80.93 | 5.61 5.64 5.65 | 5.64 | 5.64 | 2.60 2.50 2.70 | 2.60 | | 5.40 3.90 3.70 | 3.87 | | 1.00 1.00 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 28.08 28.5° 1.1 28.5° | | 30.87 30.10 29.76 | 29.91 | 8.08 8.36 8.36 | 8.36 | 71.10 70.90 | 71.43 | 5.62 4.67 4.66 | 4.70 | | 2.60 5.50 5.60 | 5.53 | | 3.10 3.40 | 3.10 | | 1.00 <1 <1 | <1 | <1.6 <1.6 <1.6 | | |
| 21-Sep-20 | Cloudy | 2:31 | Moderate | Middle | 28.49 28.59 5.5 28.58 | | 29.86 30.74 30.68 | 30.70 | 8.36 8.35 8.35 | 8.35 | 72.30 72.90 71.20 | 71.67 | 4.76 4.76 4.66 | 4.69 | 4.69 | 5.50 5.40 5.40 | 5.47 | 5.51 | 2.80 3.90 3.70 | 3.70 | 3.62 | <1 <1 <1 | <1 | <1.6 <1.6 <1 <1.6 | | <1.6 |
| | | | | Bottom | 28.58 28.57 10.0 28.58 | | 30.68 30.69 30.75 | 30.71 | 8.35 8.35 8.35 | 8.35 | 70.90 70.70 72.80 | 71.60 | 4.64 4.62 4.75 | 4.68 | 4.68 | 5.60 5.70 5.40 | 5.53 | | 3.50 4.10 3.70 | 4.07 | | <1 <1 <1 | <1 | <1.6 <1.6 | i | - |
| | | | | | 28.58 29.06 | | 30.70 30.73 | | 8.35 8.30 | | 71.30 80.00 | | 4.66 5.19 | | | 5.50 3.70 | | | 4.40 2.60 | | | <1 <1 | | <1.6 <1.6 | i l | |
| | | | | Surface | 1.0 29.06 29.10 28.94 | | 30.73 30.68 30.98 | 30.71 | 8.30 8.29 8.30 | 8.30 | 80.10 80.10 79.70 | 80.07 | 5.20 5.19 5.17 | 5.19 | 5.18 | 3.80 3.80 3.80 | 3.77 | | 2.80 2.90 2.30 | 2.77 | | <1 <1 <1 | <1 | <1.6 <1.6 <1.6 | | _ |
| 23-Sep-20 | Fine | 3:45 | Moderate | Middle | 5.1 28.93 28.90 28.94 | | 31.02 31.06 31.02 | 31.02 | 8.31 8.31 8.31 | 8.31 | 79.90 79.40 79.50 | 79.67 | 5.18 5.15 5.15 | 5.17 | | 3.90 3.80 3.90 | 3.83 | 3.83 | 2.20 2.40 1.70 | 2.30 | 2.29 | <1 <1 <1 | <1 | <1 <1.6 <1.6 <1.6 | | <1.6 |
| | | | | Bottom | 9.0 28.9 ⁴ 28.9 ⁴ 29.26 | 28.93 | 31.03 31.08 31.23 | 31.04 | 8.29 8.31 8.07 | 8.30 | 79.40 79.10 95.70 | 79.33 | 5.15 5.14 6.17 | 5.15 | 5.15 | 3.90 3.90 2.80 | 3.90 | | 1.90 1.80 2.00 | 1.80 | | <1 <1 <1 | <1 | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 29.26 29.25 | 29.26 | 31.26 31.26 | 31.25 | 8.07 8.08 | 8.07 | 96.80 96.70 | 96.40 | 6.24 6.22 | 6.21 | 6.20 | 2.80 2.80 | 2.80 | | 2.10 2.30 | 2.13 | | <1 <1 | <1 | <1.6 <1.6 | <1.6 | |
| 25-Sep-20 | Fine | 6:36 | Moderate | Middle | 5.0 29.28 29.28 29.29 | 29.28 | 31.42 31.44 31.50 | 31.45 | 8.08 8.07 8.07 | 8.07 | 96.50 95.40 96.50 | 96.13 | 6.22 6.14 6.21 | 6.19 | | 2.70 2.90 2.80 | 2.80 | 2.80 | 2.20 2.50 2.30 | 2.33 | 2.52 | <1 <1 <1 | <1 | <1.6 <1 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 8.9 29.28 29.28 29.27 | 29.28 | 31.51 31.48 31.45 | 31.48 | 8.07 8.07 8.07 | 8.07 | 95.40 94.00 95.40 | 94.93 | 6.14 6.05 6.14 | 6.11 | 6.11 | 2.80 2.80 2.80 | 2.80 | | 3.20 3.00 3.10 | 3.10 | | <1 <1 <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 28.76 28.76 28.75 | 28.75 | 31.95 31.98 31.97 | 31.97 | 8.20 8.13 8.16 | 8.16 | 93.90 95.40 94.50 | 94.60 | 6.08 6.17 6.12 | 6.12 | | 3.50 3.60 3.60 | 3.57 | | 2.80 2.60 2.60 | 2.67 | | <1 <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | |
| 28-Sep-20 | Cloudy | 9:25 | Moderate | Middle | 5.5 28.85 28.85 | 28.82 | 32.04 32.07 | 32.05 | 8.15 8.12 | 8.15 | 94.30 95.80 | 94.63 | 6.10 6.18 | 6.11 | 6.12 | 3.70 3.60 | 3.63 | 3.59 | 3.60 3.90 | 3.77 | 3.58 | <1 | <1 | <1.6 <1 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 28.8° 28.88 10.0 28.90 | 28.90 | 32.03 32.14 32.16 | 32.15 | 8.19 8.14 8.10 | 8.14 | 93.80 94.50 96.90 | 95.00 | 6.06 6.10 6.25 | 6.13 | 6.13 | 3.60 3.50 3.60 | 3.57 | | 3.80 4.30 4.50 | 4.30 | | <1 <1 <1 | <1 | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 28.9° 28.89 1.0 28.88 | | 32.16 31.63 31.67 | 31.66 | 7.89 7.86 | 7.88 | 93.60 76.70 76.20 | 76.77 | 5.36 5.31 | 5.36 | | 3.60 3.60 3.90 | 3.83 | | 4.10 4.20 4.30 | 4.10 | | <1 <1 <1 | <1 | <1.6 <1.6 <1.6 | | + |
| 30-Sep-20 | Fine | 11:09 | Moderate | Middle | 28.88 28.88 5.3 28.88 | | 31.68 31.67 31.67 | 31.67 | 7.88 7.86 7.87 | 7.87 | 77.40 75.00 75.20 | 75.03 | 5.40 5.24 5.25 | 5.24 | 5.30 | 4.00 4.20 3.90 | 4.07 | 4.17 | 3.80 5.10 5.20 | 5.20 | 4.98 | 1.00 1.00 | 1.00 | <1.6 <1.6 1.00 <1.6 | | <1.6 |
| | | | | Bottom | 28.88 28.88 9.6 28.88 | | 31.68 31.68 31.68 | 31.68 | 7.89 7.86 7.89 | 7.87 | 74.90 76.30 75.80 | 76.07 | 5.23 5.33 5.30 | 5.31 | 5.31 | 4.10 4.40 4.70 | 4.60 | | 5.30 5.40 5.70 | 5.63 | | 1.00 1.00 1.00 | 1.00 | <1.6 <1.6 | i | - |
| | | | | Doctorii | 28.88 | | 31.68 | 000 | 7.86 | | 76.10 | . 5.07 | 5.31 | 5.51 | 5.51 | 4.70 | 50 | | 5.80 | 5.00 | | 1.00 | | <1.6 | | |

| Water Quality | Monitoring F Weather | Results at CS Sampling | 2 - Mid-Ebb | | Те | perature(°C) | Sanlin | nity(ppt) | 1 | pН | DO Satur | ation (%) | Diesal | ved Oxygen | (ma/l \ | т. | urbidity (NTU) |) | Suspend | led Solids (m | ng/L) | | opper (a/!) | \1 | Т-4 | tal PAH (µg/ | /L \1 |
|------------------------|-------------------------|---------------------------|-------------|---------|---------------------------------|--------------|-------------------------|-----------|----------------------|---------|-------------------------|-----------|----------------------|------------|---------|----------------------|----------------|------|----------------------|---------------|-------|----------------------|-------------------------|------|----------------------|--------------|-------|
| Date | Condition | Time | Condition | Depth | (m) Value | Average | Value | Average | Value | Average | Value | Average | Value | | | | Average | DA | Value | Average | | Value | opper (µg/L) Average | DA | Value | Average | DA |
| | | | | Surface | 1.0 28.54 28.53 28.54 | 28.54 | 30.49 30.54 30.57 | 30.53 | 7.38 7.39 7.38 | 7.38 | 83.70 82.70 82.10 | 82.83 | 5.74 5.67 5.64 | 5.68 | 5.51 | 6.60 6.50 6.50 | 6.53 | | 3.10 2.90 3.20 | 3.07 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 5-Oct-20 | Cloudy | 1:32 | Moderate | Middle | 5.5 28.58 28.58 28.58 | 28.58 | 30.94 30.93 30.91 | 30.93 | 7.38 7.38 7.38 | 7.38 | 76.80 76.90 77.50 | 77.07 | 5.30 5.32 5.36 | 5.33 | 3.31 | 7.30 7.20 7.10 | 7.20 | 7.24 | 2.90 2.60 3.10 | 2.87 | 2.77 | <1 <1 <1 | <1 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 28.66 10.0 28.66 28.66 | 28.66 | 31.55 31.56 31.50 | 31.54 | 7.42 7.40 7.41 | 7.41 | 75.90 75.10 75.10 | 75.37 | 5.30 5.24 5.25 | 5.26 | 5.26 | 7.90 7.90 8.20 | 8.00 | | 2.20 2.50 2.40 | 2.37 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 28.34 28.34 28.35 | 28.34 | 32.11 32.09 32.09 | 32.10 | 8.10 8.12 8.10 | 8.11 | 88.10 88.00 87.90 | 88.00 | 5.73 5.73 5.72 | 5.73 | | 1.80 1.70 1.90 | 1.80 | | 2.50 2.30 2.10 | 2.30 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 7-Oct-20 | Cloudy | 2:22 | Moderate | Middle | 5.5 28.44 5.5 28.45 28.44 | 28.44 | 32.31 32.29 32.31 | 32.30 | 8.09 8.11 8.09 | 8.10 | 88.40 88.20 88.20 | 88.27 | 5.72 5.72 5.72 | 5.72 | 5.72 | 2.30 2.20 2.20 | 2.23 | 2.18 | 2.50 2.60 2.90 | 2.67 | 2.73 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 28.54 10.0 28.55 28.53 | 28.54 | 32.49 32.50 32.48 | 32.49 | 8.10 8.11 8.11 | 8.11 | 87.90 87.90 87.90 | 87.90 | 5.68 5.68 5.69 | 5.68 | 5.68 | 2.50 2.50 2.50 | 2.50 | | 3.40 3.10 3.20 | 3.23 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 27.76 27.77 27.75 | 27.76 | 31.87 31.87 31.87 | 31.87 | 8.12 8.09 8.16 | 8.12 | 94.30 95.20 93.70 | 94.40 | 6.10 6.15 6.06 | 6.10 | | 4.00 4.10 4.10 | 4.07 | | 4.40 4.60 4.50 | 4.50 | | <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 10-Oct-20 | Cloudy | 4:22 | Moderate | Middle | 5.1 27.82 27.82 | 27.83 | 31.88 31.87 31.86 | 31.87 | 8.08 8.11 8.15 | 8.11 | 95.60 94.10 93.60 | 94.43 | 6.16 6.08 6.04 | 6.09 | 6.10 | 4.00 4.10 4.00 | 4.03 | 4.07 | 3.30 3.40 3.20 | 3.30 | 3.57 | 1.00 1.00 | 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 9.3 27.92 27.89 | 27.91 | 31.87 31.86 31.87 | 31.87 | 8.06 8.13 8.10 | 8.10 | 96.70 93.40 94.30 | 94.80 | 6.23 6.01 6.08 | 6.11 | 6.11 | 4.10 4.10 4.10 | 4.10 | | 3.10 2.80 2.80 | 2.90 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 26.19 1.1 26.24 26.22 | 26.22 | 34.72 34.65 34.68 | 34.68 | 7.90 7.91 7.90 | 7.90 | 94.40 97.70 95.80 | 95.97 | 6.28 6.49 6.37 | 6.38 | | 2.80 2.70 2.70 | 2.73 | | 3.00 3.30 3.20 | 3.17 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 12-Oct-20 | Sunny | 7:52 | Moderate | Middle | 5.3 26.11 26.11 26.11 | 26.11 | 34.84 34.83 34.83 | 34.83 | 7.91 7.90 7.90 | 7.90 | 97.00 93.60 94.70 | 95.10 | 6.45 6.22 6.30 | 6.32 | 6.35 | 2.90 2.80 2.80 | 2.83 | 2.82 | 2.90 2.60 2.80 | 2.77 | 2.72 | 1.00 1.00 | 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 9.3 26.01 26.07 | 26.06 | 34.91 34.83 34.86 | 34.87 | 7.90 7.90 7.92 | 7.91 | 93.70 95.00 98.80 | 95.83 | 6.24 6.32 6.58 | 6.38 | 6.38 | 2.90 2.90 2.90 | 2.90 | | 2.10 2.40 2.20 | 2.23 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 25.24 25.24 25.24 | 25.24 | 34.77 34.79 34.79 | 34.78 | 7.92 7.92 7.92 | 7.92 | 93.60 93.30 93.50 | 93.47 | 6.32 6.30 6.31 | 6.31 | | 3.90 3.70 4.00 | 3.87 | | 5.10 5.40 5.20 | 5.23 | | 2.00 2.00 2.00 | 2.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 14-Oct-20 | Fine | 9:53 | Moderate | Middle | 5.3 25.23 25.25 25.23 | 25.24 | 34.82 34.82 34.83 | 34.82 | 7.92 7.92 7.92 | 7.92 | 93.30 93.20 93.40 | 93.30 | 6.30 6.29 6.31 | 6.30 | 6.31 | 4.00 4.20 4.00 | 4.07 | 4.01 | 6.00 5.70 5.90 | 5.87 | 5.64 | 2.00 | 2.00 | 2.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 9.6 25.25 25.24 25.23 | | 34.82 34.83 34.83 | 34.83 | 7.93 7.92 7.92 | 7.92 | 94.00 93.40 93.10 | 93.50 | 6.34 6.31 6.29 | 6.31 | 6.31 | 4.30 4.00 4.00 | 4.10 | | 6.00 5.80 5.70 | 5.83 | | 2.00 2.00 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 25.44 1.1 25.44 25.44 | 25.44 | 34.74 34.74 34.74 | 34.74 | 8.15 8.14 8.15 | 8.15 | 91.40 91.30 91.40 | 91.37 | 6.15 6.14 6.15 | 6.15 | | 2.80 2.60 2.60 | 2.67 | | 5.90 5.80 5.90 | 5.87 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 16-Oct-20 | Sunny | 11:33 | Moderate | Middle | 5.4 25.13 25.14 25.15 | 25.14 | 34.80 34.80 34.80 | 34.80 | 8.15 8.16 8.14 | 8.15 | 90.90 91.10 90.50 | 90.83 | 6.14 6.15 6.12 | 6.14 | 6.14 | 3.50 3.50 3.40 | 3.47 | 3.31 | 5.40 5.10 5.60 | 5.37 | 5.23 | 1.00 1.00 1.00 | 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 9.8 25.08 25.07 25.09 | 25.08 | 34.80 34.80 34.80 | 34.80 | 8.14 8.16 8.15 | 8.15 | 90.50 90.50 90.20 | 90.40 | 6.12 6.12 6.10 | 6.11 | 6.11 | 3.70 3.90 3.80 | 3.80 | | 4.50 4.60 4.30 | 4.47 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 24.55 24.57 24.55 | 24.56 | 35.21 35.19 35.21 | 35.20 | 8.05 8.05 8.05 | 8.05 | 91.50 91.60 91.80 | 91.63 | 6.23 6.24 6.25 | 6.24 | 6.22 | 3.10 3.00 3.20 | 3.10 | | 3.00 2.80 3.40 | 3.07 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 19-Oct-20 | Cloudy | 1:26 | Moderate | Middle | 5.5 24.49 24.50 24.47 | 24.49 | 35.27 35.27 35.30 | 35.28 | 8.05 8.06 8.05 | 8.05 | 90.90 91.20 90.90 | 91.00 | 6.20 6.21 6.20 | 6.20 | 0.22 | 3.80 3.90 3.80 | 3.83 | 3.74 | 3.60 3.90 4.00 | 3.83 | 3.73 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 10.0 24.46 24.49 24.48 | 24.48 | 35.31 35.28 35.29 | 35.29 | 8.06 8.06 8.05 | 8.06 | 90.40 90.70 90.20 | 90.43 | 6.16 6.18 6.14 | 6.16 | 6.16 | 4.40 4.30 4.20 | 4.30 | | 4.50 4.10 4.30 | 4.30 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 24.29 24.30 24.28 | 24.29 | 35.00 35.00 34.99 | 35.00 | 8.12 8.14 8.13 | 8.13 | 89.60 88.90 88.90 | 89.13 | 6.15 6.09 6.10 | 6.11 | 6.12 | 2.50 2.50 2.60 | 2.53 | | 4.20 4.10 3.80 | 4.03 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 21-Oct-20 | Cloudy | 2:50 | Moderate | Middle | 5.2 24.26 24.26 24.26 | 24.26 | 35.18 35.12 35.14 | 35.15 | 8.13 8.12 8.12 | 8.12 | 88.80 90.20 88.90 | 89.30 | 6.09 6.18 6.10 | 6.12 | 0.12 | 2.60 2.80 2.80 | 2.73 | 2.67 | 3.30 3.20 3.40 | 3.30 | 3.36 | 1.00 1.00 1.00 | 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 9.4 24.26 24.27 24.27 | 24.27 | 35.20 35.17 35.13 | 35.17 | 8.11 8.13 8.12 | 8.12 | 91.50 88.40 89.00 | 89.63 | 6.27 6.06 6.10 | 6.14 | 6.14 | 2.70 2.70 2.80 | 2.73 | | 2.50 2.80 2.90 | 2.73 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | | - | - | - | | - | - | - | | - | _ | | - | | - | - | | - | - | | | - | |
| 23-Oct-20 ² | - | - | - | Middle | | - | - | - | - | - | - | - | - | - | | - | - | | - | - | | - | - | | - | - | |
| | | | | Bottom | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | Surface | 1.0 22.82 22.82 22.82 | 22.82 | 35.59 35.60 35.59 | 35.59 | 8.08 8.09 8.07 | 8.08 | 96.30 96.00 96.00 | 96.10 | 6.75 6.73 6.73 | 6.74 | 6.73 | 3.30 3.40 3.20 | 3.30 | | 3.00 3.20 2.80 | 3.00 | | | | | | | |
| 28-Oct-20 | Cloudy | 10:07 | Moderate | Middle | 5.3 22.84 22.83 | 22.83 | 35.60 35.59 35.60 | 35.60 | 8.09 8.07 8.09 | 8.08 | 95.60 96.40 95.90 | 95.97 | 6.70 6.76 6.72 | 6.73 | 2.70 | 3.30 3.50 3.30 | 3.37 | 3.40 | 2.40 2.40 2.20 | 2.33 | 2.54 | | | | | <u> </u> | |
| | | | | Bottom | 9.6 22.84 22.84 | 22.84 | 35.60 35.60 35.59 | 35.60 | 8.09 8.09 8.07 | 8.08 | 95.70 96.00 95.90 | 95.87 | 6.71 6.73 6.72 | 6.72 | 6.72 | 3.50 3.50 3.60 | 3.53 | | 2.30 2.40 2.20 | 2.30 | | | | | | | |

30-Oct-20

Cloudy

11:24

Moderate

1. Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

35.61

35.60

35.61

35.62 35.61 35.61

35.63 35.62 35.63

8.06

8.05

8.08

8.08 8.07 8.06

8.06 8.07 8.09

8.06

8.07

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35.61

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35.63

90.50

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90.20

89.90 90.40 90.20

90.00

90.20

90.37

90.17

90.03

6.34

6.32

6.32

6.34

6.33

6.30 6.33 6.32

6.31

6.33

6.33

6.32

1.40

1.60 1.80 1.60 1.70

2.30

2.40

1.47

1.70

2.30

1.82

4.37

3.50

3.03

3.63

3.00 5.30

4.80 3.00 4.00 3.50 2.60 3.00 3.50

22.67

22.63

22.61

Surface

Middle

Bottom

1.1

5.5

10.0

22.67

22.68

22.65 22.62 22.63 22.63

22.61

22.61

Water Quality Monitoring Results at CS2 - Mid-Flood Tide

| Water Quality N | Monitoring Re | sults at CS | <u>2 - Mid-Flo</u> od | Tide | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---------------|-------------|-----------------------|----------|------|----------------|-----------|----------------|-----------|---------------|---------|----------------|---------|---------------|-----------|------|---------------|-------------|------|---------------|------------|------|---------------|-------------|-------------|---------------|--------------|----------|
| Date | Weather | Sampling | Sea | Depth | (m) | | ature(°C) | | nity(ppt) | | pН | DO Satura | | | ed Oxygen | | | oidity (NTL | | | ded Solids | | <u> </u> | opper (µg/L | | - | ıl PAH (μg/l | |
| | Condition | Time | Condition | | | Value 25.10 | Average | Value 33.32 | Average | Value 8.12 | Average | Value 89.50 | Average | Value 6.11 | Average | DA | Value 1.50 | Average | DA | Value 2.30 | Average | DA | Value 1.00 | Average | DA | Value <1.6 | Average | DA |
| | | | | Surface | 1.0 | 25.10 | 25.11 | 33.32 | 33.31 | 8.12 | 8.12 | 89.40 | 89.83 | 6.10 | 6.13 | | 1.70 | 1.60 | | 2.40 | 2.30 | | <1 | 1.00 | | <1.6 | <1.6 | ı |
| | | | | | | 25.12 | | 33.30 | | 8.12 | | 90.60 | | 6.19 | | 6.01 | 1.60 | | | 2.20 | | | <1 | | | <1.6 | | 1 |
| 11-Sep-20 | Fine | 19:01 | Moderate | Middle | 5.4 | 25.07 25.09 | 25.08 | 33.36 33.34 | 33.35 | 8.12 8.12 | 8.12 | 86.80 86.60 | 86.33 | 5.92 5.91 | 5.89 | | 2.00 | 2.07 | 1.98 | 2.70 2.90 | 2.73 | 2.92 | 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | madio | 0 | 25.09 | 20.00 | 33.34 | 00.00 | 8.12 | 0.12 | 85.60 | 00.00 | 5.84 | 0.00 | | 2.10 | 2.07 | | 2.60 | 2.70 | | <1 | 1.00 | | <1.6 | 11.0 | 1 |
| | | | | . | | 25.05 | | 33.38 | | 8.12 | | 86.60 | | 5.91 | | | 2.20 | | | 3.60 | | | 1.00 | | 1 | <1.6 | 4.0 | |
| | | | | Bottom | 9.5 | 25.08 25.09 | 25.07 | 33.34 33.34 | 33.35 | 8.12 8.12 | 8.12 | 82.80 84.50 | 84.63 | 5.65 5.77 | 5.78 | 5.78 | 2.30 | 2.27 | | 3.90 3.70 | 3.73 | | <1 <1 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 27.66 | | 31.23 | | 8.13 | | 86.10 | | 5.69 | | | 2.70 | | | 2.40 | | | 3.00 | | | <1.6 | | |
| | | | | Surface | 1.1 | 27.61 | 27.63 | 31.28 | 31.26 | 8.14 | 8.14 | 85.90 | 86.27 | 5.70 | 5.72 | | 2.80 | 2.77 | | 2.30 | 2.30 | | 2.00 | 2.33 | | <1.6 | <1.6 | . |
| | | | | | | 27.62 27.31 | | 31.27 31.75 | | 8.14 8.15 | | 86.80 85.20 | | 5.76 5.64 | | 5.64 | 2.80 | | | 2.20 2.60 | | | 2.00 | | | <1.6 <1.6 | | . |
| 14-Sep-20 | Cloudy | 16:59 | Moderate | Middle | 5.2 | 27.28 | 27.30 | 31.77 | 31.76 | 8.15 | 8.15 | 81.60 | 83.93 | 5.42 | 5.56 | | 2.80 | 2.83 | 2.80 | 2.70 | 2.77 | 2.89 | 2.00 | 2.00 | 2.11 | <1.6 | <1.6 | <1.6 |
| | | | | | | 27.31 | | 31.77 | | 8.14 | | 85.00 | | 5.62 | | | 2.90 | | | 3.00 | | | 2.00 | | | <1.6 | | . |
| | | | | Bottom | 9.2 | 27.15 27.32 | 27.24 | 31.99 31.81 | 31.89 | 8.15 8.14 | 8.15 | 79.20 82.90 | 81.73 | 5.26 5.50 | 5.42 | 5.42 | 2.80 | 2.80 | | 3.80 3.40 | 3.60 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | . |
| | | | | | | 27.26 | | 31.86 | | 8.15 | | 83.10 | | 5.51 | | | 2.80 | | | 3.60 | | | 2.00 | | | <1.6 | | |
| | | | | Surface | 1.0 | 27.77 27.70 | 27.73 | 31.28 31.31 | 31.30 | 8.27 8.27 | 8.27 | 78.90 78.50 | 78.73 | 5.56 5.54 | 5.55 | | 3.50 | 3.33 | | 3.00 2.80 | 2.90 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | . |
| | | | | Odiracc | 1.0 | 27.72 | 21.10 | 31.30 | 01.00 | 8.28 | 0.27 | 78.80 | 70.70 | 5.55 | 0.00 | F F2 | 3.20 | 0.00 | | 2.90 | 2.50 | | <1 | ~ 1 | | <1.6 | <1.0 | . |
| | _ | | | | | 27.67 | | 31.31 | | 8.28 | | 78.20 | | 5.52 | | 5.53 | 3.30 | | | 3.80 | | 1 | <1 | | | <1.6 | | |
| 16-Sep-20 | Sunny | 17:48 | Moderate | Middle | 5.5 | 27.65 27.66 | 27.66 | 31.32 31.32 | 31.32 | 8.27 8.27 | 8.27 | 77.90 78.10 | 78.07 | 5.50 5.51 | 5.51 | | 3.40 | 3.37 | 3.41 | 3.50 3.60 | 3.63 | 3.86 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 27.67 | | 31.32 | | 8.27 | | 78.40 | | 5.53 | | | 3.60 | | | 5.20 | | | <1 | | | <1.6 | | . |
| | | | | Bottom | 10.1 | 27.66 | 27.66 | 31.32 | 31.32 | 8.28 | 8.28 | 78.30 | 78.40 | 5.52 | 5.53 | 5.53 | 3.50 | 3.53 | | 4.90 | 5.03 | | <1 | <1 | | <1.6 | <1.6 | . |
| | | | | | | 27.66 28.02 | | 31.32 30.66 | | 8.28 8.13 | | 78.50 79.50 | | 5.54 5.56 | | | 3.50 2.70 | | | 5.00 4.20 | | | <1 1.00 | | | <1.6 <1.6 | | |
| | | | | Surface | 1.0 | 28.02 | 28.02 | 30.67 | 30.67 | 8.13 | 8.13 | 79.60 | 79.60 | 5.56 | 5.56 | | 2.70 | 2.77 | | 4.10 | 4.13 | | 1.00 | 1.00 | | <1.6 | <1.6 | . |
| | | | | | | 28.02 | | 30.67 | | 8.13 | | 79.70 | | 5.56 | | 5.55 | 2.90 | | | 4.10 | | | 1.00 | | | <1.6 | | . |
| 18-Sep-20 | Fine | 18:58 | Moderate | Middle | 5.7 | 28.02 28.02 | 28.02 | 30.68 30.69 | 30.69 | 8.13 8.13 | 8.13 | 79.10 79.20 | 79.17 | 5.53 5.54 | 5.53 | | 2.80 | 2.93 | 2.89 | 3.90 3.50 | 3.73 | 3.68 | <1 <1 | <1 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | - | | | | | 28.02 | | 30.69 | | 8.13 | | 79.20 | | 5.53 | | | 3.10 | | | 3.80 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 10.3 | 28.02 28.02 | 28.02 | 30.70 30.69 | 30.70 | 8.13 8.13 | 8.13 | 79.30 79.50 | 79.37 | 5.55 5.56 | 5.55 | 5.55 | 2.90 3.00 | 2.97 | | 3.20 2.90 | 3.17 | | <1 | <1 | | <1.6 <1.6 | <1.6 | . |
| | | | | Dottom | 10.5 | 28.02 | 20.02 | 30.70 | 30.70 | 8.13 | 0.13 | 79.30 | 13.31 | 5.54 | 5.55 | 3.33 | 3.00 | 2.51 | | 3.40 | 5.17 | | <1 <1 | ~1 | | <1.6 | <1.0 | . |
| | | | | _ | | 28.49 | | 29.94 | | 8.36 | | 70.90 | | 4.66 | | | 2.70 | | | 2.40 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.0 | 28.49 28.48 | 28.49 | 30.05 29.92 | 29.97 | 8.36 8.36 | 8.36 | 70.70 70.60 | 70.73 | 4.64 | 4.65 | | 2.70 | 2.77 | | 2.30 | 2.40 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | . |
| | | | | | | 28.57 | | 30.56 | | 8.35 | | 70.80 | | 4.63 | | 4.64 | 2.80 | | | 2.90 | | | <1 | | | <1.6 | | . |
| 21-Sep-20 | Cloudy | 8:49 | Moderate | Middle | 5.6 | 28.53 | 28.54 | 30.40 | 30.46 | 8.36 | 8.36 | 70.40 | 70.77 | 4.60 | 4.63 | | 2.80 | 2.80 | 2.79 | 3.20 | 3.00 | 2.80 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.52 28.58 | | 30.43 30.68 | | 8.36 8.35 | | 71.10 71.20 | | 4.66 4.65 | | | 2.80 2.80 | | | 2.90 3.10 | | | <1 <1 | | - | <1.6 <1.6 | | . |
| | | | | Bottom | 10.0 | 28.59 | 28.58 | 30.72 | 30.68 | 8.35 | 8.35 | 70.20 | 70.70 | 4.59 | 4.62 | 4.62 | 2.80 | 2.80 | | 2.90 | 3.00 | | <1 | <1 | | <1.6 | <1.6 | . |
| | | | | | | 28.56 | | 30.64 | | 8.36 | | 70.70 | | 4.62 | | | 2.80 | | | 3.00 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.1 | 29.12 29.03 | 29.09 | 30.64 30.76 | 30.69 | 8.29 8.31 | 8.30 | 80.20 79.90 | 80.07 | 5.20 5.19 | 5.19 | | 2.80 | 2.80 | | 2.10 2.40 | 2.23 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | . |
| | | | | | | 29.11 | | 30.66 | | 8.29 | | 80.10 | | 5.19 | | 5.18 | 2.90 | | | 2.20 | | | <1 | | | <1.6 | | . |
| 23-Sep-20 | Sunny | 11:02 | Moderate | Middle | 5.1 | 28.89 28.91 | 28.90 | 31.05 31.04 | 31.03 | 8.31 | 8.31 | 79.60 79.80 | 79.50 | 5.17 5.17 | 5.16 | | 3.80 | 3.80 | 3.48 | 3.30 3.10 | 3.30 | 3.07 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| 20 Cop 20 | ou, | 2 | Moderate | madio | 0 | 28.90 | 20.00 | 31.01 | 01.00 | 8.31 | 0.01 | 79.10 | 70.00 | 5.13 | 0.10 | | 3.80 | 0.00 | 0.10 | 3.50 | 0.00 | 0.01 | <1 | ٠. | ٠. | <1.6 | 11.0 | 1 |
| | | | | Detter | 0.4 | 28.92 | 20.02 | 31.04 | 24.00 | 8.30 | 0.20 | 79.00 | 70.00 | 5.13 | 5.40 | E 40 | 3.80 | 2 02 | | 3.50 | 2.67 | | <1 | .4 | | <1.6 | .4.0 | . |
| | | | | Bottom | 9.1 | 28.94 28.93 | 28.93 | 30.96 30.99 | 31.00 | 8.30 8.29 | 8.30 | 78.70 78.70 | 78.80 | 5.11 5.11 | 5.12 | 5.12 | 3.90 | 3.83 | | 3.90 3.60 | 3.67 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | . |
| | | | | | | 29.29 | | 31.28 | | 8.14 | | 97.30 | | 6.25 | | | 2.40 | | | 2.70 | | | 1.00 | | | <1.6 | | |
| | | | | Surface | 1.1 | 29.29 29.29 | 29.29 | 31.24 31.25 | 31.26 | 8.15 8.14 | 8.14 | 97.40 96.50 | 97.07 | 6.27 | 6.25 | | 2.40 | 2.40 | | 2.70 2.50 | 2.63 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | . |
| | | | | | | 29.27 | | 31.78 | | 8.13 | | 96.90 | | 6.24 | | 6.21 | 2.50 | | | 3.30 | | | <1 | | | <1.6 | | . |
| 25-Sep-20 | Fine | 19:24 | Moderate | Middle | 4.7 | 29.29 | 29.28 | 31.66 | 31.72 | 8.14 | 8.14 | 95.60 | 96.10 | 6.14 | 6.18 | | 2.50 | 2.50 | 2.48 | 3.30 | 3.37 | 3.26 | <1 | <1 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 29.28 29.26 | | 31.73 31.92 | | 8.14 8.13 | | 95.80 96.00 | | 6.15 6.17 | | | 2.50 2.50 | | | 3.50 3.90 | | | <1 <1 | | - | <1.6 <1.6 | | |
| | | | | Bottom | 8.4 | 29.28 | 29.27 | 31.75 | 31.82 | 8.14 | 8.13 | 95.50 | 95.57 | 6.14 | 6.14 | 6.14 | 2.60 | 2.53 | | 3.70 | 3.77 | | <1 | <1 | | <1.6 | <1.6 | . |
| | | | | | | 29.28 | | 31.80 | | 8.13 | | 95.20 | | 6.12 | | | 2.50 | | | 3.70 | | | <1 | | | <1.6 | | \vdash |
| | | | | Surface | 1.1 | 28.84 28.84 | 28.84 | 32.05 32.07 | 32.06 | 8.13 8.13 | 8.13 | 91.80 91.90 | 91.83 | 5.93 5.93 | 5.93 | | 5.20 5.00 | 5.10 | | 7.90 7.60 | 7.77 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | . |
| | | | | | | 28.83 | | 32.07 | | 8.13 | • | 91.80 | | 5.93 | | 5.92 | 5.10 | | | 7.80 | | | <1 | | | <1.6 | | ı |
| 28-Sep-20 | Fine | 17:07 | Moderate | Middle | 5.4 | 28.84 | 28.84 | 32.11 | 32.11 | 8.13 | 8.13 | 91.60 | 91.63 | 5.91 | 5.92 | | 5.10 | 5.17 | 5.20 | 8.40 | 8.33 | 8.61 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| 26-3ep-20 | rille | 17.07 | Moderate | Middle | 5.4 | 28.84 28.84 | 20.04 | 32.11 32.11 | 32.11 | 8.13 8.13 | 0.13 | 91.70 91.60 | 91.03 | 5.92 5.92 | 5.92 | | 5.20 5.20 | 5.17 | 5.20 | 8.20 8.40 | 0.33 | 0.01 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.0 | <1.0 |
| | | | | _ | | 28.84 | | 32.16 | | 8.13 | | 91.40 | | 5.91 | | | 5.40 | | | 9.90 | | | <1 | | | <1.6 | | . |
| | | | | Bottom | 9.6 | 28.84 28.84 | 28.84 | 32.13 32.19 | 32.16 | 8.13 8.13 | 8.13 | 91.40 91.70 | 91.50 | 5.90 5.92 | 5.91 | 5.91 | 5.20 5.40 | 5.33 | | 9.50 9.80 | 9.73 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | . |
| | | | | | | 29.00 | | 31.23 | | 7.97 | | 74.40 | | 5.19 | | | 2.40 | | | 6.60 | | | <1 | | | <1.6 | | = |
| | | | | Surface | 1.0 | 29.00 | 29.00 | 31.23 | 31.23 | 7.96 | 7.97 | 74.40 | 74.13 | 5.20 | 5.18 | | 2.30 | 2.47 | | 6.20 | 6.40 | | <1 | <1 | | <1.6 | <1.6 | , |
| | | | | | | 29.00 29.01 | | 31.23 31.32 | | 7.97 7.97 | | 73.60 72.90 | | 5.14 5.09 | | 5.13 | 2.70 2.90 | | | 6.40 5.00 | | - | <1 <1 | | - | <1.6 <1.6 | | , |
| 30-Sep-20 | Fine | 18:00 | Moderate | Middle | 5.3 | 29.02 | 29.02 | 31.35 | 31.35 | 7.97 | 7.97 | 72.70 | 72.87 | 5.08 | 5.09 | | 3.00 | 2.93 | 2.87 | 5.30 | 5.13 | 5.29 | <1 | <1 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 29.04 | | 31.39 | | 7.97 | | 73.00 | | 5.10 | | | 2.90 | | | 5.10 | | 1 | <1 | | - | <1.6 | | , I |
| | | | | Bottom | 9.5 | 29.01 29.02 | 29.02 | 31.37 31.38 | 31.38 | 7.97 7.97 | 7.97 | 73.20 73.60 | 73.40 | 5.12 5.14 | 5.13 | 5.13 | 3.00 | 3.20 | | 4.30 4.40 | 4.33 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | , I |
| | | | | | | 29.02 | | 31.39 | 1 | 7.97 | | 73.40 | | 5.13 | | | 3.20 | | | 4.30 | | | 1.00 | | | <1.6 | | . |

| Marchard M | Water Quality Date | Weather | Sampling | Sea Sea | | (m) | Temper | rature(°C) | Sanlii | nity(ppt) | | рН | DO Satur | ration (%) | Dissol | ved Oxygen | (mg/L) | Tu | rbidity (NT | J) | Susper | nded Solids | (mg/L) | Co | pper (µg/L) | ¹ Total | PAH (μg/l | L) ¹ |
|--|--------------------|-----------|----------|------------|----------|-------|--------|------------|--------|-----------|------|---------|----------|------------|--------|------------|--------|------|-------------|------|--------|-------------|--------|-------|-------------|--------------------|-----------|-----------------|
| | Date | Condition | Time | Condition | Берит | (111) | Value | | | Average | | Average | | Average | | Average | DA | | Average | DA | | Average | DA | Value | Average | DA Value | Average | DA |
| Parish range Pari | | | | | Surface | 1.1 | 28.67 | 28.65 | 30.06 | 30.07 | 7.42 | 7.42 | 82.70 | 82.97 | 5.62 | 5.65 | | 7.40 | 7.17 | | 4.40 | 4.10 | | <1 | <1 | <1.6 | <1.6 | 1 |
| 1 | | | | | | | 28.65 | | 30.55 | | 7.43 | | | | | | 5.34 | | | | | | | | | <1.6 | | 1 |
| 1 | 5-Oct-20 | Rainy | 8:29 | Moderate | Middle | 5.5 | | 28.65 | | 30.57 | | 7.44 | | 72.27 | | 5.03 | | | 8.20 | 8.13 | | 2.93 | 3.08 | | <1 | | <1.6 | <1.6 |
| Part | | | | | Bottom | 10.0 | 28.69 | 28 60 | 31.11 | 31.08 | 7.50 | 7.50 | 76.00 | 76.60 | 5.38 | 5.42 | 5.42 | 9.20 | 9.03 | İ | 2.20 | 2 20 | | <1 | -1 | <1.6 | -16 | 1 |
| Part | | | | | Dottom | 10.0 | 28.68 | 20.03 | 31.04 | 31.00 | 7.50 | 7.50 | 76.50 | 70.00 | 5.41 | 3.42 | 3.42 | 9.00 | 3.03 | | 2.10 | 2.20 | | <1 | ν, | <1.6 | <1.0 | |
| Parish | | | | | Surface | 1.1 | 28.34 | 28.34 | 31.98 | 31.98 | 8.07 | 8.08 | 87.90 | 87.83 | 5.73 | 5.72 | | 2.00 | 2.07 | | 3.50 | 3.33 | | <1 | <1 | <1.6 | <1.6 | 1 |
| Fig. | | | | | | | | | | | | | | | | | 5.69 | | | İ | | | | | | | | 1 |
| 14 15 15 15 15 15 15 15 | 7-Oct-20 | Cloudy | 9:42 | Moderate | Middle | 5.6 | | 28.54 | | 32.28 | | 8.07 | 87.40 | 87.37 | | 5.66 | | | 3.13 | 2.88 | | 4.33 | 4.30 | | <1 | | <1.6 | <1.6 |
| 100 100 100 100 100 100 100 100 100 100 | | | | | Bottom | 10.2 | 28.62 | 28.62 | 32.43 | 32.43 | 8.08 | 8 08 | 87.50 | 87 37 | 5.66 | 5.65 | 5.65 | 3.40 | 3 //3 | | 5.40 | 5 23 | | <1 | -1 | <1.6 | -16 | |
| 14 15 15 15 15 15 15 15 | | | | | Bottom | 10.2 | 28.62 | 26.02 | 32.43 | 32.43 | 8.10 | 8.08 | 87.30 | 67.37 | 5.65 | 5.05 | 5.05 | 3.50 | 3.43 | | 5.20 | 5.25 | | <1 | ν, | <1.6 | <1.0 | |
| 14 15 15 15 15 15 15 15 | | | | | Surface | 1.1 | | 27.90 | | 31.84 | | 8.09 | | 91.13 | | 5.86 | | | 4.60 | | | 4.20 | | | <1 | | <1.6 | 1 |
| 10-04-10 1-10 1-10 1-10 1-10 1-10 1-10 1 | | | | | | | | | | | | | | | | | 5.85 | | | | | | | | | | | 1 |
| 14 15 15 15 15 15 15 15 | 10-Oct-20 | Sunny | 17:52 | Moderate | Middle | 5.1 | 27.90 | 27.90 | 31.86 | 31.86 | 8.09 | 8.09 | 90.70 | 90.77 | 5.83 | 5.84 | | 4.70 | 4.73 | 4.68 | 5.00 | 4.87 | 5.12 | 1.00 | 1.00 | 1.00 <1.6 | <1.6 | <1.6 |
| 12 Org. 12 Org. 13 Org | | | | | | | 27.90 | | 31.89 | | 8.09 | | 90.80 | | 5.84 | | | 4.70 | | | 6.10 | | | 1.00 | | <1.6 | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | Bottom | 9.2 | | 27.90 | | 31.90 | | 8.09 | | 90.87 | | 5.84 | 5.84 | | 4.70 | | | 6.30 | | | 1.00 | | <1.6 | |
| 14-14-14-14-14-14-14-14-14-14-14-14-14-1 | | | | | Surface | 1.0 | | 26.22 | | 34.72 | | 7.93 | | 100.80 | | 6.70 | | | 3.17 | | | 2.70 | | | 1.00 | | <1.6 | |
| 12-On-20 | | | | | | | 26.22 | | 34.72 | | 7.93 | | 100.70 | | 6.69 | | 6.64 | 3.20 | | • | 2.80 | | | 1.00 | | <1.6 | | 1 |
| 14 15 15 15 15 15 15 15 | 12-Oct-20 | Sunny | 15:47 | Moderate | Middle | 5.8 | 26.17 | 26.16 | 34.77 | 34.78 | 7.94 | 7.93 | 98.20 | 99.13 | 6.53 | 6.59 | | 3.50 | 3.30 | 3.31 | 3.10 | 3.30 | 3.46 | 1.00 | 1.00 | 1.00 <1.6 | <1.6 | <1.6 |
| 14 14 15 16 16 16 16 16 16 16 | | | | | | | | | 34.81 | | 7.93 | | | | | | | | | | | | | | | | | ł |
| Harapate Fac | | | | | Bottom | 10.5 | | 26.10 | | 34.83 | | 7.93 | | 100.57 | | 6.69 | 6.69 | | 3.47 | | | 4.37 | | | 1.00 | | <1.6 | |
| 14.04.20 | | | | | Surface | 1.0 | 25.18 | 25.18 | | 34.83 | 7.92 | 7 92 | 95.00 | 95.07 | | 6.42 | | 4.10 | 3.90 | | 6.30 | 6.43 | | | 1.00 | <1.6 | <1.6 | |
| 14-Cut 20 | | | | | Ouriace | 1.0 | 25.18 | 23.10 | 34.83 | 34.03 | 7.92 | 7.32 | 95.10 | 33.07 | 6.42 | 0.42 | 6.41 | 3.90 | 3.30 | | 6.40 | 0.45 | | 1.00 | 1.00 | <1.6 | <1.0 |] |
| 14-Out 15-Out 1 | 14-Oct-20 | Fine | 16:46 | Moderate | Middle | 5.4 | | 25.19 | | 34.83 | | 7.92 | | 94.63 | | 6.39 | | | 4.20 | 4.10 | | 6.60 | 6.81 | | 2.00 | | <1.6 | <1.6 |
| 1-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | | | | | | | | | | | | | | | | | | | | İ | | | | | | | | 1 |
| 16-Oct Suny 17-26 Suny 17- | | | | | Bottom | 9.8 | 25.19 | 25.19 | 34.83 | 34.83 | | 7.92 | 94.50 | 94.77 | 6.39 | 6.40 | 6.40 | | 4.20 | | 7.20 | 7.40 | | 2.00 | 2.00 | <1.6 | <1.6 | |
| 14-04-06-06-06-06-06-06-06-06-06-06-06-06-06- | | | | | Custons | 1.0 | 25.24 | 25.24 | 34.85 | 24.04 | 8.17 | 0.47 | 91.50 | 04.20 | 6.18 | 6.46 | | 3.40 | 2.20 | | 3.20 | 2.20 | | <1 | -4 | <1.6 | :4.6 | |
| 16 Oct 20 | | | | | Surface | 1.0 | 25.22 | 25.24 | 34.84 | 34.64 | 8.17 | 0.17 | 91.30 | 91.30 | | 6.16 | 6 14 | | 3.30 | | 3.30 | 3.30 | | | <1 | | <1.6 |] |
| 19-Oct-20 17-0 | 16-Oct-20 | Sunny | 17:58 | Moderate | Middle | 5.6 | | 25.18 | | 34.86 | | 8.17 | | 90.57 | | 6.12 | **** | | 4.13 | 3.94 | | 4.30 | 4.37 | | <1 | | <1.6 | <1.€ |
| Section 102 102 103 103 104 103 104 | | | | | | | | | | | | | | | | | | | | | | | | | | <1.6 | | - |
| Surface Part | | | | | Bottom | 10.2 | 25.14 | 25.14 | 34.86 | 34.86 | 8.17 | 8.17 | 90.30 | 90.10 | 6.10 | 6.09 | 6.09 | 4.50 | 4.40 | | 5.50 | 5.50 | | <1 | <1 | <1.6 | <1.6 | |
| | | | | | | | 24.59 | | 35.21 | | 7.98 | | 89.30 | | 6.09 | | | 3.50 | | | 3.80 | | | <1 | | <1.6 | | |
| 19-Cit 20 Cloudy Part Moderate Moder | | | | | Surface | 1.1 | | 24.59 | | 35.21 | 7.98 | 7.98 | | 89.33 | | 6.09 | 6.09 | | 3.43 | | | 4.03 | | | <1 | | <1.6 | |
| Part | 19-Oct-20 | Cloudy | 8:31 | Moderate | Middle | 5.6 | | 24.57 | | 35.22 | | 7.98 | | 89.23 | | 6.08 | 0.00 | | 3.80 | 3.84 | | 4.70 | 4.76 | | <1 | | <1.6 | <1.6 |
| Sum | | | | | | | 24.56 | | 35.22 | | 7.98 | | 89.10 | | 6.08 | | | 3.80 | | | 4.60 | | | <1 | | <1.6 | | |
| Surface 1, 10.5 Surface 1, 10. | | | | | Bottom | 10.2 | 24.56 | 24.55 | 35.23 | 35.23 | 7.98 | 7.98 | 88.70 | 88.80 | 6.04 | 6.05 | 6.05 | 4.40 | 4.30 | | 5.70 | 5.53 | | <1 | <1 | <1.6 | <1.6 | |
| 21-Oct 20 | | | | | | | 24.30 | | 35.12 | | 8.16 | | 89.20 | | 6.11 | | | 2.50 | | | 2.80 | | | <1 | | <1.6 | | \vdash |
| 21-Oct-20 Sunny 10:05 Moderate Middle S. 24:19 24:11 35:16 3 | | | | | Surface | 1.0 | | 24.26 | | 35.13 | | 8.15 | | 89.83 | | 6.16 | 6.46 | | 2.53 | | | 2.63 | | | <1 | | <1.6 | 1 |
| Section Sect | 21-Oct-20 | Sunny | 10:05 | Moderate | Middle | 5.4 | 24.26 | 24 21 | 35.22 | 35.18 | 8.14 | 8 14 | 88.70 | 89 97 | 6.08 | 6 17 | 6.16 | 2.60 | 2 57 | 2 57 | 3.20 | 3 17 | 3.47 | <1 | -1 | <1.6 | <1.6 | -16 |
| Section Sect | 21 001 20 | Cuiny | 10.00 | Wodorato | Middle | 0.1 | 24.19 | 24.21 | 35.17 | 00.10 | 8.14 | 0.1.1 | 92.60 | 00.07 | 6.35 | 0.11 | | 2.50 | 2.07 | 2.07 | 3.40 | 0.11 | 0.11 | <1 | | <1.6 | 11.0 | |
| 23-Oct-20 ² P. F. F. F. F. F. F. F. F. F. F. F. F. F. | | | | | Bottom | 9.9 | 24.18 | 24.21 | 35.18 | 35.20 | 8.15 | 8.14 | 88.70 | 89.93 | 6.08 | 6.16 | 6.16 | 2.60 | 2.60 | | 4.60 | 4.60 | | <1 | <1 | <1.6 | <1.6 | 1 |
| 23-Oct-20 | | | | | | | 24.18 | | 35.18 | | 8.14 | | 92.60 | | 6.35 | | | 2.60 | | | 4.80 | | | - <1 | | <1.6 | | \vdash |
| 23-Oct-20° | | | | | Surface | - | - | - | | - | - | - | | - | - | - | | - | - | | - | - | | - | - | - | - | |
| Bottom Fig. | 00.0.1.002 | _ | _ | _ | Middle | | - | | - | _ | - | | - | | - | _ | - | - | | - | - | _ | - | - | _ | - | | 1 |
| Bottom Section Secti | 23-001-20 | | | | Middle | | - | | _ | | | | | | | | | | | | - | | | | | | | <u> </u> |
| Surface 1.1 22.83 22.83 35.54 7.94 7.94 96.20 6.74 6.74 6.75 2.30 2.30 2.30 2.30 2.30 2.30 2.30 2.30 | | | | | Bottom | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - | - |
| Surface 1.1 22.83 22.83 35.54 7.94 7.94 96.20 6.74 6.74 6.75 2.30 2.30 2.30 2.30 2.30 2.30 2.30 2.30 | | | | | | | 22.83 | | 35.54 | | 7.95 | | 96.90 | | 6.79 | | | 2.30 | | | 2.80 | | | - | | - | | — |
| 28-Oct-20 Rainy 17:24 Moderate Middle 5.2 22.83 35.54 7.94 96.40 96.13 6.76 6.74 2.40 2.40 3.60 3.60 3.60 3.60 3.60 3.60 3.60 3.6 | | | | | Surface | 1.1 | 22.83 | 22.83 | 35.53 | 35.54 | | 7.94 | 96.40 | 96.50 | 6.76 | 6.76 | | 2.30 | 2.30 | | | 2.83 | | | | | | 1 |
| Surface Fig. Fig. Surface Fig. Surface Fig. | 29 Oot 20 | Point | 17:04 | Moderate | Middle | E 2 | 22.83 | 22.02 | 35.54 | 25.54 | 7.94 | 7.04 | 96.10 | 06.13 | 6.74 | 6.74 | 6.75 | 2.40 | 2.42 | 2 20 | 3.60 | 2.52 | 276 | | | | | 1 |
| Bottom 9.4 22.83 22.83 35.54 7.95 7.94 96.60 96.23 6.77 6.74 6.74 2.40 2.43 4.90 4.90 4.90 4.90 4.90 4.90 4.90 4.90 | 28-001-20 | Rainy | 17.24 | Woderate | ivildale | 5.2 | 22.83 | 22.03 | 35.53 | 33.54 | 7.94 | 7.54 | 95.90 | 90.13 | 6.72 | 0.74 | | 2.40 | 2.43 | 2.39 | 3.60 | 3.33 | 3.70 | | | | |] |
| Surface 1.1 2.282 2.283 35.54 7.91 95.90 6.72 2.50 5.00 | | | | | Bottom | 9.4 | | 22.83 | | 35.54 | | 7.94 | | 96.23 | | 6.74 | 6.74 | | 2.43 | | | 4.90 | | | | | | |
| Surface 1.1 22.82 22.82 35.54 7.90 7.91 90.90 90.80 6.37 6.37 6.37 6.37 6.37 6.37 6.37 6.37 | | | | | + + | | 22.84 | 1 | 35.53 | | 7.94 | | | | 6.72 | | | 2.50 | | | 5.00 | | | | | | | |
| 30-Oct-20 Cloudy 17:37 Moderate Middle 5.6 22.83 22.83 35.54 7.91 7.91 90.50 90.47 6.34 6.35 6.34 1.50 1.50 1.53 1.60 3.30 3.17 3.29 3.20 3.20 3.20 3.20 3.20 3.20 3.20 3.20 | | | | | Surface | 1.1 | 22.82 | 22.82 | 35.54 | 35.54 | 7.90 | 7.91 | 90.90 | 90.80 | 6.37 | 6.37 | | 1.40 | 1.50 | | 3.10 | 3.03 | | | | | | |
| 22.83 35.54 7.91 90.30 6.33 1.50 3.20 | 00.0.4.5 | GI | 47.07 | | | | 22.83 | 00.0- | 35.55 | 05.5 | 7.91 | 7.04 | 90.50 | 00.4- | 6.34 | 0.04 | 6.35 | 1.60 | 4.50 | 4.00 | 3.00 | 0.47 | 0.05 | | | | | |
| Bottom 10.2 22.81 22.79 35.56 35.57 7.91 7.91 89.90 90.00 6.30 6.31 1.70 1.77 3.20 3.67 | 30-Oct-20 | Cloudy | 17:37 | ivioderate | Middle | 5.6 | 22.83 | 22.83 | 35.54 | 35.54 | 7.91 | 7.91 | 90.30 | 90.47 | 6.33 | ь.34 | | 1.50 | 1.53 | 1.60 | 3.20 | 3.17 | 3.29 | | | | | |
| 22.79 35.58 7.91 90.00 6.31 1.80 4.00 | | | | | Bottom | 10.2 | | 22.79 | | 35.57 | | 7.91 | | 90.00 | | 6.31 | 6.31 | | 1.77 | | | 3.67 | | | | | | |
| | Note: | | | | | | | I | | | | | | | | | | | | | | | | | | | | |

- 1. Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

 2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

Water Quality Monitoring Results at CS3 - Mid-Ebb Tide

| Water Quality | Monitoring I | Results at | CS3 - Mid-El | ob Tide | | | | | | | | 10 | | 70 | | | nr | | | | | | 1 | | | | | |
|---------------|----------------------|------------------|------------------|---------|-----|----------------------------------|----------------------|----------------------------------|---------------------|------------------------------|--------------|----------------------------------|-----------------------|------------------------------|----------------------|------|------------------------------|-------------------------|------|------------------------------|-----------------------|--------|--------------------------|-----------------------|------|------------------------------|----------------------|------|
| Date | Weather Condition | Sampling Time | Sea Condition | Depth | (m) | Tempera Value | ature(°C) Average | Sanlin Value | ity(ppt) Average | | H Average | DO Satu Value | ration (%) Average | Dissolve Value | ed Oxygen Average | | | rbidity (NTU Average | | Suspen Value | ded Solids Average | (mg/L) | | pper (µg/l Average | | | l PAH (μο Average | |
| | | | | Surface | 1.0 | 25.00 25.05 25.02 24.87 | 25.02 | 33.46 33.44 33.44 33.57 | 33.45 | 8.09 8.09 8.09 8.10 | 8.09 | 91.50 91.80 91.20 87.10 | 91.50 | 6.27 6.30 6.23 5.96 | 6.27 | 6.14 | 1.50 1.30 1.40 2.20 | 1.40 | | 1.40 1.60 1.50 2.40 | 1.50 | | 1.00 <1 <1 1.00 | 1.00 | | <1.6 <1.6 <1.6 <1.6 | <1.6 | - |
| 11-Sep-20 | Fine | 6:31 | Moderate | Middle | 3.9 | 24.83 24.86 24.80 | 24.85 | 33.63 33.57 33.82 | 33.59 | 8.10 8.10 8.09 | 8.10 | 87.60 88.70 84.70 | 87.80 | 6.00 6.07 5.79 | 6.01 | | 2.20 2.10 2.50 | 2.17 | 1.98 | 2.10 2.50 3.00 | 2.33 | 2.34 | 1.00 <1 <1 | 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.7 | 24.68 24.69 27.63 | 24.72 | 33.89 33.94 31.37 | 33.88 | 8.11 8.10 8.09 | 8.10 | 86.40 87.00 91.90 | 86.03 | 5.92 5.95 6.09 | 5.89 | 5.89 | 2.30 2.30 3.30 | 2.37 | | 3.40 3.20 1.60 | 3.20 | | 1.00 <1 2.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | 1 |
| | | | | Surface | 1.1 | 27.65 27.63 27.57 | 27.64 | 31.35 31.35 31.39 | 31.36 | 8.09 8.09 8.09 | 8.09 | 90.80 90.20 89.70 | 90.97 | 6.01 5.97 5.93 | 6.02 | 5.98 | 3.70 3.60 3.80 | 3.53 | | 1.60 1.90 2.60 | 1.70 | | 3.00 2.00 3.00 | 2.33 | | <1.6 <1.6 <1.6 | <1.6 | |
| 14-Sep-20 | Cloudy | 9:36 | Moderate | Middle | 3.5 | 27.56 27.54 27.57 | 27.56 | 31.37 31.42 31.39 | 31.39 | 8.09 8.09 8.09 | 8.09 | 89.20 90.00 89.40 | 89.63 | 5.90 5.95 5.92 | 5.93 | | 3.80 3.60 3.80 | 3.73 | 3.69 | 2.50 2.90 4.20 | 2.67 | 2.79 | 2.00 2.00 2.00 | 2.33 | 2.22 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.0 | 27.55 27.54 28.01 | 27.55 | 31.37 31.42 31.11 | 31.39 | 8.09 8.08 8.25 | 8.09 | 88.90 89.80 80.00 | 89.37 | 5.89 5.95 5.61 | 5.92 | 5.92 | 3.80 3.80 2.70 | 3.80 | | 3.90 3.90 2.80 | 4.00 | | 2.00 | 2.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 16-Sep-20 | Sunny | 11:06 | Moderate | Surface | 3.9 | 27.98 27.96 27.89 27.86 | 27.98 | 31.14 31.14 31.17 31.19 | 31.13 | 8.26 8.25 8.26 8.26 | 8.25 | 80.20 79.70 79.50 79.20 | 79.97 | 5.62 5.58 5.59 5.56 | 5.60 | 5.59 | 2.60 2.60 2.60 3.00 | 2.63 | 2.83 | 3.00 2.40 3.90 3.80 | 3.87 | 3.81 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| 10-Оер-20 | Suriny | 11.00 | Woderate | Bottom | 6.8 | 27.79 27.80 27.78 | 27.82 | 31.20 31.19 31.20 | 31.19 | 8.25 8.26 8.25 | 8.26 | 79.00 79.30 79.40 | 79.50 | 5.56 5.56 5.58 | 5.58 | 5.58 | 2.80 3.20 2.90 | 3.07 | 2.00 | 3.90 4.60 5.00 | 4.83 | 3.01 | <1 <1 <1 <1 | <1 | 7 | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 27.89 28.02 28.02 | 28.02 | 31.17 30.67 30.67 | 30.68 | 8.26 8.10 8.10 | 8.10 | 79.80 81.40 81.40 | 81.30 | 5.60 5.67 5.67 | 5.66 | | 3.10 2.10 2.20 | 2.20 | | 4.90 3.90 3.60 | 3.80 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 18-Sep-20 | Fine | 12:46 | Moderate | Middle | 3.9 | 28.03 28.06 28.05 | 28.06 | 30.69 30.78 30.77 | 30.79 | 8.09 8.09 8.09 | 8.09 | 81.10 80.70 80.70 | 80.77 | 5.65 5.62 5.62 | 5.63 | 5.65 | 2.30 2.40 2.70 | 2.43 | 2.40 | 3.90 3.80 3.70 | 3.73 | 3.98 | <1 <1 <1 | <1 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.8 | 28.06 28.07 28.08 28.07 | 28.07 | 30.82 30.85 30.86 30.86 | 30.86 | 8.09 8.09 8.09 8.09 | 8.09 | 80.90 80.80 80.90 81.20 | 80.97 | 5.64 5.63 5.64 5.65 | 5.64 | 5.64 | 2.20 2.60 2.50 2.60 | 2.57 | | 3.70 4.20 4.40 4.60 | 4.40 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 28.61 28.62 28.62 | 28.62 | 30.59 30.63 30.66 | 30.63 | 8.37 8.37 8.36 | 8.37 | 76.30 74.80 80.60 | 77.23 | 4.98 4.89 5.26 | 5.04 | | 5.80 5.60 5.90 | 5.77 | | 3.90 4.20 4.20 | 4.10 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 21-Sep-20 | Cloudy | 2:53 | Moderate | Middle | 3.7 | 28.64 28.63 28.64 | 28.64 | 30.87 30.84 30.87 | 30.86 | 8.36 8.37 8.35 | 8.36 | 76.00 74.80 78.30 | 76.37 | 4.96 4.88 5.10 | 4.98 | 5.01 | 5.80 5.80 5.80 | 5.80 | 5.80 | 3.60 3.70 3.40 | 3.57 | 3.36 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.3 | 28.63 28.63 28.64 | 28.63 | 30.84 30.82 30.88 | 30.85 | 8.36 8.37 8.34 | 8.36 | 75.40 74.80 77.50 | 75.90 | 4.93 4.88 5.06 | 4.96 | 4.96 | 5.90 5.80 5.80 | 5.83 | | 2.20 2.60 2.40 | 2.40 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 28.92 28.94 28.93 | 28.93 | 30.48 30.32 30.35 | 30.38 | 8.02 8.02 8.02 | 8.02 | 87.20 82.00 80.40 | 83.20 | 5.66 5.32 5.23 | 5.40 | 5.37 | 4.70 4.80 4.80 | 4.77 | | 2.10 2.10 2.00 | 2.07 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 23-Sep-20 | Fine | 4:19 | Moderate | Middle | 3.6 | 28.89 28.89 28.89 28.89 | 28.89 | 30.99 31.04 31.01 31.06 | 31.01 | 8.00 8.02 8.02 8.02 | 8.01 | 80.60 84.80 81.70 81.30 | 82.37 | 5.23 5.50 5.30 5.29 | 5.34 | | 5.50 5.40 5.30 5.60 | 5.40 | 5.23 | 2.50 2.30 2.50 2.70 | 2.43 | 2.47 | <1 <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.2 | 28.91 28.90 29.28 | 28.90 | 30.90 31.14 31.42 | 31.03 | 8.01 8.00 8.08 | 8.01 | 80.60 83.60 98.70 | 81.83 | 5.23 5.44 6.35 | 5.32 | 5.32 | 5.50 5.50 2.50 | 5.53 | | 2.90 3.10 2.80 | 2.90 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 29.26 29.25 29.26 | 29.26 | 31.28 31.29 31.44 | 31.33 | 8.07 8.07 8.07 | 8.07 | 97.40 98.20 97.70 | 98.10 | 6.28 6.32 6.29 | 6.32 | 6.30 | 2.50 2.50 2.60 | 2.50 | | 2.90 2.80 2.50 | 2.83 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | - |
| 25-Sep-20 | Fine | 6:59 | Moderate | Middle | 6.4 | 29.30 29.29 29.15 29.28 | 29.28 | 31.64 31.51 31.56 31.53 | 31.53 | 8.07 8.07 8.07 8.07 | 8.07 | 98.30 97.40 97.50 96.50 | 97.80 | 6.31 6.27 6.29 6.20 | 6.29 | 6.23 | 2.50 2.50 2.50 2.60 | 2.53 | 2.52 | 2.50 2.50 2.00 2.10 | 2.50 | 2.47 | <1 <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Surface | 1.0 | 29.27 28.86 28.85 | 28.86 | 31.48 32.06 32.06 | 32.06 | 8.07 8.16 8.14 | 8.14 | 96.50 93.20 93.30 | 93.87 | 6.21 6.02 6.02 | 6.06 | 0.20 | 2.50 4.30 4.30 | 4.30 | | 2.10 2.10 6.70 6.90 | 6.67 | | <1 2.00 2.00 | 2.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 28-Sep-20 | Cloudy | 9:38 | Moderate | Middle | 3.8 | 28.86 28.87 28.88 | 28.87 | 32.06 32.05 32.07 | 32.06 | 8.12 8.15 8.11 | 8.13 | 95.10 93.10 95.50 | 94.13 | 6.14 6.01 6.16 | 6.07 | 6.07 | 4.30 4.50 4.50 | 4.47 | 4.41 | 6.40 5.30 5.60 | 5.50 | 5.57 | 2.00 <1 <1 | <1 | 1.33 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.6 | 28.87 28.92 28.90 | 28.90 | 32.06 32.06 32.06 | 32.06 | 8.13 8.11 8.12 | 8.12 | 93.80 97.70 93.80 | 94.67 | 6.05 6.30 6.05 | 6.11 | 6.11 | 4.40 4.50 4.50 | 4.47 | | 5.60 4.60 4.30 | 4.53 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 28.87 28.88 28.90 28.89 | 28.89 | 32.05 31.66 31.61 31.65 | 31.64 | 7.88 7.89 7.88 | 7.88 | 92.50 77.80 77.50 77.80 | 77.70 | 5.97 5.43 5.41 5.42 | 5.42 | | 3.40 3.30 3.40 | 3.37 | | 3.80 3.70 3.70 | 3.73 | | <1 <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 <1.6 | <1.6 | |
| 30-Sep-20 | Fine | 11:31 | Moderate | Middle | 3.9 | 28.88 28.88 28.88 | 28.88 | 31.67 31.67 31.67 | 31.67 | 7.88 7.88 7.89 | 7.88 | 76.50 75.80 76.30 | 76.20 | 5.33 5.29 5.32 | 5.31 | 5.37 | 5.20 5.30 5.30 | 5.27 | 4.71 | 4.00 4.50 4.40 | 4.30 | 4.69 | 1.00 1.00 1.00 | 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.5 | 28.88 28.88 28.88 | 28.88 | 31.67 31.68 31.67 | 31.67 | 7.89 7.88 7.88 | 7.88 | 75.90 77.40 76.90 | 76.73 | 5.30 5.40 5.37 | 5.36 | 5.36 | 5.40 5.50 5.60 | 5.50 | | 6.00 6.00 6.10 | 6.03 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |

| Water Quality Date | Weather | Sampling | Sea | bb Tide Depth | n (m) | Tempera | ature(°C) | | ity(ppt) | рŀ | | DO Satur | | Dissolve | ed Oxygen | | Tu | rbidity (NT | | | nded Solids | | Co | pper (µg/L | -) ¹ | Tota | l PAH (µg | |
|------------------------|-----------|----------|------------|------------------|-------|----------------|-----------|----------------|----------|---------------|---------|----------------|---------|---------------|-----------|------|---------------|-------------|------|---------------|-------------|--------|--------------|------------|-----------------|---------------|-----------|------|
| Sate | Condition | Time | Condition | Бери | , | Value 28.57 | Average | | Average | Value 7.39 | Average | Value 84.30 | Average | Value 5,78 | Average | DA | Value 8.00 | Average | DA | Value 3.40 | Average | DA | Value <1 | Average | DA | Value <1.6 | Average | |
| | | | | Surface | 1.1 | 28.56 | 28.57 | 30.57 | 30.51 | 7.39 | 7.39 | 83.40 | 84.13 | 5.73 | 5.77 | | 7.60 | 7.77 | | 3.70 | 3.57 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.57 28.60 | | 30.49 30.88 | | 7.39 7.39 | | 84.70 76.10 | | 5.80 5.25 | | 5.52 | 7.70 8.20 | | 1 | 3.60 | | + | <1 <1 | | | <1.6 <1.6 | | 1 |
| 5-Oct-20 | Cloudy | 1:48 | Moderate | Middle | 3.8 | 28.58 | 28.59 | 30.88 | 30.90 | 7.39 | 7.39 | 76.00 | 76.27 | 5.25 | 5.26 | | 8.10 | 8.17 | 8.14 | 3.70 | 3.90 | 4.16 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.60 28.65 | | 30.95 31.40 | | 7.40 7.43 | | 76.70 73.30 | | 5.29 5.14 | | | 8.20 8.40 | | 1 | 4.10 5.20 | | † | <1 <1 | | | <1.6 <1.6 | | 1 |
| | | | | Bottom | 6.6 | 28.65 28.64 | 28.65 | 31.36 31.45 | 31.40 | 7.42 | 7.42 | 72.80 72.60 | 72.90 | 5.10 | 5.10 | 5.10 | 8.50 8.60 | 8.50 | | 4.80 5.00 | 5.00 | | <1 <1 | <1 | | <1.6 | <1.6 | |
| | | | | 0 | | 28.32 | 00.00 | 32.06 | 00.00 | 8.10 | 0.44 | 88.70 | 00.47 | 5.77 | | | 1.80 | | | 4.40 | 4.07 | | <1 | | | <1.6 | 4.0 | |
| | | | | Surface | 1.1 | 28.31 28.32 | 28.32 | 32.05 32.07 | 32.06 | 8.11 8.12 | 8.11 | 88.30 88.40 | 88.47 | 5.75 5.75 | 5.76 | 5.75 | 1.70 | 1.77 | | 4.20 4.20 | 4.27 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| 7-Oct-20 | Cloudy | 2:35 | Moderate | Middle | 3.8 | 28.41 28.40 | 28.40 | 32.20 32.20 | 32.20 | 8.09 8.10 | 8.10 | 88.50 88.50 | 88.47 | 5.75 5.74 | 5.74 | 3.75 | 2.40 | 2.43 | 2.60 | 3.50 3.20 | 3.43 | 3.32 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| 7 001 20 | Cioday | 2.00 | Moderate | wiiddio | 0.0 | 28.40 | 20.10 | 32.20 | OZ.ZO | 8.11 | 0.10 | 88.40 | 00.17 | 5.74 | 0.7 1 | | 2.50 | 20 | 2.00 | 3.60 | 0.10 | 0.02 | <1 | ٠. | | <1.6 | | 11.0 |
| | | | | Bottom | 6.6 | 28.49 28.48 | 28.48 | 32.39 32.41 | 32.40 | 8.10 8.08 | 8.09 | 88.40 88.50 | 88.47 | 5.73 5.74 | 5.74 | 5.74 | 3.50 | 3.60 | | 2.30 | 2.27 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.47 27.86 | | 32.39 31.78 | | 8.10 8.13 | | 88.50 89.30 | | 5.74 5.76 | | | 3.60 3.90 | | | 2.30 5.00 | | | <1 1.00 | | | <1.6 <1.6 | | |
| | | | | Surface | 1.1 | 27.87 | 27.87 | 31.79 | 31.78 | 8.12 | 8.13 | 91.80 | 89.93 | 5.93 | 5.81 | | 3.90 | 3.90 | | 4.80 | 4.93 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 27.87 27.88 | | 31.76 31.84 | | 8.15 8.14 | | 88.70 88.50 | | 5.73 5.71 | | 5.81 | 3.90 4.10 | | 1 | 5.00 4.40 | | 1 | 1.00 <1 | | | <1.6 <1.6 | | 1 |
| 10-Oct-20 | Cloudy | 4:42 | Moderate | Middle | 3.6 | 27.89 27.88 | 27.88 | 31.88 31.85 | 31.86 | 8.11 8.12 | 8.12 | 93.10 89.20 | 90.27 | 6.00 5.75 | 5.82 | | 4.10 | 4.07 | 4.01 | 4.20 4.30 | 4.30 | 4.47 | <1 <1 | <1 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Detter | 6.0 | 27.88 | 27.04 | 31.97 | 24.00 | 8.13 | 0.40 | 88.60 | 91.37 | 5.71 | 5.00 | 5.00 | 4.00 | 4.07 | | 4.00 | 4.47 | Ī | 1.00 | 4.00 | | <1.6 | .4.6 | |
| | | | | Bottom | 6.2 | 27.93 27.91 | 27.91 | 31.97 31.95 | 31.96 | 8.11 8.12 | 8.12 | 96.00 89.50 | 91.37 | 6.18 5.76 | 5.88 | 5.88 | 4.10 4.10 | 4.07 | | 4.30 4.20 | 4.17 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 26.22 26.20 | 26.21 | 34.68 34.73 | 34.71 | 7.92 7.91 | 7.91 | 96.70 96.90 | 96.73 | 6.43 6.44 | 6.43 | | 2.60 2.50 | 2.53 | | 2.60 | 2.67 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 26.21 | | 34.71 | | 7.91 | | 96.60 | | 6.42 | | 6.43 | 2.50 | | | 2.70 | | 1 | 1.00 | | | <1.6 | | |
| 12-Oct-20 | Sunny | 8:13 | Moderate | Middle | 3.7 | 26.10 26.16 | 26.14 | 34.85 34.80 | 34.81 | 7.91 7.91 | 7.91 | 96.60 96.90 | 96.70 | 6.43 6.44 | 6.43 | | 2.60 | 2.53 | 2.56 | 3.20 3.40 | 3.23 | 3.13 | 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 26.16 26.16 | | 34.79 34.79 | | 7.91 7.91 | | 96.60 97.00 | | 6.43 6.45 | | | 2.50 | | | 3.10 | | + | 1.00 | | | <1.6 <1.6 | | |
| | | | | Bottom | 6.4 | 26.18 26.09 | 26.14 | 34.77 | 34.81 | 7.91 | 7.91 | 97.30 97.50 | 97.27 | 6.47 | 6.47 | 6.47 | 2.60 | 2.60 | | 3.40 | 3.50 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 25.24 | | 34.79 | | 7.92 | | 93.40 | | 6.49 6.31 | | | 3.90 | | | 3.50 5.50 | | | 1.00 2.00 | | | <1.6 | | |
| | | | | Surface | 1.0 | 25.25 25.24 | 25.24 | 34.79 34.78 | 34.79 | 7.92 7.92 | 7.92 | 93.50 93.60 | 93.50 | 6.31 6.32 | 6.31 | 0.04 | 3.80 | 3.87 | | 5.80 5.60 | 5.63 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | |
| 14-Oct-20 | Fine | 10:12 | Moderate | Middle | 3.8 | 25.24 | 25.24 | 34.83 | 34.82 | 7.91 | 7.92 | 93.30 | 93.27 | 6.30 | 6.30 | 6.31 | 4.10 | 4.13 | 4.06 | 6.10 | 6.33 | 6.52 | 2.00 | 2.00 | 1.67 | <1.6 | <1.6 | <1.6 |
| 14-001-20 | Fille | 10.12 | iviouerate | Middle | 3.6 | 25.24 25.23 | 25.24 | 34.81 34.83 | 34.62 | 7.92 7.92 | 7.52 | 93.10 93.40 | 93.27 | 6.29 6.31 | 0.30 | | 4.20 4.10 | 4.13 | 4.00 | 6.40 6.50 | 0.33 | 0.52 | 2.00 | 2.00 | 1.07 | <1.6 <1.6 | <1.0 | <1.0 |
| | | | | Bottom | 6.7 | 25.25 25.24 | 25.25 | 34.81 34.83 | 34.82 | 7.92 7.93 | 7.93 | 93.20 92.60 | 92.97 | 6.30 6.25 | 6.28 | 6.28 | 4.00 | 4.17 | | 7.60 7.40 | 7.60 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 25.25 25.36 | | 34.82 34.76 | | 7.93 8.13 | | 93.10 91.00 | | 6.29 6.13 | | | 4.20 3.00 | | | 7.80 5.70 | | | 1.00 | | | <1.6 <1.6 | | |
| | | | | Surface | 1.1 | 25.37 | 25.37 | 34.76 | 34.76 | 8.14 | 8.14 | 91.60 | 91.40 | 6.16 | 6.15 | | 2.70 | 2.83 | | 6.00 | 6.00 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 25.38 25.17 | | 34.77 34.80 | | 8.14 8.13 | | 91.60 91.00 | | 6.17 6.15 | | 6.16 | 2.80 3.40 | | | 6.30 5.30 | | 1 | <1 <1 | | | <1.6 <1.6 | | |
| 16-Oct-20 | Sunny | 11:49 | Moderate | Middle | 3.8 | 25.18 25.18 | 25.18 | 34.80 34.80 | 34.80 | 8.15 8.14 | 8.14 | 91.20 91.20 | 91.13 | 6.16 6.16 | 6.16 | | 3.30 | 3.30 | 3.24 | 5.00 | 5.23 | 5.39 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | D. II. | | 25.15 | 05.45 | 34.80 | 04.00 | 8.15 | 0.45 | 91.50 | 04.40 | 6.18 | 0.45 | 0.45 | 3.70 | 0.00 | | 4.80 | 4.00 | 1 | <1 | _ | | <1.6 | 4.0 | |
| | | | | Bottom | 6.6 | 25.14 25.16 | 25.15 | 34.80 34.80 | 34.80 | 8.14 8.15 | 8.15 | 90.70 91.10 | 91.10 | 6.13 6.15 | 6.15 | 6.15 | 3.60 | 3.60 | | 4.90 5.10 | 4.93 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 24.55 24.55 | 24.55 | 35.22 35.21 | 35.21 | 8.04 8.04 | 8.04 | 90.50 90.70 | 90.63 | 6.16 6.18 | 6.17 | | 3.10 | 3.07 | | 3.60 3.50 | 3.70 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 24.56 | | 35.21 | | 8.04 | | 90.70 | | 6.17 | | 6.20 | 3.00 | | | 4.00 | | | <1 | | | <1.6 | | |
| 19-Oct-20 | Cloudy | 1:42 | Moderate | Middle | 3.8 | 24.53 24.51 | 24.52 | 35.23 35.24 | 35.24 | 8.04 8.04 | 8.04 | 91.30 91.30 | 91.30 | 6.22 | 6.22 | | 3.20 | 3.30 | 3.33 | 5.00 4.70 | 4.73 | 4.61 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 24.51 24.51 | | 35.26 35.28 | | 8.04 8.04 | | 91.30 91.50 | | 6.22 6.23 | | | 3.40 | | | 4.50 5.40 | | + | <1 <1 | | | <1.6 <1.6 | | |
| | | | | Bottom | 6.6 | 24.49 24.52 | 24.51 | 35.28 35.27 | 35.28 | 8.05 8.04 | 8.04 | 91.40 91.70 | 91.53 | 6.23 6.24 | 6.23 | 6.23 | 3.60 3.60 | 3.63 | | 5.60 5.20 | 5.40 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 24.31 | | 35.02 | | 8.15 | | 89.40 | | 6.12 | | | 2.80 | | | 3.60 | | | 1.00 | | | <1.6 | | |
| | | | | Surface | 1.0 | 24.29 24.30 | 24.30 | 35.03 35.01 | 35.02 | 8.14 8.14 | 8.14 | 89.00 89.00 | 89.13 | 6.10 6.10 | 6.11 | 6.10 | 2.90 | 2.83 | | 3.80 4.10 | 3.83 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| 21-Oct-20 | Cloudy | 3:12 | Moderate | Middle | 3.5 | 24.28 24.27 | 24.27 | 35.10 35.11 | 35.11 | 8.14 8.14 | 8.14 | 88.80 88.90 | 88.77 | 6.09 6.09 | 6.08 | 0.10 | 3.20 | 3.17 | 3.03 | 3.40 3.60 | 3.50 | 3.48 | 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| 2. 20. 20 | | | | 3010 | | 24.26 | | 35.13 | | 8.13 | | 88.60 | | 6.07 | 2.00 | | 3.10 | | | 3.50 | 00 | 1 | 1.00 | | | <1.6 | | 15 |
| | | | | Bottom | 5.4 | 24.27 24.26 | 24.27 | 35.12 35.19 | 35.14 | 8.14 8.13 | 8.14 | 89.20 88.70 | 89.03 | 6.11 6.08 | 6.10 | 6.10 | 3.10 | 3.10 | | 3.20 3.10 | 3.10 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | 1 | | 24.27 | | 35.12 | | 8.14 | | 89.20 | | 6.11 | | 1 | 3.20 | | | 3.00 | | | 1.00 | | | <1.6 | | |
| | | | | Surface | - | - | - | - | - | - | - | - | - | - | - | | - | - | | - | - | | - | - | | - | - | |
| | | | | | | - | | - | | - | | - | | - | | - | - | | - | - | | - | - | | - | - | | - |
| 23-Oct-20 ² | - | - | - | Middle | - | - | - | - | - | - | - | - | - | - | - | | - | - | | - | - | | - | - | | - | - | |
| | | | | Bottom | | - | | - | | - | _ | - | | - | į | 1 | - | | | - | | | - | _ | | - | | |
| | | | | BOLLOIN | | - | | - | | - | | - | | - | | | - | | | - | | | - | | | - | | |
| | | - | | Surface | 1.1 | 22.83 22.83 | 22.83 | 35.59 35.59 | 35.59 | 8.04 8.03 | 8.04 | 96.50 96.20 | 96.40 | 6.76 6.74 | 6.75 | | 2.70 | 2.73 | | 3.30 3.30 | 3.33 | | | | | | | |
| | | | | | | 22.83 | | 35.59 | | 8.05 | - | 96.50 | - | 6.76 | | 6.76 | 2.70 | | 1 | 3.40 | | 1 | | | | | | - |
| 28-Oct-20 | Cloudy | 10:27 | Moderate | Middle | 3.5 | 22.83 22.83 | 22.83 | 35.59 35.58 | 35.59 | 8.05 8.04 | 8.04 | 96.60 96.50 | 96.50 | 6.77 6.76 | 6.76 | | 2.80 | 2.73 | 2.73 | 2.60 2.40 | 2.60 | 2.73 | | | | | | |
| | | | | | | 22.83 22.83 | | 35.59 35.59 | | 8.04 8.06 | | 96.40 97.10 | | 6.76 6.80 | | - | 2.70 2.80 | | - | 2.80 2.40 | | + | | | | | | - |
| | | | | Bottom | 6.1 | 22.83 | 22.83 | 35.58 | 35.59 | 8.04 | 8.05 | 96.40 96.10 | 96.53 | 6.75 | 6.76 | 6.76 | | 2.73 | | 2.30 | 2.27 | | | | | | | |
| | | | | - | | 22.68 | | 35.59 35.61 | | 8.03 | | 90.80 | | 6.74 6.36 | | | 1.30 | | | 2.10 4.20 | | | | | | | | |
| | | | | Surface | 1.0 | 22.67 22.68 | 22.68 | 35.61 35.61 | 35.61 | 8.02 8.03 | 8.03 | 90.70 90.80 | 90.77 | 6.35 6.36 | 6.36 | 6.25 | 1.40 | 1.33 | | 3.40 4.30 | 3.97 | | | | | | | |
| 30-Oct-20 | Cloudy | 11:38 | Moderate | Middle | 3.8 | 22.68 22.68 | 22.68 | 35.61 35.60 | 35.61 | 8.02 8.03 | 8.03 | 90.60 90.70 | 90.57 | 6.35 6.35 | 6.35 | 6.35 | 1.40 | 1.37 | 1.38 | 3.40 | 3.90 | 3.78 | | | | | | |
| 00 001-20 | Cicady | | ···oderate | ····adie | 5.0 | 22.68 | 00 | 35.61 | 55.61 | 8.04 | 0.00 | 90.40 | 55.51 | 6.34 | 5.55 | | 1.40 | 57 | 55 | 4.60 | 5.50 | 1 0.70 | | | | | | |
| | | | | Bottom | 6.6 | 22.68 22.68 | 22.68 | 35.61 35.61 | 35.61 | 8.02 8.03 | 8.03 | 90.40 90.40 | 90.40 | 6.33 6.33 | 6.33 | 6.33 | 1.50 | 1.43 | | 3.40 | 3.47 | | | | | | | |
| | | | | | | 22.67 | | 35.61 | | 8.04 | | 90.40 | | 6.33 | | | 1.40 | | | 3.30 | | | | | | | | |

- Note:

 1. Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

 2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

Water Quality Monitoring Results at CS3 - Mid-Flood Tide

| Water Quality | Monitoring | Results at C | SS3 - Mid-Floo | od Tide | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|------------|--------------|----------------|---------|-----|----------------|---------|----------------|----------|---------------|---------|----------------|------------|---------------|-----------|------|---------------|--------------|----------|---------------|------------|------|-------------|------------|------|---------------|-------------|------|
| Date | Weather | Sampling | Sea | Depth | (m) | Tempera | | | ity(ppt) | | H | | ration (%) | | ed Oxygen | | | rbidity (NTL | <u> </u> | <u> </u> | ded Solids | | | pper (µg/L | | | tal PAH (µg | |
| | Condition | Time | Condition | | | Value 25.12 | Average | Value 33.30 | Average | Value 8.12 | Average | Value 96.20 | Average | Value 6.58 | Average | DA | Value 2.30 | Average | DA | Value 2.70 | Average | DA | Value <1 | Average | DA | Value <1.6 | Average | DA |
| | | | | Surface | 1.1 | 25.13 | 25.12 | 33.29 | 33.30 | 8.12 | 8.12 | 92.80 | 94.90 | 6.33 | 6.48 | | 2.10 | 2.17 | | 2.50 | 2.73 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 25.11 | | 33.31 | | 8.12 | | 95.70 | | 6.53 | | 6.35 | 2.10 | | • | 3.00 | | | <1 | | | <1.6 | | |
| 11-Sep-20 | Fine | 18:37 | Moderate | Middle | 4.1 | 25.06 25.05 | 25.06 | 33.36 33.38 | 33.37 | 8.12 8.12 | 8.12 | 90.70 | 91.03 | 6.20 6.18 | 6.22 | | 2.50 | 2.60 | 2.61 | 2.40 | 2.43 | 2.29 | 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | - | | | | | 25.07 | | 33.36 | | 8.12 | **** | 91.90 | - | 6.28 | • | | 2.60 | | | 2.50 | | | <1 | | | <1.6 | | |
| | | | | D | 7.4 | 25.07 | 05.00 | 33.36 | 00.07 | 8.12 | 0.40 | 86.90 | 00.00 | 5.93 | 0.00 | 0.00 | 3.00 | 0.07 | | 1.50 | 4.70 | | <1 | 4.00 | | <1.6 | | |
| | | | | Bottom | 7.1 | 25.05 25.07 | 25.06 | 33.38 33.36 | 33.37 | 8.12 8.12 | 8.12 | 88.90 90.70 | 88.83 | 6.07 6.19 | 6.06 | 6.06 | 3.20 | 3.07 | | 1.80 | 1.70 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 27.67 | | 31.21 | | 8.14 | | 91.30 | | 6.04 | | | 4.20 | | | 3.30 | | | 2.00 | | | <1.6 | | |
| | | | | Surface | 1.1 | 27.69 | 27.67 | 31.16 | 31.19 | 8.14 | 8.14 | 90.50 | 91.60 | 6.00 | 6.06 | | 4.20 | 4.20 | | 3.60 | 3.47 | | 2.00 | 2.00 | | <1.6 | <1.6 | |
| | | | | | | 27.66 27.54 | | 31.20 31.41 | | 8.14 8.14 | | 93.00 89.40 | | 6.15 5.92 | | 6.03 | 4.20 4.10 | | | 3.50 | | | 2.00 | | | <1.6 <1.6 | | |
| 14-Sep-20 | Cloudy | 16:34 | Moderate | Middle | 3.7 | 27.45 | 27.52 | 31.52 | 31.43 | 8.14 | 8.14 | 90.50 | 90.57 | 5.99 | 5.99 | | 4.20 | 4.13 | 4.13 | 2.90 | 3.00 | 2.91 | 2.00 | 2.00 | 2.00 | <1.6 | <1.6 | <1.6 |
| | | | | | | 27.56 | | 31.37 | | 8.14 | | 91.80 | | 6.07 | | | 4.10 4.10 | | İ | 3.10 | | | 2.00 | | | <1.6 | | |
| | | | | Bottom | 6.3 | 27.58 27.47 | 27.50 | 31.44 31.59 | 31.54 | 8.13 8.14 | 8.14 | 91.30 87.60 | 88.73 | 6.04 5.80 | 5.88 | 5.88 | 4.10 | 4.07 | | 2.40 | 2.27 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 27.45 | | 31.58 | | 8.14 | | 87.30 | | 5.79 | | | 4.00 | | | 2.20 | | | 2.00 | | | <1.6 | | |
| | | | | Surface | 1.0 | 27.78 27.74 | 27.77 | 31.25 | 31.26 | 8.29 | 8.28 | 79.50 | 79.30 | 5.60 | 5.59 | | 3.00 2.90 | 2.93 | | 4.20 | 4.20 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 27.74 | 21.11 | 31.28 31.25 | 31.20 | 8.28 8.28 | 0.20 | 79.20 79.20 | 79.50 | 5.58 5.58 | 3.33 | 5.57 | 2.90 | 2.33 | | 4.40 | 4.20 | | <1 <1 | ' ' | | <1.6 <1.6 | <1.0 | |
| | | | | | | 27.66 | | 31.32 | | 8.28 | | 78.70 | | 5.55 | | 5.57 | 3.60 | | | 5.70 | | | <1 | | | <1.6 | | |
| 16-Sep-20 | Sunny | 17:28 | Moderate | Middle | 3.9 | 27.64 27.64 | 27.65 | 31.32 31.33 | 31.32 | 8.29 8.29 | 8.29 | 78.50 78.80 | 78.67 | 5.54 5.56 | 5.55 | | 3.60 | 3.60 | 3.43 | 5.80 5.50 | 5.67 | 5.47 | 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 27.66 | | 31.31 | | 8.28 | | 79.10 | | 5.58 | | | 3.80 | | | 6.40 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 6.5 | 27.64 | 27.65 | 31.33 | 31.32 | 8.30 | 8.29 | 79.30 | 79.07 | 5.60 | 5.58 | 5.58 | 3.80 | 3.77 | | 6.80 | 6.53 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 27.65 28.02 | | 31.32 30.62 | | 8.29 8.14 | | 78.80 80.20 | | 5.56 5.60 | | | 3.70 2.40 | | | 6.40 3.70 | | | <1 <1 | | | <1.6 <1.6 | | |
| | | | | Surface | 1.0 | 28.01 | 28.02 | 30.65 | 30.63 | 8.13 | 8.14 | 79.80 | 79.97 | 5.58 | 5.59 | | 2.50 | 2.43 | | 4.20 | 3.97 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.03 | | 30.62 | | 8.14 | | 79.90 | | 5.58 | | 5.57 | 2.40 | | | 4.00 | | | <1 | | | <1.6 | | |
| 18-Sep-20 | Fine | 18:35 | Moderate | Middle | 3.7 | 28.01 28.02 | 28.01 | 30.67 30.68 | 30.67 | 8.13 8.13 | 8.13 | 79.50 79.60 | 79.50 | 5.56 5.57 | 5.56 | | 2.80 | 2.87 | 2.74 | 3.30 3.60 | 3.43 | 3.59 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 28.01 | | 30.65 | | 8.14 | | 79.40 | | 5.55 | | | 2.90 | | | 3.40 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 6.7 | 28.02 28.01 | 28.03 | 30.70 30.65 | 30.71 | 8.13 8.14 | 8.13 | 79.90 79.90 | 79.83 | 5.59 5.58 | 5.58 | 5.58 | 3.00 2.90 | 2.93 | | 3.40 3.20 | 3.37 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Dottom | 0.7 | 28.05 | 20.00 | 30.79 | 50.71 | 8.13 | 0.10 | 79.70 | 75.00 | 5.57 | 0.00 | 0.00 | 2.90 | 2.00 | | 3.50 | 0.01 | | <1 | ` ' | | <1.6 | <1.0 | |
| | | | | | | 28.47 | | 30.01 | | 8.34 | | 70.70 | | 4.65 | | | 2.70 | | | 3.20 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.0 | 28.47 | 28.47 | 30.11 | 30.05 | 8.35 8.35 | 8.35 | 70.50 70.50 | 70.57 | 4.63 4.63 | 4.64 | | 2.50 2.60 | 2.60 | | 3.40 | 3.23 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.50 | | 30.36 | | 8.34 | | 70.60 | | 4.63 | | 4.63 | 2.60 | | | 2.80 | | | <1 | | | <1.6 | | |
| 21-Sep-20 | Cloudy | 8:22 | Moderate | Middle | 3.8 | 28.51 | 28.50 | 30.40 | 30.37 | 8.34 | 8.34 | 70.50 | 70.50 | 4.62 | 4.62 | | 2.60 | 2.60 | 2.62 | 2.90 | 2.77 | 2.77 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.50 28.49 | | 30.36 30.41 | | 8.34 8.34 | | 70.40 70.70 | | 4.61 4.63 | | | 2.60 2.80 | | | 2.60 2.10 | | | <1 <1 | | | <1.6 <1.6 | | |
| | | | | Bottom | 6.5 | 28.51 | 28.50 | 30.51 | 30.47 | 8.34 | 8.34 | 70.70 | 70.73 | 4.63 | 4.63 | 4.63 | 2.60 | 2.67 | | 2.30 | 2.30 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.51 | | 30.50 | | 8.34 | | 70.80 | | 4.64 | | | 2.60 | | | 2.50 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.0 | 28.99 28.97 | 28.98 | 30.20 | 30.19 | 8.27 8.28 | 8.27 | 78.10 78.00 | 78.07 | 5.09 5.08 | 5.09 | | 2.80 | 2.70 | | 1.50 | 1.67 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.99 | | 30.18 | | 8.27 | | 78.10 | | 5.09 | | 5.07 | 2.60 | | | 1.60 | | | <1 | | | <1.6 | | |
| 23-Sep-20 | Sunny | 10:35 | Moderate | Middle | 3.6 | 28.88 28.88 | 28.88 | 30.88 | 30.89 | 8.27 8.28 | 8.27 | 77.80 77.70 | 77.80 | 5.06 5.05 | 5.06 | | 2.80 | 2.83 | 2.78 | 2.40 | 2.50 | 2.44 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | , | | | | | 28.88 | | 30.92 | | 8.27 | | 77.90 | | 5.06 | | | 2.80 | | | 2.50 | | | <1 | | | <1.6 | | |
| | | | | Dattam | | 28.90 | 20.00 | 30.83 | 20.07 | 8.26 | 0.07 | 77.80 | 77.70 | 5.06 | F 0F | F 0F | 2.80 | 2.00 | | 3.20 | 2.47 | | <1 | .4 | | <1.6 | , | |
| | | | | Bottom | 6.2 | 28.89 28.88 | 28.89 | 30.85 | 30.87 | 8.28 8.27 | 8.27 | 77.70 77.70 | 77.73 | 5.05 5.05 | 5.05 | 5.05 | 2.80 | 2.80 | | 2.90 3.40 | 3.17 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 29.28 | | 31.23 | | 8.12 | | 96.80 | | 6.24 | | | 1.80 | | | 3.30 | | | 1.00 | | | <1.6 | | |
| | | | | Surface | 1.0 | 29.29 29.29 | 29.29 | 31.15 31.16 | 31.18 | 8.13 8.13 | 8.13 | 97.10 96.60 | 96.83 | 6.24 6.22 | 6.23 | | 1.80 1.80 | 1.80 | | 3.20 3.40 | 3.30 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 29.29 | | 31.57 | | 8.12 | | 96.20 | | 6.18 | | 6.22 | 1.80 | | | 2.70 | | | <1 | | | <1.6 | | |
| 25-Sep-20 | Fine | 18:59 | Moderate | Middle | 3.8 | 29.29 | 29.29 | 31.54 | 31.55 | 8.13 | 8.13 | 96.60 | 96.43 | 6.23 | 6.21 | | 1.80 | 1.80 | 1.81 | 2.80 | 2.80 | 2.53 | <1 | <1 | 1.00 | <1.6 | <1.6 | <1.6 |
| | | | | | | 29.30 29.29 | | 31.55 31.71 | | 8.13 8.12 | | 96.50 96.50 | | 6.21 6.20 | | | 1.80 | | | 2.90 1.50 | | | 1.00 | | | <1.6 <1.6 | | |
| | | | | Bottom | 6.4 | 29.29 | 29.28 | 31.51 | 31.69 | 8.13 | 8.12 | 95.50 | 95.77 | 6.14 | 6.15 | 6.15 | 1.80 | 1.83 | | 1.60 | 1.50 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 29.27 | | 31.84 | | 8.12 | | 95.30 | | 6.12 | | | 1.80 | | | 1.40 | | | 1.00 | | | <1.6 | | |
| | | | | Surface | 1.0 | 28.84 28.83 | 28.83 | 32.07 32.07 | 32.07 | 8.15 8.15 | 8.14 | 92.20 92.20 | 92.17 | 5.95 5.95 | 5.95 | | 4.80 5.10 | 4.97 | | 6.90 7.30 | 7.10 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Cunaco | 1.0 | 28.83 | 20.00 | 32.07 | 02.01 | 8.13 | 0 | 92.10 | 02 | 5.95 | 0.00 | 5.95 | 5.00 | | | 7.10 | | | <1 | ٠. | | <1.6 | 11.0 | |
| 20 0 20 | Fine | 16:49 | Madazata | Middle | 2.0 | 28.84 | 20.04 | 32.07 | 22.07 | 8.15 | 0.45 | 92.00 | 02.00 | 5.94 | F 04 | 0.00 | 4.90 | F 02 | E 04 | 8.10 | 0.20 | 0.22 | <1 | .4 | | <1.6 | , | .1.0 |
| 28-Sep-20 | rine | 16:49 | Moderate | Middle | 3.8 | 28.83 28.84 | 28.84 | 32.07 32.07 | 32.07 | 8.14 8.15 | 8.15 | 92.00 92.00 | 92.00 | 5.94 5.94 | 5.94 | | 5.10 5.10 | 5.03 | 5.04 | 8.50 8.30 | 8.30 | 8.32 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 28.83 | | 32.07 | | 8.14 | | 91.90 | | 5.94 | | | 5.20 | | | 9.40 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 6.7 | 28.84 28.84 | 28.84 | 32.07 32.07 | 32.07 | 8.15 8.15 | 8.15 | 91.90 92.00 | 91.93 | 5.94 5.94 | 5.94 | 5.94 | 5.10 5.10 | 5.13 | | 9.70 9.60 | 9.57 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 29.01 | | 31.21 | | 7.97 | | 74.90 | | 5.24 | | | 2.20 | | | 6.60 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.0 | 29.00 | 29.00 | 31.23 | 31.22 | 7.97 | 7.97 | 75.10 | 75.00 | 5.25 | 5.25 | | 2.30 | 2.23 | | 6.40 | 6.57 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 29.00 29.01 | | 31.23 31.34 | | 7.97 7.97 | | 75.00 74.10 | - | 5.25 5.17 | | 5.22 | 2.20 | | ł | 6.70 5.00 | | 1 | <1 <1 | | | <1.6 <1.6 | | |
| 30-Sep-20 | Fine | 17:35 | Moderate | Middle | 3.8 | 29.01 | 29.01 | 31.40 | 31.38 | 7.97 | 7.97 | 74.10 | 74.30 | 5.17 | 5.19 | | 2.40 | 2.50 | 2.56 | 5.10 | 5.10 | 5.34 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 29.01 | | 31.40 | | 7.97 | | 74.50 | | 5.20 | | | 2.60 | | | 5.20 | | 4 | <1 | | | <1.6 | | |
| | | | | Bottom | 6.4 | 29.01 29.01 | 29.01 | 31.61 31.42 | 31.49 | 7.96 7.97 | 7.96 | 74.20 74.50 | 74.23 | 5.17 5.20 | 5.18 | 5.18 | 3.00 2.90 | 2.93 | | 4.40 4.20 | 4.37 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 29.02 | | 31.43 | | 7.96 | | 74.00 | | 5.17 | | | 2.90 | | l | 4.50 | | | <1 | | | <1.6 | | |

| Water Quality Date | Weather | Sampling | Sea | od Tide Depth | ı (m) | Tempera | | | nity(ppt) | | рН | DO Saturation (%) | Dissolved | | | | oidity (NTU | | | ded Solids | | Cop | per (µg/L | .)1 | Tota | al PAH (µg | |
|------------------------|-----------|----------|-----------|------------------|-------|-------------------------|---------|-------------------------|-----------|----------------------|---------|----------------------------------|----------------------|---------|------|------------------------------|-------------|------|----------------------|------------|------|----------------------|-----------|------|----------------------|------------|--------|
| | Condition | Time | Condition | | I | 28.66 | Average | Value 30.02 | Average | 7.43 | Average | Value Average 84.30 | 5.76 | Average | DA | 6.80 | Average | DA | 2.20 | Average | DA | <1 | Average | DA | <1.6 | Average | DA |
| | | | | Surface | 1.1 | 28.66 28.69 | 28.66 | 30.02 29.99 30.63 | 30.01 | 7.43 7.42 7.43 | 7.43 | 85.10 85.30 86.50 76.10 | 5.83 5.90 5.24 | 5.83 | 5.52 | 6.80 6.90 8.10 | 6.83 | | 2.40 2.10 2.70 | 2.23 | - | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | - |
| 5-Oct-20 | Rainy | 8:09 | Moderate | Middle | 3.9 | 28.68 28.69 28.70 | 28.69 | 30.66 30.63 31.77 | 30.64 | 7.44 7.44 7.51 | 7.44 | 75.00 75.07 74.10 81.00 | 5.21 5.15 5.71 | 5.20 | | 7.90 7.80 8.40 | 7.93 | 7.74 | 2.50 2.90 2.50 | 2.70 | 2.51 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.8 | 28.70 28.70 28.45 | 28.70 | 31.81 31.81 32.13 | 31.80 | 7.49 7.50 8.12 | 7.50 | 80.10 79.30 88.00 | 5.66 5.60 5.72 | 5.66 | 5.66 | 8.40 8.60 2.10 | 8.47 | | 2.60 2.70 5.20 | 2.60 | | <1 <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 28.45 28.43 | 28.44 | 32.10 32.13 | 32.12 | 8.13 8.13 | 8.13 | 87.90 87.90 | 5.71 5.72 | 5.72 | 5.70 | 2.20 2.10 | 2.13 | | 5.50 5.00 | 5.23 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| 7-Oct-20 | Cloudy | 9:25 | Moderate | Middle | 3.9 | 28.52 28.50 28.51 | 28.51 | 32.27 32.25 32.27 | 32.26 | 8.11 8.13 8.12 | 8.12 | 87.80 87.70 87.60 | 5.69 5.69 5.69 | 5.69 | | 2.30 2.50 2.50 | 2.43 | 2.43 | 4.00 3.90 4.30 | 4.07 | 4.21 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.8 | 28.58 28.58 28.59 | 28.58 | 32.35 32.32 32.37 | 32.35 | 8.11 8.12 8.12 | 8.12 | 87.50 87.70 87.50 | 5.67 5.68 5.67 | 5.67 | 5.67 | 2.70 2.70 2.80 | 2.73 | | 3.50 3.20 3.30 | 3.33 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 27.89 27.89 27.90 | 27.89 | 31.88 31.88 31.88 | 31.88 | 8.14 8.12 8.13 | 8.13 | 93.50 92.20 92.50 92.50 | 6.02 5.93 5.95 | 5.97 | | 4.60 4.70 4.80 | 4.70 | | 6.50 7.00 6.70 | 6.73 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 10-Oct-20 | Sunny | 17:33 | Moderate | Middle | 3.7 | 27.90 27.89 27.90 | 27.90 | 31.88 31.88 31.88 | 31.88 | 8.12 8.12 8.15 | 8.13 | 92.70 92.10 94.20 93.00 | 5.96 5.92 6.06 | 5.98 | 5.97 | 4.80 4.70 4.80 | 4.77 | 4.80 | 5.00 5.30 5.40 | 5.23 | 5.37 | <1 <1 <1 | <1 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.2 | 27.89 27.90 27.90 | 27.90 | 31.88 31.88 31.88 | 31.88 | 8.13 8.12 8.15 | 8.13 | 92.20 93.00 96.80 94.00 | 5.93 5.98 6.23 | 6.05 | 6.05 | 4.80 5.00 5.00 | 4.93 | | 4.30 4.00 4.10 | 4.13 | | 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 25.98 26.02 | 26.00 | 34.89 34.87 | 34.88 | 7.92 7.93 | 7.92 | 98.00 99.40 98.50 | 6.54 6.62 | 6.57 | | 2.50 | 2.57 | | 3.70 3.90 | 3.87 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| 12-Oct-20 | Sunny | 15:59 | Moderate | Middle | 3.8 | 26.00 26.00 25.97 | 25.98 | 34.88 34.88 34.89 | 34.89 | 7.92 7.94 7.92 | 7.93 | 98.10 99.90 98.20 98.53 | 6.54 6.66 6.55 | 6.57 | 6.57 | 2.50 2.50 2.60 | 2.57 | 2.54 | 4.00 5.00 4.60 | 4.80 | 4.31 | 1.00 1.00 1.00 | 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.5 | 25.98 25.99 25.97 | 25.97 | 34.89 34.88 34.89 | 34.88 | 7.92 7.93 7.92 | 7.93 | 97.50 98.20 97.60 98.83 | 6.50 6.55 6.51 | 6.59 | 6.59 | 2.60 2.50 2.50 | 2.50 | | 4.80 4.40 4.10 | 4.27 | | 1.00 1.00 1.00 | 1.00 | - | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 25.96 25.18 25.17 | 25.18 | 34.88 34.83 34.84 | 34.83 | 7.95 7.92 7.92 | 7.92 | 100.70 95.10 95.30 95.07 | 6.72 6.43 6.44 | 6.43 | | 2.50 3.90 3.70 | 3.83 | | 4.30 8.00 7.80 | 7.87 | | 1.00 2.00 2.00 | 2.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| 14-Oct-20 | Fine | 16:24 | Moderate | Middle | 3.8 | 25.18 25.19 25.17 | 25.18 | 34.83 34.83 34.84 | 34.84 | 7.92 7.92 7.92 | 7.92 | 94.80 94.80 95.20 95.10 | 6.41 6.41 6.44 | 6.43 | 6.43 | 3.90 4.20 4.00 | 4.07 | 3.99 | 7.80 6.70 7.10 | 6.90 | 7.08 | 2.00 2.00 2.00 | 2.00 | 2.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.6 | 25.18 25.19 25.18 | 25.19 | 34.84 34.83 34.84 | 34.84 | 7.93 7.92 7.92 | 7.92 | 95.30 94.80 94.80 94.90 | 6.44 6.40 6.41 | 6.41 | 6.41 | 4.00 4.20 4.00 | 4.07 | | 6.90 6.60 6.30 | 6.47 | | 2.00 2.00 2.00 | 2.00 | - | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 25.19 25.22 25.21 | 25.22 | 34.84 34.83 34.84 | 34.83 | 7.93 8.16 8.16 | 8.16 | 95.10 89.70 89.70 89.83 | 6.43 6.06 6.06 | 6.07 | | 4.00 3.80 3.70 | 3.80 | | 6.50 5.90 5.50 | 5.67 | | 2.00 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 16-Oct-20 | Sunny | 17:40 | Moderate | Middle | 3.9 | 25.22 25.20 25.20 | 25.20 | 34.83 34.84 34.84 | 34.84 | 8.16 8.16 8.16 | 8.16 | 90.10 89.40 89.70 89.57 | 6.08 6.04 6.06 | 6.05 | 6.06 | 3.90 4.20 3.90 | 4.07 | 4.14 | 5.60 5.00 5.40 | 5.20 | 5.18 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| 10-001-20 | Culliny | 17.40 | Woderate | | | 25.19 25.20 | | 34.84 34.84 | | 8.16 8.16 | | 89.60 89.40 | 6.05 6.04 | | 6.02 | 4.10 4.60 | | 4.14 | 5.20 4.60 | | 3.10 | <1 <1 | | | <1.6 <1.6 | | - <1.0 |
| | | | | Bottom | 6.8 | 25.21 25.19 24.64 | 25.20 | 34.84 34.84 35.20 | 34.84 | 8.16 8.16 7.98 | 8.16 | 89.40 89.37 89.30 89.90 | 6.03 6.03 6.13 | 6.03 | 6.03 | 4.50 4.60 3.90 | 4.57 | | 4.60 4.80 5.80 | 4.67 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 24.67 24.65 24.59 | 24.65 | 35.17 35.19 35.21 | 35.19 | 7.98 7.98 7.98 | 7.98 | 90.10 89.93 89.80 89.30 | 6.13 6.12 6.09 | 6.13 | 6.11 | 3.80 4.00 3.90 | 3.90 | | 6.10 5.60 5.40 | 5.83 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | _ |
| 19-Oct-20 | Cloudy | 8:12 | Moderate | Middle | 3.9 | 24.59 24.59 24.58 | 24.59 | 35.20 35.21 35.22 | 35.21 | 7.98 7.98 7.98 | 7.98 | 89.30 89.30 88.70 | 6.09 6.09 6.04 | 6.09 | | 3.90 4.10 4.40 | 3.97 | 4.03 | 5.60 5.20 4.80 | 5.40 | 5.30 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.8 | 24.59 24.60 24.28 | 24.59 | 35.20 35.20 35.14 | 35.21 | 7.98 7.98 8.15 | 7.98 | 88.80 88.90 89.00 | 6.05 6.06 6.09 | 6.05 | 6.05 | 4.20 4.10 2.50 | 4.23 | | 4.50 4.70 3.10 | 4.67 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 24.27 24.28 24.27 | 24.28 | 35.14 35.12 35.18 | 35.13 | 8.15 8.15 8.15 | 8.15 | 89.40 89.17 89.10 88.90 | 6.13 6.10 6.09 | 6.11 | 6.11 | 2.50 2.70 2.50 | 2.57 | | 3.40 3.20 3.50 | 3.23 | | <1 <1 <1 | <1 | | <1.6 <1.6 | <1.6 | - |
| 21-Oct-20 | Sunny | 9:45 | Moderate | Middle | 3.7 | 24.27 24.26 24.25 | 24.27 | 35.18 35.19 35.24 | 35.18 | 8.15 8.15 8.15 | 8.15 | 89.00 89.40 88.60 | 6.10 6.12 6.07 | 6.10 | | 2.60 2.50 2.50 | 2.53 | 2.54 | 3.80 3.90 4.70 | 3.73 | 3.90 | <1 <1 1.00 | <1 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.3 | 24.27 24.27 | 24.26 | 35.17 35.18 | 35.20 | 8.15 8.15 | 8.15 | 88.70 88.50 88.50 | 6.08 | 6.07 | 6.07 | 2.50 2.60 | 2.53 | | 4.90 4.60 | 4.73 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | - | | - | - | - | | - | - | | - | | - | - | - | - | - | _ | | - | | - | - | |
| 23-Oct-20 ² | - | - | - | Middle | - | - | - | - | - | - | - | - | - | - | | - | - | | - | - | | - | - | | - | - | |
| | | | | Bottom | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | Surface | 1.0 | 22.83 22.83 22.83 | 22.83 | 35.54 35.54 35.54 | 35.54 | 7.95 7.95 7.95 | 7.95 | 96.60 96.30 96.57 96.80 | 6.77 6.75 6.78 | 6.77 | 0.70 | 2.40 2.40 2.30 | 2.37 | | 2.80 2.60 2.80 | 2.73 | | | | | | | |
| 28-Oct-20 | Rainy | 17:02 | Moderate | Middle | 3.6 | 22.83 22.83 22.83 | 22.83 | 35.54 35.54 35.54 | 35.54 | 7.95 7.95 7.96 | 7.95 | 96.40 96.40 96.20 96.33 | 6.75 6.76 6.74 | 6.75 | 6.76 | 2.40 2.40 2.40 | 2.40 | 2.38 | 3.40 3.60 3.30 | 3.43 | 3.28 | | | | | | |
| | | | | Bottom | 6.3 | 22.83 22.83 | 22.83 | 35.54 35.55 | 35.54 | 7.96 7.95 7.95 | 7.95 | 96.20 96.20 96.50 96.50 | 6.74 6.74 6.76 | 6.74 | 6.74 | 2.40 2.30 2.40 2.40 | 2.37 | | 3.60 3.80 | 3.67 | | | | | | | |
| | | | | Surface | 1.0 | 22.83 22.80 22.81 | 22.81 | 35.54 35.55 35.55 | 35.55 | 7.92 7.91 | 7.91 | 89.90 90.30 90.10 | 6.30 6.33 | 6.32 | | 1.80 1.90 | 1.83 | | 3.60 4.60 3.60 | 4.00 | | | | | | | |
| 30-Oct-20 | Cloudy | 17:19 | Moderate | Middle | 3.9 | 22.82 22.81 22.82 | 22.82 | 35.55 35.55 35.55 | 35.55 | 7.91 7.92 7.92 | 7.92 | 90.10 89.80 90.30 90.00 | 6.32 6.30 6.33 | 6.31 | 6.31 | 1.80 1.60 1.60 | 1.57 | 1.66 | 3.80 3.60 3.70 | 3.43 | 3.73 | | | | | | - |
| | | | | Bottom | 6.8 | 22.82 22.81 22.83 | 22.82 | 35.55 35.55 35.55 | 35.55 | 7.91 7.92 7.91 | 7.92 | 89.90 90.10 89.80 89.97 | 6.30 6.32 6.30 | 6.31 | 6.31 | 1.50 1.60 1.60 | 1.57 | | 3.00 4.50 3.50 | 3.77 | 1 | | | | | | 1 |
| Note: | | l | |] | | 22.82 | | 35.55 | | 7.92 | 1 | 90.00 | 6.31 | | | 1.50 | | | 3.30 | | | | | | | | |

Note:

- 1. Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

 2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

Water Quality Monitoring Results at IS1 - Mid-Ebb Tide

| Water Quality | Monitoring | Results at I | S1 - Mid-Ebl | o Tide | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|--------------|--------------|----------|---------|----------------|----------|----------------|----------|--------------|---------|----------------|------------|--------------|-----------|--------|--------------|-----------|------|--------------|--------------|-------|----------|-----------|------|--------------|-------------------|------|
| Date | Weather | Sampling | Sea | Depth | (m) | Tempera | ture(°C) | Sanlin | ity(ppt) | p | Н | DO Satu | ration (%) | Dissolve | ed Oxygen | (mg/L) | Turbi | dity (NTU |) | Suspen | ded Solids (| mg/L) | Copp | er (µg/L) |) | Total | l PAH (μg | 1/L) |
| Date | Condition | Time | Condition | Бери | 1 (111) | Value | Average | Value | Average | Value | Average | Value | Average | Value | Average | DA | Value | Average | DA | Value | Average | DA | Value | Average | DA | Value / | Average | DA |
| | | | | | | 25.12 | | 33.40 | | 8.09 | | 94.50 | | 6.45 | | | 1.50 | | | 1.60 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.1 | 25.11 | 25.12 | 33.39 | 33.39 | 8.09 | 8.09 | 95.00 | 94.60 | 6.48 | 6.45 | | 1.60 | 1.53 | | 1.90 | 1.77 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 25.14 | | 33.37 | | 8.09 | | 94.30 | | 6.43 | | 6.20 | 1.50 | | | 1.80 | | | <1 | | | <1.6 | | |
| | | | | | | 24.81 | | 33.65 | | 8.10 | | 87.80 | | 6.01 | | 0.20 | 2.10 | | | 2.50 | | | 1.00 | | | <1.6 | | |
| 11-Sep-20 | Fine | 6:50 | Moderate | Middle | 3.8 | 24.93 | 24.87 | 33.51 | 33.58 | 8.10 | 8.10 | 87.00 | 86.93 | 5.96 | 5.95 | | 2.20 | 2.17 | 2.07 | 2.30 | 2.30 | 2.30 | <1 | 1.33 | 1.11 | <1.6 | <1.6 | <1.6 |
| | | | | | | 24.86 | | 33.58 | | 8.10 | | 86.00 | | 5.89 | | | 2.20 | | | 2.10 | | | 2.00 | | | <1.6 | | |
| | | | | | | 24.78 | | 33.77 | | 8.10 | | 86.40 | | 5.91 | | | 2.60 | | | 3.10 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 6.5 | 24.67 | 24.77 | 33.76 | 33.73 | 8.11 | 8.10 | 82.40 | 84.50 | 5.64 | 5.78 | 5.78 | 2.40 | 2.50 | | 2.60 | 2.83 | | <1 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 24.85 | | 33.67 | | 8.09 | | 84.70 | | 5.79 | | | 2.50 | | | 2.80 | | | 1.00 | | | <1.6 | | |
| | | | | | | 27.68 | | 31.33 | | 8.10 | | 92.00 | | 6.09 | | | 4.20 | | | 2.10 | | | 2.00 | | | <1.6 | | |
| | | | | Surface | 1.1 | 27.66 | 27.67 | 31.33 | 31.33 | 8.11 | 8.11 | 91.80 | 91.73 | 6.07 | 6.07 | | 4.20 | 4.20 | | 2.40 | 2.27 | | 2.00 | 2.00 | | <1.6 | <1.6 | |
| | | | | | | 27.67 | | 31.33 | | 8.11 | | 91.40 | | 6.05 | | 6.06 | 4.20 | | | 2.30 | | | 2.00 | | | <1.6 | | |
| | | | | | | 27.61 | | 31.34 | | 8.11 | | 91.30 | | 6.04 | | | 4.10 | | | 3.90 | | | 2.00 | | | <1.6 | | |
| 14-Sep-20 | Cloudy | 9:53 | Moderate | Middle | 3.6 | 27.58 | 27.61 | 31.35 | 31.34 | 8.10 | 8.11 | 91.30 | 91.43 | 6.03 | 6.05 | | 4.10 | 4.13 | 4.16 | 4.10 | 4.03 | 3.63 | 2.00 | 2.00 | 2.00 | <1.6 | <1.6 | <1.6 |
| | | | | | | 27.64 | | 31.34 | | 8.11 | | 91.70 | | 6.07 | | | 4.20 | | | 4.10 | | | 2.00 | | | <1.6 | | |
| | | | | Dattan | | 27.59 | 27.02 | 31.34 | 24.22 | 8.10 | 0.44 | 90.70 | 04.40 | 6.00 | 0.00 | c 02 | 4.10 | 4.40 | | 4.60 | 4.00 | | 2.00 | 2.00 | | <1.6 | .1.0 | |
| | | | | Bottom | 6.2 | 27.61 | 27.62 | 31.33 | 31.33 | 8.11 | 8.11 | 91.00 | 91.10 | 6.02 | 6.03 | 6.03 | 4.10 | 4.13 | | 4.70 | 4.60 | | 2.00 | 2.00 | | <1.6 | <1.6 | |
| | | | | | | 27.65 | | 31.33 | | 8.11 | | 91.60 | | 6.06 | | | 4.20 | | | 4.50 | | | 2.00 | | | <1.6 | | |
| | | | | Cuntaga | 4.0 | 28.03 | 20.02 | 31.14 | 24.42 | 8.27 | 0.07 | 80.20 | 00.00 | 5.61 | F 00 | | 3.30 | 2 20 | | 2.90 | 2.07 | | <1 | .4 | | <1.6 | .1.0 | |
| | | | | Surface | 1.0 | 28.04 | 28.03 | 31.13 | 31.13 | 8.26 | 8.27 | 80.10 | 80.23 | 5.61 | 5.62 | | 3.30 | 3.30 | | 2.70 | 2.87 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.03 | | 31.13 | | 8.27 | | 80.40 | | 5.63 | | 5.60 | 3.30 | | | 3.00 | | | <1 | | | <1.6 | | |
| 16-Sep-20 | Sunny | 11:28 | Moderate | Middle | 3.9 | 27.93 27.83 | 27.89 | 31.17 31.18 | 31.17 | 8.27 8.27 | 8.27 | 79.80 79.20 | 79.47 | 5.60 | 5.58 | | 3.10 3.20 | 3.20 | 3.33 | 3.60 3.40 | 3.50 | 3.43 | <1 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| 10-3ep-20 | Suring | 11.20 | Woderate | iviluale | 3.9 | 27.83 | 21.09 | | 31.17 | | 0.21 | 79.20 | 19.41 | 5.56 | 3.36 | | | 3.20 | 3.33 | | 3.50 | 3.43 | 1.00 | 1.00 | 1.00 | <1.6 | <1.0 | <1.0 |
| | | | | | | 27.83 | | 31.17 31.20 | | 8.27 8.27 | | 79.40 | | 5.58 5.56 | | | 3.30 3.50 | | | 3.50 3.70 | | ł | <1 <1 | | | <1.6 | | |
| | | | | Bottom | 6.6 | 27.91 | 27.85 | 31.16 | 31.18 | 8.27 | 8.27 | 79.80 | 79.47 | 5.60 | 5.58 | 5.58 | 3.40 | 3.50 | | 4.00 | 3.93 | | <1 | 1.00 | | <1.6 | <1.6 | |
| | | | | Dolloin | 0.0 | 27.81 | 21.00 | 31.19 | 31.10 | 8.27 | 0.27 | 79.40 | 13.41 | 5.58 | 3.30 | 3.30 | 3.60 | 3.30 | | 4.10 | 5.55 | | 1.00 | 1.00 | | <1.6 | <1.0 | |
| - | | | | | | 28.02 | | 30.67 | | 8.10 | | 81.40 | | | | | 2.50 | | | | | | 1.00 | | | | \longrightarrow | |
| | | | | Surface | 1.0 | 28.03 | 28.03 | 30.69 | 30.69 | 8.10 | 8.10 | 81.20 | 81.30 | 5.67 5.65 | 5.66 | | 2.50 | 2.50 | | 5.20 4.70 | 4.97 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Juliace | 1.0 | 28.03 | 20.03 | 30.09 | 30.03 | 8.11 | 0.10 | 81.30 | 01.50 | 5.66 | 3.00 | | 2.50 | 2.30 | | 5.00 | 4.51 | | 1.00 | 1.00 | | <1.6 | <1.0 | |
| | | | | | | 28.05 | | 30.79 | | 8.10 | | 80.70 | | 5.62 | | 5.65 | 2.60 | | | 4.60 | | ł | 1.00 | | | <1.6 | | |
| 18-Sep-20 | Fine | 13:07 | Moderate | Middle | 3.8 | 28.05 | 28.05 | 30.79 | 30.78 | 8.10 | 8.10 | 80.90 | 80.80 | 5.64 | 5.63 | | 2.50 | 2.60 | 2.64 | 4.30 | 4.43 | 4.44 | 1.00 | 1.00 | 1.00 | <1.6 | <1.6 | <1.6 |
| 10-Зер-20 | 1 1116 | 13.07 | Woderate | Middle | 3.0 | 28.04 | 20.03 | 30.79 | 30.70 | 8.10 | 0.10 | 80.80 | 00.00 | 5.63 | 3.03 | | 2.70 | 2.00 | 2.04 | 4.40 | 4.45 | 4.44 | 1.00 | 1.00 | 1.00 | <1.6 | <1.0 | <1.0 |
| | | | | | | 28.08 | | 30.77 | | 8.09 | | 80.80 | | 5.62 | | | 2.80 | | | 3.90 | | ł | 1.00 | | | <1.6 | | |
| | | | | Bottom | 6.3 | 28.04 | 28.05 | 30.79 | 30.81 | 8.10 | 8.10 | 80.90 | 80.90 | 5.64 | 5.63 | 5.63 | 3.10 | 2.83 | | 4.20 | 3.93 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | Dottom | 0.0 | 28.04 | 20.00 | 30.78 | 00.01 | 8.10 | 0.10 | 81.00 | 00.50 | 5.64 | 0.00 | 0.00 | 2.60 | 2.00 | | 3.70 | 0.00 | | 1.00 | 1.00 | | <1.6 | <1.0 | |
| | | | | | | 28.61 | | 30.63 | | 8.38 | | 73.80 | | 4.82 | | | 4.20 | | | 2.80 | | | <1 | | | <1.6 | + | |
| | | | | Surface | 1.0 | 28.61 | 28.61 | 30.62 | 30.63 | 8.37 | 8.38 | 74.10 | 73.93 | 4.84 | 4.83 | | 4.20 | 4.20 | | 2.60 | 2.77 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | Curiaco | | 28.61 | 20.01 | 30.63 | 00.00 | 8.38 | 0.00 | 73.90 | 70.00 | 4.83 | | | 4.20 | 0 | | 2.90 | | | <1 | ٠. | | <1.6 | 41.0 | |
| | | | | | | 28.63 | | 30.75 | | 8.37 | | 74.10 | | 4.84 | | 4.83 | 4.20 | | | 3.10 | | ł | <1 | | | <1.6 | | |
| 21-Sep-20 | Cloudy | 3:10 | Moderate | Middle | 3.7 | 28.62 | 28.63 | 30.74 | 30.75 | 8.37 | 8.37 | 73.80 | 73.90 | 4.82 | 4.83 | | 4.30 | 4.27 | 4.22 | 2.90 | 3.13 | 3.20 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | , | | | | | 28.63 | | 30.77 | | 8.38 | | 73.80 | | 4.82 | | | 4.30 | | | 3.40 | | | <1 | | | <1.6 | | |
| | | | | | | 28.62 | | 30.77 | | 8.37 | | 74.00 | | 4.83 | | | 4.20 | | | 3.70 | | İ | <1 | | | <1.6 | | |
| | | | | Bottom | 6.2 | 28.63 | 28.62 | 30.81 | 30.78 | 8.37 | 8.37 | 73.70 | 73.87 | 4.81 | 4.82 | 4.82 | 4.20 | 4.20 | | 3.50 | 3.70 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.61 | | 30.75 | | 8.37 | | 73.90 | | 4.82 | | | 4.20 | | | 3.90 | | | <1 | | | <1.6 | | |
| | | | | | | 28.90 | | 30.61 | | 8.06 | | 79.60 | | 5.18 | | | 4.50 | | | 2.20 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.1 | 28.91 | 28.91 | 30.55 | 30.51 | 8.09 | 8.09 | 79.20 | 79.30 | 5.15 | 5.16 | | 4.50 | 4.53 | | 2.40 | 2.23 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.93 | | 30.38 | | 8.11 | | 79.10 | | 5.15 | | 5.15 | 4.60 | | | 2.10 | | | <1 | | | <1.6 | | |
| | | | | | | 28.89 | | 31.02 | | 8.06 | | 79.40 | | 5.16 | | 5.15 | 5.50 | | | 2.70 | | 1 | <1 | | | <1.6 | | |
| 23-Sep-20 | Fine | 4:34 | Moderate | Middle | 3.6 | 28.88 | 28.88 | 31.02 | 31.02 | 8.08 | 8.08 | 79.10 | 79.10 | 5.14 | 5.14 | | 5.80 | 5.67 | 5.23 | 2.80 | 2.67 | 2.73 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.88 | | 31.02 | | 8.10 | | 78.80 | | 5.12 | | | 5.70 | | | 2.50 | | | <1 | | | <1.6 | | |
| | | | | | | 28.88 | | 31.01 | | 8.07 | | 79.10 | | 5.13 | | | 5.50 | | | 3.00 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 6.2 | 28.88 | 28.88 | 30.99 | 31.00 | 8.10 | 8.07 | 78.90 | 79.13 | 5.12 | 5.13 | 5.13 | 5.50 | 5.50 | | 3.40 | 3.30 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.89 | | 31.00 | | 8.05 | | 79.40 | | 5.15 | | | 5.50 | | | 3.50 | | | <1 | | | <1.6 | | |
| | | | | | | 29.25 | | 31.30 | | 8.10 | | 97.20 | | 6.26 | | | 1.80 | | | 2.30 | | | <1 | | | <1.6 | | |
| 1 | | | | Surface | 1.0 | 29.27 | 29.26 | 31.40 | 31.35 | 8.08 | 8.09 | 98.10 | 97.77 | 6.32 | 6.30 | | 1.90 | 1.83 | | 2.40 | 2.30 | | <1 | <1 | | <1.6 | <1.6 | |
| 1 | | | | | | 29.26 | | 31.35 | | 8.08 | | 98.00 | | 6.31 | | 6.29 | 1.80 | | | 2.20 | | | <1 | | | <1.6 | | |
| 05.6 | - | 7 | Maria . | | 0.0 | 29.29 | 00.00 | 31.58 | 04.50 | 8.08 | 0.00 | 97.80 | 07.00 | 6.28 | 0.00 | | 1.90 | 4.67 | 4.00 | 2.60 | 0.50 | 0.00 | <1 | , | | <1.6 | | |
| 25-Sep-20 | Fine | 7:16 | Moderate | Middle | 3.6 | 29.29 | 29.29 | 31.57 | 31.56 | 8.08 | 8.08 | 97.60 | 97.63 | 6.28 | 6.28 | | 1.90 | 1.87 | 1.86 | 2.60 | 2.50 | 2.83 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 29.29 | | 31.54 | | 8.09 | | 97.50 | | 6.27 | | | 1.80 | | | 2.30 | | | <1 | | | <1.6 | | |
| | | | | D - 11 | 0.4 | 29.28 | 00.00 | 31.61 | 04.04 | 8.08 | 0.00 | 97.50 | 07.07 | 6.27 | 0.04 | 0.04 | 1.90 | 4.07 | | 3.70 | 0.70 | | <1 | | | <1.6 | 4.0 | |
| | | | | Bottom | 6.1 | 29.29 | 29.29 | 31.65 | 31.64 | 8.08 | 8.08 | 96.50 | 97.07 | 6.20 | 6.24 | 6.24 | 1.90 | 1.87 | | 3.70 | 3.70 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 29.29 | | 31.67 | | 8.08 | | 97.20 | | 6.24 | | | 1.80 | | | 3.70 | | | <1 | | | <1.6 | | |
| | | | | 0 | | 28.89 | 00.00 | 32.05 | 00.05 | 8.16 | 0.47 | 91.40 | 04.00 | 5.90 | 5.07 | | 6.60 | 0.50 | | 5.40 | | | 2.00 | 0.00 | | <1.6 | 4.0 | |
| | | | | Surface | 1.1 | 28.87 | 28.88 | 32.05 | 32.05 | 8.19 | 8.17 | 90.80 | 91.00 | 5.86 | 5.87 | | 6.50 | 6.53 | | 5.80 | 5.57 | | 2.00 | 2.00 | | <1.6 | <1.6 | |
| | | | | | | 28.89 | | 32.05 | | 8.17 | | 90.80 | | 5.86 | | 5.87 | 6.50 | | | 5.50 | | | 2.00 | | | <1.6 | | |
| 20 Cap 20 | Cloudy | 0:47 | Moderate | Middle | 2 5 | 28.89 | 20.00 | 32.05 | 22.05 | 8.16 | 0.16 | 90.80 | 00.00 | 5.86 | E 07 | | 6.50 | 6 50 | G E1 | 4.60 | 4.52 | 4.67 | 1.00 | 1.00 | 1 22 | <1.6 | -16 | -16 |
| 28-Sep-20 | Cloudy | 9:47 | Moderate | Middle | 3.5 | 28.91 | 28.89 | 32.05 | 32.05 | 8.15 | 8.16 | 91.60 | 90.90 | 5.91 | 5.87 | | 6.50 | 6.50 | 6.51 | 4.70 | 4.53 | 4.67 | 1.00 | 1.00 | 1.33 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.88 | | 32.04 | | 8.18 | | 90.30 | | 5.83 | | | 6.50 | | | 4.30 | | | 1.00 | | | <1.6 | | |
| | | | | Bottom | 6.0 | 28.89 | 28.91 | 32.05 | 32.05 | 8.16 8.17 | 8.16 | 91.30 | 91.60 | 5.89 | E 01 | 5.91 | 6.60 | 6.50 | | 3.80 | 3.90 | | <1 | -1 | | <1.6 | <1.6 | |
| | | | | Dolloin | 6.0 | 28.89 28.95 | 20.51 | 32.04 | 32.03 | 8.15 | 0.10 | 90.70 92.80 | 31.00 | 5.85 5.98 | 5.91 | 3.31 | 6.40 | 0.50 | | 3.90 4.00 | 3.30 | | <1 <1 | <1 | | <1.6 <1.6 | <1.0 | |
| | | | | | | 28.89 | | 32.05 31.64 | | 7.89 | | 78.20 | | 5.46 | | | 6.50 3.40 | | | 3.90 | | | <1 | | | <1.6 | \longrightarrow | |
| 1 | | | | Surface | 1.0 | 28.88 | 28.89 | 31.66 | 31.65 | 7.89 | 7.89 | 78.20 | 78.07 | 5.45 | 5.45 | | 3.50 | 3.43 | | 3.80 | 3.77 | | <1 | <1 | | <1.6 | <1.6 | |
| 1 | | | | 24.7400 | | 28.89 | 20.00 | 31.66 | 500 | 7.89 | | 77.80 | . 5.01 | 5.43 | 0.40 | | 3.40 | 5.70 | | 3.60 | 5.11 | | <1 | -1 | | <1.6 | 0 | |
| I | | | | | | 28.88 | | 31.67 | | 7.89 | | 77.20 | | 5.38 | | 5.42 | 3.70 | | | 4.10 | | | 1.00 | | | <1.6 | | |
| 30-Sep-20 | Fine | 11:55 | Moderate | Middle | 3.6 | 28.88 | 28.88 | 31.67 | 31.67 | 7.89 | 7.89 | 77.30 | 77.30 | 5.39 | 5.39 | | 3.80 | 3.73 | 3.71 | 3.90 | 4.07 | 4.38 | 1.00 | 1.00 | 1.00 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.88 | | 31.67 | | 7.90 | | 77.40 | | 5.40 | 1 | | 3.70 | | | 4.20 | | | 1.00 | | | <1.6 | | |
| | | | | | | 28.88 | | 31.67 | | 7.90 | | 78.00 | | 5.44 | | | 4.10 | | | 5.30 | | l | <1 | | | <1.6 | | |
| | | | | Bottom | 6.2 | 28.88 | 28.88 | 31.67 | 31.67 | 7.89 | 7.89 | 77.20 | 77.57 | 5.39 | 5.41 | 5.41 | 4.00 | 3.97 | | 5.40 | 5.30 | | <1 | <1 | | <1.6 | <1.6 | |
| 1 | | | | | | 28.88 | | 31.67 | | 7.89 | | 77.50 | | 5.41 | 1 | | 3.80 | | | 5.20 | | | <1 | | | <1.6 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Water Quality | Monitoring Weather | Results at I | S1 - Mid-Ebb Sea | | - () | Temperat | ture(°C) | Sanlin | nity(ppt) | | pН | DO Satur | ration (%) | Dissolv | ved Oxygen (| mg/L) | Turl | oidity (NTU |) | Suspend | ded Solids (| (mg/L) | Conn | er (µg/L) | 1 | Total | PAH (µg | 1/L) ¹ |
|------------------------|-----------------------|--------------|---------------------|---------|-------|-------------------------|----------|----------------|-----------|----------------------|---------|-------------------------|------------|--------------|--------------|-------|--------------|-------------|------|----------------------|--------------|--------|------------|-----------|------|--------------|---------|-------------------|
| Date | Condition | Time | Condition | Depth | n (m) | Value | Average | Value | Average | | Average | Value | Average | Value | | DA | Value | Average | DA | Value | Average | | Value | Average | | Value | | |
| | | | | Surface | 1.0 | 28.56 28.57 | 28.57 | 30.37 30.45 | 30.41 | 7.39 7.40 | 7.40 | 85.10 85.20 | 84.70 | 5.85 5.85 | 5.82 | | 6.90 7.00 | 6.90 | | 2.60 3.00 | 2.87 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | 1 |
| | | | | | | 28.58 | | 30.40 | | 7.40 | | 83.80 | | 5.76 | | 5.61 | 6.80 | | | 3.00 | | 1 | <1 | | | <1.6 | | |
| 5-Oct-20 | Cloudy | 2:01 | Moderate | Middle | 3.6 | 28.59 28.59 | 28.59 | 30.74 | 30.72 | 7.41 7.41 | 7.41 | 78.20 78.70 | 78.50 | 5.37 5.42 | 5.40 | | 7.50 7.30 | 7.33 | 7.49 | 2.60 2.60 | 2.67 | 2.42 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 28.59 28.66 | | 30.72 31.37 | | 7.41 7.40 | | 78.60 76.10 | | 5.41 5.29 | | | 7.20 8.20 | | | 2.80 1.70 | | | <1 <1 | | , | <1.6 <1.6 | | |
| | | | | Bottom | 6.2 | 28.66 28.66 | 28.66 | 31.48 31.40 | 31.42 | 7.40 7.41 | 7.40 | 75.40 76.80 | 76.10 | 5.24 5.34 | 5.29 | 5.29 | 8.20 8.30 | 8.23 | | 1.90 1.60 | 1.73 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.31 | | 32.04 | | 8.11 | | 88.20 | | 5.74 | | | 1.70 | | | 2.30 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.1 | 28.32 28.32 | 28.32 | 32.05 32.05 | 32.05 | 8.11 8.11 | 8.11 | 88.20 88.10 | 88.17 | 5.74 5.73 | 5.74 | | 1.70 1.80 | 1.73 | | 2.10 | 2.30 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.40 | | 32.20 | | 8.10 | | 88.00 | | 5.72 | | 5.73 | 2.20 | | | 3.20 | | | <1 | | | <1.6 | | |
| 7-Oct-20 | Cloudy | 2:48 | Moderate | Middle | 3.5 | 28.39 28.41 | 28.40 | 32.17 32.19 | 32.19 | 8.11 8.10 | 8.10 | 88.30 88.30 | 88.20 | 5.73 5.74 | 5.73 | | 2.20 | 2.17 | 2.08 | 3.00 | 3.17 | 3.17 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.0 | 28.47 | 28.47 | 32.35 | 32.34 | 8.09 | 8.09 | 88.20 | 88.17 | 5.72 | 5.71 | 5.71 | 2.30 | 2.33 | | 3.80 | 4.03 | | <1 | <1 | • | <1.6 | <1.6 | 1 |
| | | | | Bottom | 0.0 | 28.45 28.48 | 26.47 | 32.33 32.34 | 32.34 | 8.10 8.09 | 6.09 | 88.10 88.20 | 00.17 | 5.71 5.71 | 5.71 | 5.71 | 2.40 | 2.33 | | 4.10 4.20 | 4.03 | | <1 <1 | < i | | <1.6 <1.6 | <1.0 | |
| | | | | Surface | 1.0 | 27.95 27.93 | 27.94 | 31.89 31.88 | 31.89 | 8.08 8.12 | 8.10 | 91.20 90.60 | 90.80 | 5.88 5.84 | 5.85 | | 5.80 5.80 | 5.80 | | 4.60 4.20 | 4.40 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 27.95 27.95 | | 31.89 31.89 | | 8.10 8.09 | | 90.60 90.60 | | 5.84 5.84 | | 5.85 | 5.80 5.80 | | | 4.40 4.00 | | | <1 <1 | | | <1.6 <1.6 | | |
| 10-Oct-20 | Cloudy | 4:57 | Moderate | Middle | 3.6 | 27.94 27.97 | 27.95 | 31.89 31.89 | 31.89 | 8.11 8.07 | 8.09 | 90.10 91.40 | 90.70 | 5.81 5.89 | 5.85 | | 5.80 5.80 | 5.80 | 5.81 | 3.70 3.50 | 3.73 | 3.72 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.0 | 28.01 27.95 | 27.97 | 31.91 31.89 | 31.90 | 8.07 8.08 | 8.08 | 92.60 91.10 | 91.40 | 5.96 5.87 | 5.89 | 5.89 | 5.80 5.90 | 5.83 | | 3.10 3.20 | 3.03 | | <1 <1 | <1 | , | <1.6 <1.6 | <1.6 | 1 |
| | | | | - | | 27.95 26.24 | | 31.89 34.66 | | 8.10 7.91 | 1 | 90.50 97.60 | | 5.83 6.49 | | | 5.80 2.40 | | 1 | 2.80 2.60 | | | <1 1.00 | | | <1.6 <1.6 | | |
| | | | | Surface | 1.0 | 26.25 26.22 | 26.24 | 34.65 34.68 | 34.66 | 7.91 7.91 | 7.91 | 98.00 97.20 | 97.60 | 6.51 6.46 | 6.49 | 0.47 | 2.50 2.50 | 2.47 | | 2.50 2.80 | 2.63 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| 12-Oct-20 | Sunny | 8:27 | Moderate | Middle | 3.6 | 26.19 26.16 | 26.18 | 34.76 34.78 | 34.77 | 7.91 7.90 | 7.91 | 96.90 96.70 | 97.00 | 6.44 | 6.45 | 6.47 | 2.50 | 2.53 | 2.50 | 3.90 3.80 | 3.77 | 3.58 | 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | , | | | | | 26.18 26.16 | | 34.77 34.81 | | 7.91 7.91 | | 97.40 97.70 | | 6.48 6.50 | | | 2.50 2.50 | | | 3.60 4.50 | | | 1.00 | | | <1.6 <1.6 | | |
| | | | | Bottom | 6.2 | 26.15 26.14 | 26.15 | 34.85 34.81 | 34.82 | 7.90 7.92 | 7.91 | 97.40 97.90 | 97.67 | 6.47 6.51 | 6.49 | 6.49 | 2.50 2.50 | 2.50 | | 4.20 4.30 | 4.33 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 25.31 25.25 | 25.28 | 34.68 34.75 | 34.71 | 7.91 7.92 | 7.92 | 92.80 93.80 | 93.37 | 6.26 6.34 | 6.31 | | 3.80 4.10 | 3.93 | | 5.60 6.00 | 5.80 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 25.27 25.22 | | 34.70 34.82 | | 7.92 7.92 | | 93.50 93.70 | | 6.32 6.33 | | 6.31 | 3.90 4.40 | | | 5.80 6.10 | | | 1.00 | | | <1.6 <1.6 | | |
| 14-Oct-20 | Fine | 10:28 | Moderate | Middle | 3.8 | 25.22 25.25 | 25.23 | 34.82 34.81 | 34.82 | 7.92 7.92 | 7.92 | 93.70 93.10 | 93.50 | 6.33 6.29 | 6.32 | | 4.50 4.00 | 4.30 | 4.13 | 5.80 6.30 | 6.07 | 6.18 | 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.7 | 25.25 25.22 | 25.23 | 34.82 34.83 | 34.83 | 7.92 7.92 | 7.92 | 92.70 93.60 | 93.17 | 6.26 6.32 | 6.29 | 6.29 | 4.00 4.20 | 4.17 | | 6.50 6.80 | 6.67 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 25.23 25.26 | | 34.83 34.77 | | 7.93 8.14 | | 93.20 91.00 | | 6.29 6.14 | | | 4.30 3.00 | | | 6.70 5.60 | | | 1.00 | | | <1.6 <1.6 | | |
| | | | | Surface | 1.1 | 25.27 25.29 | 25.27 | 34.77 34.76 | 34.77 | 8.15 8.14 | 8.14 | 90.90 90.80 | 90.90 | 6.13 6.12 | 6.13 | 6.13 | 3.00 2.90 | 2.97 | | 6.00 5.90 | 5.83 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | 1 |
| 16-Oct-20 | Sunny | 12:01 | Moderate | Middle | 3.7 | 25.13 25.14 | 25.14 | 34.82 34.81 | 34.81 | 8.14 8.15 | 8.14 | 90.50 90.50 | 90.67 | 6.12 6.11 | 6.13 | 0.10 | 3.40 3.30 | 3.30 | 3.29 | 5.40 5.10 | 5.27 | 5.11 | <1 <1 | <1 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 25.14 25.13 | | 34.81 34.81 | | 8.14 8.14 | | 91.00 90.80 | | 6.15 6.13 | | | 3.20 3.70 | | | 5.30 4.10 | | | <1 1.00 | | | <1.6 <1.6 | | |
| | | | | Bottom | 6.4 | 25.10 25.12 | 25.12 | 34.82 34.81 | 34.81 | 8.15 8.14 | 8.14 | 90.30 90.30 | 90.47 | 6.11 6.11 | 6.12 | 6.12 | 3.50 3.60 | 3.60 | | 4.20 4.40 | 4.23 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 24.56 24.54 | 24.55 | 35.20 35.23 | 35.21 | 8.03 8.03 | 8.03 | 91.00 91.10 | 91.13 | 6.20 6.21 | 6.21 | | 3.10 3.10 | 3.10 | | 4.20 4.00 | 4.03 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| 40.0 400 | | 4.55 | | | | 24.55 24.53 | 0454 | 35.21 35.24 | 05.04 | 8.03 8.03 | | 91.30 90.80 | 00.00 | 6.21 6.18 | 0.40 | 6.20 | 3.10 3.20 | 0.00 | | 3.90 4.90 | | | <1 <1 | | | <1.6 <1.6 | | |
| 19-Oct-20 | Cloudy | 1:55 | Moderate | Middle | 3.6 | 24.56 24.52 | 24.54 | 35.22 35.26 | 35.24 | 8.03 8.04 | 8.03 | 91.10 90.80 | 90.90 | 6.20 6.19 | 6.19 | | 3.20 3.30 | 3.23 | 3.24 | 5.20 5.40 | 5.17 | 5.03 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.2 | 24.50 24.55 | 24.52 | 35.27 35.27 | 35.26 | 8.04 8.03 | 8.03 | 90.70 90.70 | 90.67 | 6.18 6.18 | 6.18 | 6.18 | 3.40 3.50 | 3.40 | | 6.10 5.80 | 5.90 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Curt | 10 | 24.52 24.30 | 24.24 | 35.25 35.04 | 25.00 | 8.03 8.14 | 8.14 | 90.60 89.00 | 99.07 | 6.17 | 6.00 | | 3.30 2.60 | 2.50 | | 5.80 3.00 | 2.02 | | <1 <1 | | | <1.6 | -4.0 | |
| | | | | Surface | 1.0 | 24.31 24.31 | 24.31 | 35.03 35.02 | 35.03 | 8.15 8.14 | 0.14 | 88.60 89.00 | 88.87 | 6.07 6.10 | 6.09 | 6.08 | 2.50 | 2.53 | 1 | 2.80 3.00 | 2.93 | 1 | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | 1 |
| 21-Oct-20 | Cloudy | 3:26 | Moderate | Middle | 3.5 | 24.27 24.27 | 24.27 | 35.17 35.17 | 35.17 | 8.14 8.14 | 8.14 | 88.50 88.70 | 88.53 | 6.06 | 6.07 | | 2.90 | 2.83 | 2.72 | 3.90 3.60 | 3.73 | 3.66 | 1.00 | 1.00 | 1.00 | <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.0 | 24.26 24.26 24.28 | 24.27 | 35.17 35.24 | 35.20 | 8.13 8.13 8.14 | 8.14 | 88.40 88.60 88.50 | 88.40 | 6.06 6.07 | 6.06 | 6.06 | 2.80 2.80 | 2.80 | 1 | 3.70 4.10 4.30 | 4.30 | t | 1.00 | 1.00 | , | <1.6 <1.6 | <1.6 | 1 |
| | | | | DOMONI | 0.0 | 24.28 | 27.21 | 35.17 35.19 | 55.20 | 8.14 | 0.14 | 88.10 | 00.40 | 6.06 | 0.00 | 0.00 | 2.80 | 2.00 | | 4.50 | 7.30 | | 1.00 | 1.50 | | <1.6 <1.6 | \1.U | |
| | | | | Surface | - | | - | | - | - | - | | - | | - | | | - | | - | - | | | - | | - | - | 1 |
| 23-Oct-20 ² | _ | _ | _ | Middle | _ | | | | | - | - | | - | | - | - | - | | - | - | | - | - | _ | - | - | | - |
| 25-561-20 | | | | 3010 | | - | | | | - | | - | | | | | - | | | - | | | - | | | - | | |
| | | | | Bottom | - | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | Surface | 1.0 | 22.84 22.84 | 22.84 | 35.58 35.58 | 35.58 | 8.01 8.01 | 8.01 | 96.30 96.20 | 96.17 | 6.75 6.74 | 6.74 | | 3.10 3.00 | 2.90 | | 3.40 3.20 | 3.37 | | | | | | | |
| | | | | 22.1003 | | 22.84 22.83 22.84 | | 35.57 35.58 | -5.00 | 8.00 8.02 | | 96.00 96.10 | | 6.73 6.73 | | 6.74 | 2.60 2.90 | | - | 3.50 2.70 | | 1 | | | | | | 1 |
| 28-Oct-20 | Cloudy | 10:42 | Moderate | Middle | 3.6 | 22.84 22.84 | 22.84 | 35.57 35.58 | 35.58 | 8.00 8.01 | 8.01 | 96.30 95.90 | 96.10 | 6.75 6.72 | 6.73 | | 2.90 2.90 | 2.90 | 2.96 | 2.70 2.60 | 2.67 | 2.79 | | | | | | 1 |
| | | | | Bottom | 6.2 | 22.83 22.84 | 22.84 | 35.58 35.57 | 35.57 | 8.02 8.01 | 8.01 | 96.00 96.20 | 96.07 | 6.73 6.74 | 6.73 | 6.73 | 3.10 3.00 | 3.07 | 1 | 2.50 2.10 | 2.33 | Ť | | | , | | | 1 |
| | | | | | J.,_ | 22.84 22.67 | | 35.57 35.61 | | 8.01 7.98 | | 96.00 90.90 | | 6.73 | | 2.70 | 3.10 1.30 | 01 | | 2.40 4.00 | 50 | | | | | | | |
| | | | | Surface | 1.1 | 22.68 22.67 | 22.67 | 35.61 35.61 | 35.61 | 8.00 7.99 | 7.99 | 91.20 91.10 | 91.07 | 6.39 | 6.38 | | 1.30 1.40 | 1.33 | | 3.70 4.30 | 4.00 | | | | | | | 1 |
| 30-Oct-20 | Cloudy | 11:49 | Moderate | Middle | 3.6 | 22.66 22.67 | 22.67 | 35.62 35.61 | 35.61 | 7.98 7.99 | 7.99 | 90.50 90.90 | 90.77 | 6.35 6.37 | 6.36 | 6.37 | 1.40 | 1.40 | 1.37 | 2.60 3.00 | 3.03 | 3.82 | | | | | | 1 |
| | | | | | | 22.68 22.65 | | 35.61 35.62 | | 8.00 7.99 | | 90.90 90.60 | | 6.37 6.35 | | | 1.30 | | - | 3.50 4.30 | | 1 | | | | | | 1 |
| | | | | Bottom | 6.2 | 22.66 22.68 | 22.66 | 35.62 35.61 | 35.62 | 7.99 8.00 | 7.99 | 90.20 90.50 | 90.43 | 6.32 | 6.34 | 6.34 | 1.40 | 1.37 | L_ | 4.70 4.30 | 4.43 | | | | | | | |
| Note: | | | | | | | | | | | | | | | | | - | | | | | | | | | | | |

- Note:

 1. Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

 2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

Water Quality Monitoring Results at IS1 - Mid-Flood Tide

| Water Quality N | ionitoring Re | esults at IS1 | - Mid-Flood | lide | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|----------------------|------------------|------------------|--------------|---------|----------------|------------------------|----------------|----------------------|--------------|---------------|------------------|---------------------|------------------|------------------------|--------------|--------------|------------------------|--------------|--------------|--------------|-------|----------|-------------------------|----------|--------------|-------------------------|-----------|
| Date | Weather Condition | Sampling Time | Sea Condition | Depth | h (m) | Tempe Value | erature(°C) Average | Sanl | nity(ppt) Average | | oH Average | DO Sati Value | uration (%) Average | Dissolv Value | ed Oxygen (Average | (mg/L) DA | Tur Value | bidity (NTL Average | J) DA | Suspen | ded Solids (| mg/L) | Value | opper (µg/L) Average | | Value | tal PAH (µg. Average | /L) DA |
| | Condition | Time | Condition | | | 25.16 | Average | 33.28 | Average | 8.12 | Average | 93.40 | Average | 6.38 | Average | DA | 2.20 | Average | DA | 2.20 | Average | DA | <1 | Average | DA | <1.6 | Average | DA |
| | | | | Surface | 1.0 | 25.16 | 25.16 | 33.28 | 33.28 | 8.12 | 8.12 | 94.70 | 93.77 | 6.47 | 6.40 | | 2.20 | 2.17 | | 2.50 | 2.33 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 25.16 | • | 33.27 | | 8.12 | | 93.20 | | 6.36 | | 6.31 | 2.10 | | | 2.30 | | | <1 | | | <1.6 | | |
| 11 Can 20 | Fine. | 40.00 | Madazata | N C -1 -11 - | 0.0 | 25.04 | 05.04 | 33.39 | 00.00 | 8.12 | 0.40 | 90.70 | 00.00 | 6.19 | 0.04 | | 2.10 | 0.07 | 2.20 | 2.70 | 0.07 | 2.02 | 1.00 | 4.00 | 4.00 | <1.6 | 4.0 | .4.0 |
| 11-Sep-20 | Fine | 18:20 | Moderate | Middle | 3.8 | 25.05 | 25.04 | 33.37 | 33.38 | 8.12 | 8.12 | 90.20 91.80 | 90.90 | 6.16 6.27 | 6.21 | | 2.40 | 2.27 | 2.26 | 2.70 | 2.67 | 2.83 | 1.00 | 1.00 | 1.00 | ٦ | <1.6 | <1.6 |
| | | | | | | 25.04 25.05 | | 33.38 33.38 | | 8.12 8.12 | | 87.70 | | 5.99 | | | 2.30 | | + F | 3.50 | | | <1 | | - | <1.6 <1.6 | | 1 |
| | | | | Bottom | 6.7 | 25.01 | 25.03 | 33.43 | 33.41 | 8.12 | 8.12 | 84.30 | 86.63 | 5.76 | 5.92 | 5.92 | 2.30 | 2.33 | | 3.40 | 3.50 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 25.04 | • | 33.41 | | 8.12 | | 87.90 | 1 | 6.00 | | | 2.40 | | | 3.60 | | | <1 | i | | <1.6 | | |
| | | | | | | 27.68 | | 31.17 | | 8.13 | | 93.40 | | 6.18 | | | 4.20 | | | 2.70 | | | 2.00 | | | <1.6 | | |
| | | | | Surface | 1.1 | 27.68 | 27.67 | 31.19 | 31.19 | 8.13 | 8.13 | 93.20 | 93.13 | 6.17 | 6.16 | | 4.10 | 4.17 | | 2.60 | 2.73 | | 2.00 | 2.33 | | <1.6 | <1.6 | |
| | | | | | | 27.66 27.65 | | 31.20 31.21 | | 8.13 8.13 | | 92.80 92.80 | | 6.14 6.14 | | 6.15 | 4.20 4.50 | | - | 2.90 3.40 | | - | 3.00 | | - ' | <1.6 <1.6 | | |
| 14-Sep-20 | Cloudy | 16:17 | Moderate | Middle | 3.7 | 27.66 | 27.66 | 31.20 | 31.20 | 8.13 | 8.13 | 92.90 | 92.83 | 6.15 | 6.14 | | 4.40 | 4.43 | 4.34 | 3.10 | 3.23 | 3.30 | 2.00 | 2.67 | 2.56 | | <1.6 | <1.6 |
| | | | | | | 27.66 | | 31.20 | | 8.13 | | 92.80 | | 6.14 | | | 4.40 | | | 3.20 | | | 3.00 | | | <1.6 | | |
| | | | | D . 11 | 0.0 | 27.67 | 07.00 | 31.20 | 04.00 | 8.13 | 0.40 | 92.80 | 00.00 | 6.14 | 0.45 | 0.45 | 4.40 | 4.40 | | 3.90 | 0.00 | | 2.00 | 0.07 | | <1.6 | 4.0 | |
| | | | | Bottom | 6.2 | 27.66 27.66 | 27.66 | 31.20 | 31.20 | 8.13 8.13 | 8.13 | 93.10 93.10 | 93.00 | 6.16 6.16 | 6.15 | 6.15 | 4.50 4.40 | 4.43 | | 4.10 3.80 | 3.93 | | 3.00 | 2.67 | | <1.6 | <1.6 | |
| | | | | | | 27.72 | | 31.26 | | 8.30 | | 79.40 | | 5.59 | | | 3.80 | | | 3.30 | | | <1 | | \vdash | <1.6 | | |
| | | | | Surface | 1.0 | 27.79 | 27.75 | 31.21 | 31.24 | 8.30 | 8.30 | 79.90 | 79.50 | 5.63 | 5.60 | | 3.90 | 3.80 | | 3.60 | 3.60 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 27.75 | | 31.26 | | 8.30 | | 79.20 | | 5.58 | | 5.58 | 3.70 | | | 3.90 | | | <1 | | | <1.6 | | |
| 40.0 00 | 0 | 47.00 | Manufacture. | N C -1 -11 - | 0.0 | 27.63 | 07.00 | 31.32 | 04.00 | 8.31 | 0.04 | 79.00 | 70.07 | 5.57 | | 0.00 | 3.70 | 0.70 | 0.00 | 2.80 | 0.00 | 0.00 | <1 | | _ ' | <1.6 | 4.0 | 4.0 |
| 16-Sep-20 | Sunny | 17:03 | Moderate | Middle | 3.9 | 27.64 27.63 | 27.63 | 31.31 | 31.32 | 8.30 8.32 | 8.31 | 78.80 | 78.97 | 5.55 | 5.57 | | 3.70 | 3.70 | 3.93 | 2.60 | 2.80 | 2.89 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 27.65 | | 31.32 | | 8.30 | | 79.10 79.00 | | 5.58 5.58 | | | 4.20 | | | 3.00 2.20 | | | <1 <1 | | - | <1.6 <1.6 | | 1 |
| | | | | Bottom | 6.6 | 27.65 | 27.65 | 31.31 | 31.32 | 8.31 | 8.31 | 79.60 | 79.53 | 5.61 | 5.61 | 5.61 | 4.30 | 4.30 | | 2.20 | 2.27 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 27.64 | | 31.32 | | 8.32 | | 80.00 | | 5.64 | | | 4.40 | | | 2.40 | | | <1 | | | <1.6 | | |
| | | | | | | 28.01 | | 30.64 | | 8.13 | | 79.90 | | 5.58 | | | 2.90 | | | 3.40 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.1 | 28.01 28.01 | 28.01 | 30.60 | 30.62 | 8.14 8.14 | 8.14 | 80.40 80.10 | 80.13 | 5.62 5.60 | 5.60 | | 2.90 | 2.90 | | 3.20 3.60 | 3.40 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.00 | | 30.62 | | 8.13 | | 79.60 | | 5.56 | | 5.59 | 2.90 | | 1 | 3.80 | | | 1.00 | | - | <1.6 | | |
| 18-Sep-20 | Fine | 18:13 | Moderate | Middle | 3.7 | 28.00 | 28.00 | 30.64 | 30.65 | 8.13 | 8.13 | 79.90 | 79.77 | 5.59 | 5.57 | | 3.00 | 2.93 | 3.01 | 3.70 | 3.67 | 3.78 | 1.00 | 1.00 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 28.00 | | 30.66 | | 8.13 | | 79.80 | | 5.57 | | | 2.90 | | | 3.50 | | | 1.00 | | | <1.6 | | |
| | | | | D . 11 | 0.4 | 28.02 | 00.04 | 30.71 | 00.07 | 8.13 | 0.40 | 80.50 | 00.47 | 5.62 | 5.00 | 5.00 | 3.30 | 0.00 | | 4.40 | 4.07 | | <1 | | | <1.6 | 4.0 | |
| | | | | Bottom | 6.4 | 28.00 28.01 | 28.01 | 30.65 | 30.67 | 8.13 8.13 | 8.13 | 80.20 79.80 | 80.17 | 5.60 5.58 | 5.60 | 5.60 | 3.20 | 3.20 | | 4.20 4.20 | 4.27 | | <1 <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.46 | | 30.00 | | 8.35 | | 70.60 | | 4.64 | | | 2.40 | | | 4.30 | | | <1 | | \vdash | <1.6 | | |
| | | | | Surface | 1.0 | 28.47 | 28.46 | 29.91 | 29.94 | 8.35 | 8.35 | 70.90 | 70.73 | 4.66 | 4.65 | | 2.50 | 2.43 | | 4.10 | 4.30 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.46 | • | 29.90 | | 8.35 | | 70.70 | | 4.65 | | 4.64 | 2.40 | | | 4.50 | | | <1 | | | <1.6 | | |
| 21-Sep-20 | Claudi | 8:00 | Madazata | Minialia | 3.6 | 28.47 | 20.47 | 30.24 | 30.25 | 8.34 | 8.34 | 70.30 | 70.40 | 4.61 | 4.00 | | 2.50 | 2.50 | 2.48 | 3.60 | 2.02 | 3.87 | <1 | | | <1.6 | .4.0 | <1.6 |
| 21-3ep-20 | Cloudy | 6.00 | Moderate | Middle | 3.0 | 28.46 28.47 | 28.47 | 30.25 | 30.23 | 8.34 8.34 | 0.34 | 70.50 70.40 | 70.40 | 4.63 4.62 | 4.62 | | 2.50 | 2.50 | 2.40 | 3.90 4.00 | 3.83 | 3.01 | <1 <1 | <1 | <1 | <1.6 | <1.6 | <1.0 |
| | | | | | | 28.46 | | 30.21 | | 8.34 | | 70.70 | | 4.65 | | | 2.50 | | 1 | 3.40 | | 1 | <1 | | 1 ' | <1.6 | | i |
| | | | | Bottom | 6.1 | 28.48 | 28.47 | 30.37 | 30.29 | 8.34 | 8.34 | 70.40 | 70.60 | 4.62 | 4.64 | 4.64 | 2.50 | 2.50 | | 3.50 | 3.47 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.47 | | 30.28 | | 8.34 | | 70.70 | | 4.64 | | | 2.50 | | | 3.50 | | | <1 | | <u> </u> | <1.6 | | |
| | | | | Surface | 1.1 | 29.00 28.94 | 28.98 | 30.19 | 30.28 | 8.26 8.26 | 8.26 | 78.30 78.10 | 78.23 | 5.09 5.08 | 5.09 | | 3.80 | 3.83 | | 1.70 1.60 | 1.73 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 29.00 | 20.30 | 30.43 | 30.20 | 8.25 | 0.20 | 78.30 | 70.23 | 5.09 | 3.03 | | 3.90 | 3.03 | | 1.90 | 1.75 | | <1 | | | <1.6 | <1.0 | |
| | | | | | | 28.88 | | 30.97 | | 8.26 | | 77.90 | | 5.06 | | 5.07 | 4.40 | | 1 | 2.10 | | | <1 | | 1 ' | <1.6 | | |
| 23-Sep-20 | Sunny | 10:19 | Moderate | Middle | 3.6 | 28.88 | 28.88 | 30.97 | 30.97 | 8.27 | 8.26 | 77.90 | 77.90 | 5.06 | 5.06 | | 4.20 | 4.27 | 4.16 | 2.30 | 2.27 | 2.28 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.88 | | 30.97 | | 8.25 | | 77.90 | | 5.06 | | | 4.20 | | - | 2.40 | | | <1 | | - | <1.6 | | |
| | | | | Bottom | 6.2 | 28.90 28.88 | 28.89 | 30.88 | 30.93 | 8.26 8.26 | 8.25 | 77.90 77.90 | 77.90 | 5.06 5.06 | 5.06 | 5.06 | 4.40 | 4.37 | | 3.10 2.80 | 2.83 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.90 | | 30.91 | | 8.24 | | 77.90 | 1 | 5.06 | | | 4.40 | | | 2.60 | | | <1 | | | <1.6 | | |
| | | | | | | 29.27 | | 31.21 | | 8.13 | | 96.00 | | 6.17 | | | 1.60 | | | 6.40 | | | 1.00 | | | <1.6 | | |
| | | | | Surface | 1.0 | 29.27 | 29.27 | 31.25 | 31.23 | 8.12 | 8.13 | 96.90 | 96.13 | 6.24 | 6.19 | | 1.50 | 1.53 | | 6.70 | 6.53 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 29.27 29.29 | | 31.23 31.54 | | 8.13 8.12 | | 95.50 95.60 | | 6.15 6.16 | | 6.18 | 1.50 | | - | 6.50 4.20 | | | 1.00 | | - | <1.6 | | |
| 25-Sep-20 | Fine | 18:44 | Moderate | Middle | 3.7 | 29.27 | 29.28 | 31.42 | 31.51 | 8.12 | 8.12 | 95.40 | 95.83 | 6.14 | 6.17 | | 1.70 | 1.73 | 1.69 | 4.40 | 4.33 | 4.66 | 1.00 | 1.00 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 29.28 | | 31.58 | | 8.12 | | 96.50 | İ | 6.20 | | | 1.70 | | | 4.40 | | | 1.00 | i | | <1.6 | | |
| | | | | | | 29.29 | | 31.55 | | 8.12 | | 93.80 | | 6.03 | | | 1.80 | | 1 [| 3.20 | | | <1 | | 1 | <1.6 | | |
| | | | | Bottom | 6.3 | 29.21 | 29.26 | 31.71 | 31.62 | 8.12 | 8.12 | 95.30 | 94.87 | 6.13 | 6.10 | 6.10 | 1.80 | 1.80 | | 3.10 | 3.10 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 29.28 28.84 | | 31.60 32.07 | | 8.12 8.16 | | 95.50 92.20 | | 6.14 5.96 | | | 1.80 6.20 | | | 3.00 8.40 | | | <1 <1 | | ₩ | <1.6 <1.6 | | |
| | | | | Surface | 1.0 | 28.83 | 28.83 | 32.07 | 32.07 | 8.18 | 8.17 | 92.40 | 92.30 | 5.97 | 5.96 | | 6.10 | 6.17 | | 8.10 | 8.23 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.83 | | 32.07 | | 8.17 | | 92.30 | İ | 5.96 | | 5.96 | 6.20 | | | 8.20 | | | <1 | | | <1.6 | | |
| | _ | | | | | 28.84 | | 32.07 | | 8.19 | | 92.40 | | 5.97 | | 0.00 | 6.30 | | | 7.90 | | | <1 | | . ' | <1.6 | | |
| 28-Sep-20 | Fine | 16:37 | Moderate | Middle | 3.6 | 28.84 28.84 | 28.84 | 32.07 32.07 | 32.07 | 8.16 8.16 | 8.17 | 92.10 92.10 | 92.20 | 5.95 | 5.96 | | 6.00 | 6.13 | 6.18 | 7.80 | 7.93 | 7.97 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.84 | | 32.07 | | 8.16 | | 92.10 | | 5.95 5.95 | | | 6.10 | | 1 | 8.10 7.70 | | - | <1 <1 | | - | <1.6 <1.6 | | 1 |
| | | | | Bottom | 6.2 | 28.84 | 28.84 | 32.07 | 32.07 | 8.17 | 8.17 | 92.00 | 92.13 | 5.94 | 5.95 | 5.95 | 6.10 | 6.23 | | 7.90 | 7.73 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.84 | | 32.07 | | 8.19 | | 92.30 | | 5.96 | | | 6.30 | | | 7.60 | | | <1 | | | <1.6 | | |
| | | | | | | 29.00 | | 31.23 | | 7.97 | | 75.00 | | 5.24 | | | 2.10 | | | 3.20 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.0 | 29.01 28.99 | 29.00 | 31.20 | 31.24 | 7.96 7.96 | 7.96 | 74.90 74.90 | 74.93 | 5.23 | 5.23 | | 2.20 | 2.20 | | 3.40 3.20 | 3.27 | | <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | 1 | 28.99 | | 31.28 31.34 | | 7.96 | | 74.90 | | 5.23 5.18 | | 5.21 | 2.30 | | ┤ | 5.50 | | + | <1 <1 | | ┤ ' | <1.6 | | 1 |
| 30-Sep-20 | Fine | 17:14 | Moderate | Middle | 3.5 | 28.98 | 28.99 | 31.28 | 31.35 | 7.96 | 7.96 | 74.10 | 74.23 | 5.18 | 5.19 | | 2.50 | 2.63 | 2.66 | 5.50 | 5.57 | 5.49 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | <u></u> | 29.01 | · | 31.42 | | 7.96 | | 74.40 | <u> </u> | 5.20 | | | 2.70 | |] | 5.70 | | | <1 | | | <1.6 | | |
| | | | | Detter | 0.0 | 29.00 | 20.00 | 31.35 | 24.00 | 7.96 | 7.00 | 74.20 | 74.40 | 5.18 | F 00 | F 00 | 3.20 | 2.40 | | 7.80 | 7.00 | | <1 | | | <1.6 | .4.0 | |
| | | | | Bottom | 6.0 | 29.01 28.99 | 29.00 | 31.45 31.34 | 31.38 | 7.97 7.95 | 7.96 | 74.70 74.40 | 74.43 | 5.21 5.20 | 5.20 | 5.20 | 3.10 | 3.13 | | 7.60 7.50 | 7.63 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| l———— | | | 1 | | 1 | 20.00 | | 01.04 | | 1.30 | i . | II 74.40 | 1 | 0.20 | | i e | U. 10 | | 1 | 7.50 | | 1 | 1 | | 1 ' | ~ 1.0 | | 1 |

| Water Quality I | Monitoring R | Results at IS1 | - Mid-Flood Sea | | | Tempore | ture(°C\ | Sanlin | ity(ppt) | | pН | DO Satu | ration (%) | Dissolve | d Oxygen (| (mg/L) | To | rbidity (NTL | I) | Suspen | ded Solids (| ma/L) | C- | pper (ug/l | \1 | Tex | al DAU / | v/L) ¹ |
|------------------------|------------------------|------------------|--------------------|---------|-------|-------------------------|---------------------|-------------------------|----------|----------------------|---------|----------------------------|------------|----------------------|------------|--------|----------------------|--------------|------|----------------------|--------------|-------|----------------------|-----------------------|------|----------------------|-----------------------|-------------------|
| Date | VV eather Condition | Sampling Time | Sea Condition | Depth | n (m) | | ture(°C) Average | Value | Average | Value | Average | Value | Average | Value | Average | DA | Value | Average | | Value | Average | DA | Value | pper (µg/L Average | | Value | al PAH (µg Average | |
| | | | | Surface | 1.1 | 28.67 28.67 28.66 | 28.67 | 30.01 29.99 29.95 | 29.98 | 7.42 7.41 7.42 | 7.42 | 85.20 85.60 86.70 | 85.83 | 5.84 5.87 5.96 | 5.89 | | 7.20 7.40 7.50 | 7.37 | | 2.40 2.30 2.10 | 2.27 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 5-Oct-20 | Rainy | 7:53 | Moderate | Middle | 3.7 | 28.69 28.70 | 28.69 | 31.15 31.08 | 31.10 | 7.41 7.42 | 7.41 | 80.10 82.50 | 81.37 | 5.52 5.69 | 5.61 | 5.75 | 7.50 7.70 | 7.57 | 7.80 | 3.40 3.60 | 3.57 | 3.34 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.4 | 28.69 28.69 28.69 | 28.69 | 31.06 31.89 31.96 | 31.93 | 7.41 7.48 7.49 | 7.48 | 81.50 75.10 75.10 | 75.33 | 5.62 5.30 5.30 | 5.31 | 5.31 | 7.50 8.50 8.50 | 8.47 | | 3.70 4.10 4.30 | 4.20 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | l |
| | | | | Surface | 1.1 | 28.70 28.44 28.42 | 28.43 | 31.93 32.01 31.99 | 32.01 | 7.48 8.12 8.11 | 8.11 | 75.80 88.10 87.60 | 87.83 | 5.34 5.73 5.70 | 5.71 | | 8.40 1.70 1.70 | 1.70 | | 3.40 3.10 | 3.27 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 7-Oct-20 | Cloudy | 9:12 | Moderate | Middle | 3.6 | 28.43 28.48 28.47 | 28.47 | 32.03 32.12 32.11 | 32.12 | 8.11 8.11 8.11 | 8.11 | 87.80 87.60 87.80 | 87.67 | 5.71 5.69 5.71 | 5.70 | 5.71 | 1.70 2.10 2.20 | 2.10 | 2.09 | 3.30 4.00 3.70 | 3.77 | 3.84 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.2 | 28.46 28.53 28.52 | 28.53 | 32.12 32.26 32.27 | 32.27 | 8.11 8.11 8.10 | 8.10 | 87.60 87.60 87.50 | 87.60 | 5.70 5.68 5.68 | 5.68 | 5.68 | 2.00 2.50 2.40 | 2.47 | | 3.60 4.70 4.30 | 4.50 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | : |
| | | | | Surface | 1.1 | 28.53 27.93 27.92 | 27.92 | 32.28 31.85 31.85 | 31.85 | 8.10 8.09 8.11 | 8.10 | 87.70 91.40 91.50 | 91.47 | 5.69 5.88 5.88 | 5.88 | | 2.50 5.80 5.80 | 5.77 | | 4.50 4.20 4.10 | 4.23 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 10-Oct-20 | Sunny | 17:16 | Moderate | Middle | 3.6 | 27.92 27.93 27.93 | 27.93 | 31.85 31.85 31.85 | 31.85 | 8.11 8.11 8.10 | 8.11 | 91.50 91.30 91.30 | 91.30 | 5.88 5.87 5.87 | 5.87 | 5.88 | 5.70 5.90 5.70 | 5.73 | 5.78 | 4.40 4.90 4.50 | 4.70 | 4.73 | <1 <1 <1 | <1 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| 10 001 20 | Carriy | 17.10 | Wodorato | Bottom | 6.2 | 27.93 27.93 | 27.93 | 31.85 31.85 31.85 | | 8.11 8.11 | 8.11 | 91.30 91.20 91.30 | 91.23 | 5.87 5.87 | 5.87 | 5.87 | 5.60 5.90 | 5.83 | 0.70 | 4.70 5.20 5.20 | 5.27 | | <1 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | i |
| | | | | | | 27.93 27.93 26.19 | | 31.85 34.86 | 31.85 | 8.11 8.10 7.93 | | 91.20 101.30 | | 5.87 5.87 6.73 | | 5.67 | 5.90 5.70 2.10 | | | 5.40 2.60 | | | 1.00 | | | <1.6 <1.6 <1.6 | _ | |
| | | | | Surface | 1.0 | 26.19 26.17 26.13 | 26.18 | 34.86 34.87 34.89 | 34.86 | 7.92 7.92 7.92 | 7.92 | 100.60 100.70 100.40 | 100.87 | 6.69 6.69 6.67 | 6.70 | 6.70 | 2.10 2.20 2.20 | 2.13 | | 2.80 2.60 2.20 | 2.67 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | ſ |
| 12-Oct-20 | Sunny | 16:12 | Moderate | Middle | 3.5 | 26.17 26.15 26.16 | 26.15 | 34.88 34.88 34.87 | 34.88 | 7.94 7.92 7.92 | 7.93 | 101.60 100.30 100.60 | 100.77 | 6.75 6.67 6.69 | 6.70 | | 2.20 2.20 2.10 | 2.20 | 2.17 | 2.40 2.10 2.10 | 2.23 | 2.33 | 1.00 1.00 1.00 | 1.00 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.0 | 26.16 26.13 25.18 | 26.15 | 34.87 34.89 34.86 | 34.88 | 7.94 7.93 7.92 | 7.93 | 102.50 100.80 94.90 | 101.30 | 6.81 6.70 6.42 | 6.73 | 6.73 | 2.20 2.20 4.10 | 2.17 | | 2.00 2.20 5.20 | 2.10 | | 1.00 1.00 2.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 25.18 25.17 25.18 | 25.18 | 34.85 34.84 34.84 | 34.85 | 7.92 7.92 7.92 | 7.92 | 95.30 95.60 95.20 | 95.27 | 6.44 6.46 6.44 | 6.44 | 6.43 | 4.20 4.00 4.20 | 4.10 | | 5.60 5.40 6.30 | 5.40 | - | 2.00 2.00 2.00 | 2.00 | | <1.6 <1.6 <1.6 | <1.6 | ł |
| 14-Oct-20 | Fine | 16:03 | Moderate | Middle | 3.7 | 25.18 25.18 25.18 | 25.18 | 34.85 34.86 34.86 | 34.85 | 7.92 7.92 7.92 | 7.92 | 95.20 94.50 95.10 | 94.97 | 6.43 6.39 6.43 | 6.42 | | 4.20 4.40 4.30 | 4.27 | 4.24 | 6.50 6.10 7.20 | 6.30 | 6.26 | 2.00 2.00 2.00 | 2.00 | 2.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.4 | 25.18 25.18 | 25.18 | 34.86 34.84 | 34.85 | 7.93 7.92 | 7.92 | 94.50 95.10 | 94.90 | 6.39 6.42 | 6.41 | 6.41 | 4.50 4.30 | 4.37 | | 7.10 6.90 | 7.07 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | - |
| | | | | Surface | 1.1 | 25.24 25.25 25.25 | 25.25 | 34.83 34.83 34.83 | 34.83 | 8.17 8.16 8.16 | 8.16 | 90.10 90.10 89.70 | 89.97 | 6.08 6.08 6.06 | 6.07 | 6.06 | 3.20 3.30 3.30 | 3.27 | | 4.20 4.00 4.30 | 4.17 | | 1.00 1.00 1.00 | 1.00 | | <1.6 <1.6 <1.6 | <1.6 | ł |
| 16-Oct-20 | Sunny | 17:25 | Moderate | Middle | 3.8 | 25.22 25.20 25.19 | 25.20 | 34.83 34.84 34.84 | 34.84 | 8.16 8.17 8.16 | 8.16 | 89.40 89.70 89.70 | 89.60 | 6.04 6.06 6.06 | 6.05 | | 3.60 3.50 3.60 | 3.57 | 3.68 | 4.20 4.40 4.50 | 4.37 | 4.46 | <1 <1 <1 | <1 | 1.00 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.6 | 25.19 25.19 25.20 | 25.19 | 34.84 34.84 34.84 | 34.84 | 8.16 8.16 8.17 | 8.16 | 89.60 89.80 89.90 | 89.77 | 6.05 6.07 6.07 | 6.06 | 6.06 | 4.30 4.20 4.10 | 4.20 | | 4.90 4.60 5.00 | 4.83 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 24.68 24.70 24.68 | 24.69 | 35.16 35.15 35.16 | 35.16 | 7.98 7.99 8.00 | 7.99 | 88.90 89.60 89.20 | 89.23 | 6.05 6.09 6.06 | 6.07 | 6.08 | 3.80 3.60 3.90 | 3.77 | | 4.80 4.70 5.10 | 4.87 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | ļ |
| 19-Oct-20 | Cloudy | 7:57 | Moderate | Middle | 3.7 | 24.63 24.63 24.64 | 24.63 | 35.18 35.18 35.20 | 35.19 | 7.98 7.99 8.00 | 7.99 | 89.40 89.30 89.60 | 89.43 | 6.09 6.08 6.10 | 6.09 | 2.00 | 4.10 4.00 4.30 | 4.13 | 4.19 | 4.40 4.20 4.10 | 4.23 | 4.30 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.4 | 24.60 24.58 24.61 | 24.60 | 35.20 35.21 35.19 | 35.20 | 8.00 7.99 7.99 | 7.99 | 89.50 89.40 89.60 | 89.50 | 6.10 6.09 6.10 | 6.10 | 6.10 | 4.70 4.80 4.50 | 4.67 | | 3.80 4.00 3.60 | 3.80 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | <u></u> |
| | | | | Surface | 1.0 | 24.29 24.30 24.32 | 24.30 | 35.14 35.09 35.08 | 35.10 | 8.16 8.15 8.15 | 8.15 | 88.90 88.80 89.60 | 89.10 | 6.09 6.08 6.14 | 6.10 | 6.10 | 2.70 2.80 2.70 | 2.73 | | 3.20 2.80 3.00 | 3.00 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| 21-Oct-20 | Sunny | 9:23 | Moderate | Middle | 3.8 | 24.27 24.27 24.27 | 24.27 | 35.15 35.16 35.16 | 35.16 | 8.14 8.15 8.16 | 8.15 | 88.90 88.90 89.00 | 88.93 | 6.09 6.09 6.09 | 6.09 | 0.10 | 3.10 3.20 3.10 | 3.13 | 3.01 | 3.40 3.10 3.30 | 3.27 | 3.39 | <1 <1 <1 | <1 | <1 | <1.6 <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.4 | 24.29 24.29 24.26 | 24.28 | 35.14 35.13 35.17 | 35.15 | 8.15 8.15 8.14 | 8.15 | 89.10 88.90 88.70 | 88.90 | 6.10 6.09 6.08 | 6.09 | 6.09 | 3.10 3.20 3.20 | 3.17 | | 3.90 3.70 4.10 | 3.90 | | <1 <1 <1 | <1 | | <1.6 <1.6 <1.6 | <1.6 | |
| | | | | Surface | - | - | - | - | - | - | - | - | - | - | - | | - | - | | - | - | | - | - | | - | - | |
| 23-Oct-20 ² | - | - | - | Middle | - | - | - | | - | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | Bottom | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | Surface | 1.1 | 22.83 22.84 | 22.83 | 35.55 35.55 | 35.55 | 7.97 7.97 | 7.97 | 96.40 96.60 | 96.60 | 6.76 6.77 | 6.77 | | 2.40 2.50 | 2.47 | | 1.90 1.80 | 1.87 | | | | | | | |
| 28-Oct-20 | Rainy | 16:47 | Moderate | Middle | 3.7 | 22.83 22.83 22.84 | 22.84 | 35.55 35.55 35.55 | 35.55 | 7.96 7.97 7.97 | 7.97 | 96.80 96.00 96.40 | 96.17 | 6.79 6.73 6.76 | 6.74 | 6.76 | 2.50 2.50 2.60 | 2.53 | 2.50 | 1.90 2.60 2.70 | 2.63 | 2.54 | | | - | | | l |
| | | | | Bottom | 6.2 | 22.84 22.84 22.83 | 22.84 | 35.54 35.55 35.55 | 35.55 | 7.96 7.98 7.97 | 7.97 | 96.10 96.10 96.40 | 96.37 | 6.73 6.73 6.76 | 6.75 | 6.75 | 2.50 2.50 2.50 | 2.50 | | 2.60 3.30 3.10 | 3.13 | | | | | | | |
| | | | | Surface | 1.0 | 22.84 22.80 22.80 | 22.80 | 35.55 35.55 35.55 | 35.55 | 7.97 7.93 7.93 | 7.93 | 96.60 89.80 89.90 | 89.87 | 6.77 6.30 6.30 | 6.30 | | 2.50 1.60 1.70 | 1.63 | | 3.00 4.00 3.30 | 3.23 | | | | | | | |
| 30-Oct-20 | Cloudy | 17:06 | Moderate | Middle | 3.7 | 22.80 22.79 22.80 | 22.80 | 35.55 35.56 35.56 | 35.56 | 7.93 7.93 7.94 | 7.93 | 89.90 89.90 89.90 | 89.90 | 6.30 6.30 6.30 | 6.30 | 6.30 | 1.60 1.90 1.80 | 1.77 | 1.71 | 2.40 2.20 3.10 | 2.47 | 2.91 | | | - | | | |
| | | | | Bottom | 6.4 | 22.80 22.79 22.80 | 22.79 | 35.56 35.56 35.56 | 35.56 | 7.93 7.93 7.93 | | 89.90 89.70 89.90 | 89.67 | 6.30 6.29 6.31 | 6.29 | 6.29 | 1.60 1.70 1.70 | 1.73 | | 2.10 3.10 3.00 | 3.03 | - | | | | | | |
| Note: | | | | | | 22.79 | | 35.56 | | 7.94 | | 89.40 | | 6.27 | | 5.23 | 1.80 | | | 3.00 | | | | | | | | |

Note:

- 1. Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

 2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

Water Quality Monitoring Results at IS2 - Mid-Ebb Tide

| Water Quality I | | | | е | | ii . | | | 1. (.) | n | - 1 | 500 (0/) | 1 5: 1 | | | 1 - | 1 1 11 / / / / / / / / / / / / / / / / | | 1 | | | | | 1r = . | | |
|-----------------|----------------------|------------------|------------------|---------|-------|-----------------|--|----------------|--|--------------------|-------|---------------------------------|--------------|----------------------|----------------|--------------|--|------|--------------|--------------------------|-------------|----------------------|--------|--------------|-----------------------|------|
| Date | Weather Condition | Sampling Time | Sea Condition | Depti | h (m) | Temper Value | ature(°C) Average | Value | nity(ppt) Average | Value Ave | | DO Saturation (%) Value Average | Value | ed Oxyger Average | n (mg/L) DA | Value | rbidity (NTI Average | · — | Value | led Solids (i Average | ng/L) DA | Value Average | | | al PAH (μο Average | |
| | Condition | TIIIIC | Condition | | | 25.05 | Avelage | 33.45 | Avelage | 8.09 | age | 91.80 | 6.32 | Awerage | Dit | 2.00 | Tiverage | Dit | 1.70 | Avelage | Dit | 1.00 | ge Dr. | <1.6 | Average | D/(|
| | | | | Surface | 1.0 | 25.06 | 25.06 | 33.41 | 33.42 | 8.09 8. | 09 | 90.90 91.37 | 6.22 | 6.26 | | 2.00 | 2.03 | | 1.50 | 1.67 | | <1 1.00 | | <1.6 | <1.6 | |
| | | | | | | 25.07 24.87 | | 33.41 33.54 | | 8.09 8.10 | | 91.40 | 6.25 6.21 | | 6.20 | 2.10 | | | 1.80 2.40 | | - | 2.00 | | <1.6 | | - |
| 11-Sep-20 | Fine | 7:19 | Moderate | Middle | 3.9 | 24.89 | 24.88 | 33.52 | 33.53 | | 10 | 88.50 89.70 | 6.06 | 6.13 | | 2.20 | 2.10 | 2.14 | 2.40 | 2.27 | 2.26 | 1.00 1.33 | 1.11 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 24.89 | | 33.52 | | 8.10 | | 89.70 | 6.12 | | | 2.10 | | | 2.10 | | | 1.00 | | <1.6 | | |
| | | | | D | | 24.85 | 04.70 | 33.70 | 00.07 | 8.10 | 40 | 86.40 | 5.92 | F 07 | F 07 | 2.40 | 0.00 | | 2.70 | 0.00 | | 1.00 | | <1.6 | 4.0 | |
| | | | | Bottom | 6.6 | 24.66 24.85 | 24.79 | 33.67 33.64 | 33.67 | 8.11 8. 8.10 | 10 | 86.10 87.30 89.40 | 5.88 6.12 | 5.97 | 5.97 | 2.30 | 2.30 | | 3.00 2.80 | 2.83 | | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 27.69 | | 31.30 | | 8.11 | | 92.60 | 6.12 | | | 2.60 | | | 2.20 | | | 2.00 | | <1.6 | | |
| | | | | Surface | 1.1 | 27.67 | 27.67 | 31.30 | 31.30 | 8.11 8. | 11 | 92.00 92.20 | 6.08 | 6.10 | | 2.50 | 2.57 | | 2.10 | 2.23 | | 2.00 2.00 | | <1.6 | <1.6 | |
| | | | | | | 27.64 27.61 | | 31.31 31.28 | | 8.11 8.11 | | 92.00 90.90 | 6.09 6.01 | | 6.07 | 2.60 | | | 2.40 2.80 | | 1 | 2.00 | | <1.6 <1.6 | | 1 |
| 14-Sep-20 | Cloudy | 10:20 | Moderate | Middle | 3.7 | 27.65 | 27.64 | 31.28 | 31.28 | 8.11 8. | 11 | 92.00 91.47 | 6.09 | 6.05 | | 2.60 | 2.60 | 2.56 | 2.80 | 2.73 | 2.96 | 2.00 2.33 | 2.11 | <1.6 | <1.6 | <1.6 |
| | | | | | | 27.65 | | 31.29 | | 8.11 | | 91.50 | 6.05 | | | 2.60 | | | 2.60 | | 1 | 3.00 | | <1.6 | | 1 |
| | | | | Bottom | 6.3 | 27.66 27.63 | 27.65 | 31.28 31.28 | 31.28 | 8.11 8.11 8. | 11 | 92.10 90.90 91.47 | 6.09 | 6.05 | 6.05 | 2.50 | 2.50 | | 4.20 3.80 | 3.90 | | 2.00 2.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 27.65 | | 31.27 | | 8.11 | | 91.40 | 6.05 | | | 2.50 | | | 3.70 | | | 2.00 | | <1.6 | | |
| | | | | 0 | 4.0 | 28.00 | 07.00 | 31.16 | 04.45 | 8.27 | 07 | 80.30 | 5.62 | F 00 | | 2.80 | 0.70 | | 4.50 | 4.70 | | <1 | | <1.6 | 4.0 | |
| | | | | Surface | 1.0 | 28.01 27.97 | 27.99 | 31.15 31.14 | 31.15 | 8.27 8.3 8.27 | 21 | 80.50 80.43 80.50 | 5.64 5.64 | 5.63 | | 2.80 | 2.73 | | 5.00 4.70 | 4.73 | | <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 27.89 | | 31.17 | | 8.28 | | 79.80 | 5.60 | | 5.62 | 3.30 | | ł | 3.70 | | 1 | <1 | | <1.6 | | 1 |
| 16-Sep-20 | Sunny | 11:57 | Moderate | Middle | 3.8 | 27.83 | 27.88 | 31.17 | 31.16 | | 28 | 79.90 79.93 | 5.61 | 5.61 | | 3.40 | 3.33 | 3.18 | 4.00 | 3.77 | 3.74 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 27.91 27.86 | | 31.15 31.15 | | 8.28 8.28 | | 80.10 80.10 | 5.61 5.62 | | | 3.30 | | | 3.60 2.50 | | 1 | <1 | | <1.6 <1.6 | | 1 |
| | | | | Bottom | 6.5 | 27.86 | 27.86 | 31.15 | 31.15 | 8.28 8.3 | 28 | 80.20 80.07 | 5.63 | 5.62 | 5.62 | 3.50 | 3.47 | | 2.70 | 2.73 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 27.86 | | 31.15 | | 8.28 | | 79.90 | 5.61 | | | 3.50 | | | 3.00 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.0 | 28.05 28.05 | 28.05 | 30.74 | 30.72 | 8.12 8.11 8. | | 81.30 81.50 81.40 | 5.65 5.67 | 5.66 | | 2.30 | 2.23 | | 2.90 3.30 | 2.97 | | 1.00 1.00 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Carraco | | 28.04 | 20.00 | 30.72 | - 002 | 8.12 | ·- - | 81.40 | 5.67 | 0.00 | 5.65 | 2.20 | 2.20 | | 2.70 | 2.01 | | 1.00 | | <1.6 | 11.0 | |
| 40.0 | _ | | | | | 28.07 | | 30.84 | | 8.11 | | 81.00 | 5.64 | | 5.05 | 2.50 | | | 3.60 | | | <1 | 4.00 | <1.6 | | |
| 18-Sep-20 | Fine | 13:31 | Moderate | Middle | 3.8 | 28.06 28.06 | 28.06 | 30.81 | 30.82 | 8.11 8.10 | | 81.10 81.07 81.10 | 5.65 5.64 | 5.64 | | 2.60 | 2.53 | 2.44 | 3.80 | 3.77 | 3.67 | <1 <1 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 28.07 | | 30.84 | | 8.11 | | 81.30 | 5.66 | | | 2.70 | | ł | 4.30 | | 1 | 1.00 | | <1.6 | | 1 |
| | | | | Bottom | 6.5 | 28.07 | 28.07 | 30.83 | 30.84 | 8.11 8. | 11 | 81.10 81.20 | 5.65 | 5.65 | 5.65 | 2.50 | 2.57 | | 4.10 | 4.27 | | 1.00 1.00 | | <1.6 | <1.6 | |
| | | | | | | 28.07 28.62 | | 30.84 30.65 | | 8.10 8.37 | | 73.70 | 5.65 4.82 | | | 2.50 4.30 | | | 4.40 5.00 | | | 1.00 <1 | | <1.6 <1.6 | | 1 |
| | | | | Surface | 1.1 | 28.61 | 28.61 | 30.61 | 30.62 | 8.38 8.3 | 38 | 73.70 73.67 | 4.82 | 4.82 | | 4.30 | 4.33 | | 4.70 | 4.87 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 28.61 | | 30.59 | | 8.38 | | 73.60 | 4.81 | | 4.81 | 4.40 | | | 4.90 | | 1 | <1 | | <1.6 | | 1 |
| 21-Sep-20 | Cloudy | 3:29 | Moderate | Middle | 3.7 | 28.63 28.64 | 28.63 | 30.75 30.84 | 30.79 | 8.37 8.37 8.3 | 37 | 73.50 73.60 73.57 | 4.80 4.80 | 4.80 | | 4.30 | 4.33 | 4.37 | 4.20 4.30 | 4.10 | 3.91 | <1 <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | , | | | | | 28.63 | | 30.79 | | 8.37 | | 73.60 | 4.81 | | | 4.40 | | | 3.80 | | | <1 | | <1.6 | | |
| | | | | Datter | 6.4 | 28.62 | 20.62 | 30.77 | 20.70 | 8.37 | 27 | 73.40 | 4.79 | 4.00 | 4.00 | 4.50 | 4.43 | | 2.90 | 2.77 | | <1 | | <1.6 | .1.0 | |
| | | | | Bottom | 6.1 | 28.63 28.63 | 28.63 | 30.80 | 30.79 | 8.36 8.3 8.37 | | 73.50 73.47 73.50 | 4.80 4.80 | 4.80 | 4.80 | 4.40 | 4.43 | | 2.70 | 2.11 | | <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.91 | | 30.56 | | 8.16 | | 78.70 | 5.12 | | | 3.90 | | | 2.20 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.1 | 28.92 | 28.92 | 30.92 | 30.64 | 8.15 8. | | 78.60 78.67 | 5.10 | 5.11 | | 4.10 | 3.97 | | 2.30 | 2.27 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 28.92 28.88 | | 30.45 30.96 | | 8.15 8.13 | | 78.70 78.60 | 5.12 5.11 | | 5.11 | 3.90 4.20 | | | 2.30 2.70 | | - | <1 | | <1.6 <1.6 | | |
| 23-Sep-20 | Fine | 4:51 | Moderate | Middle | 3.7 | 28.88 | 28.88 | 30.97 | 30.98 | 8.14 8. | | 78.60 78.53 | 5.10 | 5.10 | | 4.30 | 4.23 | 4.13 | 2.90 | 2.80 | 2.80 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.88 | | 31.01 31.04 | | 8.15 | | 78.40 | 5.09 5.10 | | | 4.20 | | | 2.80 3.40 | | 4 | <1 | | <1.6 | | |
| | | | | Bottom | 6.3 | 28.88 28.89 | 28.89 | 30.97 | 30.98 | 8.13 8.15 8. | 13 | 78.50 78.50 78.53 | 5.10 | 5.10 | 5.10 | 4.20 4.20 | 4.20 | | 3.40 | 3.33 | | <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.89 | | 30.94 | | 8.12 | | 78.60 | 5.11 | | | 4.20 | | | 3.40 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.1 | 29.25 29.26 | 29.25 | 31.25 31.20 | 31.23 | 8.10 8.10 8. | 10 | 96.60 95.80 95.93 | 6.22 6.18 | 6.18 | | 2.10 | 2.10 | | 2.90 2.60 | 2.73 | | <1 <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 29.25 | 29.20 | 31.23 | 31.23 | 8.10 | 10 | 95.40 | 6.14 | 0.10 | 0.47 | 2.10 | 2.10 | | 2.70 | 2.73 | | <1 | | <1.6 | <1.0 | |
| | _ | | | | | 29.26 | | 31.30 | | 8.10 | | 95.10 | 6.13 | | 6.17 | 2.10 | | | 1.90 | | | <1 | | <1.6 | | 1 |
| 25-Sep-20 | Fine | 7:29 | Moderate | Middle | 3.6 | 29.28 29.27 | 29.27 | 31.44 31.33 | 31.36 | 8.10 8.10 8.10 | 10 | 95.80 95.53 95.70 | 6.16 6.17 | 6.15 | | 2.10 | 2.10 | 2.13 | 1.80 1.70 | 1.80 | 2.06 | <1 <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 29.25 | | 31.34 | | 8.09 | | 94.60 | 6.10 | | | 2.20 | | | 1.70 | | 1 | <1 | | <1.6 | | |
| | | | | Bottom | 6.0 | 29.27 | 29.27 | 31.45 | 31.43 | 8.10 8. | 09 | 95.40 94.87 | 6.14 | 6.11 | 6.11 | 2.20 | 2.20 | | 1.70 | 1.63 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 29.28 28.82 | | 31.50 32.04 | | 8.09 8.14 | | 94.60 92.00 | 6.09 5.95 | | | 2.20 6.20 | | | 1.50 2.60 | | - | 1.00 | | <1.6 <1.6 | | |
| | | | | Surface | 1.0 | 28.80 | 28.82 | 32.04 | 32.04 | 8.18 8. | 16 | 88.90 90.13 | 5.75 | 5.83 | | 6.20 | 6.20 | | 2.80 | 2.70 | | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 28.84 | | 32.04 | | 8.16 | | 89.50 | 5.78 | | 5.83 | 6.20 | | | 2.70 | | 1 | 1.00 | | <1.6 | | |
| 28-Sep-20 | Cloudy | 10:20 | Moderate | Middle | 3.5 | 28.89 28.85 | 28.88 | 32.04 32.04 | 32.04 | 8.16 8.17 8. | 15 | 89.40 88.70 90.47 | 5.77 5.73 | 5.84 | | 6.20 | 6.20 | 6.24 | 3.50 3.30 | 3.30 | 3.46 | <1 <1 <1 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | , | | | | | 28.91 | | 32.04 | - | 8.12 | | 93.30 | 6.02 | | | 6.20 | | | 3.10 | | | <1 | | <1.6 | | |
| | | | | Dettern | 6.4 | 28.93 | 20.04 | 32.04 | 22.04 | 8.15 | | 89.70 | 5.78 | F 00 | F 00 | 6.30 | 6.22 | | 4.20 | 4.27 | | <1 | | <1.6 | .1.0 | |
| | | | | Bottom | 6.1 | 28.89 28.92 | 28.91 | 32.04 32.04 | 32.04 | 8.17 8. 8.11 | | 96.20 91.57 | 5.73 6.20 | 5.90 | 5.90 | 6.50 | 6.33 | | 4.60 4.30 | 4.37 | | <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.89 | | 31.66 | | 7.88 | | 77.90 | 5.44 | | | 3.40 | | | 4.00 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.0 | 28.88 | 28.88 | 31.66 | 31.66 | 7.90 7.8 | | 77.50 77.83 | 5.41 | 5.43 | | 3.30 | 3.27 | | 4.10 | 4.17 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 28.88 28.89 | | 31.66 31.66 | | 7.90 7.88 | | 78.10 77.50 | 5.45 5.40 | | 5.41 | 3.10 | | 1 | 4.40 5.50 | | 1 | <1 | - | <1.6 <1.6 | | 1 |
| 30-Sep-20 | Fine | 12:19 | Moderate | Middle | 3.7 | 28.88 | 28.88 | 31.66 | 31.66 | 7.90 7.8 | 89 | 76.80 77.07 | 5.36 | 5.38 | | 3.30 | 3.37 | 3.50 | 5.40 | 5.40 | 5.49 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.88 | - | 31.67 | - | 7.90 | | 76.90 | 5.37 | | | 3.40 | | 1 | 5.30 | | 1 | <1 | _ | <1.6 | | 1 |
| | | | | Bottom | 6.4 | 28.89 28.88 | 28.88 | 31.66 31.67 | 31.66 | 7.89 7.90 7.5 | | 78.00 77.30 77.53 | 5.43 5.40 | 5.41 | 5.41 | 3.80 4.00 | 3.87 | | 6.90 7.00 | 6.90 | | <1 <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.88 | | 31.66 | | 7.90 | | 77.30 | 5.39 | | | 3.80 | | | 6.80 | | | <1 | | <1.6 | | |

| Water Quality | | | | | | | | 11 | | | | 1 | | 10 | | | 1 | | | _ | | | 1 | | | | | |
|------------------------|----------------------|------------------|------------------|----------|-------|-----------------|----------------------|-----------------|----------------------|--------------|---------------|-------------------|----------------------|--------------|-----------------------|-------|--------------|-------------------------|------|-----------------|--------------------------|----------|-----------------|-----------------------|----------|--------------|-------------------|------------------------|
| Date | Weather Condition | Sampling Time | Sea Condition | Depth | n (m) | Temper Value | ature(°C) Average | Sanlir Value | nity(ppt) Average | Value | pH Average | DO Satur Value | ation (%) Average | | red Oxygen Average | | | rbidity (NTI Average | | Suspen Value | ded Solids (n Average | | Co Value | pper (µg/L Average |)1 DA | | AVERAGE | /L) ¹ DA |
| | | 7.11.0 | | Surface | 1.1 | 28.56 | 28.56 | 30.32 | 30.32 | 7.40 | 7.40 | 86.50 | 86.43 | 5.94 | 5.94 | | 6.50 | 6.47 | | 2.70 | 2.80 | | <1 | | | <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 28.56 28.56 | 28.56 | 30.33 30.32 | 30.32 | 7.40 7.40 | 7.40 | 87.10 85.70 | 00.43 | 5.98 5.89 | 5.94 | 5.68 | 6.40 | 0.47 | | 2.80 2.90 | 2.00 | | <1 <1 | <1 | | <1.6 <1.6 | <1.0 | |
| 5-Oct-20 | Cloudy | 2:19 | Moderate | Middle | 3.5 | 28.59 28.59 | 28.59 | 30.74 30.71 | 30.71 | 7.41 7.41 | 7.41 | 79.20 78.80 | 79.00 | 5.43 5.42 | 5.43 | 3.00 | 7.40 7.50 | 7.50 | 7.24 | 2.60 2.80 | 2.77 | 2.92 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | , | | | | | 28.60 | | 30.68 | | 7.41 | | 79.00 | | 5.43 | | | 7.60 | | | 2.90 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 6.0 | 28.65 28.64 | 28.64 | 31.04 31.06 | 31.05 | 7.41 | 7.40 | 79.20 78.70 | 79.13 | 5.51 5.50 | 5.51 | 5.51 | 7.70 7.80 | 7.77 | | 3.40 | 3.20 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.64 28.35 | | 31.06 32.08 | | 7.40 8.12 | | 79.50 88.50 | | 5.53 5.76 | | | 7.80 1.80 | | | 3.20 2.30 | | | <1 <1 | | | <1.6 <1.6 | \longrightarrow | |
| | | | | Surface | 1.0 | 28.36 | 28.36 | 32.10 | 32.09 | 8.13 | 8.13 | 88.40 | 88.43 | 5.75 | 5.75 | | 1.60 | 1.70 | | 2.10 | 2.27 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.37 28.39 | | 32.08 32.18 | | 8.13 8.12 | | 88.40 88.30 | | 5.75 5.73 | | 5.75 | 1.70 2.10 | | | 2.40 3.10 | | + | <1 <1 | | ļ | <1.6 <1.6 | | |
| 7-Oct-20 | Cloudy | 3:04 | Moderate | Middle | 3.6 | 28.40 | 28.39 | 32.20 | 32.19 | 8.12 | 8.12 | 88.40 | 88.37 | 5.74 | 5.74 | | 2.10 | 2.10 | 2.04 | 3.40 | 3.37 | 3.48 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.39 28.47 | | 32.18 32.39 | | 8.11 8.11 | | 88.40 88.30 | | 5.74 5.72 | | | 2.10 | | | 3.60 4.80 | | + | <1 <1 | | ļ | <1.6 <1.6 | | |
| | | | | Bottom | 6.2 | 28.48 | 28.47 | 32.40 | 32.39 | 8.12 | 8.11 | 88.20 | 88.27 | 5.71 | 5.72 | 5.72 | 2.40 | 2.33 | | 5.00 | 4.80 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.47 27.86 | | 32.39 31.88 | | 8.11 8.14 | | 88.30 93.00 | | 5.73 6.00 | | | 2.40 6.10 | | | 4.60 3.30 | | | <1 <1 | | | <1.6 <1.6 | | |
| | | | | Surface | 1.0 | 27.90 | 27.88 | 31.88 | 31.88 | 8.12 | 8.12 | 93.10 | 93.67 | 6.00 | 6.04 | | 6.10 | 6.13 | | 3.00 | 3.07 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 27.88 27.97 | | 31.88 31.88 | | 8.10 8.08 | | 94.90 95.30 | | 6.12 6.14 | | 6.05 | 6.20 | | | 2.90 4.90 | | † | <1 <1 | | ł | <1.6 <1.6 | | |
| 10-Oct-20 | Cloudy | 5:16 | Moderate | Middle | 3.6 | 27.95 27.91 | 27.94 | 31.88 31.88 | 31.88 | 8.12 8.13 | 8.11 | 93.60 92.90 | 93.93 | 6.03 5.99 | 6.05 | | 6.10 | 6.10 | 6.11 | 5.00 4.60 | 4.83 | 4.38 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | D-# | 6.0 | 27.95 | 07.07 | 31.88 | 24.00 | 8.13 | 0.40 | 92.30 | 04.47 | 5.95 | C 00 | 6.00 | 6.00 | 6.40 | ÷ | 5.40 | F 00 | Ť | <1 | <1 | İ | <1.6 | .4.6 | |
| | | | | Bottom | 6.2 | 27.98 27.99 | 27.97 | 31.88 31.88 | 31.88 | 8.07 8.11 | 8.10 | 97.50 93.60 | 94.47 | 6.28 | 6.09 | 6.09 | 6.10 | 6.10 | | 5.10 5.20 | 5.23 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 26.25 26.23 | 26.24 | 34.66 34.71 | 34.69 | 7.92 7.91 | 7.91 | 97.90 97.50 | 97.63 | 6.50 | 6.49 | | 2.40 2.50 | 2.47 | | 2.30 2.30 | 2.23 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Curiaco | 1.0 | 26.24 | 20.24 | 34.69 | 01.00 | 7.91 | 7.01 | 97.50 | 07.00 | 6.48 | 0.40 | 6.46 | 2.50 | 2 | | 2.10 | 2.20 | | 1.00 | 1.00 | | <1.6 | | |
| 12-Oct-20 | Sunny | 8:39 | Moderate | Middle | 3.6 | 26.18 26.20 | 26.19 | 34.80 34.77 | 34.79 | 7.91 7.91 | 7.91 | 96.60 97.30 | 96.90 | 6.42 6.46 | 6.44 | | 2.70 | 2.63 | 2.59 | 2.60 2.80 | 2.67 | 2.37 | 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 26.18 26.16 | | 34.79 34.86 | | 7.91 7.92 | | 96.80 97.60 | | 6.44 6.49 | | | 2.60 | | | 2.60 2.20 | | + | 1.00 | | ł | <1.6 <1.6 | | |
| | | | | Bottom | 6.2 | 26.18 | 26.17 | 34.82 | 34.84 | 7.91 | 7.91 | 97.20 | 97.60 | 6.46 | 6.49 | 6.49 | 2.70 | 2.67 | | 2.40 | 2.20 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 26.18 25.28 | | 34.83 34.74 | | 7.91 | | 98.00 93.30 | | 6.51 | | | 2.70 3.90 | | | 2.00 6.70 | | | 1.00 | | | <1.6 <1.6 | \rightarrow | |
| | | | | Surface | 1.1 | 25.26 25.26 | 25.27 | 34.78 34.77 | 34.76 | 7.91 7.91 | 7.91 | 93.20 93.30 | 93.27 | 6.29 6.30 | 6.30 | | 3.70 3.70 | 3.77 | | 6.30 6.40 | 6.47 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| 14-Oct-20 | Fine | 10:41 | Moderate | Middle | 3.8 | 25.24 | 25.25 | 34.82 | 34.82 | 7.92 | 7.92 | 92.90 | 93.07 | 6.28 | 6.29 | 6.29 | 4.10 | 4.03 | 3.99 | 5.80 | 5.77 | 5.80 | 2.00 | 2.00 | 1.67 | <1.6 | <1.6 | <1.6 |
| 14-001-20 | Fille | 10.41 | ivioderate | ivildale | 3.6 | 25.25 25.25 | 25.25 | 34.82 34.82 | 34.02 | 7.91 7.92 | 7.52 | 93.30 93.00 | 93.07 | 6.30 6.28 | 0.29 | | 4.00 | 4.03 | 3.99 | 5.90 5.60 | 5.77 | 3.80 | 2.00 | 2.00 | 1.07 | <1.6 <1.6 | <1.0 | <1.0 |
| | | | | Bottom | 6.6 | 25.24 25.26 | 25.25 | 34.83 34.82 | 34.82 | 7.93 7.92 | 7.92 | 93.00 92.90 | 93.00 | 6.28 | 6.28 | 6.28 | 4.20 4.10 | 4.17 | | 5.20 5.00 | 5.17 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 25.25 | | 34.82 34.77 | | 7.91 8.15 | | 93.10 91.00 | | 6.29 6.14 | | | 4.20 3.20 | | | 5.30 4.60 | | | 2.00 | | | <1.6 <1.6 | | |
| | | | | Surface | 1.1 | 25.25 25.25 | 25.25 | 34.77 | 34.77 | 8.15 | 8.15 | 91.30 | 91.03 | 6.16 | 6.14 | | 3.10 | 3.17 | | 4.90 | 4.83 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 25.24 25.15 | | 34.78 34.81 | | 8.15 8.15 | | 90.80 90.60 | | 6.13 6.12 | | 6.14 | 3.20 | | | 5.00 4.40 | | † | <1 <1 | | ł | <1.6 <1.6 | | |
| 16-Oct-20 | Sunny | 12:16 | Moderate | Middle | 3.6 | 25.15 25.16 | 25.15 | 34.81 34.81 | 34.81 | 8.15 8.16 | 8.15 | 90.50 91.10 | 90.73 | 6.12 6.15 | 6.13 | | 3.40 3.50 | 3.43 | 3.49 | 4.70 4.40 | 4.50 | 4.36 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.0 | 25.13 | 25.42 | 34.81 | 24.00 | 8.15 | 0.45 | 90.60 | 00.67 | 6.12 | 6.40 | 6.12 | 3.90 | 2.07 | * | 3.70 | 3.73 | Ť | <1 | .4 | Ť | <1.6 | .4.6 | |
| | | | | Bollom | 6.2 | 25.13 25.14 | 25.13 | 34.82 34.82 | 34.82 | 8.16 8.15 | 8.15 | 90.80 90.60 | 90.67 | 6.13 6.12 | 6.12 | 6.12 | 3.80 | 3.87 | | 3.60 3.90 | 3.73 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 24.57 24.58 | 24.57 | 35.20 35.18 | 35.19 | 8.02 8.02 | 8.02 | 90.10 89.90 | 90.07 | 6.13 6.12 | 6.13 | | 3.20 | 3.10 | | 6.60 | 6.43 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 24.57 24.55 | | 35.20 35.18 | | 8.03 8.02 | | 90.20 89.90 | | 6.13 6.12 | | 6.12 | 3.00 | | | 6.40 5.30 | | <u> </u> | <1 <1 | | | <1.6 <1.6 | | |
| 19-Oct-20 | Cloudy | 2:10 | Moderate | Middle | 3.5 | 24.56 | 24.56 | 35.18 | 35.19 | 8.02 | 8.02 | 89.50 | 89.80 | 6.10 | 6.12 | | 3.30 | 3.20 | 3.21 | 5.50 | 5.30 | 5.30 | <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 24.56 24.54 | | 35.20 35.19 | | 8.02 8.03 | | 90.00 89.90 | | 6.13 6.11 | | | 3.20 | | | 5.10 4.00 | | 1 | <1 <1 | | | <1.6 <1.6 | | |
| | | | | Bottom | 6.0 | 24.55 24.53 | 24.54 | 35.20 35.21 | 35.20 | 8.02 8.02 | 8.02 | 89.50 89.80 | 89.73 | 6.09 | 6.10 | 6.10 | 3.40 | 3.33 | | 4.40 4.10 | 4.17 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 24.30 | 24.29 | 35.05 | 35.07 | 8.15 | 8.15 | 89.20 | 89.10 | 6.11 | 6.10 | | 2.80 | 2.73 | | 4.20 | 4.03 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | Curiaco | | 24.28 24.30 | 24.20 | 35.09 35.06 | 00.07 | 8.15 8.14 | 0.10 | 89.10 89.00 | 00.10 | 6.11 | 0.10 | 6.09 | 2.80 | 20 | | 4.00 3.90 | 1.00 | | <1 <1 | ٠. | | <1.6 <1.6 | 41.0 | |
| 21-Oct-20 | Cloudy | 3:47 | Moderate | Middle | 3.6 | 24.27 24.27 | 24.27 | 35.17 35.16 | 35.16 | 8.14 8.15 | 8.15 | 88.60 88.80 | 88.77 | 6.07 | 6.08 | | 3.10 | 3.10 | 3.00 | 3.50 3.80 | 3.60 | 3.49 | <1 <1 | <1 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 24.27 24.28 | | 35.16 35.13 | | 8.15 8.15 | | 88.90 88.60 | | 6.09 | | | 3.10 | | | 3.50 3.00 | | + | <1 1.00 | | ł | <1.6 <1.6 | | |
| | | | | Bottom | 6.1 | 24.27 | 24.28 | 35.22 | 35.16 | 8.13 | 8.14 | 88.40 | 88.63 | 6.06 | 6.07 | 6.07 | 3.10 | 3.17 | | 2.80 | 2.83 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 24.28 | | 35.13 | | 8.15 | | 88.90 | | 6.09 | | | 3.20 | | | 2.70 | | 1 | 1.00 | | | <1.6 | -+ | |
| | | | | Surface | - | - | - | - | - | - | - | - | - | - | - | | - | - | | - | - | | - | - | | - | - | |
| 23-Oct-20 ² | _ | _ | _ | Middle | - | - | _ | - | _ | - | _ | - | _ | - | _ | - | - | - | 1 | - | - | 1 | - | _ | 1 | - | | - |
| 23-001-20 | | | | Wildalo | | - | | - | | | | - | | | | | - | | | - | | | - | | | - | | |
| | | | | Bottom | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - |
| | | | | | | 22.83 | | 35.57 | | 7.99 | | 96.10 | | 6.74 | | | 2.70 | | | 2.70 | | | - | | | - | \longrightarrow | |
| | | | | Surface | 1.0 | 22.83 | 22.83 | 35.57 | 35.57 | 7.99 | 7.99 | 96.20 | 96.10 | 6.74 | 6.74 | | 2.50 | 2.60 | | 3.00 | 2.83 | | | | | | | |
| | | | | | | 22.84 22.84 | | 35.56 35.56 | | 7.98 7.99 | | 96.00 96.20 | | 6.73 6.74 | | 6.74 | 2.60 | | t | 2.80 2.60 | | † | | | t | | | |
| 28-Oct-20 | Cloudy | 11:01 | Moderate | Middle | 3.6 | 22.83 22.83 | 22.83 | 35.57 35.57 | 35.57 | 7.99 8.00 | 7.99 | 96.40 96.00 | 96.20 | 6.75 6.73 | 6.74 | | 2.50 2.50 | 2.50 | 2.54 | 2.70 2.80 | 2.70 | 2.69 | | | | | | |
| | | | | Bottom | 6.1 | 22.83 22.83 | 22.83 | 35.56 35.57 | 35.57 | 7.99 7.99 | 7.99 | 96.20 96.30 | 96.17 | 6.74 6.75 | 6.74 | 6.74 | 2.50 | 2.53 |] | 2.60 2.40 | 2.53 | | | | Ī | | | |
| | | | | Domoni | J | 22.83 | 22.00 | 35.57 | 00.07 | 8.00 | 7.55 | 96.00 | 557 | 6.73 | 0 | 0.7-1 | 2.50 | 2.00 | | 2.60 | 2.00 | | | | | | | |
| | | | | Surface | 1.0 | 22.64 22.63 | 22.63 | 35.62 35.62 | 35.62 | 8.01 8.01 | 8.01 | 90.80 90.80 | 90.73 | 6.37 6.36 | 6.36 | | 1.40 | 1.47 | | 4.00 3.40 | 3.63 | | | | | | | |
| | | | | - | | 22.63 22.64 | | 35.62 35.62 | | 8.01 8.02 | | 90.60 90.90 | | 6.35 6.37 | | 6.36 | 1.50 1.60 | | - | 3.50 4.00 | | 1 | $\vdash \vdash$ | | ł | | | |
| 30-Oct-20 | Cloudy | 12:04 | Moderate | Middle | 3.5 | 22.64 22.64 | 22.64 | 35.62 35.62 | 35.62 | 8.02 8.02 | 8.02 | 90.70 | 90.73 | 6.36 | 6.36 | | 1.60 | 1.60 | 1.57 | 4.10 3.00 | 3.70 | 3.53 | | | | | | |
| | | | | Po# | 6.0 | 22.64 | 20.04 | 35.62 | 35.00 | 8.02 | 9.00 | 90.80 | 00.00 | 6.36 | 6.05 | 6.05 | 1.60 | 1.00 | 1 | 4.00 | 2.07 | t | | | İ | | | |
| | | | <u></u> | Bottom | 6.0 | 22.63 22.64 | 22.64 | 35.62 35.62 | 35.62 | 8.02 8.03 | 8.02 | 90.40 90.70 | 90.63 | 6.33 6.36 | 6.35 | 6.35 | 1.70 1.60 | 1.63 | | 3.60 2.20 | 3.27 | | | | L | | | |
| Note: | | | | | | | | | | | | | | | | | | | | | _ | | | | | | | |

- 1. Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

 2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

Water Quality Monitoring Results at IS2 - Mid-Flood Tide

| Martin M | Water Quality N | | | | ide | | - | -0 | 0!' | !t(1) | | | I DO 0-1 | | T. Direct | | (/l \ | T ======= | Pro ALTERN | | 0 | d - d O - l' d - 7 | | I 0 | | , I | T-1 | -LDAIL (| -0. |
|--|-----------------|-----------|----------|-----------|-----------|-----|-------|---------|-------|---------|------|----------|-------------|----------|-----------|---------|-------------|-----------|------------|------|-------|--------------------|-------|-------------|---------|----------|------|-------------------|------|
| 1-1 | Date | Weather | Sampling | Sea | Depth | (m) | | | | | | | | | | | | L | | DΛ | | | | | | | | | , |
| 1-50-75 Pro | | Condition | Time | Condition | | | | Avelage | | Avelage | | Average | | Average | - | Average | DA | | verage | DA | | Average | DA | | Average | DA | | Average | DA |
| 14 15 15 15 15 15 15 15 | | | | | Surface | 1.0 | | 25.13 | | 33.31 | | 8.12 | | 92.80 | | 6.34 | | | 1.77 | l | | 3.37 | | | 1.00 | | | <1.6 | |
| Fig. | | | | | | | | | 33.31 | | 8.12 | | 92.80 | | 6.33 | | 6 18 | 1.80 | | l | 3.40 | | | <1 | | | <1.6 | | |
| Section Sect | | _ | | | | | | | | | | | | | | | 0.10 | | | | | | | | | | | | |
| Sum | 11-Sep-20 | Fine | 17:58 | woderate | Middle | 3.9 | | 25.04 | | 33.38 | | 8.12 | | 88.20 | | 6.03 | | | 1.83 | 1.92 | | 2.77 | 2.59 | | 1.00 | 1.00 | | <1.6 | <1.6 |
| Martine 16 2007 2016 | | | | | | | | | | | | | | | | | | | | ŀ | | | | | | | | | |
| Monte 100 10 | | | | | Bottom | 6.8 | | 25.01 | | 33.42 | | 8.12 | | 83.60 | | 5.72 | 5.72 | | 2.17 | | | 1.63 | | | 1.00 | | | <1.6 | |
| 14-Squ 20 27 27 27 27 27 27 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-Sep-20 10-02 | | | | | Curtoso | 1.0 | | 27.60 | | 21.20 | | 0.10 | | 04.02 | | 6 22 | | | 2 17 | | | 4 27 | | | 2 22 | | | -16 | |
| Cataly March Mar | | | | | Surface | 1.0 | | 21.00 | | 31.20 | | 0.12 | | 94.03 | | 0.22 | | | 3.17 | ŀ | | 4.37 | | | 3.33 | | | <1.0 | |
| 10 10 10 10 10 10 10 10 | | | | | | | | | - | | | | | | | | 6.20 | | | ŀ | | | 1 | | | | | | |
| 10-04-20 10-1 10-04-20 10 | 14-Sep-20 | Cloudy | 16:02 | Moderate | Middle | 3.7 | 27.66 | 27.65 | 31.25 | 31.23 | 8.12 | 8.12 | 93.80 | 93.30 | 6.20 | 6.17 | | 3.50 | 3.43 | 3.36 | 3.60 | 3.40 | 3.44 | 3.00 | 3.00 | 2.78 | <1.6 | <1.6 | <1.6 |
| Second Column C | | | | | | | | | | | | | | | | | | | | | | | _ | | | | | | |
| Fig. | | | | | Bottom | 6.5 | | 27.65 | | 31.25 | | 8.12 | | 93.10 | | 6.16 | 6.16 | | 3.47 | ŀ | | 2.57 | | | 2.00 | | | <1.6 | |
| Button 10 2776 778 781 782 783 834 828 8 | | | | | Bottom | 0.0 | | 27.00 | | 01.20 | | 0.12 | | 00.10 | | 0.10 | 00 | | 0 | | | 2.01 | | | 2.00 | | | 11.0 | |
| February | | | | | | | 27.80 | | 31.18 | | 8.33 | | 81.50 | | 5.74 | | | | | | 2.60 | | | <1 | | | <1.6 | | |
| 10 10 10 10 10 10 10 10 | | | | | Surface | 1.0 | | 27.78 | | 31.19 | | 8.34 | | 81.90 | | 5.76 | | | 3.13 | | | 2.73 | | | 1.00 | | | <1.6 | |
| Fire 17.50 Maximum Mode 3.2 7.50 7.76 13.3 13.0 13.0 2.50 5.00 | | | | | | | | | | | | | | | | | 5.73 | | | | | | - | | | • | | | |
| | 16-Sep-20 | Sunny | 16:51 | Moderate | Middle | 3.9 | | 27.64 | | 31.30 | | 8.36 | | 81.00 | | 5.70 | | | 3.60 | 3.46 | | 3.73 | 3.47 | | <1 | 1.00 | | <1.6 | <1.6 |
| Bellet 17 276 37 | | , | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surface Five 1750 Moderate Moderat | | | | | D . II | 0.7 | | 07.04 | | 04.04 | | 0.05 | | 00.47 | | F 70 | <i>5</i> 70 | | 0.00 | | | 0.00 | | | | | | 4.0 | |
| Surface 1 2 200 2 201 3360 200 431 4 3 40 40 4 7 42 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | | | | Bottom | 6.7 | | 27.64 | | 31.31 | | 8.35 | | 82.17 | | 5.78 | 5.78 | | 3.63 | | | 3.93 | | | <1 | | | <1.6 | |
| Part | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The Sep-20 Fine 17:50 Medicese Midsle 36 28:00 | | | | | Surface | 1.0 | | 28.01 | | 30.60 | | 8.13 | | 84.13 | | 5.87 | | | 2.53 | | | 4.97 | | | <1 | | | <1.6 | |
| Fine 17.50 Moderno Mode Mod | | | | | | | | | | | | | | | | | 5.77 | | | | | | | | | | | | |
| 200 308 513 510 566 200 308 513 510 510 506 506 300 287 333 330 510 | 18-Sen-20 | Fine | 17:50 | Moderate | Middle | 3.6 | | 28.00 | | 30.62 | | 8 13 | | 81.07 | | 5.66 | | | 2.80 | 2 73 | | 4 47 | 4 24 | | -1 | -1 | | -16 | -16 |
| Perform Company Perf | 10 OCP 20 | 1 1110 | 17.50 | Woderate | Wildaic | 0.0 | | 20.00 | | 00.02 | | 0.10 | | 01.07 | | 5.00 | | | 2.00 | 2.70 | | 4.47 | 7.27 | | | ` ' | | <1.0 | V1.0 |
| Surface 10 28.00 | | | | | | | | | | | | | | | | | | 2.80 | | | | | 1 | | | | | | |
| Surface 1 | | | | | Bottom | 6.2 | | 28.00 | | 30.62 | | 8.13 | | 81.10 | | 5.66 | 5.66 | | 2.87 | | | 3.30 | | | <1 | | | <1.6 | |
| Surface 1.0 26.46 28.46 29.06 29.01 63.4 8.34 77.00 70.53 46.4 4.64 4.65 29.0 2.77 4.64 4.65 4.65 4.65 4.65 4.65 4.65 4.65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21-Sep 20 Cloudy 7-46 Moderate Middle 3.5 24.6 | | | | | Surface | 1.0 | | 28.46 | | 29.91 | | 8.34 | | 70.53 | | 4.64 | | | 2.77 | | | 4.10 | | | <1 | | | <1.6 | |
| 21-Sep-20 Cicusly 7-46 Moderate Mode | | | | | | | 28.47 | | 29.82 | | 8.34 | | 70.50 | | 4.64 | | 4 63 | 2.80 | | | 4.00 | | | | | | <1.6 | | |
| 28.47 30.32 8.33 70.40 4.62 2.80 2.80 2.80 2.70 2.60 2.80 | 24 Can 20 | Claudy | 7.40 | Madausta | Middle | 2.5 | | 20.47 | | 20.20 | | 0.22 | | 70.00 | | 4.00 | | | 2.72 | 2 77 | | 2.07 | 2.20 | | | | | .1.0 | .1.0 |
| Betton B | 21-Sep-20 | Cloudy | 7:46 | woderate | Middle | 3.5 | | 20.47 | | 30.29 | | 0.33 | | 70.33 | | 4.62 | | | 2.73 | 2.77 | | 3.07 | 3.20 | | <1 | <1 | | <1.0 | <1.0 |
| Surface 10 28.47 30.31 30.48 8.25 8.25 79.70 78.40 5.11 3.80 3.83 4.20 4.17 4.17 4.16 4 | | | | | | | | | | | 8.33 | | | | | | | 2.80 | | | 2.70 | | 1 | <1 | | | | | |
| Surface 10 28.95 28.94 30.67 30.48 8.25 8.25 78.50 518 513 518 513 3.80 3.83 3.83 4.40 4.17 4.21 4.1 4.1 6.16 4.18 4.18 4.18 4.18 4.18 4.18 4.18 4.18 | | | | | Bottom | 6.0 | | 28.47 | | 30.29 | | 8.33 | | 70.17 | | 4.61 | 4.61 | | 2.80 | | | 2.67 | | | <1 | | | <1.6 | |
| Surface 10 28 90 28 94 30 67 30 48 82 5 82 5 79 70 78 87 518 510 510 510 4.0 4.0 4.7 4.0 4.7 4.0 4.7 4.0 4.7 4.0 4.7 4.0 4.7 4.0 4.7 4.0 4.7 4.0 4.7 4.0 4.7 4.0 4.7 4.0 4.7 4.7 4.0 4.7 4.0 4.7 4.7 4.0 4.7 4.7 4.0 4.7 4.7 4.0 4.7 4.7 4.0 4.7 4.7 4.0 4.7 4.7 4.0 4.7 4.7 4.0 4.7 4.7 4.0 4.7 4.7 4.0 4.7 4.7 4.0 4.7 4.7 4.7 4.0 4.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23-Sep-20 Sunny 10:02 Moderate Middle 3,6 28.88 30.91 30.95 Moderate Middle 3,6 28.88 30.91 30.95 Moderate Middle 3,6 28.88 30.91 30.95 Moderate Middle 3,6 28.89 30.91 30.91 30.91 Moderate Middle 3,6 28.89 30.91 30.91 30.91 Moderate Middle 3,6 28.89 30.91 30.91 30.91 Moderate Middle 3,6 28.89 30.91 30.91 30.91 Moderate Middle 3,8 28.89 30.91 30.91 Moderate Middle 3,8 28.89 30.91 30.91 Moderate Middle 3,8 28.89 30.91 30.91 Moderate Middle 3,8 28.89 30.91 30.91 Moderate Middle 3,8 28.89 30.91 30.91 Moderate Middle 3,8 28.89 30.91 30.91 Moderate Middle 3,8 28.99 30.91 30.91 Moderate Middle 3,8 28.99 30.91 30.91 Moderate Middle 3,8 28.99 30.90 30.91 Moderate Middle 3,8 28.99 30.90 30.91 Moderate Middle 3,8 28.99 30.90 30.91 Moderate Middle 3,8 28.99 30.90 30.91 Moderate Middle 3,8 28.99 30.90 30.91 Moderate Middle 3,8 28.99 30.90 30.91 Moderate Middle 3,8 28.99 30.90 30.91 Moderate Middle 3,8 28.9 | | | | | Surface | 1.0 | | 28.94 | | 30.48 | | 8.25 | | 78.87 | | 5.13 | | | 3.83 | ŀ | | 4.17 | | | <1 | | | <1.6 | |
| Summy 1002 Moderate Middle 3.6 28.88 30.95 30.94 5.25 8.25 78.40 78.40 5.07 78.40 5.07 4.00 4.00 4.00 3.00 3.40 3.43 3.57 4.1 4.27 3.40 3.40 3.43 3.57 4.1 4.27 3.40 3.40 3.40 3.40 4.20 | | | | | | | | | | | | | | | | | 5.11 | | | | | | | | | . | | | |
| Part | 23-San-20 | Suppy | 10:02 | Moderate | Middle | 3.6 | | 28 88 | | 30.04 | | 8 25 | | 78.40 | | 5 10 | | | 1.17 | 1 27 | | 3 43 | 3 57 | | _1 | _1 | | -16 | -16 |
| Bottom 6.0 28.89 28.8 39.92 | 23-3ep-20 | Suriny | 10.02 | Woderate | Wildule | 3.0 | | 20.00 | | 30.34 | | 0.20 | | 70.40 | | 3.10 | | | 4.47 | 4.21 | | 3.43 | 3.37 | | | \ 1 | | <1.0 | <1.0 |
| 28-Sep-20 Fine 18:27 Moderate Mode | | | | | | | | | | | | | | | | | | 4.40 | | | | | 1 | | | | | | |
| Surface 1. 29.27 | | | | | Bottom | 6.0 | | 28.89 | | 30.96 | | 8.25 | | 78.47 | | 5.09 | 5.09 | | 4.50 | | | 3.10 | | | <1 | | | <1.6 | |
| Surface 1.1 29.28 29.77 31.22 31.20 31.51 31.50 31.51 31.50 31.51 31.50 31.51 31.50 31.55 31.58 31.51 31.50 31.55 31.58 31.51 31.50 31.55 31.58 31.51 31.50 31.55 31.58 31.50 31.55 31.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | _ | | |
| 25-Sep-20 Fine 18:27 Moderate Middle 3.6 29.29 29.30 31.55 31.58 8.11 96.70 96.30 6.22 19.30 31.55 31.58 8.13 8.12 96.40 96.53 6.29 19.80 11.80 1.83 1.80 1.80 1.80 1.80 1.80 1.80 1.80 1.80 | | | | | Surface | 1.1 | | 29.27 | | 31.20 | | 8.12 | | 97.10 | | 6.25 | | | 1.77 | | | 3.33 | | | <1 | | | <1.6 | |
| 25-Sep-20 Fine 18:27 Moderate Middle 3.6 29.30 31.55 31.58 8.11 8.11 99.00 96.03 6.12 180 1.80 1.80 1.80 2.50 2.50 2.50 2.67 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 | | | | | | | | | | | | | | | - | | 6.23 | | | | | | | | | | | | |
| Part | 25-Sep-20 | Fine | 18.27 | Moderate | Middle | 3.6 | | 20.30 | | 31.58 | | 8 12 | | 06.63 | | 6 21 | | | 1 22 | 1 80 | | 2.50 | 2.67 | | _1 | _1 | | -16 | -16 |
| Bottom 6.2 29.29 | 25-5ep-20 | Tille | 10.27 | Woderate | Wildule | 3.0 | | 25.50 | | 31.30 | | 0.12 | | 30.03 | | 0.21 | | | 1.00 | 1.00 | | 2.50 | 2.07 | | | \ 1 | | <1.0 | <1.0 |
| Surface 1.0 29.28 31.56 8.11 95.60 6.15 18.0 2.20 5.16 5.50 5. | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| Surface 1.0 28.83 28.83 32.08 32.08 8.19 93.20 93.43 6.00 6.09 6.04 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 | | | | | Bottom | 6.2 | | 29.29 | | 31.65 | | 8.11 | | 95.30 | | 6.13 | 6.13 | | 1.80 | | | 2.17 | | | <1 | | | <1.6 | |
| Surface 1.0 28.83 28.83 32.08 32.0 | — | | | | | | | | | | _ | | | - | | | | | | | | | + | | | \vdash | | \longrightarrow | |
| 28-Sep-20 Fine 16:21 Moderate Fine 16:22 Moderate Fine 16:22 Moder | | | | | Surface | 1.0 | | 28.83 | | 32.08 | | 8.19 | | 93.43 | | 6.04 | | | 6.50 | ŀ | | 9.17 | | | <1 | | | <1.6 | |
| 28-Sep-20 Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:21 Moderate Fine 16:22 Moderate Fine 16:23 Moderate Fine 16:24 Moderate Fine Fine 16:24 Moderate Fine Fine 16:24 Moderate Fine Fine 16:25 Moderate Fine Fine 16:24 Moderate Fine Fine 16:25 Moderate Fine Fine 16:25 Moderate Fine Fine 16:25 Moderate Fine Fine 16:24 Moderate Fine Fine Fine Fine 16:24 Moderate Fine Fine Fine Fine Fine Fine Fine Fin | | | | | | | | | | | | | | | | | 6.04 | | | | | | | <1 | | | | | |
| Surface 16:52 Moderate Middle 3.8 28.99 28.99 28.99 28.99 31.32 31.31 7.94 7.95 7.50 7.40 5.17 5.33 5.24 5.17 5.53 5.25 | 00.0 00 | E1 | 40.04 | Madagas | N.C. L.D. | 0.0 | | 00.00 | | 00.00 | | 0.40 | | 00.70 | | 0.05 | 0.01 | | 0.57 | | | 40.00 | 40.00 | | | | | 4.0 | 4.0 |
| Bottom 6.0 28.83 28.83 28.83 28.83 32.00 32.00 8.12 8.17 97.50 94.70 6.05 6.00 6.57 11.30 10.97 | 28-Sep-20 | Fine | 16:21 | woderate | Middle | 3.6 | | 28.83 | | 32.08 | | 8.18 | | 93.70 | | 6.05 | | | 6.57 | 0.54 | | 10.03 | 10.06 | | <1 | <1 | | <1.6 | <1.6 |
| Bottom 6.0 28.83 28.83 32.10 32.09 8.12 8.17 97.50 94.70 6.30 6.12 6.12 6.12 6.50 6.57 10.90 10.97 10.97 10.70 10. | | | | | | | | | | | | | | | | | | | | ŀ | | | 1 | | | • | | | |
| 30-Sep-20 Fine 16:52 Moderate Fine 16:52 Moderate Fine 16:52 Moderate Fine Bottom 6.4 28.99 28.99 31.32 31.41 31.40 7.92 7.93 76.60 77.03 7.92 7.93 76.60 75.07 5.35 5.25 7.00 76.00 75.07 5.35 5.25 7.00 76.00 75.07 5.35 5.25 7.00 7.00 7.00 7.00 7.00 7.00 7.00 7.0 | | | | | Bottom | 6.0 | 28.83 | 28.83 | 32.10 | 32.09 | 8.12 | 8.17 | 97.50 | 94.70 | 6.30 | 6.12 | 6.12 | 6.50 | 6.57 | | 10.90 | 10.97 | | <1 | <1 | | <1.6 | <1.6 | |
| Surface 1.0 29.01 29.00 31.20 31.21 7.93 7.92 76.60 77.03 5.35 5.38 5.38 5.24 5.31 2.80 31.20 31.21 7.93 7.94 74.80 5.25 5.35 5.38 5.38 5.38 5.38 5.38 5.38 5.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-Sep-20 Fine 16:52 Moderate Middle 3.8 28.99 28.99 31.32 31.31 7.94 74.80 5.22 5.31 5.31 5.24 | | | | | Surface | 1.0 | | 29.00 | | 31.21 | | 7,92 | | 77.03 | | 5,38 | | | 2.87 | | | 3,93 | | | 1.00 | | | <1.6 | . |
| 30-Sep-20 Fine 16:52 Moderate Middle 3.8 28.99 28.99 31.31 7.92 7.93 76.60 75.17 5.33 5.24 3.10 3.03 3.06 5.80 5.83 5.72 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0 | | | | | 54400 | | | 20.00 | | JZ1 | | | | | | 0.00 | E 24 | | | ŀ | | 3.30 | | | | | | 0 | . |
| 28.98 31.30 7.93 74.10 5.17 2.90 5.90 1.00 <1.6 | | | | | | | 28.99 | | 31.31 | | 7.94 | | 74.80 | | 5.22 | | 5.31 | 3.10 | | | 5.80 | | 1 | 1.00 | | † | <1.6 | | . |
| Bottom 6.4 28.99 29.00 31.41 31.40 7.92 7.93 76.90 75.27 5.35 5.25 5.25 3.30 3.27 7.50 7.40 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 | 30-Sep-20 | Fine | 16:52 | Moderate | Middle | 3.8 | | 28.99 | | 31.31 | | 7.93 | | 75.17 | | 5.24 | | | 3.03 | 3.06 | | 5.83 | 5.72 | | 1.00 | 1.00 | | <1.6 | <1.6 |
| Bottom 6.4 28.99 29.00 31.41 31.40 7.92 7.93 76.90 75.27 5.35 5.25 5.25 3.30 3.27 7.50 7.40 <1 <1 <1 <1.6 <1.6 | | | | | | | | | | | | | | | | | | | | - | | | 1 | | | | | | |
| 29.00 31.40 7.91 74.90 5.23 3.20 7.40 <1 <1.6 | | | | | Bottom | 6.4 | 28.99 | 29.00 | 31.41 | 31.40 | 7.92 | 7.93 | 76.90 | 75.27 | 5.35 | 5.25 | 5.25 | 3.30 | 3.27 | | 7.50 | 7.40 | | <1 | <1 | | <1.6 | <1.6 | . |
| | | | | | | | 29.00 | | 31.40 | | 7.91 | <u> </u> | 74.90 | <u> </u> | 5.23 | | | 3.20 | | | 7.40 | | 1 | <1 | | | <1.6 | | |

| Water Quality | Monitorina Re | sults at IS2 | - Mid-Flood T | ide | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---------------|--------------|---------------|----------|-----|-------------------------|------------|----------------|-----------|--------------|---------|----------------|------------|--------------|-----------|------|--------------|--------------|------|---------------|----------------|------|-------------|--------------|------|--------------|----------|------|
| Date | Weather | Sampling | Sea | Depth | (m) | | rature(°C) | | nity(ppt) | | ρΗ | | ration (%) | | ed Oxygen | | | rbidity (NTL | | | nded Solids (m | | Co | opper (µg/L) | 1 | | l PAH (μ | |
| | Condition | Time | Condition | | | 28.68 | Average | Value 30.02 | Average | 7.42 | Average | Value 84.20 | Average | 5.79 | Average | DA | 6.80 | Average | DA | Value 3.00 | Average | DA | Value <1 | Average | DA | <1.6 | Average | DA |
| | | | | Surface | 1.0 | 28.68 28.68 | 28.68 | 29.97 29.98 | 29.99 | 7.41 7.42 | 7.42 | 85.10 85.50 | 84.93 | 5.84 5.88 | 5.84 | | 6.60 | 6.70 | | 2.60 2.70 | 2.77 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | ı |
| 5-Oct-20 | Rainy | 7:39 | Moderate | Middle | 3.6 | 28.69 28.71 | 28.70 | 30.34 30.28 | 30.30 | 7.43 7.43 | 7.43 | 77.40 76.10 | 76.73 | 5.34 5.27 | 5.30 | 5.57 | 7.70 7.40 | 7.60 | 7.42 | 3.00 2.60 | 2.83 | 2.80 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| 5-001-20 | Railly | 7.39 | Wioderate | ivildule | 3.0 | 28.69 | 28.70 | 30.29 | 30.30 | 7.42 | 7.43 | 76.70 | 70.73 | 5.29 | 5.30 | | 7.70 | 7.00 | 7.42 | 2.90 | 2.03 | 2.00 | <1 | - ~1 | ~ 1 | <1.6 | <1.0 | <1.0 |
| | | | | Bottom | 6.2 | 28.71 28.71 | 28.71 | 31.50 31.47 | 31.46 | 7.48 7.48 | 7.49 | 73.50 74.10 | 74.03 | 5.18 5.21 | 5.21 | 5.21 | 8.00 7.80 | 7.97 | | 2.70 | 2.80 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | ı |
| | | | | | | 28.72 | | 31.41 32.01 | | 7.50 8.13 | | 74.50 87.90 | | 5.25 5.72 | | | 8.10 | | | 2.80 4.50 | | | <1 <1 | | | <1.6 <1.6 | | |
| | | | | Surface | 1.1 | 28.37 28.40 | 28.39 | 32.02 | 32.01 | 8.13 | 8.13 | 87.80 | 87.93 | 5.71 | 5.72 | | 2.20 | 2.20 | | 4.70 | 4.57 | | <1 | <1 | | <1.6 | <1.6 | ı |
| | | | | | | 28.39 28.50 | | 32.00 32.23 | | 8.14 8.13 | | 88.10 87.70 | | 5.74 5.69 | | 5.71 | 2.10 | | - | 4.50 3.90 | | | <1 <1 | | | <1.6 <1.6 | | ı |
| 7-Oct-20 | Cloudy | 8:56 | Moderate | Middle | 3.6 | 28.52 28.49 | 28.50 | 32.25 32.23 | 32.24 | 8.13 8.12 | 8.13 | 87.60 87.80 | 87.70 | 5.68 5.70 | 5.69 | | 2.90 2.70 | 2.80 | 2.86 | 3.60 3.70 | 3.73 | 4.16 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 6.2 | 28.57 28.54 | 28.56 | 32.37 32.35 | 32.37 | 8.12 8.12 | 8.12 | 87.80 87.70 | 87.77 | 5.69 5.69 | 5.69 | 5.69 | 3.50 3.60 | 3.57 | | 4.00 4.40 | 4.17 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | ı |
| | | | | | | 28.56 | | 32.38 | | 8.13 | | 87.80 | | 5.69 | | | 3.60 | | | 4.10 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.1 | 27.92 27.92 | 27.92 | 31.86 31.86 | 31.86 | 8.13 8.16 | 8.15 | 91.70 91.60 | 91.60 | 5.90 5.89 | 5.89 | | 6.10 6.10 | 6.10 | | 4.30 4.50 | 4.47 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | ı |
| | | | | | | 27.92 27.92 | | 31.86 31.86 | | 8.15 8.12 | | 91.50 91.70 | | 5.89 5.90 | | 5.89 | 6.10 6.10 | | | 4.60 4.40 | | | 1.00 | | | <1.6 <1.6 | | ı |
| 10-Oct-20 | Sunny | 17:02 | Moderate | Middle | 3.6 | 27.92 27.92 | 27.92 | 31.85 31.86 | 31.86 | 8.15 8.14 | 8.14 | 91.40 91.40 | 91.50 | 5.88 5.88 | 5.89 | | 6.20 | 6.17 | 6.14 | 4.50 4.70 | 4.53 | 4.69 | <1 <1 | <1 | 1.00 | <1.6 | <1.6 | <1.6 |
| | | | | Б | | 27.92 | 07.00 | 31.86 | 04.00 | 8.14 | 0.40 | 91.40 | 04.40 | 5.88 | F 00 | 5.00 | 6.20 | 0.47 | | 5.10 | 5.07 | | 1.00 | 4.00 | • | <1.6 | | ı |
| | | | | Bottom | 6.2 | 27.92 27.92 | 27.92 | 31.86 31.85 | 31.86 | 8.08 8.16 | 8.13 | 91.60 91.30 | 91.43 | 5.89 5.87 | 5.88 | 5.88 | 6.10 6.20 | 6.17 | | 4.80 5.30 | 5.07 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | ı |
| | | | | Surface | 1.0 | 26.25 26.27 | 26.25 | 34.92 34.91 | 34.92 | 7.91 7.91 | 7.91 | 98.00 97.30 | 97.50 | 6.50 6.45 | 6.47 | | 2.30 | 2.30 | | 3.00 2.70 | 2.83 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 26.23 26.19 | | 34.92 34.93 | | 7.90 7.92 | | 97.20 98.50 | | 6.45 6.54 | | 6.47 | 2.30 | | - | 2.80 3.40 | | | 2.00 | | . | <1.6 <1.6 | | ı |
| 12-Oct-20 | Sunny | 16:26 | Moderate | Middle | 3.6 | 26.20 | 26.20 | 34.93 | 34.93 | 7.91 | 7.91 | 97.20 | 97.47 | 6.46 | 6.47 | | 2.30 | 2.27 | 2.28 | 3.30 | 3.27 | 3.28 | 2.00 | 2.00 | 2.00 | <1.6 | <1.6 | <1.6 |
| | | | | | | 26.20 26.22 | | 34.93 34.91 | | 7.90 7.90 | | 96.70 97.20 | | 6.42 6.45 | | | 2.20 | | | 3.10 3.80 | | | 2.00 | | | <1.6 <1.6 | | ı |
| | | | | Bottom | 6.1 | 26.20 26.18 | 26.20 | 34.92 34.92 | 34.92 | 7.91 7.92 | 7.91 | 97.70 99.70 | 98.20 | 6.49 | 6.52 | 6.52 | 2.30 | 2.27 | | 3.50 | 3.73 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | ı |
| | | | | Surface | 1.0 | 25.18 25.17 | 25.18 | 34.88 34.87 | 34.87 | 7.92 7.92 | 7.92 | 95.50 96.30 | 95.80 | 6.45 6.51 | 6.47 | | 4.00 3.90 | 3.90 | | 6.90 6.80 | 6.93 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | 1 |
| | | | | | | 25.18 | | 34.86 34.87 | | 7.92 | | 95.60 | | 6.46 | | 6.48 | 3.80 | | | 7.10 | | | 2.00 | | . | <1.6 | | ı |
| 14-Oct-20 | Fine | 15:45 | Moderate | Middle | 3.7 | 25.18 25.17 | 25.18 | 34.87 | 34.87 | 7.92 7.92 | 7.92 | 95.20 96.90 | 95.90 | 6.55 | 6.48 | | 4.40 4.10 | 4.27 | 4.19 | 7.50 7.00 | 7.23 | 7.42 | 2.00 | 2.00 | 2.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 25.18 25.18 | | 34.87 34.87 | | 7.92 7.92 | | 95.60 97.80 | | 6.46 6.61 | | | 4.30 4.40 | | | 7.20 7.90 | | | 2.00 | | . | <1.6 <1.6 | | ı |
| | | | | Bottom | 6.3 | 25.18 25.18 | 25.18 | 34.88 | 34.88 | 7.92 | 7.92 | 95.40 95.90 | 96.37 | 6.45 | 6.51 | 6.51 | 4.60 | 4.40 | | 8.30 8.10 | 8.10 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | l |
| | | | | Surface | 1.0 | 25.27 | 25.28 | 34.83 34.82 | 34.82 | 8.16 8.17 | 8.16 | 90.20 90.90 | 90.53 | 6.09 6.13 | 6.11 | | 3.60 3.50 | 3.50 | | 4.30 4.40 | 4.43 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Ouriace | 1.0 | 25.28 25.28 | 25.20 | 34.82 | 34.02 | 8.16 | 0.10 | 90.50 | 30.33 | 6.11 | 0.11 | 6.09 | 3.40 | 3.30 | | 4.60 | 7.7 | | <1 | ` ' | . | <1.6 | <1.0 | l |
| 16-Oct-20 | Sunny | 17:12 | Moderate | Middle | 3.6 | 25.23 25.24 | 25.24 | 34.83 34.83 | 34.83 | 8.16 8.16 | 8.16 | 89.70 90.10 | 90.03 | 6.06 | 6.08 | | 4.00 | 3.97 | 3.96 | 5.10 5.40 | 5.23 | 5.29 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 25.24 25.21 | | 34.83 34.84 | | 8.17 8.17 | | 90.30 89.90 | | 6.09 6.07 | | | 3.90 4.50 | | | 5.20 6.20 | | | <1 <1 | | . | <1.6 <1.6 | | ı |
| | | | | Bottom | 6.2 | 25.20 25.21 | 25.21 | 34.84 34.83 | 34.84 | 8.16 8.17 | 8.17 | 89.60 89.90 | 89.80 | 6.06 6.07 | 6.07 | 6.07 | 4.40 4.30 | 4.40 | | 6.00 6.40 | 6.20 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | ı |
| | | | | Curtons | 4.0 | 24.69 | 24.00 | 35.15 | 25.45 | 7.99 | 7.00 | 88.90 | 00.00 | 6.05 | 6.04 | | 3.60 | 2.52 | | 2.90 | 0.77 | | <1 | .4 | | <1.6 | .4.0 | |
| | | | | Surface | 1.0 | 24.70 24.69 | 24.69 | 35.15 35.16 | 35.15 | 7.99 8.00 | 7.99 | 88.80 88.70 | 88.80 | 6.04 | 6.04 | 6.03 | 3.50 3.50 | 3.53 | | 2.80 2.60 | 2.77 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | ı |
| 19-Oct-20 | Cloudy | 7:43 | Moderate | Middle | 3.6 | 24.72 24.72 | 24.73 | 35.17 35.16 | 35.17 | 8.00 7.99 | 7.99 | 88.40 88.60 | 88.50 | 6.01 | 6.02 | 0.00 | 3.60 | 3.60 | 3.66 | 4.00 3.90 | 4.03 | 4.28 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 24.74 24.72 | | 35.19 35.19 | | 7.99 7.99 | | 88.50 88.80 | | 6.01 6.04 | | | 3.60 3.80 | | | 4.20 6.00 | | | <1 <1 | | | <1.6 <1.6 | | ı |
| | | | | Bottom | 6.2 | 24.70 | 24.71 | 35.17 35.17 | 35.18 | 7.99 | 7.99 | 89.10 88.80 | 88.90 | 6.06 | 6.05 | 6.05 | 3.90 | 3.83 | | 6.20 | 6.03 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | ı |
| | | | | 0 (| 4.0 | 24.32 | 0400 | 35.07 | 05.00 | 8.15 | 0.45 | 89.40 | 00.70 | 6.12 | 0.44 | | 3.80 2.40 | 0.47 | | 5.90 3.00 | 0.00 | | <1 | | | <1.6 | 4.0 | |
| | | | | Surface | 1.0 | 24.29 24.30 | 24.30 | 35.11 35.10 | 35.09 | 8.15 8.14 | 8.15 | 89.40 90.30 | 89.70 | 6.13 6.18 | 6.14 | 6.14 | 2.50 2.50 | 2.47 | | 2.90 3.20 | 3.03 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | ı |
| 21-Oct-20 | Sunny | 9:06 | Moderate | Middle | 3.6 | 24.28 24.28 | 24.28 | 35.13 35.15 | 35.14 | 8.15 8.14 | 8.14 | 89.10 90.40 | 89.50 | 6.11 6.19 | 6.13 | 0.14 | 2.60 | 2.60 | 2.56 | 4.10 4.00 | 3.90 | 3.79 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 24.28 24.27 | | 35.14 35.16 | | 8.14 8.14 | | 89.00 91.80 | | 6.10 6.29 | | | 2.60 2.60 | | | 3.60 4.20 | | | <1 <1 | | . | <1.6 <1.6 | | ı |
| | | | | Bottom | 6.1 | 24.28 | 24.28 | 35.12 35.14 | 35.14 | 8.15 8.15 | 8.15 | 89.10 89.30 | 90.07 | 6.11 | 6.17 | 6.17 | 2.60 | 2.60 | | 4.70 | 4.43 | | <1 | <1 | | <1.6 | <1.6 | ı |
| | | | | | | - | | - | | - | | - | | - | | | - | | | - | | | - | | | - | | |
| | | | | Surface | - | - | - | - | - | - | - | - | - | - | - | _ | - | - | _ | - | - | _ | - | - | | - | - | 1 . |
| 23-Oct-20 ² | _ | _ | _ | Middle | | - | - | - | | | _ | - | | - | _ | _ | - | | | - | | _ | - | - | _ | | | Ī |
| 20 00. 20 | | | | | | - | | - | | - | | - | | - | | | - | | | - | | | - | | | - | | ı — |
| | | | | Bottom | - | | - | - | - | - | - | - | - | - | - | - | | - | - | - | - | - | | - | - | - | - | - |
| | | | | | | 22.83 | | 35.56 | | 7.97 | | 96.00 | | 6.73 | | | 2.80 | | | 3.00 | | | - | | | - | | |
| | | | | Surface | 1.1 | 22.83 22.83 | 22.83 | 35.56 35.55 | 35.56 | 8.00 7.99 | 7.99 | 96.80 96.20 | 96.33 | 6.79 6.75 | 6.76 | 0.75 | 2.70 | 2.77 | | 3.10 2.90 | 3.00 | | - | | | | | ı |
| 28-Oct-20 | Rainy | 16:31 | Moderate | Middle | 3.7 | 22.84 22.84 | 22.84 | 35.56 35.55 | 35.55 | 7.97 7.97 | 7.98 | 96.20 96.10 | 96.20 | 6.74 6.74 | 6.74 | 6.75 | 3.20 3.20 | 3.17 | 3.02 | 3.60 3.20 | 3.37 | 3.43 | | | | | | ı |
| | | . 5.5. | | 3010 | J., | 22.83 | | 35.55 | 23.00 | 7.99 | | 96.30 | -5.20 | 6.75 | | | 3.10 | | | 3.30 | 2.07 | 20 | | | . | | | l |
| | | | | Bottom | 6.2 | 22.84 22.83 | 22.83 | 35.55 35.55 | 35.55 | 7.98 8.00 | 7.98 | 95.80 96.40 | 96.07 | 6.71 6.76 | 6.73 | 6.73 | 3.20 | 3.13 | | 3.80 3.90 | 3.93 | | | | | | | İ |
| | | | | | | 22.83 22.80 | | 35.56 35.55 | | 7.97 7.94 | | 96.00 90.20 | | 6.73 6.32 | | | 3.10 1.70 | | | 4.10 3.90 | | | | | - | | | |
| | | | | Surface | 1.1 | 22.81 22.81 | 22.81 | 35.55 35.55 | 35.55 | 7.95 7.96 | 7.95 | 90.10 90.40 | 90.23 | 6.32 6.34 | 6.33 | 6.00 | 1.60 1.80 | 1.70 | | 3.30 2.90 | 3.37 | | | - | | | | l |
| 30-Oct-20 | Cloudy | 16:49 | Moderate | Middle | 3.6 | 22.80 | 22.80 | 35.56 35.55 | 35.56 | 7.95 7.96 | 7.95 | 89.90 90.10 | 90.03 | 6.30 | 6.31 | 6.32 | 1.80 | 1.77 | 1.78 | 3.00 | 3.00 | 3.29 | | | | | | ı |
| 22 20. 20 | | . 5.40 | | 3010 | 5.0 | 22.80 | | 35.56 | 23.00 | 7.94 | | 90.10 | 23.00 | 6.32 | 2.51 | | 1.80 | | | 3.00 | 2.00 | | | | . | | | ı |
| | | | | Bottom | 6.2 | 22.79 22.79 22.79 | 22.79 | 35.56 35.56 | 35.56 | 7.96 7.94 | 7.96 | 89.70 89.70 | 89.77 | 6.29 6.29 | 6.30 | 6.30 | 1.80 1.90 | 1.87 | | 3.20 3.80 | 3.50 | | | | | | | ı |
| Note: | | | | | | 22.79 | l | 35.56 | | 7.97 | | 89.90 | | 6.31 | | | 1.90 | | 1 | 3.50 | | | <u> </u> | | | | | |

Note:

- 1. Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

 2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

Water Quality Monitoring Results at IS3 - Mid-Ebb Tide

| Water Quality | Monitoring Res | sults at IS3 - | Mid-Ebb Tid | e | | | | | | | 16 | ar. | | | | | | | | | | | | | |
|---------------|----------------|----------------|-------------|---------------|-------|-------------------------|----------------|----------|--------------|---------|-------------------------|--------------|-----------|------|----------------------|-------|--------------|------------|---|----------|-------------------|------|--------------|---------------|------|
| Date | Weather | Sampling | Sea | Depth | n (m) | Temperature(°C) | | ity(ppt) | | Н | DO Saturation (%) | | ed Oxyger | | Turbidity (I | | | ded Solids | | | er (µg/L) | | | PAH (µg/ | _ |
| | Condition | Time | Condition | | ` ' | Value Average | Value | Average | | Average | Value Average | Value | Average | DA | | je DA | Value | Average | DA | Value Av | erage | DA | Value A | verage | DA |
| | | | | | | 25.10 | 33.43 | | 8.08 | | 90.30 | 6.19 | | | 1.90 | | 1.40 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.0 | 25.09 25.11 | 33.44 | 33.41 | 8.09 | 8.08 | 94.80 92.73 | 6.46 | 6.34 | | 2.00 1.97 | | 1.30 | 1.30 | | | 1.00 | | | <1.6 | |
| | | | | | | 25.15 | 33.37 | | 8.08 | | 93.10 | 6.38 | | 6.19 | 2.00 | | 1.20 | | | <1 | | | <1.6 | | |
| 44 Con 20 | Fine | 5.40 | Madazata | N C -1 -11 - | 0.0 | 24.57 | 34.27 | 04.00 | 8.12 | 0.44 | 88.50 | 6.05 | 0.00 | | 2.40 | 2.20 | 1.70 | 4 77 | 4.70 | <1 | 4.00 | 1 00 | <1.6 | 4.0 | .1.0 |
| 11-Sep-20 | Fine | 5:49 | Moderate | Middle | 8.6 | 24.53 24.56 | 34.29 | 34.22 | 8.11 | 8.11 | 89.30 88.13 | 6.12 | 6.03 | | 2.40 2.37 | 2.29 | 1.80 | 1.77 | 1.76 | | 1.00 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 24.59 24.55 | 34.10 34.30 | | 8.09 8.11 | | 86.60 79.90 | 5.91 5.47 | | | 2.30 | | 1.80 2.10 | | | 1.00 | | - | <1.6 | | |
| | | | | Bottom | 16.3 | 24.55 24.55 | 34.30 | 34.26 | 8.11 | 8.10 | 77.80 77.93 | 5.47 | 5.30 | 5.30 | 2.40 2.53 | | 2.10 | 2.20 | | | 1.00 | | | <1.6 | |
| | | | | Dolloin | 10.5 | 24.54 | 34.19 | 34.20 | 8.09 | 0.10 | 76.10 | 5.19 | 3.30 | 3.30 | 2.50 | | 2.20 | 2.20 | | <1 | 1.00 | | <1.6 | <1.0 | |
| | | | | | | 27.60 | 31.27 | | 8.16 | | 80.60 | 5.34 | | | 2.50 | | 2.30 | | 1 | 2.00 | + | | <1.6 | + | |
| | | | | Surface | 1.0 | 27.59 27.61 | 31.28 | 31.26 | 8.16 | 8.16 | 77.50 79.63 | 5.17 | 5.29 | | 2.60 2.53 | | 2.50 | 2.33 | | | 2.33 | - | | <1.6 | |
| | | | | | | 27.64 | 31.23 | | 8.15 | | 80.80 | 5.35 | | | 2.50 | | 2.20 | | | 2.00 | | | <1.6 | | |
| | | | | | | 26.74 | 32.49 | | 8.19 | | 75.10 | 5.01 | | 5.16 | 2.60 | | 2.80 | | | 2.00 | | | <1.6 | | |
| 14-Sep-20 | Cloudy | 8:56 | Moderate | Middle | 8.0 | 26.72 26.76 | 32.51 | 32.46 | 8.18 | 8.18 | 76.60 75.57 | 5.07 | 5.03 | | 2.50 2.53 | 2.53 | 2.90 | 2.77 | 2.92 | | 2.33 | 2.22 | | <1.6 | <1.6 |
| | - | | | | | 26.82 | 32.39 | | 8.17 | | 75.00 | 5.00 | | | 2.50 | | 2.60 | | | 2.00 | | | <1.6 | | |
| | | | | | | 26.80 | 32.42 | | 8.17 | | 69.20 | 4.61 | | | 2.50 | | 3.70 | | | 2.00 | | | <1.6 | | |
| | | | | Bottom | 15.0 | 26.68 26.76 | 32.57 | 32.48 | 8.18 | 8.18 | 67.50 68.87 | 4.51 | 4.60 | 4.60 | 2.60 2.53 | | 3.80 | 3.67 | | 2.00 2 | 2.00 | | <1.6 | <1.6 | |
| | | | | | | 26.79 | 32.44 | | 8.18 | | 69.90 | 4.67 | | | 2.50 | | 3.50 | | | 2.00 | | | <1.6 | | |
| | | | | | | 27.86 | 31.14 | | 8.20 | | 79.40 | 5.58 | | | 3.10 | | 3.10 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.0 | 27.94 27.87 | 31.12 | 31.13 | 8.20 | 8.20 | 79.90 79.57 | 5.60 | 5.58 | | 3.50 3.30 | | 3.20 | 3.23 | | | <1 | | | <1.6 | |
| | | | | | | 27.80 | 31.14 | | 8.20 | | 79.40 | 5.57 | | 5.56 | 3.30 | | 3.40 | | | <1 | | | <1.6 | | |
| | _ | | | | | 27.78 | 31.20 | | 8.20 | | 78.80 | 5.54 | | | 3.10 | | 3.70 | | | <1 | | | <1.6 | | |
| 16-Sep-20 | Sunny | 10:25 | Moderate | Middle | 9.1 | 27.75 27.76 | 31.20 | 31.20 | 8.19 | 8.20 | 78.70 78.73 | 5.53 | 5.53 | | 3.20 3.23 | 3.48 | 4.00 | 3.87 | 3.73 | | 1.00 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 27.75 | 31.20 | | 8.21 | | 78.70 | 5.53 | | | 3.40 | | 3.90 | | - | <1 | | _ | <1.6 | | |
| | | | | Bottom | 17.1 | 27.74 | 31.20 | 21 20 | 8.21 | 0.20 | 78.70 79.10 78.87 | 5.53 | 5.54 | 5.54 | 3.90 4.00 3.90 | | 4.10 | 4.10 | | <1 | <1 | - | <1.6 | <1.6 | |
| | | | | DOLLOITI | 17.1 | 27.77 27.75 27.75 | 31.20 | 31.20 | 8.20 8.19 | 8.20 | | 5.55 5.54 | 5.54 | 3.34 | 4.00 3.90 3.80 | | 4.30 3.90 | 4.10 | | | <1 | | <1.6 | <1.0 | |
| - | | | | | | 28.03 | 31.21 30.69 | | 8.08 | | 78.80 81.30 | 5.66 | | | 2.60 | | 3.60 | | - | <1 | + | | <1.6 | + | |
| | | | | Surface | 1.0 | 28.03 28.03 | 30.70 | 30.70 | 8.08 | 8.08 | 81.00 81.13 | 5.64 | 5.65 | | 2.50 2.53 | | 3.40 | 3.63 | | <1 <1 | <1 | | | <1.6 | |
| | | | | Canaco | | 28.03 | 30.71 | 00.10 | 8.07 | 0.00 | 81.10 | 5.64 | 0.00 | | 2.50 | | 3.90 | 0.00 | | <1 | ٠. | - | <1.6 | 41.0 | |
| | | | | | | 28.08 | 30.89 | | 8.07 | | 80.50 | 5.61 | | 5.63 | 2.60 | | 4.60 | | | <1 | | | <1.6 | | |
| 18-Sep-20 | Fine | 11:58 | Moderate | Middle | 8.9 | 28.08 28.08 | 30.91 | 30.90 | 8.07 | 8.07 | 80.40 80.50 | 5.60 | 5.61 | | 2.90 2.73 | 2.76 | 4.30 | 4.37 | 4.37 | | <1 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 28.08 | 30.90 | | 8.06 | | 80.60 | 5.61 | | | 2.70 | | 4.20 | | | <1 | | | <1.6 | | |
| | | | | | | 28.08 | 30.88 | | 8.07 | | 80.50 | 5.61 | | | 3.00 | | 5.10 | | | 1.00 | | | <1.6 | | |
| | | | | Bottom | 16.8 | 28.07 28.08 | 30.88 | 30.88 | 8.08 | 8.07 | 80.90 80.77 | 5.63 | 5.62 | 5.62 | 3.00 3.00 | | 4.90 | 5.10 | | | 1.00 | | | <1.6 | |
| | | | | | | 28.08 | 30.89 | | 8.06 | | 80.90 | 5.63 | | | 3.00 | | 5.30 | | | 1.00 | | | <1.6 | | |
| | | | | Curtons | 4.4 | 28.50 | 30.10 | 20.00 | 8.36 | 0.25 | 71.40 | 4.69 | 4.00 | | 5.30 | | 3.20 | 2.47 | | <1 | .4 | _ | <1.6 | .4.0 | |
| | | | | Surface | 1.1 | 28.50 28.50 28.50 | 30.24 | 30.09 | 8.35 | 8.35 | 71.70 71.40 | 4.71 | 4.69 | | 5.00 5.07 | | 3.40 2.90 | 3.17 | | | <1 | - | | <1.6 | |
| | | | | | | 28.59 | 29.94 30.75 | | 8.35 8.34 | | 71.10 71.50 | 4.67 4.67 | | 4.68 | 4.90 5.10 | _ | 3.90 | | | <1 | | | <1.6 | | |
| 21-Sep-20 | Cloudy | 2:12 | Moderate | Middle | 8.5 | 28.59 28.59 | 30.74 | 30.75 | 8.35 | 8.34 | 71.00 71.43 | 4.64 | 4.67 | | 5.20 5.17 | 5.12 | 3.70 | 3.73 | 3.92 | | <1 | <1 | | <1.6 | <1.6 |
| | , | | | | | 28.60 | 30.75 | | 8.34 | | 71.80 | 4.69 | | | 5.20 | | 3.60 | | | <1 | | | <1.6 | | |
| | | | | | | 28.57 | 30.76 | | 8.35 | | 71.80 | 4.69 | | | 5.10 | | 4.90 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 16.0 | 28.58 28.58 | 30.72 | 30.73 | 8.35 | 8.35 | 70.90 71.40 | 4.63 | 4.66 | 4.66 | 5.20 5.13 | | 4.60 | 4.87 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.58 | 30.72 | | 8.34 | | 71.50 | 4.67 | | | 5.10 | | 5.10 | | | <1 | | | <1.6 | | |
| | | | | | | 29.05 | 30.69 | | 8.31 | | 80.10 | 5.20 | | | 3.50 | | 2.70 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.0 | 29.08 29.04 | 30.62 | 30.71 | 8.31 | 8.31 | 80.50 80.20 | 5.22 | 5.20 | | 3.50 3.53 | | 2.50 | 2.67 | | | <1 | | | <1.6 | |
| | | | | | | 28.99 | 30.83 | | 8.31 | | 80.00 | 5.19 | | 5.20 | 3.60 | | 2.80 | | | <1 | | | <1.6 | | |
| 22 Can 20 | Fine | 2.22 | Madazata | N 4: al all a | 0.4 | 28.93 | 31.11 | 24.00 | 8.32 | 0.24 | 80.30 | 5.21 | F 40 | | 4.20 | 4.00 | 2.80 | 0.77 | 2.04 | <1 | .4 | | <1.6 | .1.0 | .1.0 |
| 23-Sep-20 | Fine | 3:23 | Moderate | Middle | 8.4 | 28.92 28.93 | 31.07 31.07 | 31.08 | 8.31 8.31 | 8.31 | 79.60 79.93 79.90 | 5.17 5.18 | 5.19 | | 4.20 4.17 4.10 | 4.03 | 2.90 2.60 | 2.77 | 2.91 | <1 <1 | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.93 | 31.13 | | 8.31 | | 79.60 | 5.16 | | | 4.50 | | 3.30 | | | <1 | | - | <1.6 | | |
| | | | | Bottom | 15.9 | 28.95 28.93 | 31.05 | 31.11 | 8.30 | 8.31 | 79.30 79.60 | 5.14 | 5.16 | 5.16 | 4.50 4.40 | | 3.40 | 3.30 | | | <1 | | | <1.6 | |
| | | | | Bottom | | 28.92 | 31.14 | 0 | 8.31 | 0.01 | 79.90 | 5.18 | 00 | 0.10 | 4.20 | | 3.20 | 0.00 | | <1 | ٠. | | <1.6 | 41.0 | |
| | | | | | | 29.26 | 31.23 | | 8.03 | | 96.60 | 6.22 | | | 3.50 | | 1.90 | | | <1 | | | <1.6 | - | |
| | | | | Surface | 1.1 | 29.26 29.26 | 31.25 | 31.24 | 8.04 | 8.05 | 97.50 97.03 | 6.27 | 6.24 | | 3.40 3.50 | | 2.10 | 2.00 | | | <1 | | | <1.6 | |
| | | | | | | 29.26 | 31.24 | | 8.07 | | 97.00 | 6.23 | | 6.23 | 3.60 | | 2.00 | | 1 | <1 | | | <1.6 | | |
| | | | | | | 29.29 | 31.48 | | 8.04 | | 96.90 | 6.24 | | 0.23 | 3.80 | | 2.30 | | 1 | <1 | | | <1.6 | | |
| 25-Sep-20 | Fine | 6:16 | Moderate | Middle | 8.0 | 29.29 29.29 | 31.48 | 31.50 | 8.02 | 8.04 | 96.40 96.57 | 6.21 | 6.22 | | 3.80 3.80 | 3.71 | 2.20 | 2.23 | 2.40 | | <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 29.29 | 31.54 | | 8.05 | | 96.40 | 6.21 | | | 3.80 | | 2.20 | | | <1 | | | <1.6 | | |
| | | | | | | 29.28 | 31.52 | | 8.04 | | 95.30 | 6.13 | | | 3.80 | | 2.80 | | | <1 | . | | <1.6 | | |
| | | | | Bottom | 15.0 | 29.28 29.28 | 31.51 | 31.52 | 8.02 | 8.03 | 93.70 94.77 | 6.03 | 6.10 | 6.10 | 3.90 3.83 | | 2.90 | 2.97 | | | <1 | _ | | <1.6 | |
| | | | | | | 29.28 | 31.52 | | 8.03 | | 95.30 | 6.13 | | | 3.80 | | 3.20 | | | <1 | \longrightarrow | | <1.6 | \rightarrow | |
| | | | | Surface | 1.0 | 28.94 28.95 28.93 | 32.08 | 32.08 | 8.19 | 8.13 | 92.80 93.20 93.73 | 5.99 | 6.05 | | 4.60 4.60 4.67 | | 4.00 | 4.23 | | <1 | _1 | - | <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 28.95 28.93 28.90 | 32.06 32.10 | 32.00 | 8.13 8.06 | 0.13 | 93.20 93.73 95.20 | 6.01 | 0.03 | | 4.60 4.80 | | 4.40 | 4.23 | | <1 | <1 | | <1.6 <1.6 | <1.0 | |
| | | | | | | 28.93 | 32.16 | | 8.05 | | 96.10 | 6.20 | | 6.06 | 4.60 | _ | 5.70 | | | <1 | | | <1.6 | | |
| 28-Sep-20 | Cloudy | 9:10 | Moderate | Middle | 8.1 | 28.93 28.93 | 32.18 | 32.17 | 8.16 | 8.11 | 92.80 94.10 | 5.98 | 6.07 | | 4.60 4.60 | 4.61 | 5.40 | 5.50 | 5.41 | | <1 | <1 | | <1.6 | <1.6 |
| | , | | | | | 28.93 | 32.17 | | 8.11 | | 93.40 | 6.02 | | | 4.60 | | 5.40 | | • | <1 | | - | <1.6 | | |
| | | | | | | 28.94 | 32.21 | | 8.14 | | 92.40 | 5.95 | | | 4.50 | | 6.70 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 15.0 | 28.95 28.94 | 32.23 | 32.22 | 8.09 | 8.09 | 93.30 94.73 | 6.01 | 6.10 | 6.10 | 4.60 4.57 | | 6.30 | 6.50 | | | <1 | | | <1.6 | |
| | | | | | | 28.94 | 32.22 | | 8.03 | | 98.50 | 6.35 | 1 | | 4.60 | | 6.50 | | | <1 | | | <1.6 | | |
| | | | | | | 28.89 | 31.63 | | 7.87 | | 76.50 | 5.34 | | | 3.50 | İ | 4.20 | | | <1 | - | İ | <1.6 | | |
| | | | | Surface | 1.0 | 28.89 28.89 | 31.66 | 31.65 | 7.87 | 7.87 | 76.50 76.37 | 5.34 | 5.33 | | 3.50 3.47 | | 4.00 | 4.13 | | | <1 | | | <1.6 | |
| | | | | | | 28.89 | 31.65 | | 7.86 | | 76.10 | 5.31 | | 5.30 | 3.40 | | 4.20 | | 1 | <1 | | | <1.6 | | |
| 1 | _ | | l | | | 28.88 | 31.68 | | 7.86 | _ | 75.40 | 5.28 | | 0.00 | 3.50 | | 5.30 | _ | | 1.00 | | [| <1.6 | | |
| 30-Sep-20 | Fine | 10:48 | Moderate | Middle | 8.4 | 28.88 28.88 | 31.68 | 31.68 | 7.88 | 7.87 | 75.00 75.20 | 5.24 | 5.26 | | 3.70 3.57 | 3.79 | | 5.40 | 5.50 | | 1.00 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 28.88 | 31.68 | | 7.88 | | 75.20 | 5.26 | | | 3.50 | _ | 5.60 | | 4 | 1.00 | | _ | <1.6 | | |
| | | | 1 | Bottom | 15 0 | 28.88 | 31.68 | 31 60 | 7.87 | 7 00 | 76.10 | 5.32 | 5 22 | 5 22 | 4.40 | | 6.90 | 6.07 | 1 | <1 | _1 | F | <1.6 | -16 | |
| | | | 1 | Bottom | 15.8 | 28.88 28.88 28.87 | 31.67 31.69 | 31.68 | 7.87 7.90 | 7.88 | 76.90 76.20 | 5.38 | 5.33 | 5.33 | 4.40 4.33 4.20 | | 6.90 7.10 | 6.97 | 1 | <1 | <1 | H | <1.6 | <1.6 | |
| | l | 1 | 1 | | | 20.01 | 31.09 | | 7.90 | | 75.60 | ე.ა∪ | | | 4.20 | | 1.10 | | 1 | < I | | | <1.U | | |

| Water Quality I | Monitoring Res Weather | sults at IS3 - Sampling | Sea | | () | Temper | rature(°C) | Sanlir | nity(ppt) | pl | Н | DO Satu | ration (%) | Dissolv | ed Oxygen | (mg/L) | Tur | bidity (NTL | J) | Susper | ided Solids (| mg/L) | Co | pper (µg/L |)1 | Total F | PAH (µg. | /L)1 |
|------------------------|---------------------------|----------------------------|-----------|-----------|-------|----------------|------------|----------------|-----------|--------------|---------|----------------|------------|--------------|-----------|--------|--------------|-------------|------|--------------|---------------|-------|------------------|------------|------|--------------|-------------------|------|
| Date | Condition | Time | Condition | Depth | (111) | Value | Average | Value | Average | | Average | | Average | Value | | DA | | Average | DA | Value | Average | DA | Value | Average | | Value A | | DA |
| | | | | Curtons | | 28.54 | 20.54 | 30.47 | 20.45 | 7.38 | 7.00 | 88.00 | 07.70 | 6.04 | 6.00 | | 7.40 | 7.40 | | 2.50 | 0.00 | | <1 | <1 | | <1.6 | .1.0 | |
| | | | | Surface | 1.1 | 28.54 28.54 | 28.54 | 30.44 30.44 | 30.45 | 7.38 7.38 | 7.38 | 87.20 88.00 | 87.73 | 5.99 | 6.02 | | 6.90 7.10 | 7.13 | | 2.10 | 2.33 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.57 | | 30.85 | | 7.38 | | 84.80 | | 5.83 | | 5.92 | 8.10 | | | 3.20 | | | <1 | | 1 | <1.6 | | |
| 5-Oct-20 | Cloudy | 1:16 | Moderate | Middle | 7.9 | 28.57 | 28.57 | 30.87 | 30.84 | 7.39 | 7.38 | 85.00 | 84.63 | 5.83 | 5.81 | | 7.90 | 8.03 | 7.94 | 3.50 | 3.37 | 3.14 | <1 | <1 | <1 | | <1.6 | <1.6 |
| | • | | | | | 28.57 | | 30.81 | | 7.37 | | 84.10 | | 5.76 | | | 8.10 | | | 3.40 | | | <1 | | | <1.6 | | |
| | | | | | | 28.65 | | 31.68 | | 7.42 | | 82.70 | | 5.70 | | | 8.70 | | | 3.50 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 14.8 | 28.65 | 28.65 | 31.64 | 31.67 | 7.40 | 7.41 | 83.40 | 82.57 | 5.75 | 5.71 | 5.71 | 8.70 | 8.67 | | 3.80 | 3.73 | | <1 | <1 | | | <1.6 | |
| | | | | | | 28.65 | | 31.70 | | 7.40 | | 81.60 | | 5.69 | | | 8.60 | | | 3.90 | | | <1 | | | <1.6 | | |
| | | | | Surface | 1.1 | 28.31 28.31 | 28.31 | 32.10 32.10 | 32.10 | 8.11 8.12 | 8.12 | 88.10 88.10 | 88.00 | 5.73 5.73 | 5.73 | | 2.50 | 2.43 | | 4.80 5.10 | 4.83 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.31 | | 32.10 | | 8.12 | | 87.80 | | 5.72 | | 5.72 | 2.40 | | | 4.60 | | | <1 | | | <1.6 | | |
| 7-Oct-20 | Cloudy | 2:04 | Moderate | Middle | 8.0 | 28.48 28.46 | 28.48 | 32.33 | 32.32 | 8.07 8.09 | 8.09 | 88.30 88.20 | 88.30 | 5.72 5.72 | 5.72 | | 3.20 3.10 | 3.07 | 3.07 | 3.90 4.00 | 4.03 | 4.07 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| 7 001 20 | Oloddy | 2.01 | wodorato | wiidaio | 0.0 | 28.49 | 20.10 | 32.31 32.33 | OZ.OZ | 8.10 | 0.00 | 88.40 | 00.00 | 5.72 | 0.72 | | 2.90 | 0.01 | 0.01 | 4.20 | 1.00 | 1.07 | <1 | ٠. | ٦. | <1.6 | 11.0 | 41.0 |
| | | | | B | 45.0 | 28.55 | 00.55 | 32.55 | 00.55 | 8.08 | 0.40 | 88.20 | 07.00 | 5.70 | 5.00 | 5.00 | 3.70 | 0.70 | | 3.50 | 0.00 | | <1 | | | <1.6 | | |
| | | | | Bottom | 15.0 | 28.55 28.55 | 28.55 | 32.54 32.55 | 32.55 | 8.11 8.10 | 8.10 | 87.80 87.80 | 87.93 | 5.68 5.68 | 5.69 | 5.69 | 3.80 | 3.70 | | 3.20 | 3.33 | | <1 <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 27.99 | | 31.81 | | 8.11 | | 93.90 | | 6.06 | | | 3.20 | | | 3.90 | | | 1.00 | | | <1.6 | | |
| | | | | Surface | 1.0 | 27.98 | 27.97 | 31.80 | 31.81 | 8.15 8.04 | 8.10 | 93.60 | 94.37 | 6.03 | 6.08 | | 3.10 | 3.17 | | 4.00 | 4.03 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 27.94 27.97 | | 31.83 32.00 | | 8.12 | | 95.60 93.20 | | 6.16 5.99 | | 6.08 | 3.20 | | | 4.20 4.60 | | | <1 | | 1 | <1.6 | | |
| 10-Oct-20 | Cloudy | 4:06 | Moderate | Middle | 8.5 | 27.97 | 27.97 | 31.98 | 31.99 | 8.01 | 8.07 | 96.80 | 94.53 | 6.23 | 6.08 | | 3.20 | 3.23 | 3.19 | 4.80 | 4.77 | 4.69 | <1 | <1 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 27.97 27.98 | | 32.00 32.00 | | 8.08 8.12 | | 93.60 93.20 | | 6.02 | | | 3.30 3.20 | | | 4.90 5.20 | | ł | 1.00 | | 1 | <1.6 <1.6 | | |
| | | | | Bottom | 15.8 | 27.99 | 27.98 | 32.01 | 32.01 | 8.07 | 8.07 | 93.90 | 95.70 | 6.04 | 6.16 | 6.16 | 3.10 | 3.17 | | 5.50 | 5.27 | | 1.00 | 1.00 | | | <1.6 | |
| | | | | | | 27.98 | | 32.03 | | 8.01 | | 100.00 | | 6.43 | | | 3.20 | | | 5.10 | | | 1.00 | | | <1.6 | | |
| | | | | Surface | 1.1 | 26.25 26.27 | 26.26 | 34.84 34.82 | 34.82 | 7.89 7.89 | 7.89 | 94.90 95.30 | 95.23 | 6.30 6.32 | 6.32 | | 1.90 | 1.87 | | 3.40 2.90 | 3.13 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 26.26 | | 34.81 | | 7.89 | | 95.50 | | 6.34 | | 6.32 | 1.90 | - | | 3.10 | - | | 1.00 | | | <1.6 | · | |
| 12-Oct-20 | Sunny | 7:31 | Moderate | Middle | 8.5 | 26.18 26.21 | 26.20 | 34.88 34.88 | 34.88 | 7.89 7.89 | 7.89 | 95.50 94.90 | 95.17 | 6.35 | 6.32 | | 1.90 | 1.90 | 1.88 | 2.70 | 2.67 | 2.68 | 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| 12-001-20 | Suriny | 7.31 | Wioderate | ivildale | 6.5 | 26.20 | 20.20 | 34.89 | 34.00 | 7.89 | 7.09 | 95.10 | 93.17 | 6.32 | 0.32 | | 1.90 | 1.90 | 1.00 | 2.40 | 2.07 | 2.00 | 1.00 | 1.00 | 1.00 | <1.6 | <1.0 | <1.0 |
| | | | | B | 40.0 | 26.24 | 00.04 | 34.85 | 04.00 | 7.89 | 7.00 | 95.30 | 05.00 | 6.33 | 0.05 | 0.05 | 1.80 | 4.07 | | 2.40 | 0.00 | | 1.00 | 4.00 | | <1.6 | | |
| | | | | Bottom | 16.0 | 26.18 26.22 | 26.21 | 34.88 34.86 | 34.86 | 7.90 7.89 | 7.89 | 96.30 95.30 | 95.63 | 6.40 | 6.35 | 6.35 | 1.90 | 1.87 | | 2.10 | 2.23 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 25.18 | | 34.83 | | 7.93 | | 95.10 | | 6.43 | | | 4.20 | | | 5.50 | | | 2.00 | | | <1.6 | | |
| | | | | Surface | 1.0 | 25.18 | 25.18 | 34.83 | 34.83 | 7.93 7.93 | 7.93 | 95.10 | 95.17 | 6.43 | 6.43 | | 4.10 4.40 | 4.23 | | 5.70 | 5.50 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 25.19 25.18 | | 34.82 34.83 | | 7.93 | | 95.30 94.30 | | 6.38 | | 6.42 | 4.40 | | | 5.30 6.60 | | | 2.00 | | 1 | <1.6 | | |
| 14-Oct-20 | Fine | 9:32 | Moderate | Middle | 8.3 | 25.18 | 25.18 | 34.83 | 34.83 | 7.93 | 7.93 | 94.70 | 94.63 | 6.40 | 6.40 | | 4.40 | 4.33 | 4.34 | 6.20 | 6.43 | 6.27 | 2.00 | 2.00 | 1.67 | | <1.6 | <1.6 |
| | | | | | | 25.18 25.18 | | 34.83 34.83 | | 7.93 7.93 | | 94.90 94.80 | | 6.42 6.41 | | | 4.40 4.30 | | | 6.50 6.80 | | ł | 1.00 | | 1 | <1.6 <1.6 | | |
| | | | | Bottom | 15.7 | 25.18 | 25.18 | 34.83 | 34.83 | 7.93 | 7.93 | 94.60 | 94.67 | 6.40 | 6.40 | 6.40 | 4.50 | 4.47 | | 6.70 | 6.87 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 25.19 | | 34.83 | | 7.94 | | 94.60 | | 6.39 | | | 4.60 | | | 7.10 | | | 1.00 | | | <1.6 | | |
| | | | | Surface | 1.0 | 25.47 25.47 | 25.46 | 34.72 34.72 | 34.73 | 8.17 8.16 | 8.16 | 91.80 91.30 | 91.50 | 6.17 6.14 | 6.15 | | 2.70 | 2.77 | | 4.80 4.40 | 4.60 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 25.44 | | 34.75 | | 8.16 | | 91.40 | | 6.15 | | 6.14 | 2.90 | | | 4.60 | | | <1 | | | <1.6 | | |
| 16-Oct-20 | Sunny | 11:17 | Moderate | Middle | 8.0 | 25.19 25.18 | 25.19 | 34.80 34.80 | 34.81 | 8.16 8.16 | 8.17 | 90.50 90.50 | 90.73 | 6.12 | 6.13 | | 3.70 | 3.60 | 3.54 | 4.20 | 4.20 | 4.16 | <1 <1 | <1 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| 10 001 20 | Curry | | Wiodorako | wiidaio | 0.0 | 25.19 | 20.10 | 34.84 | 01.01 | 8.18 | 0.17 | 91.20 | 00.70 | 6.15 | 0.10 | | 3.50 | 0.00 | 0.01 | 4.40 | 1.20 | | <1 | ٠. | 1.00 | <1.6 | 11.0 | ٧٥ |
| | | | | Bottom | 15.0 | 25.07 25.08 | 25.08 | 34.81 34.82 | 34.82 | 8.17 8.16 | 8.17 | 90.40 89.90 | 90.33 | 6.12 | 6.11 | 6.11 | 4.10 4.30 | 4.27 | | 3.70 3.80 | 3.67 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Bottom | 15.0 | 25.08 | 25.06 | 34.83 | 34.62 | 8.19 | 0.17 | 90.70 | 90.33 | 6.13 | 0.11 | 0.11 | 4.40 | 4.21 | | 3.50 | 3.07 | | 1.00 | 1.00 | | <1.6 | <1.0 | |
| | | | | 0 1 | | 24.62 | 04.00 | 35.15 | 05.44 | 8.05 | 0.05 | 91.10 | 04.00 | 6.20 | 0.04 | | 3.00 | 0.00 | | 4.80 | 4.00 | | <1 | | | <1.6 | | |
| | | | | Surface | 1.0 | 24.62 24.64 | 24.63 | 35.14 35.12 | 35.14 | 8.05 8.05 | 8.05 | 91.50 91.40 | 91.33 | 6.23 | 6.21 | | 2.90 | 2.90 | | 4.50 4.60 | 4.63 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 24.38 | | 35.36 | | 8.05 | | 91.50 | | 6.24 | | 6.23 | 3.10 | | | 5.20 | | | <1 | | 1 | <1.6 | | |
| 19-Oct-20 | Cloudy | 1:09 | Moderate | Middle | 8.0 | 24.41 24.38 | 24.39 | 35.33 35.37 | 35.35 | 8.05 8.05 | 8.05 | 91.50 91.60 | 91.53 | 6.23 6.25 | 6.24 | | 3.10 | 3.17 | 3.18 | 5.40 5.60 | 5.40 | 5.54 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 24.26 | | 35.46 | | 8.06 | | 92.20 | | 6.29 | | | 3.60 | | | 6.60 | | ł | <1 | | 1 | <1.6 | | |
| | | | | Bottom | 15.0 | 24.25 | 24.25 | 35.46 | 35.46 | 8.05 | 8.05 | 92.00 | 92.03 | 6.29 | 6.28 | 6.28 | 3.50 | 3.47 | | 6.80 | 6.60 | | <1 | <1 | | | <1.6 | |
| | | | | | | 24.25 24.28 | | 35.46 34.99 | | 8.05 8.10 | | 91.90 88.70 | | 6.26 | | | 3.30 2.70 | | | 6.40 3.90 | | | <1 <1 | | | <1.6 <1.6 | | |
| <u> </u> | | | | Surface | 1.1 | 24.28 | 24.29 | 35.00 | 34.99 | 8.09 | 8.10 | 89.30 | 88.83 | 6.13 | 6.09 | | 2.90 | 2.80 | | 3.70 | 3.73 | | <1 | <1 | | <1.6 | <1.6 | |
| <u> </u> | | | | | | 24.30 | | 34.99 | | 8.10 | | 88.50 | | 6.07 | | 6.08 | 2.80 | | | 3.60 | | | <1 | | - | <1.6 | | |
| 21-Oct-20 | Cloudy | 2:34 | Moderate | Middle | 8.4 | 24.27 24.26 | 24.27 | 35.24 35.22 | 35.24 | 8.09 8.08 | 8.09 | 88.00 89.10 | 88.43 | 6.03 | 6.06 | | 3.10 | 3.17 | 3.04 | 4.20 4.00 | 4.17 | 4.37 | <1 <1 | <1 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | - | | | | | 24.27 | | 35.25 | | 8.10 | | 88.20 | | 6.04 | | | 3.20 | | | 4.30 | | | <1 | | | <1.6 | | |
| | | | | Bottom | 15.9 | 24.27 24.27 | 24.27 | 35.24 35.25 | 35.24 | 8.09 8.10 | 8.09 | 88.20 88.30 | 89.20 | 6.04 | 6.11 | 6.11 | 3.20 3.20 | 3.17 | | 5.20 5.00 | 5.20 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 24.27 | 1 | 35.22 | | 8.07 | | 91.10 | | 6.24 | | | 3.10 | | | 5.40 | - | | 1.00 | | | <1.6 | | |
| | | | | Surface | | - | 1 - | - | _ | | _ | - | _ | - | | | | | | - 1 | - | | $\vdash \exists$ | | | | _ T | |
| | | | | Surface | - | - | 1 - | - | - | - | - | - | - | - | - | | - | - | | - | - | | - | - | | - | - | |
| | | | | | | - | | - | | - | | - | | - | | - | - | | - | - | | 1 - | - | | 1 | - | | - |
| 23-Oct-20 ² | - | - | - | Middle | - | - | 1 - | - | - | - | - | - | - | - | - | | - | - | | - | - | | - | - | | - | - | |
| | | | | | | | | - | | - | | - | | - | | | | | | - | | | - | | | - | | |
| | | | | Bottom | - | - | - | - | - | - | - | - | - | - | - | - | | - | - | - | - | - | - | - | - | - | - | - |
| + | | | | | | 22.82 | | 35.60 | | 8.14 | | 96.00 | | 6.73 | | | 3.80 | | | 1.80 | | | - | | | | | |
| | | | | Surface | 1.0 | 22.82 | 22.82 | 35.61 | 35.61 | 8.15 | 8.15 | 96.30 | 96.27 | 6.75 | 6.75 | | 3.70 | 3.70 | | 2.20 | 2.00 | | | | | | | |
| | | | | \vdash | | 22.82 22.83 | | 35.61 35.61 | | 8.15 8.15 | | 96.50 96.10 | | 6.76 6.74 | | 6.74 | 3.60 | | | 2.00 | | 1 | \vdash | | - | - | \longrightarrow | |
| 28-Oct-20 | Cloudy | 9:50 | Moderate | Middle | 8.3 | 22.83 | 22.83 | 35.62 | 35.61 | 8.15 | 8.15 | 96.30 | 96.17 | 6.75 | 6.74 | | 3.50 | 3.60 | 3.64 | 2.50 | 2.50 | 2.48 | | | | | | |
| | | | | | | 22.84 | | 35.61 | | 8.14 | | 96.10 | | 6.73 | | | 3.80 | | | 2.60 | | | | | - | | | |
| | | | | Bottom | 15.4 | 22.83 22.83 | 22.83 | 35.62 35.61 | 35.62 | 8.15 8.14 | 8.15 | 96.30 96.10 | 96.30 | 6.75 | 6.75 | 6.75 | 3.60 | 3.63 | | 3.00 2.80 | 2.93 | | $\vdash \vdash$ | | | | | |
| | | | | | | 22.83 | | 35.62 | | 8.15 | | 96.50 | | 6.76 | | | 3.50 | | | 3.00 | | | | | | | | |
| | | | | Surface | 1.1 | 22.66 | 22.67 | 35.61 | 35.64 | 8.10 | 8 12 | 91.10 | 90.97 | 6.38 | 6 27 | | 1.60 | 1.60 | | 3.00 | 2 72 | | | | | | | |
| | | | | Surface | 1.1 | 22.68 22.67 | 22.67 | 35.60 35.61 | 35.61 | 8.13 8.12 | 8.12 | 90.90 | 90.87 | 6.37 6.35 | 6.37 | 6.05 | 1.60 | 1.60 | | 3.00 2.20 | 2.73 | | $\vdash \vdash$ | | | - | | |
| 00.0 | OL . | | | | | 22.58 | 05 | 35.64 | 05 | 8.12 | | 90.30 | 05 | 6.34 | | 6.35 | 2.30 | 0.5= | | 3.40 | | | | | | | | |
| 30-Oct-20 | Cloudy | 11:09 | Moderate | Middle | 8.1 | 22.58 22.58 | 22.58 | 35.63 35.63 | 35.63 | 8.14 8.13 | 8.13 | 90.20 | 90.33 | 6.33 | 6.34 | | 2.20 | 2.27 | 2.21 | 3.40 3.40 | 3.40 | 3.10 | \vdash | | | | | |
| | | | | | | 22.54 | | 35.63 | | 8.14 | | 90.30 | | 6.34 | | | 2.70 | | | 3.00 | | 1 | | | 1 | | | |
| | | | | Bottom | 15.2 | 22.54 | 22.54 | 35.64 | 35.63 | 8.14 | 8.13 | 90.10 | 90.17 | 6.32 | 6.33 | 6.33 | 2.90 | 2.77 | | 3.30 3.20 | 3.17 | | $\vdash \vdash$ | | | | | |
| Note: | | I | L | 1 | | 22.54 | 1 | 35.63 | | 8.12 | | 90.10 | l | 0.33 | | | 2.70 | | | 3.20 | | l | 1 | | | <u> </u> | | |

- Note:

 1. Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

 2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

Water Quality Monitoring Results at IS3 - Mid-Flood Tide

| Water Quality I | Monitoring Res | ults at IS3 - | Mid-Flood Ti | de | | | | · | | v. | | | | | | | 1 | | | 1 | | | | | -ir | | |
|-----------------|----------------------|------------------|------------------|----------|-------|-----------------|------------------|------------------|--------------------|--------------|-----------------|-------------------|------------------|------------------|-----------------|----------------|--------------|-----------------|------|----------------|-----------------|--------|----------------------|------|--------------|-----------------|------|
| Date | Weather Condition | Sampling Time | Sea Condition | Depti | h (m) | Temper Value | ature(°C) | Sanlini Value | ty(ppt) Average | Value | pH Average | DO Satur Value | | Dissolv Value | ed Oxyger | n (mg/L) DA | Tui Value | bidity (NTL | | Suspe Value | nded Solids | (mg/L) | Copper (µg | | | tal PAH (µg | |
| | Condition | Time | Condition | Surface | 1.0 | 25.10 25.12 | Average 25.11 | 33.32 33.31 | 33.31 | 8.12 8.12 | Average 8.12 | 87.40 89.70 | Average 89.03 | 5.97 6.12 | Average 6.08 | DA | 1.90 2.00 | Average 1.97 | DA | 1.60 1.80 | Average 1.77 | DA | Value Average | e DA | <1.6 <1.6 | Average <1.6 | DA |
| | | | | | | 25.12 | | 33.31 | | 8.12 | | 90.00 | | 6.14 | | 5.96 | 2.00 | | | 1.90 | | | 1.00 | | <1.6 | | |
| 11-Sep-20 | Fine | 19:18 | Moderate | Middle | 8.5 | 25.08 | 25.00 | 33.36 | 22.26 | 8.12 | 0.12 | 84.60 | 05 27 | 5.78 | E 0.1 | | 2.40 | 2 20 | 2.20 | 2.20 | 2 22 | 2.34 | 1.00 1.00 | 1.00 | <1.6 | -16 | <1.6 |
| 11-3ep-20 | Tille | 13.10 | Woderate | ivildale | 6.5 | 25.08 25.08 | 25.08 | 33.35 33.36 | 33.36 | 8.12 8.12 | 8.12 | 85.50 85.70 | 85.27 | 5.88 5.85 | 5.84 | | 2.20 | 2.30 | 2.20 | 2.50 | 2.33 | 2.54 | 1.00 1.00 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.0 |
| | | | | | | 25.07 | | 33.36 | | 8.12 | | 80.80 | | 5.58 | | | 2.40 | | | 3.10 | | | 1.00 | | <1.6 | | |
| | | | | Bottom | 15.8 | 25.08 | 25.08 | 33.35 | 33.35 | 8.12 | 8.12 | 80.00 | 80.87 | 5.46 | 5.57 | 5.57 | 2.30 | 2.33 | | 2.90 | 2.93 | | 1.00 1.00 | | <1.6 | <1.6 | |
| | | | | | | 25.08 27.69 | | 33.35 31.23 | | 8.12 8.13 | | 81.80 89.60 | | 5.68 5.93 | | | 2.30 3.30 | | | 2.80 3.30 | | | 2.00 | | <1.6 <1.6 | | |
| | | | | Surface | 1.1 | 27.65 | 27.68 | 31.26 | 31.23 | 8.14 | 8.13 | 91.40 | 90.87 | 6.06 | 6.02 | | 3.30 | 3.30 | | 3.20 | 3.33 | | 2.00 2.00 | | <1.6 | <1.6 | |
| | | | | | | 27.69 | | 31.21 | | 8.13 | | 91.60 | | 6.06 | | 5.96 | 3.30 | | | 3.50 | | | 2.00 | | <1.6 | | |
| 14-Sep-20 | Cloudy | 17:22 | Moderate | Middle | 8.3 | 27.50 27.35 | 27.49 | 31.50 31.82 | 31.60 | 8.14 8.15 | 8.14 | 88.30 87.90 | 89.00 | 5.86 5.81 | 5.89 | | 3.40 | 3.47 | 3.40 | 2.70 | 2.77 | 2.78 | 2.00 2.00 | 2.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | - | | | | | 27.61 | | 31.47 | | 8.13 | | 90.80 | | 6.01 | | | 3.50 | | | 2.70 | | | 2.00 | | <1.6 | | |
| | | | | Bottom | 15.5 | 27.40 27.48 | 27.39 | 31.76 31.68 | 31.78 | 8.14 8.13 | 8.14 | 86.30 89.40 | 86.77 | 5.72 5.91 | 5.74 | 5.74 | 3.50 3.50 | 3.43 | | 2.20 | 2.23 | | 2.00 2.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Dottom | 10.0 | 27.29 | 27.00 | 31.89 | 01.70 | 8.14 | 0.14 | 84.60 | 00.77 | 5.60 | 0.14 | 0.14 | 3.30 | 0.40 | | 2.40 | 2.20 | | 2.00 | | <1.6 | <1.0 | |
| | | | | | | 27.79 | | 31.27 | | 8.26 | | 79.10 | | 5.57 | | | 3.50 | | | 2.20 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.0 | 27.83 27.80 | 27.81 | 31.26 31.28 | 31.27 | 8.26 8.26 | 8.26 | 79.50 79.10 | 79.23 | 5.59 5.57 | 5.58 | | 3.30 | 3.43 | | 2.30 | 2.37 | | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 27.67 | | 31.32 | | 8.27 | | 78.20 | | 5.52 | | 5.55 | 3.40 | | | 3.10 | | | <1 | | <1.6 | | |
| 16-Sep-20 | Sunny | 18:12 | Moderate | Middle | 8.8 | 27.67 | 27.67 | 31.32 | 31.32 | 8.27 | 8.27 | 78.10 | 78.23 | 5.51 | 5.52 | | 3.50 | 3.53 | 3.49 | 2.70 | 2.90 | 3.02 | <1 <1 | 1.00 | <1.6 | <1.6 | <1.6 |
| | | | | | | 27.67 27.67 | | 31.32 31.32 | | 8.26 8.27 | | 78.40 78.60 | | 5.53 5.55 | | | 3.70 3.40 | | | 2.90 3.80 | | | <1 | - | <1.6 <1.6 | | |
| | | | | Bottom | 16.6 | 27.69 | 27.68 | 31.31 | 31.32 | 8.26 | 8.27 | 79.10 | 78.73 | 5.58 | 5.56 | 5.56 | 3.50 | 3.50 | | 3.60 | 3.80 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 27.67 | | 31.32 | | 8.27 | | 78.50 | | 5.54 | | | 3.60 | | | 4.00 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.0 | 28.03 28.06 | 28.04 | 30.67 30.75 | 30.71 | 8.14 8.14 | 8.14 | 79.90 80.20 | 80.13 | 5.58 5.60 | 5.59 | | 2.80 | 2.77 | | 3.40 | 3.40 | | <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.04 | | 30.70 | | 8.14 | | 80.30 | | 5.60 | | 5.57 | 2.70 | | | 3.20 | | | <1 | | <1.6 | | |
| 18-Sep-20 | Fine | 19:22 | Moderate | Middle | 8.8 | 28.05 28.06 | 28.06 | 30.75 30.78 | 30.77 | 8.14 8.14 | 8.14 | 79.30 79.50 | 79.50 | 5.54 5.55 | 5.55 | | 2.80 | 2.77 | 2.77 | 3.80 | 3.77 | 3.82 | <1 <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| 10-Зер-20 | Tille | 19.22 | Woderate | Middle | 0.0 | 28.07 | 20.00 | 30.78 | 30.77 | 8.14 | 0.14 | 79.70 | 75.50 | 5.57 | 3.33 | | 2.80 | 2.11 | 2.11 | 3.70 | 5.77 | 3.02 | <1 | | <1.6 | <1.0 | <1.0 |
| | | | | | | 28.07 | | 30.78 | | 8.14 | | 80.10 | | 5.59 | | | 2.70 | | | 4.30 | | | <1 | | <1.6 | | |
| | | | | Bottom | 16.5 | 28.06 28.05 | 28.06 | 30.78 | 30.78 | 8.14 8.14 | 8.14 | 79.70 79.50 | 79.77 | 5.57 5.55 | 5.57 | 5.57 | 2.70 | 2.77 | | 4.10 4.50 | 4.30 | | <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.47 | | 29.97 | | 8.35 | | 70.50 | | 4.63 | | | 3.10 | | | 6.40 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.1 | 28.49 | 28.48 | 29.92 | 29.94 | 8.36 | 8.36 | 70.60 | 70.57 | 4.64 | 4.64 | | 3.10 | 3.10 | | 6.80 | 6.63 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 28.48 28.58 | | 29.93 30.64 | | 8.36 8.35 | | 70.60 70.50 | | 4.64 4.61 | | 4.62 | 3.10 | | | 6.70 5.80 | | | <1 | | <1.6 <1.6 | | |
| 21-Sep-20 | Cloudy | 9:10 | Moderate | Middle | 8.4 | 28.56 | 28.57 | 30.63 | 30.61 | 8.35 | 8.35 | 70.40 | 70.50 | 4.60 | 4.61 | | 3.20 | 3.27 | 3.22 | 5.70 | 5.87 | 6.11 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 28.56 | | 30.57 | | 8.35 8.35 | | 70.60 70.30 | | 4.62 | | | 3.30 | | | 6.10 | | | <1 | | <1.6 | | |
| | | | | Bottom | 15.8 | 28.54 28.55 | 28.55 | 30.61 30.61 | 30.61 | 8.35 | 8.35 | 70.40 | 70.43 | 4.60 4.61 | 4.61 | 4.61 | 3.30 | 3.30 | | 6.00 5.70 | 5.83 | | <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 28.55 | | 30.62 | | 8.35 | | 70.60 | | 4.62 | | | 3.30 | | | 5.80 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.0 | 29.11 29.05 | 29.10 | 30.63 | 30.65 | 8.31 8.31 | 8.31 | 79.10 78.80 | 79.17 | 5.13 5.11 | 5.13 | | 3.10 | 3.10 | | 2.70 3.00 | 2.90 | | <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 29.13 | | 30.60 | | 8.30 | | 79.60 | | 5.16 | | 5.13 | 3.00 | | | 3.00 | | | <1 | | <1.6 | | |
| 23-Sep-20 | Sunny | 11:22 | Moderate | Middle | 8.2 | 28.88 28.89 | 28.89 | 30.99 30.97 | 30.99 | 8.31 8.32 | 8.31 | 78.90 78.70 | 78.97 | 5.13 | 5.13 | 0.10 | 3.80 | 3.80 | 3.59 | 2.40 | 2.37 | 2.30 | <1 | <1 | <1.6 <1.6 | -16 | <1.6 |
| 23-Зер-20 | Suring | 11.22 | Moderate | Middle | 0.2 | 28.89 | 20.09 | 31.01 | 30.99 | 8.31 | 0.31 | 79.30 | 70.97 | 5.11 5.15 | 5.15 | | 3.80 | 3.00 | 3.39 | 2.50 | 2.31 | 2.30 | <1 <1 <1 | <1 | <1.6 | <1.6 | <1.0 |
| | | | | | | 28.90 | | 31.00 | | 8.31 | | 78.50 | ===== | 5.09 | | | 3.80 | | | 1.50 | | | <1 | | <1.6 | | |
| | | | | Bottom | 15.4 | 28.90 28.91 | 28.90 | 30.96 30.95 | 30.97 | 8.31 8.32 | 8.31 | 78.00 78.10 | 78.20 | 5.06 5.07 | 5.07 | 5.07 | 3.90 | 3.87 | | 1.60 | 1.63 | | <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 29.25 | | 31.21 | | 8.15 | | 95.00 | | 6.13 | | | 2.70 | | | 1.60 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.1 | 29.28 | 29.26 | 31.40 | 31.28 | 8.15 | 8.15 | 93.40 | 94.40 | 6.01 | 6.08 | | 2.70 | 2.70 | | 1.70 | 1.63 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 29.26 29.27 | | 31.23 31.83 | | 8.16 8.15 | | 94.80 94.10 | | 6.11 6.05 | | 6.06 | 2.70 | | | 1.60 3.40 | | | <1 | | <1.6 <1.6 | | |
| 25-Sep-20 | Fine | 19:46 | Moderate | Middle | 8.0 | 29.28 | 29.27 | 31.83 | 31.86 | 8.16 | 8.15 | 94.40 | 93.87 | 6.07 | 6.03 | | 2.80 | 2.77 | 2.73 | 3.50 | 3.43 | 3.11 | <1 <1 | <1 | <1.6 | <1.6 | <1.6 |
| | | | | | | 29.26 29.26 | | 31.91 31.98 | | 8.15 8.15 | | 93.10 92.10 | | 5.97 5.91 | | | 2.70 | | | 3.40 4.20 | | | <1 | | <1.6 <1.6 | | |
| | | | | Bottom | 15.0 | 29.28 | 29.27 | 31.77 | 31.85 | 8.15 | 8.15 | 93.80 | 93.30 | 6.02 | 5.99 | 5.99 | 2.70 | 2.73 | | 4.20 | 4.27 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 29.27 | | 31.80 | | 8.15 | | 94.00 | | 6.04 | | | 2.80 | | | 4.40 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.0 | 28.84 28.83 | 28.83 | 32.03 32.03 | 32.03 | 8.11 8.10 | 8.11 | 91.70 91.80 | 91.83 | 5.93 5.93 | 5.93 | | 5.00 5.10 | 5.00 | | 10.20 10.50 | 10.50 | | <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Cundoo | 1.0 | 28.83 | 20.00 | 32.02 | 02.00 | 8.11 | 0 | 92.00 | 01.00 | 5.94 | 0.00 | 5.92 | 4.90 | 0.00 | | 10.80 | 10.00 | | <1 | | <1.6 | 11.0 | |
| 29 San 20 | Fino | 17:22 | Modorata | Middle | 0.7 | 28.84 | 20.04 | 32.06 | 22.0E | 8.11 | 0 11 | 91.50 | 01.47 | 5.91 | F 01 | 0.02 | 5.20 | E 12 | E 00 | 9.70 | 0.53 | 0.52 | <1 | -1 | <1.6 | -16 | -16 |
| 28-Sep-20 | Fine | 17:22 | Moderate | Middle | 8.2 | 28.84 28.83 | 28.84 | 32.05 32.04 | 32.05 | 8.10 8.11 | 8.11 | 91.40 91.50 | 91.47 | 5.90 5.91 | 5.91 | | 5.10 5.10 | 5.13 | 5.08 | 9.30 9.60 | 9.53 | 9.52 | <1 <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 28.84 | | 32.08 | | 8.10 | | 91.50 | | 5.91 | | | 5.10 | | | 8.40 | | | <1 | | <1.6 | | |
| | | | | Bottom | 15.2 | 28.84 28.84 | 28.84 | 32.13 32.06 | 32.09 | 8.12 8.10 | 8.11 | 91.80 91.40 | 91.57 | 5.93 5.90 | 5.91 | 5.91 | 5.10 5.10 | 5.10 | | 8.50 8.70 | 8.53 | | <1 <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 29.00 | | 31.23 | | 7.95 | | 74.80 | | 5.22 | | | 2.30 | | | 3.80 | | | <1 | | <1.6 | | |
| | | | | Surface | 1.0 | 28.99 | 29.00 | 31.23 | 31.23 | 7.94 | 7.94 | 75.00 | 75.00 | 5.25 | 5.24 | | 2.30 | 2.30 | | 4.00 | 4.03 | | <1 <1 | | <1.6 | <1.6 | |
| | | | | | | 29.00 29.04 | | 31.24 31.38 | | 7.94 7.95 | | 75.20 73.70 | | 5.25 5.15 | | 5.20 | 2.30 | | | 4.30 5.00 | | | <1 <1 | - | <1.6 <1.6 | | |
| 30-Sep-20 | Fine | 18:23 | Moderate | Middle | 8.6 | 29.04 | 29.05 | 31.47 | 31.42 | 7.95 | 7.95 | 74.10 | 73.73 | 5.15 | 5.15 | | 2.40 | 2.37 | 2.47 | 5.00 | 5.00 | 4.97 | <1 <1 | 1.00 | | <1.6 | <1.6 |
| | | | | | | 29.04 | | 31.41 | | 7.95 | 1 | 73.40 | | 5.13 | | | 2.30 | | | 4.90 | | | <1 | 4 | <1.6 | | |
| | | | | Bottom | 16.1 | 29.07 29.03 | 29.05 | 31.43 31.39 | 31.40 | 7.95 7.95 | 7.95 | 74.70 73.20 | 73.83 | 5.21 5.11 | 5.15 | 5.15 | 2.90 | 2.73 | | 5.70 6.00 | 5.87 | | 1.00 1.00 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 29.04 | | 31.39 | | 7.95 | | 73.60 | | 5.14 | | | 2.80 | | | 5.90 | | | 1.00 | | <1.6 | | |

| Water Quality I | Monitoring Re | sults at IS3 - | Mid-Flood 1 | ide | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|----------------------|------------------|------------------|---------|-------|----------------|----------------------|-----------------|---------|--------------|---------------|-----------------------|-----------------|----------------------|------|--------------|---------------------|----------|--------------|------------------------|------|-------------|-----------------------|----------|--------------|-----------------------|-------------------------|
| Date | Weather Condition | Sampling Time | Sea Condition | Depti | h (m) | | ature(°C) Average | Sanlir Value | Average | Value | pH Average | DO Saturation (| | ved Oxyge Average | | Turbi | lity (NTL verage | J) DA | | nded Solids Average | | Value | pper (µg/L Average |)¹ DA | Tot Value | al PAH (µg Average | J/L) ¹ DA |
| | | | | Surface | 1.1 | 28.61 | 28.61 | 30.41 | 30.40 | 7.44 7.43 | 7.44 | 86.20 87.50 86. | 5.90 | 5.91 | | 6.60 | 6.50 | | 3.00 | 3.10 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 28.61 28.61 | 20.01 | 30.41 30.37 | 30.40 | 7.44 | 7.44 | 85.50 | 5.85 | 5.91 | 5.51 | 6.50 6.40 | 0.50 | | 3.40 2.90 | 3.10 | | <1 <1 | <1 | | <1.6 <1.6 | <1.0 | |
| 5-Oct-20 | Rainy | 8:47 | Moderate | Middle | 8.0 | 28.66 28.66 | 28.66 | 31.01 | 31.04 | 7.47 7.45 | 7.46 | 72.80 73.60 73. | 5.09 5.11 | 5.10 | | 8.90 9.20 | 8.97 | 8.28 | 3.30 3.50 | 3.33 | 3.01 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 28.67 28.69 | | 31.04 31.63 | | 7.45 7.50 | | 73.30 75.10 | 5.10 5.32 | | | 8.80 9.20 | | | 3.20 2.60 | | | <1 <1 | | | <1.6 <1.6 | | 1 |
| | | | | Bottom | 15.0 | 28.70 | 28.69 | 31.62 | 31.62 | 7.51 | 7.51 | 76.00 75. | 53 5.37 | 5.34 | 5.34 | 9.30 | 9.37 | | 2.50 | 2.60 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.69 28.26 | | 31.62 31.95 | | 7.51 8.08 | | 75.50 87.90 | 5.34 5.73 | | - | 9.60 2.50 | | | 2.70 2.50 | | | <1 <1 | | | <1.6 <1.6 | | - |
| | | | | Surface | 1.0 | 28.28 | 28.27 | 31.94 | 31.95 | 8.07 | 8.08 | 88.10 88. | 00 5.75 | 5.74 | | 2.30 | 2.40 | | 2.90 | 2.70 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 28.27 28.62 | | 31.97 32.43 | | 8.09 8.07 | | 88.00 86.80 | 5.74 5.62 | | 5.68 | 2.40 3.30 | | | 2.70 2.80 | | | <1 <1 | | | <1.6 <1.6 | | t |
| 7-Oct-20 | Cloudy | 9:59 | Moderate | Middle | 8.1 | 28.62 28.62 | 28.62 | 32.43 32.43 | 32.43 | 8.04 8.07 | 8.06 | 87.00 86.70 | 5.63 5.61 | 5.62 | | 3.20 | 3.20 | 3.10 | 3.20 2.70 | 2.90 | 3.10 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | D. // | 45.0 | 28.63 | 00.00 | 32.45 | 00.45 | 8.08 | | 87.00 | 5.63 | F 00 | 5.00 | 3.70 | 0.70 | | 3.90 | 0.70 | | <1 | | İ | <1.6 | | † |
| | | | | Bottom | 15.2 | 28.63 28.63 | 28.63 | 32.45 32.45 | 32.45 | 8.05 8.06 | 8.06 | 86.60 86.80 | 5.61 5.61 | 5.62 | 5.62 | 3.80 | 3.70 | | 3.50 3.70 | 3.70 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | 1.0 | 27.90 27.89 | 27.89 | 31.88 31.88 | 31.87 | 8.06 8.06 | 8.06 | 91.10 91.00 91. | 5.86 5.85 | 5.86 | | 4.70 | 4.57 | | 4.10 4.30 | 4.13 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 27.89 | | 31.86 | | 8.06 | | 91.00 | 5.86 | | 5.84 | 4.40 | | | 4.00 | | | <1 | | | <1.6 | | 1 |
| 10-Oct-20 | Sunny | 18:11 | Moderate | Middle | 8.3 | 27.90 27.90 | 27.90 | 31.92 31.92 | 31.92 | 8.06 8.07 | 8.06 | 90.50 90.40 90. | 5.82 5.82 | 5.82 | | 4.50 4.70 | 4.63 | 4.64 | 5.70 5.80 | 5.63 | 5.54 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 27.89 27.90 | | 31.92 31.97 | | 8.05 8.06 | | 90.40 90.60 | 5.82 5.83 | | | 4.70 4.70 | | | 5.40 6.70 | | | <1 <1 | | | <1.6 <1.6 | | 1 |
| | | | | Bottom | 15.5 | 27.90 | 27.90 | 32.00 | 31.97 | 8.07 | 8.06 | 90.60 90. | 57 5.83 | 5.83 | 5.83 | 4.70 | 4.73 | | 7.00 | 6.87 | | <1 | <1 | | <1.6 | <1.6 | |
| | | | | | | 27.90 26.15 | | 31.94 34.78 | | 8.06 7.93 | | 90.50 98.20 | 5.82 6.53 | | - | 4.80 2.50 | | | 6.90 3.20 | | | <1 1.00 | | | <1.6 <1.6 | | |
| | | | | Surface | 1.0 | 26.15 26.16 | 26.15 | 34.78 34.80 | 34.79 | 7.93 7.92 | 7.93 | 98.90 98. 98.70 | 6.58 6.57 | 6.56 | | 2.60 2.50 | 2.53 | | 3.40 3.20 | 3.27 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 26.19 | | 34.76 | | 7.92 | | 98.20 | 6.53 | | 6.55 | 2.50 | | | 3.80 | | | 1.00 | | 1 | <1.6 | | |
| 12-Oct-20 | Sunny | 15:32 | Moderate | Middle | 8.5 | 26.16 26.17 | 26.17 | 34.78 34.77 | 34.77 | 7.93 7.92 | 7.92 | 98.40 98. 98.00 | 6.54 | 6.53 | | 2.70 | 2.57 | 2.54 | 3.50 3.60 | 3.63 | 3.63 | 1.00 | 1.00 | 1.33 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 16.1 | 26.15 26.18 | 26.18 | 34.78 34.77 | 34.77 | 7.92 7.92 | 7.93 | 97.80 97.60 98. | 6.50 | 6.52 | 6.52 | 2.50 2.60 | 2.53 | | 4.00 4.10 | 4.00 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Dottom | 10.1 | 26.20 | 20.10 | 34.76 | 04.77 | 7.94 | 7.00 | 98.70 | 6.56 | 0.02 | 0.02 | 2.50 | 2.00 | | 3.90 | -1.00 | | 2.00 | 2.00 | | <1.6 | | |
| | | | | Surface | 1.1 | 25.17 25.17 | 25.17 | 34.83 34.83 | 34.83 | 7.92 7.92 | 7.92 | 95.20 95.00 95. | 6.43 | 6.42 | | 3.90 | 3.87 | | 8.80 9.00 | 8.80 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 25.18 25.18 | | 34.83 34.83 | | 7.92 7.92 | | 94.90 95.00 | 6.41 6.42 | | 6.42 | 3.90 4.00 | | | 8.60 7.50 | | | 2.00 | | | <1.6 <1.6 | | 1 |
| 14-Oct-20 | Fine | 17:08 | Moderate | Middle | 8.5 | 25.18 | 25.18 | 34.83 | 34.83 | 7.91 | 7.91 | 95.00 94. | 97 6.42 | 6.42 | | 4.00 | 4.03 | 3.98 | 7.10 | 7.30 | 7.38 | 2.00 | 2.00 | 2.00 | <1.6 | <1.6 | <1.6 |
| | | | | | | 25.18 25.19 | | 34.83 34.83 | | 7.91 7.91 | | 94.90 94.80 | 6.41 | | | 4.10 4.20 | | | 7.30 5.90 | | | 2.00 | | ŧ | <1.6 <1.6 | | + |
| | | | | Bottom | 15.7 | 25.18 25.18 | 25.18 | 34.83 | 34.83 | 7.92 | 7.92 | 94.70 94. 94.70 | 73 6.40 6.40 | 6.40 | 6.40 | 4.00 3.90 | 4.03 | | 6.20 | 6.03 | | 2.00 | 2.00 | | <1.6 <1.6 | <1.6 | |
| | | | | Curtain | 4.4 | 25.26 | 25.25 | 34.85 | 34.86 | 8.18 | 0.40 | 90.70 | 6.12 | 6.40 | | 3.70 | 0.70 | | 3.50 | 2.07 | | 1.00 | 4.00 | | <1.6 | <1.6 | |
| | | | | Surface | 1.1 | 25.24 25.24 | 25.25 | 34.87 34.85 | 34.00 | 8.19 8.16 | 8.18 | 90.70 90. 90.80 | 6.13 | 6.12 | 6.11 | 3.60 | 3.73 | | 3.00 | 3.27 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.0 | |
| 16-Oct-20 | Sunny | 18:16 | Moderate | Middle | 8.0 | 25.17 25.19 | 25.18 | 34.86 34.86 | 34.86 | 8.17 8.18 | 8.17 | 90.20 90.00 90. | 6.10 | 6.09 | 0.11 | 4.10 4.30 | 4.20 | 4.34 | 4.50 4.80 | 4.63 | 4.48 | 1.00 | 1.00 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | | | 25.18 25.16 | | 34.85 34.85 | | 8.16 8.17 | | 90.00 | 6.08 | | | 4.20 5.00 | | | 4.60 5.40 | | | 1.00 | | | <1.6 <1.6 | | 1 |
| | | | | Bottom | 15.0 | 25.16 | 25.16 | 34.85 | 34.86 | 8.16 | 8.17 | 89.60 89. | 6.06 | 6.07 | 6.07 | 5.00 | 5.10 | | 5.40 | 5.53 | | 1.00 | 1.00 | | <1.6 | <1.6 | |
| | | | | | | 25.16 24.61 | | 34.87 35.20 | | 8.18 7.98 | | 89.80 89.70 | 6.07 6.11 | | | 5.30 3.80 | | | 5.80 3.70 | | | 1.00 | | | <1.6 <1.6 | | |
| | | | | Surface | 1.1 | 24.62 | 24.62 | 35.20 35.21 | 35.20 | 7.97 | 7.98 | 89.70 89. 89.70 | 70 6.11 6.11 | 6.11 | | 3.90 3.50 | 3.73 | | 4.00 3.80 | 3.83 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| 40.0-4.00 | Cld. | 0.50 | Madaata | NA: | 8.1 | 24.53 | 04.50 | 35.24 | 25.25 | 7.97 | 7.07 | 89.10 | 6.08 | 6.00 | 6.10 | 4.10 | 4.00 | 4.40 | 3.80 | 4.00 | 4.00 | <1 | .4 | 4.00 | <1.6 | .4.0 | .4.0 |
| 19-Oct-20 | Cloudy | 8:52 | Moderate | Middle | 0.1 | 24.53 24.52 | 24.53 | 35.25 35.26 | 35.25 | 7.98 7.97 | 7.97 | 89.20 89.30 | 6.08 | 6.08 | | 4.30 | 4.23 | 4.18 | 4.10 4.20 | 4.03 | 4.06 | <1 <1 | <1 | 1.00 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | Bottom | 15.2 | 24.52 24.51 | 24.52 | 35.25 35.25 | 35.25 | 7.98 7.97 | 7.97 | 89.10 88.60 88. | 6.07 | 6.06 | 6.06 | 4.50 4.50 | 4.57 | | 4.30 4.40 | 4.30 | | 1.00 | 1.00 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 24.52 | | 35.25 | | 7.97 | | 89.10 | 6.07 | | | 4.70 | | | 4.20 | | | 1.00 | | | <1.6 | | |
| | | | | Surface | 1.0 | 24.35 24.33 | 24.34 | 35.16 35.14 | 35.15 | 8.16 8.15 | 8.16 | 89.10 89.10 89. | | 6.10 | | 2.50 | 2.57 | | 4.00 4.40 | 4.20 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | | | 24.33 24.32 | | 35.14 35.18 | | 8.16 8.15 | | 89.00 89.00 | 6.09 | | 6.09 | 2.60 | | | 4.20 3.10 | | | <1 <1 | | | <1.6 <1.6 | | + |
| 21-Oct-20 | Sunny | 10:28 | Moderate | Middle | 8.5 | 24.32 24.31 | 24.32 | 35.17 35.18 | 35.18 | 8.15 8.15 | 8.15 | 88.80 88.70 | 6.09 | 6.09 | | 2.70 | 2.77 | 2.71 | 2.90 3.20 | 3.07 | 3.34 | <1 <1 | <1 | <1 | <1.6 <1.6 | <1.6 | <1.6 |
| | | | | D-# | 45.0 | 24.32 | 04.00 | 35.18 | 25.40 | 8.15 | 0.45 | 88.50 | 6.06 | 0.00 | 0.00 | 2.80 | 2.00 | | 2.70 | 0.77 | | <1 | .4 | İ | <1.6 | .4.0 | † |
| | | | | Bottom | 15.9 | 24.32 24.32 | 24.32 | 35.19 35.19 | 35.19 | 8.15 8.14 | 8.15 | 88.50 88.60 | 6.06 | 6.06 | 6.06 | 2.80 | 2.80 | | 3.00 2.60 | 2.77 | | <1 <1 | <1 | | <1.6 <1.6 | <1.6 | |
| | | | | Surface | - | | - | - | - | - | - | - | - | - | | | - | | - | - | | - | - | | - | - | |
| | | | | | | - | 1 | - | | | | - | - | 1 | - | - | | - | - | | - | - | | - | - | | ļ - |
| 23-Oct-20 ² | - | - | - | Middle | - | | - | | - | | - | | | - | | - | - | | - | - | | | - | | | - | |
| | | | | | | - | | - | | - | | - | - | | | - | | | - | | | - | | | - | | |
| | | | | Bottom | - | - | - | - | - | - | - | | - | - | - | - | - | - | - | - | - | - | - | - | , | - | - |
| | | | | | | 22.83 | | 35.53 | | 7.93 | | 96.40 | 6.76 | | | 3.80 | | | 3.60 | | | | | | | | |
| | | | | Surface | 1.0 | 22.83 22.83 | 22.83 | 35.53 35.53 | 35.53 | 7.93 7.93 | 7.93 | 96.30 96. 96.00 | 6.75 | 6.75 | 6.74 | 3.70 | 3.73 | | 3.40 | 3.57 | | \vdash | | | | | |
| 28-Oct-20 | Rainy | 17:44 | Moderate | Middle | 7.9 | 22.84 22.84 | 22.84 | 35.53 35.53 | 35.53 | 7.93 7.93 | 7.93 | 95.90 96.30 96. | 6.72 | 6.74 | 0.74 | 3.70 | 3.77 | 3.77 | 3.90 3.90 | 3.90 | 3.97 | | | Ī | | | |
| | | | | 3010 | | 22.84 | | 35.53 | | 7.93 | 00 | 96.10 | 6.74 | 3 | | 3.80 | | | 3.90 | 2.50 | 1 | | | 1 | | | 1 |
| | | | | Bottom | 14.6 | 22.84 22.83 | 22.84 | 35.53 35.53 | 35.53 | 7.93 7.93 | 7.93 | 95.90 96.30 96. | | 6.74 | 6.74 | | 3.80 | | 4.40 4.30 | 4.43 | | | | | | | |
| | | 1 | | | | 22.84 22.83 | 1 | 35.53 35.54 | | 7.93 8.02 | | 96.40 90.90 | 6.75 6.37 | | 1 | 3.80 1.70 | | | 4.60 3.50 | | 1 | $+ \exists$ | | | | | - |
| | | | | Surface | 1.0 | 22.83 | 22.83 | 35.55 | 35.55 | 8.00 | 8.01 | 90.90 90. | 97 6.37 | 6.37 | | 1.60 | 1.63 | | 2.50 | 2.93 | | | | | | | |
| | | | | | | 22.83 22.80 | | 35.55 35.56 | | 8.01 8.02 | _ | 91.10 90.50 | 6.38 6.35 | | 6.36 | 1.60 2.20 | | _ | 2.80 3.20 | | 1 | | | t | | | t |
| 30-Oct-20 | Cloudy | 17:53 | Moderate | Middle | 8.1 | 22.81 22.79 | 22.80 | 35.57 35.58 | 35.57 | 8.02 8.04 | 8.03 | 90.60 90.70 | 6.35 | 6.35 | | 2.10 | 2.23 | 2.12 | 3.50 3.70 | 3.47 | 3.54 | \vdash | | | | | |
| | | | | Bottom | 15.2 | 22.78 22.78 | 22.78 | 35.58 35.57 | 35.58 | 8.01 8.01 | 8.01 | 90.30 90.30 90. | 6.33 | 6.33 | 6.33 | 2.30 | 2.50 | | 4.50 4.60 | 4.23 | | | | Ī | | | |
| | | | | | | 22.78 | 1 | 35.59 | 00 | 8.01 | | 90.30 | 6.33 | 3.00 | 3.00 | 2.70 | | | 3.60 | 20 | | | | | | | |
| Note: | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Note:

^{1.} Some of laboratory results of Copper and Total PAH in October 2020 were in progress, the summary for those parameters will be reported in next reporting period.

2. Impact water quality monitoring on 23 Oct 2020 was canceled due to the tropical cyclone warning signal no.3 announced from Hong Kong Observatory.

APPENDIX J Details of Exceedances Recorded for Water Quality Monitoring

21 September 2020

| | | | | Action | n Level | Limit | Level | |
|------------------------|--------------|--------------------|------------------|--|----------------------------------|--|--|--|
| Monitoring Location | Tide mode | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS3 | Mid-Ebb | Turbidity | 5.12 | 4.71 | 7.00 | 5.10 | 8.40 | It is considered that the source for the relatively high Suspended Solid and |
| IS3 | Mid-Flood | Turbidity | 3.22 | 3.15 | 7.00 | 3.41 | 8.40 | Turbidity level were not originated from the |
| IS2 | Mid-Ebb | Suspended Solid | 3.91 | 3.67 | 13.80 | 3.97 | 18.70 | construction site due to the proper mitigation measure for |
| IS3 | Mid-Ebb | Suspended Solid | 3.92 | 3.67 | 13.80 | 3.97 | 18.70 | dredging was implemented and no muddy plume was observed at the designated |
| IS1 | Mid-Flood | Suspended Solid | 3.87 | 3.32 | 13.80 | 3.60 | 18.70 | discharge point. It might be caused by the daily variation |
| IS3 | Mid-Flood | Suspended Solid | 6.11 | 3.32 | 13.80 | 3.60 | 18.70 | of the surrounding water quality and elevation by marine movement. |

Remark:

23 September 2020

| | | | | Action | n Level | Limit | Level | |
|------------------------|-----------|--------------------|------------------|--|----------------------------------|--|--|--|
| Monitoring Location | I Pai | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS1 | Mid-Ebb | Turbidity | 5.23 | 4.27 | 7.00 | 4.62 | 8.40 | It is considered that the source for the relatively high concentration of Suspended |
| IS1 | Mid-Flood | Turbidity | 4.16 | 3.33 | 7.00 | 3.61 | 8.40 | Solids and Turbidity level were not originated from the construction site due to the |
| IS2 | Mid-Flood | Turbidity | 4.27 | 3.33 | 7.00 | 3.61 | 8.40 | proper mitigation measure for dredging was implemented and no muddy plume was observed at the |
| IS3 | Mid-Flood | Turbidity | 3.59 | 3.33 | 7.00 | 3.61 | 8.40 | designated discharge point. It might be caused by the daily variation of the |
| IS2 | Mid-Flood | Suspended Solid | 3.57 | 2.93 | 13.80 | 3.18 | 18.70 | surrounding water quality and elevation by marine movement. |

Remark:

25 September 2020

| | | | | Action | n Level | Limit | Level | |
|------------------------|--------------|--------------------|------------------|--|----------------------------------|--|--|---|
| Monitoring Location | Tide mode | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS3 | Mid-Flood | Turbidity | 2.73 | 2.17 | 7.00 | 2.35 | 8.40 | It is considered that the source for the relatively high concentration of Suspended Solids and Turbidity level |
| IS1 | Mid-Ebb | Suspended Solid | 2.83 | 2.76 | 13.80 | 2.99 | 18.70 | was not originated from the construction site due to the proper mitigiton measure for |
| IS1 | Mid-Flood | Suspended Solid | 4.66 | 3.04 | 13.80 | 3.29 | 18.70 | dredging was implemented and no muddy plume was observed at the designated discharge point. It might be caused by the daily variation |
| IS3 | Mid-Flood | Suspended Solid | 3.11 | 3.04 | 13.80 | 3.29 | 18.70 | of the surrounding water quality and elevation by marine movement. |

Remark:

28 September 2020

| | | | | Action | Action Level Limit | | Level | |
|------------------------|--------------|--------------------|------------------|--|----------------------------------|--|--|---|
| Monitoring Location | Tide mode | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS1 | Mid-Ebb | Turbidity | 6.51 | 5.36 | 7.00 | 5.81 | 8.40 | It is considered that the source for the relatively high concentration of Suspended |
| IS2 | Mid-Ebb | Turbidity | 6.24 | 5.36 | 7.00 | 5.81 | 8.40 | Solids and Turbidity level was not originated from the construction site due to the |
| IS1 | Mid-Flood | Turbidity | 6.18 | 6.05 | 7.00 | 6.56 | 8.40 | proper mitigation measure for dredging was implemented and no muddy plume was |
| IS2 | Mid-Flood | Turbidity | 6.54 | 6.05 | 7.00 | 6.56 | 8.40 | observed at the designated discharge point. It might be caused by the daily variation |
| IS2 | Mid-Flood | Suspended Solid | 10.06 | 9.99 | 13.80 | 10.82 | 18.70 | of the surrounding water quality and elevation by marine movement. |

Remark:

05 October 2020

| | | | | Action | n Level | Limit I | Level | |
|------------------------|--------------|--------------------|------------------|--|----------------------------------|--|--|---|
| Monitoring Location | Tide mode | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS1 | Mid-Ebb | Turbidity | 7.49 | 8.67 | 7.00 | 9.39 | 8.40 | It is considered that the source for the relatively high concentration of Suspended |
| IS2 | Mid-Ebb | Turbidity | 7.24 | 8.67 | 7.00 | 9.39 | 8.40 | Solids and Turbidity level was not originated from the |
| IS3 | Mid-Ebb | Turbidity | 7.94 | 8.67 | 7.00 | 9.39 | 8.40 | construction site due to the proper mitigation measure for dredging was implemented, |
| IS1 | Mid-Flood | Turbidity | 7.80 | 9.29 | 7.00 | 10.07 | 8.40 | and no muddy plume observed at the designated |
| IS2 | Mid-Flood | Turbidity | 7.42 | 9.29 | 7.00 | 10.07 | 8.40 | discharge point. It might be caused by the daily variation of the surrounding water |
| IS3 | Mid-Flood | Turbidity | 8.28 | 9.29 | 7.00 | 10.07 | 8.40 | of the surrounding water quality and elevation by marine movement. The |
| IS1 | Mid-Flood | Suspended Solid | 3.34 | 3.01 | 13.80 | 3.26 | 18.70 | abnormal circumstances of Turbidity were also recorded in all stations on 5 October 2020. |

Remark:

07 October 2020

| | | | | Action | n Level | Limit | Level | |
|------------------------|-----------|--------------------|------------------|--|----------------------------------|--|--|--|
| Monitoring Location | Parametei | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS3 | Mid-Flood | Turbidity | 3.10 | 2.92 | 7.00 | 3.16 | 8.40 | It is considered that the source for the relatively high concentration of Suspended |
| IS2 | Mid-Ebb | Suspended Solid | 3.48 | 3.27 | 13.80 | 3.54 | 18.70 | Solids and Turbidity level was not originated from the |
| IS3 | Mid-Ebb | Suspended Solid | 4.07 | 3.27 | 13.80 | 3.54 | 18.70 | construction site due to the proper mitigation measure for dredging was implemented, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement. |

Remark:

10 October 2020

| | | | | Action | n Level | Limit | Level | |
|------------------------|-----------|--------------------|------------------|--|----------------------------------|--|--|--|
| Monitoring Location | Paramete | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS1 | Mid-Ebb | Turbidity | 5.81 | 5.05 | 7.00 | 5.47 | 8.40 | It is considered that the source for the relatively high concentration of Suspended |
| IS2 | Mid-Ebb | Turbidity | 6.11 | 5.05 | 7.00 | 5.47 | 8.40 | Solids and Turbidity level was not originated from the |
| IS1 | Mid-Flood | Turbidity | 5.78 | 5.76 | 7.00 | 6.24 | 8.40 | construction site due to the proper mitigation measure for dredging was |
| IS2 | Mid-Flood | Turbidity | 6.14 | 5.76 | 7.00 | 6.24 | 8.40 | implemented, and no muddy plume observed at the |
| IS3 | Mid-Ebb | Suspended Solid | 4.69 | 4.52 | 13.80 | 4.90 | 18.70 | designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement. |

Remark:

12 October 2020

| | | | _ | Action | n Level | Limit | Level | |
|------------------------|--------------|--------------------|------------------|--|----------------------------------|--|--|---|
| Monitoring Location | Tide mode | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS3 | Mid-Ebb | Suspended Solid | 3.58 | 3.01 | 13.80 | 3.26 | 18.70 | The investigation is undergoing, and the result |
| IS2 | Mid-Flood | Copper | 2.00 | 1.20 | 2.00 | 1.30 | 3.00 | will report in next reporting period. |
| IS3 | Mid-Flood | Copper | 1.33 | 1.20 | 2.00 | 1.30 | 3.00 | |

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

14 October 2020

| | | | _ | Action Level Limit Level | | Remark The investigation is undergoing, and the result will report in next reporting period. | | |
|------------------------|--------------|-----------|------------------|--|----------------------------------|---|--|----------------------------|
| Monitoring Location | Tide mode | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS1 | Mid-Flood | Copper | 2.00 | 2.40 | 2.00 | 2.60 | 3.00 | undergoing, and the result |
| IS2 | Mid-Flood | Copper | 2.00 | 2.40 | 2.00 | 2.60 | 3.00 | |
| IS3 | Mid-Flood | Copper | 2.00 | 2.40 | 2.00 | 2.60 | 3.00 | |

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

19 October 2020

| | | | _ | Action | n Level | Limit | Level | |
|------------------------|--------------|--------------------|------------------|--|----------------------------------|--|--|---|
| Monitoring Location | Tide mode | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS1 | Mid-Ebb | Suspended Solid | 5.03 | 4.59 | 13.80 | 4.97 | 18.70 | The investigation is undergoing, and the result |
| IS2 | Mid-Ebb | Suspended Solid | 5.30 | 4.59 | 13.80 | 4.97 | 18.70 | will report in next reporting period. |
| IS3 | Mid-Ebb | Suspended Solid | 5.54 | 4.59 | 13.80 | 4.97 | 18.70 | |

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

21 October 2020

| | | | | Actio | n Level | Limit | Level | |
|------------------------|--------------|--------------------|------------------|--|----------------------------------|--|--|---|
| Monitoring Location | Tide mode | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS3 | Mid-Ebb | Suspended Solid | 4.37 | 4.28 | 13.80 | 4.64 | 18.70 | The investigation is undergoing, and the result will report in next reporting period. |

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

28 October 2020 (without Copper and Total PAHs)

| | | | | Action Level Limit Level | | Remark The investigation is undergoing, and the result will report in next reporting period. | | |
|------------------------|---|--------------------|------------------|--|----------------------------------|---|--|---|
| Monitoring Location | Monitoring Tide Location mode Parameter | Parameter | Depth Average | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | The investigation is undergoing, and the result will report in next reporting |
| IS2 | Mid-Flood | Turbidity | 3.02 | 2.85 | 7.00 | 3.09 | 8.40 | undergoing, and the result |
| IS3 | Mid-Flood | Turbidity | 3.77 | 2.85 | 7.00 | 3.09 | 8.40 | |
| IS3 | Mid-Flood | Suspended Solid | 3.97 | 3.93 | 13.80 | 4.26 | 18.70 | |

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

30 October 2020 (without Copper and Total PAHs)

| Monitoring Location | Tide mode | Parameter | Depth Average | Action Level | | Limit Level | | |
|------------------------|--------------|-----------|------------------|--|----------------------------------|--|--|---|
| | | | | 120% of Upstream Control Station | 95th Percentile of Baseline Data | 130% of Upstream Control Station | 99th Percentile of Baseline Data | Remark |
| IS3 | Mid-Flood | Turbidity | 2.12 | 1.99 | 7.00 | 2.15 | 8.40 | The investigation is undergoing, and the result will report in next reporting period. |

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

APPENDIX K

Event and Action Plan

Event / Action Plan for Construction Dust Monitoring

| EVENT | | ACTION | | | | | | |
|---|---|---|--|---|--|--|--|--|
| EVENT | ET | IEC | ER | Contractor | | | | |
| ACTION LEVEL | | | | | | | | |
| Exceedance for one sample | Inform the Contractor, IEC and ER; Discuss with the Contractor and IEC on the remedial measures required; Repeat measurement to confirm findings; Increase monitoring frequency | Check monitoring data submitted by the ET; Check Contractor's working method; Review and advise the ET and ER on the effectiveness of the proposed remedial measures. | Confirm receipt of notification of exceedance in writing. | Identify source(s), investigate the causes of exceedance and propose remedial measures; Implement remedial measures; Amend working methods agreed with the ER as appropriate. | | | | |
| Exceedance for two or more consecutive samples | Inform the Contractor, IEC and ER; Discuss with the ER, IEC and Contractor on the remedial measures required; Repeat measurements to confirm findings; Increase monitoring frequency to daily; If exceedance continues, arrange meeting with the IEC, ER and Contractor; If exceedance stops, cease additional monitoring. | Check monitoring data submitted by the ET; Check Contractor's working method; Review and advise the ET and ER on the effectiveness of the proposed remedial measures. | Confirm receipt of notification of exceedance in writing; Review and agree on the remedial measures proposed by the Contractor; Supervise Implementation of remedial measures. | Identify source and investigate the causes of exceedance; Submit proposals for remedial measures to the ER with a copy to ET and IEC within three working days of notification; Implement the agreed proposals; Amend proposal as appropriate. | | | | |

Gammon Construction Limited Central Kowloon Route – Kai Tak West

Appendix K Event Action Plan

| Appendix K | K Event Action Plan | | | | | | |
|---|--|--|---|---|--|--|--|
| EVENT | ACTION | | | | | | |
| EVENT | ET | IEC | ER | Contractor | | | |
| Exceedance for one sample | Inform the Contractor, IEC, EPD and ER; Repeat measurement to confirm findings; Increase monitoring frequency to daily; Discuss with the ER, IEC and contractor on the remedial measures and assess the effectiveness. | Check monitoring data submitted by the ET; Check the Contractor's working method; Discuss with the ET, ER and Contractor on possible remedial measures; Review and advise the ER and ET on the effectiveness of Contractor's remedial measures. | Confirm receipt of notification of exceedance in writing; Review and agree on the remedial measures proposed by the Contractor; Supervise implementation of remedial measures. | 1. Identify source(s) and investigate the causes of exceedance; 2. Take immediate action to avoid further exceedance; 3. Submit proposals for remedial measures to ER with a copy to ET and IEC within three working days of notification; 4. Implement the agreed proposals; 5. Amend proposal if appropriate. | | | |
| Exceedance for two or more consecutive samples | Notify Contractor, IEC, EPD and ER; Repeat measurement to confirm findings; Increase monitoring frequency to daily; Carry out analysis of the Contractor's working procedures with the ER to determine possible mitigation to be implemented; Arrange meeting with the IEC and ER to discuss the remedial measures to be taken; Review the effectiveness of the Contractor's remedial measures and keep IEC, EPD and ER informed of the results; If exceedance stops, cease additional monitoring. | Check monitoring data submitted by the ET; Check the Contractor's working method; Discuss with ET, ER, and Contractor on the potential remedial measures; Review and advise the ER and ET on the effectiveness of Contractor's remedial measures. | Confirm receipt of notification of exceedance in writing; In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented; Supervise the implementation of remedial measures; If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. | Identify source(s) and investigate the causes of exceedance; Take immediate action to avoid further exceedance; Submit proposals for remedial measures to the ER with a copy to the IEC and ET within three working days of notification; Implement the agreed proposals; Revise and resubmit proposals if problem still not under control; Stop the relevant portion of works as determined by the ER until the exceedance is abated. | | | |

Event and Action Plan for Construction Noise Monitoring

| EVENT | | ACT | ΓΙΟΝ | | | | |
|-------------------------------|---|---|---|--|--|--|--|
| EVENT | ET | ET IEC ER | | | | | |
| Exceedance of Action Level | Notify the Contractor, IEC and ER; Discuss with the ER, IEC and Contractor on the remedial measures required; and Increase monitoring frequency to check mitigation effectiveness. | Review the investigation results submitted by the contractor; and Review and advise the ET and ER on the effectiveness of the remedial measures proposed by the Contractor. | Confirm receipt of notification of complaint in writing; Review and agree on the remedial measures proposed by the Contractor; and Supervise implementation of remedial measures. | Investigate the complaint and propose remedial measures; Report the results of investigation to the IEC, ET and ER; Submit noise mitigation proposals to the ER with copy to the IEC and ET within 3 working days of notification; and Implement noise mitigation proposals. | | | |
| Exceedance of Limit Level | 1. Notify the Contractor, IEC, EPD and ER; 2. Repeat measurement to confirm findings; 3. Increase monitoring frequency; 4. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 5. Arrange meeting with the IEC and ER to discuss the remedial measures to be taken; 6. Inform IEC, ER and EPD the causes and actions taken for the exceedances; 7. Review the effectiveness of Contractor's remedial measures and keep IEC, EPD and ER informed of the results; and 8. If exceedance stops, cease additional monitoring. | Check monitoring data submitted by the ET; Check the Contractor's working method; Discuss with the ER, ET and Contractor on the potential remedial measures; and Review and advise the ET and ER on the effectiveness of the remedial measures proposed by the Contractor. | Confirm receipt of notification of exceedance in writing; In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented; Supervise the implementation of remedial measures; and If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. | Identify source and investigate the causes of exceedance; Take immediate action to avoid further exceedance; Submit proposals for remedial measures to the ER with copy to the IEC and ET within 3 working days of notification; Implement the agreed proposals; Revise and resubmit proposals if problem still not under control; and Stop the relevant portion of works as determined by the ER until the exceedance is abated. | | | |

Event and Action Plan for Continuous Noise Monitoring

| | ACTION | | | | | | |
|--------------------|--|---|--|---|--|--|--|
| EVENT | ET | IEC | ER | CONTRACTOR | | | |
| Action/Limit Level | 1. Identify source; 2. Repeat measurement. If two consecutive measurements exceed Action/Limit Level, the exceedance is then confirmed; 3. If exceedance is confirmed, notify IEC, ER and Contractor; 4. Investigate the cause of exceedance and ckeck Contractor's working procedures to determine possible mitigation to be implemented; 5. Discuss jointly with the IEC, ER and Contractor and formulate remedial measures; and 6. Assess effectiveness of Contractor's remedial actions and keep IEC and ER informed of the results. | Check monitoring data submitted by the Works Contract 1123 ET; Check the Contractor's working method; Discuss with the ER, Works Contract 1123 ET and Contractor on the potential remedial measures; and Review and advise the Works Contract 1123 ET and ER on the effectiveness of the remedial measures proposed by the Contractor. | 1. Confirm receipt of notification of exceedance in writing; 2. In consultation with the Works Contract 1123 ET and IEC, agree with the Contractor on the remedial measures to be implemented; 3. Ensure the proper implementation of remedial measures; and 4. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. | Identify source with the Works Contract 1123 ET; If exceedance is confirmed, investigation the cause of exceedance and take immediate action to avoid further exceedance; Submit proposals for remedial measures to the ER with copy to the IEC and ET of notification; Implement the agreed proposals; Liaise with ER to optimize the effectiveness of the agreed mitigation; Revise and resubmit proposals if problem still not under control; and Stop the relevant portion of works as determined by the ER until the exceedance is abated. | | | |

Event and Action Plan for Water Quality Monitoring

| EVENT | ACTION | | | | | | |
|--|---|--|---|---|--|--|--|
| EVENI | EVENT ET IEC ER C | | | | | | |
| Action level being exceeded by one sampling day | Inform IEC, contractor and ER; Check monitoring data, all plant, equipment and Contractor's working methods; and Discuss remedial measures with IEC and Contractor and ER. | 1. Discuss with ET, ER and Contractor on the implemented mitigation measures; 2. Review proposals on remedial measures submitted by Contractor and advise the ER accordingly; and 3. Review and advise the ET and ER on the effectiveness of the implemented mitigation measures. | Discuss with IEC, ET and Contractor on the implemented mitigation measures; Make agreement on the remedial measures to be implemented; Supervise the implementation of agreed remedial measures. | Identify source(s) of impact; Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ER, ET and IEC and purpose remedial measures to IEC and ER; and Implement the agreed mitigation measures. | | | |
| Action level being exceeded by more than one consecutive sampling days | Repeat in-situ measurement on next day of exceedance to confirm findings; Inform IEC, contractor and ER; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss remedial measures with IEC, contractor and ER; Ensure remedial measures are implemented. | Discuss with ER, Contractor and ER on the implemented mitigation measures; Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and Review and advise the ET and ER on the effectiveness of the implemented mitigation measures. | 1. Discuss with ER, IEC and Contractor on the proposed mitigation measures; 2. Make agreement on the remedial measures to be implemented; and 3. Discuss with ET, IEC and Contractor on the effectiveness of the implemented remedial measures. | Identify source(s) of impact; Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment and consider changes of working methods; Discuss with ET, IEC and ER and submit proposal of remedial measures to ER and IEC within 3 working days of notification; and Implement the agreed mitigation measures. | | | |

Event and Action Plan for Water Quality Monitoring

| EVENT | ACTION | | | | | | |
|---|--|--|---|--|--|--|--|
| EVENT | ET | IEC | ER | CONTRACTOR | | | |
| Limit Level being exceed by one sampling day | Repeat measurement on next day of exceedance to confirm findings; Inform IEC, contractor and ER; Rectify unacceptable practice; Check monitoring data, all plant, equipment and Contractor's working methods; Consider changes of working methods; Discuss mitigation measures with IEC, ER and Contractor; and Ensure the agreed remedial measures are implemented. | Discuss with ET, Contractor and ER on the implemented mitigation measures; Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and Review and advise the ET and ER on the effectiveness of the implemented mitigation measures. | Discuss with ET, IEC and Contractor on the implemented remedial measures; Request Contractor to critically review the working methods; Make agreement on the remedial measures to be implemented; and Discuss with ET, IEC and Contractor on the effectiveness of the implemented remedial measures. | Identify source(s) of impact; Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment and consider changes of working methods; Discuss with ET, IEC and ER and submit proposal of additional mitigation measures to ER and IEC within 3 working days of notification; and Implement the agreed remedial measures. | | | |
| Limit Level being exceed by more than one consecutive sampling days | Inform IEC, contractor and ER; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC, ER and Contractor; and Ensure mitigation measures are implemented; and Increase the monitoring frequency to daily until no exceedance of Limit Level for two consecutive days | Discuss with ET, Contractor and ER on the implemented mitigation measures; Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and Review and advise the ET and ER on the effectiveness of the implemented mitigation measures. | Discuss with ET, IEC and Contractor on the implemented remedial measures; Request Contractor to critically review the working methods; Make agreement on the remedial measures to be implemented; Discuss with ET and IEC on the effectiveness of the implemented mitigation measures; and Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the dredging activities | Identify source(s) of impact; Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment and consider changes of working methods; Discuss with ET, IEC and ER and submit proposal of additional mitigation measures to ER and IEC within 3 working days of notification; and Implement the agreed remedial measures. As directed by the ER, to slow down or stop all or part of the | | | |

| Appendix K | Event Action Plan | | |
|------------|-------------------|-------------------------------------|--|
| | | until no exceedance of Limit level. | dredging activities until no exceedance of Limit level |

APPENDIX L

Cumulative Statistics on Complaints, Notification of Summons and Successful Prosecutions

Appendix L

Cumulative Statistics on Complaints, Notification of Summons and Successful Prosecutions

| | Date received | Subject | Status | Total no. | Total no. |
|--------------------------|---|--|--------|-----------|--------------|
| | | | | in this | project |
| | | | | month | commencement |
| Environmental complaints | 19, 21, 23 and 28 October 2020 (Referred by the Contractor on 20, 23, 27 and 30 October 2020) | Environmental Complaint No: EC-035-CKRKTW20201020_01_C062& CKRKTW20201021_01_C063& CKRKTW20201028_01_C064 Details of Complaint Complaint (ref.: CKRKTW20201021_01_C063) was received by Gammon Construction Limited on 19 October 2020. The same criticism was also received by Highway Department (CKRKTW20201028_01_C064) on 28 October 2020; Gammon Construction Limited referred both on 20 and 30 October 2020, respectively. Besides, a similar complaint (ref.: CKRKTW20201021_01_C063) was received by Gammon Construction Limited on 21 October 2020, and additional information from the complainant was obtained on 23 October 2020 afterward. The complaint related to the noise concern was detailed as follows: 19 and 28 October 2020: - 就 貴署於10月10日參與本苑舉辦的第五次業主委員會會議上,當中提到工程團隊已重新調配晚間工序,並將於10月10日參與本苑舉辦的第五次業主委員會會議上,當中提到工程國際已重新認定。但根據本苑居民反映,至今每天仍有打鑿工程於晚間至清晨時份進行,使居民受到滋擾和不能人睡,甚至需要服用安眠藥反向精神科醫生求助。此外,本處接獲人里本苑居民成有蓋隔音屏障將延至2021年底才程,以落成反映極為不滿,鑑於本苑經已飽受長期之噪音滋擾,現敦請貴署盡早完成上述屏障,並提供更新的完成日期,將有關噪音影響減至最低。 - 縱使上述工程是在《環境影響評估條例》下,完成相關環境影響評估報告,並得到環保署所批准的「環境計可證」,但在現實情況下嚴重地影響了本苑居民,要求貴界的完成目期,將有關噪音影響。至近年成村民,以免本苑居民於晚間鑑鑽受到噪音滋擾。 - 縱使上述工程是在《環境影響評估條例》下,完成相關環境影響評估解例》下,完成相關環境影響計畫行、停止進行夜間打鑿工作,以免本苑居民於時間繼續受到噪音滋擾。 21 October 2020: - 上周發現馬頭角工地於晚上11時至凌晨4時發出聲浪地點点,雖允吃時間繼續受到噪音滋擾。 21 October 2020: - 上周發現馬頭角工地於晚上11時至凌晨4時發出聲浪,擔心晚間亦會發出聲浪。因此,希望聯外,最近每天凌晨5時發出聲浪,擔心晚間亦會發出聲浪。因此,希望聯外,最近每天凌晨5時發出聲浪,擔心晚間亦會發出聲浪,因此,希望聯外,最近每天凌晨5時發出聲浪,整工地夜班可事了解情況。 - 此外,除了較早前反映的「ト・ト・ト・ト」聲響外,最近每天凌晨65時30分左右,發現新增一種猶如取動大型冷氣機(非歐擊式)的聲響,故詢問是否與工地有關。 23 October 2020: - 我今晚都係聽到dup dup 聲。我頭先夜晚9點幾再叫左管理處,絕對時係入廈發出聲聲。 23 October 2020: - 我今晚都係聽到dup dup 聲。我頭先夜晚9點幾再叫左管理處,經對時,故詢問是否與工地有關。 23 October 2020: - 我今晚都係聽到dup dup 聲。我頭先夜晚9點幾再叫左管理處,經到時後不過聲。 | Closed | 3 | 37 |

| Date received | Subject | Status | Total no. | Total no. |
|---------------|--|--------|-----------|----------------|
| | | | received | received since |
| | | | in this | project |
| | | | month | commencement |
| | 希望你明白,我和我屋企人真係再咁樣1晚都嫌多。 我見到個5歲嘅囡晚晚瞓得唔好真係好嬲。 我聽日會同老公再傾下,如真係要報警,我好唔好同警方講低你嘅電話?如果唔合適,請告知,我就唔話 | | | |
| | 比警方聽,等佢地自己搵你地公司。 | | | |
| | Details of Investigation and findings | | | |
| | As reported by the Contractor, the construction activities were conducted during the restricted hours on 19, 21 and 23 October 2020, which were: | | | |
| | 19, 21 and 23 October 2020 | | | |
| | From 19:00 to 23:00 | | | |
| | Rock breaking below S6 layer (40m below ground) | | | |
| | Water pumping | | | |
| | From 23:00 to 07:00 on next day | | | |
| | Rock breaking below S6 layer (40m below ground) | | | |
| | Water pumping | | | |
| | Valid Construction Noise Permit (CNP no.: GW-RE0603-20) had been granted from EPD to cover the operation time of powered mechanical equipment (hereinafter PME) from 19:00 to 23:00 and 23:00 to 07:00 on next day by different group and conditions. | | | |
| | As reported by the Contractor, except for ventilation fan with enclosure, Sound Power Level ≤ 85dB(A), electric submersible water pump (CNP 283), wastewater treatment plant, Sound Power Level ≤ 80dB(A), electric air blower and electric welding machine, all other PMEs were only operated inside the shaft with all openings covered by acoustic enclosure. | | | |
| | As reported by the Contractor, proper noise mitigation measures had conducted to comply with the listed condition in the granted CNP, such as all opening of access shaft had been covered by acoustic enclosure for noise screening, the door of a tally room at the Access Shaft had been closed during the nighttime works and specific ventilation fan had been connected to silencers which not less than 8.9m in length. | | | |
| | From the results of the compliance check, no non-compliance was found under the conditions in the granted CNP. | | | |
| | It is considered that the noise mitigation measures had been implemented properly by the Contractor to comply with the terms and condition under the valid CNP during the works conducted during the restricted hours. Besides, no non-compliance was found on the compliance check with PME list based on the Contractor's information. | | | |

| Date received | Subject | Status | Total no. | Total no. |
|-----------------------------------|---|---------|-----------|----------------|
| | | | received | received since |
| | | | in this | project |
| | | | month | commencement |
| | Environmental Complaint No: | | month | Commencement |
| | EC-036-CKRKTW20201029_01_C065 | | | |
| | Details of Complaint | | | |
| | Complaints (EPD ref.: K10/RE/00023386-20 and K10/RE/00023742-20) were received by Environmental Protection Department on 14 and 19 October 2020 and referred by Gammon Construction Limited on 30 October 2020. The complaint related to the noise concern was detailed as follows: | | | |
| | 14 and 19 October 2020: | | | |
| | Complaint said that noise from the construction works at the site caused noise problem during daytime and also on Sunday. | | | |
| | Please ensure the works fulfill the relevant environmental legislation and conditions stipulated in the valid construction noise permit. Please ensure the noise mitigation measures proposed in the approved Construction Noise Mitigation Measures Plan are fully and properly implemented for the purpose of reducing the construction noise impact of the construction site affecting the NSRs in particular Grand Waterfront and Hang Chien Court. | | | |
| | - Please take necessary environmental measures to minimize the noise nuisance. | | | |
| | Details of Investigation and findings | | | |
| 14 and 19 October 2020 | According to the information on the complaint, the noise problem came from the construction works during the daytime and Sunday. Because of this, the construction works conducted on 14 and 18 October 2020 will be investigated. | Oleveni | | |
| (Referred by the Contractor on 30 | - As reported by the Contractor, the construction activities were conducted during the daytime on 14 | Closed | | |
| October 2020) | October 2020 and restricted hours on 18 October 2020, which were: | | | |
| | 14 October 2020 | | | |
| | <u>Daytime (i.e 07:00 - 19:00)</u> | | | |
| | Rock breaking and drill in the shaft area | | | |
| | Grouting | | | |
| | Drilling at traffic deck for observation wells and dewatering wells | | | |
| | 18 October 2020 | | | |
| | 9:00 - 23:00 | | | |
| | Rock Breaking below S6 layer (40m below ground) | | | |
| | Water Pumping | | | |
| | <u>23:00 – 05:30</u> | | | |
| | Rock Breaking below S6 layer (40m below ground) | | | |
| | Water Pumping | | | |
| | <u>5:30 – 07:00</u> | | | |
| | No works was conducted by the Contractor | | | |
| | According to the Contractor's information, mitigation measures for the noise nuisance source were implemented by the Contractor at Ma Tau Kok to | | | |

| | Date received | Subject | Status | Total no. | Total no. |
|------------|---------------|--|--------|-----------|----------------|
| | | | | received | received since |
| | | | | in this | project |
| | | | | month | commencement |
| | | comply with the requirement of the approved Construction Noise Mitigation Measures Plan, such as the movable noise barrier was erected on the specific powered mechanical equipment (hereinafter PME) and Quiet PME was used to conduct the construction works. Besides, more mitigation measures to enhance noise screening performance were also implemented by the Contractor, such as an acoustic deck installed on the Access Shaft Deck. Meanwhile, an additional acoustic panel also installed to cover the small opening of the shaft partially; an acoustic sheet barrier had been erected along the site boundary; ventilation inlet of the Access Shaft Deck was covered by the acoustic fabric; an inflatable noise barrier was erected near one of the remaining openings of the shaft to enhance the performance of noise screening. | | | |
| | | Furthermore, the operation of breaking was only conducted inside the access shaft with the acoustic deck which located around 40m below of the ground level. | | | |
| | | As reported by Contractor, acoustic deck was made by the sheet pile, which filled in concrete, and additional noise absorptive panel was installed underneath the deck to enhance the effectiveness of the noise minimization. | | | |
| | | Based on the EM&A monitoring schedule and the additional environmental monitoring at Grand Waterfront in October 2020, noise monitoring was conducted at EM&A stations and additional monitoring stations at Grand Waterfront on 9 and 15 October. | | | |
| | | Based on the monitoring results on 9 and 15 October 2020, all readings were recorded under the criteria stipulated in EIAO-TM. No Limit level for Noise was triggered. | | | |
| | | As observed by ET's in-situ observation during the monitoring at the EM&A station, the detectable noise sources mostly came from traffic noise from To Kwa Wan Road and noise from the Kowloon Bay and Ma Tau Kok work area was also intermittently heard at E-N12a and E-N21a. | | | |
| | | For the additional monitoring stations at the first and second refuge floors of Grand Waterfront, intermittence breaking noise, which mitigated by the acoustic deck also heard from the Ma Tau Kok. In addition, no breaking activity was observed on the exposed area of Ma Tau Kok. | | | |
| | | Regular site inspections were conducted by ET on 14 and 21 October 2020 with IEC, there were no breaking activity observed on the exposed area at Ma Tau Kok. The detectable noise source was coming from the underground breaking activity but no adverse observation for noise was recorded. Besides, some of mitigation measures for noise were also observed during site inspection. | | | |
| | | For the construction works conducted on 18 October 2020, valid Construction Noise Permit (CNP no.: GW-RE0603-20) had been granted from EPD to cover the operation time of PME for the restricted hour by different group and conditions. | | | |
| Annendiy I | | As reported by the Contractor, except for ventilation fan with enclosure, Sound Power Level ≤ 85dB(A), electric submersible water pump (CNP 283), wastewater treatment plant, Sound Power Level ≤ 80dB(A), electric air blower and electric welding machine, all other PMEs | | | ECOM |

| Date received | Subject | Status | Total no. | Total no. |
|---|---|--------|-----------|----------------|
| | | | received | received since |
| | | | in this | project |
| | | | month | commencement |
| | were only operated inside the shaft with all openings covered by acoustic enclosure. | | | |
| | As reported by the Contractor, proper noise mitigation measures had conducted to comply with the listed condition in the granted CNP, such as all opening of access shaft had been covered by acoustic enclosure for noise screening, the door of a tally room at the Access Shaft had been closed during the nighttime works and specific ventilation fan had been connected to silencers which not less than 8.9m in length. | | | |
| | From the results of the compliance check, no non-compliance was found under the conditions in the granted CNP. | | | |
| | It is considered that the noise mitigation measures had been implemented properly by the Contractor to comply with the requirement of the approved Construction Noise Mitigation Measure Plan during the daytime works and also the terms and condition under the valid CNP during the works conducted during the restricted hours. Besides, no exceedance was found based on the noise monitoring data at the EM&A station and Additional monitoring station at Grand Waterfront and non-compliance was not found on the compliance check with PME list based on the Contractor's information. | | | |
| | Environmental Complaint No: EC-037-CKRKTW20201029_01_C066 | | | |
| | Details of Complaint | | | |
| | Complaint (EPD ref.: K10/RE/00023522-20) was received by Environmental Protection Department on 15 October 2020 and referred by Gammon Construction Limited on 30 October 2020. The complaint related to the noise concern was detailed as follows: - The resident of Grand Waterfront complained that the tunnel works at the site in Kai Tak West caused noise problem after 7pm and also on the holiday of | | | |
| 15 October 2020 (Referred by the Contractor on 30 | October 2020. - Please ensure the works fulfill the relevant environmental legislation and conditions stipulated in the valid construction noise permit. Please ensure the noise mitigation measures proposed in the approved Construction Noise Mitigation Measures Plan are fully properly implemented for the purpose of reducing the construction noise impact of the construction site affecting the NSRs in particular Grand Waterfront and Hang Chien Court. | Closed | | |
| October 2020) | Please take necessary environmental measures to minimize the noise nuisance. | | | |
| | Details of Investigation and findings As the complaint was received by the Environmental Protection Department on 15 October 2020 and notified that the noise problem happened after 7 pm, therefore, the tunnel works conducted on 14 October 2020 during the restricted hour will be investigated. | | | |
| | As reported by the Contractor, the construction activities for tunnel works at Kowloon Bay were conducted during the restricted hours on 1 and 14 October 2020, which were: | | | |
| | 1 October 2020 | | | |
| | From 7:00 to 19:00 | | | |
| | Formwork Erection and Dewatering | | | |

| | Date received | Subject | Status | Total no. | Total no. | | |
|-----------------|----------------|--|------------|-----------|----------------|--|--|
| | | | | received | received since | | |
| | | | | in this | project | | |
| | | | | month | commencement | | |
| | | From 19:00 to 23:00 | | | | | |
| | | Formwork Erection and Dewatering | | | | | |
| | | <u>After 23:00</u> | | | | | |
| | | Dewatering | | | | | |
| | | 14 October 2020 | | | | | |
| | | From 19:00 to 23:00 | | | | | |
| | | U bolt erection and Dewatering | | | | | |
| | | After 23:00 | | | | | |
| | | U bolt erection and Dewatering | | | | | |
| | | Valid Construction Noise Permit (CNP no.: GW-RE0478-20) had been granted from EPD to cover the operation time of powered mechanical equipment (hereinafter PMEs) during the restricted hours by different group and conditions. As reported by the Contractor, some PMEs were used for tunnel construction works at site during the restricted hours. | | | | | |
| | | From the results of the compliance check, no non-compliance was found under the conditions in the granted CNP. Besides, operated mobile crane also obtained the Quality Powered Mechanical Equipment Label (QPME) showing a Sound Power level of ≤104dB(A). | | | | | |
| | | It is considered that the noise mitigation measures had been implemented properly by the Contractor to comply with the terms and condition under the valid CNP during the works conducted during the restricted hours. Besides, no non-compliance was found on the compliance check with PME list based on the Contractor's information. | | | | | |
| Notification of | | - | | 0 | 0 | | |
| summons | | | | | | | |
| Successful | | <u></u> | | 0 | 0 | | |
| prosecutions | - - | - | - - | J | 0 | | |

APPENDIX M

Monthly Summary Waste Flow Table

Appendix M Monthly Summary Waste Flow Table

Monthly Summary Waste Flow Table for 2020

| Month - | | Actual Quantities of Inert C&D Materials Generated Monthly (Note 1) | | | | | | | | | | Wastes) Generated Monthly | | | | | Actual Quantities of Contaminated Soil Monthly | Actual Quantities of Land-based Sediment Monthly | | Actual Quantities of Marine-based sediment Monthly | | | | |
|---------------------|--------------------------|---|-----------------------|-----------------------|-----------------------|---------------------------------|-------------------------------|---------------------------------|-----------------------|-----------------------|-----------------------|---------------------------|----------|------------------------------------|----------|-------------------|---|--|-----------------------|--|---|---|--|----------------------------------|
| | Generated | | | | | Disposed | | | | Reused | | | Recycled | | | Disposed | | Reused | Reused | Disposed | | Disposed | | |
| | Fill Artificial Material | | Total | | Disposed | Disposed | | Reused in | Reused in | Total | | Paper/ | | 01 | General | | Reused in the Contract | Disposed at Designated Site | | Disposed at Designated Site | | | | |
| | Soil and Rock | Broken Concrete | Asphalt | Building Derbis | Quantity Generated | as Public Fills at TKO137 | as Public Fills at TM38 | as Public Fills at CWPFBP | Quantity Disposal | the Contract | Other Projects | Quantity Reused | Metals | cardboard packaging (Note 3) | Plastics | Chemical Waste | Refuse (Note 2) | Reused in the Contract | Type 1 (Cat. L) | Type 1 (Cat. M _p) | Type 2 (Cat. M _f , Cat. H) | Type 1 (Cat. L, Cat. M _p) | Type 2 (Cat. M _f , Cat. H, Cat. H _p) | Type 3 (Cat. H _f) |
| Unit | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000Kg) | ('000Kg) | ('000Kg) | ('000L) | ('000Kg) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) | ('000m ³) |
| Jan | 35.394 | 0.008 | 0.000 | 0.000 | 35.402 | 0.000 | 0.031 | 0.000 | 0.031 | 0.000 | 35.371 | 35.371 | 33.130 | 0.180 | 0.000 | 0.000 | 21.510 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.309 | 0.000 |
| Feb | 48.036 | 0.000 | 0.023 | 0.000 | 48.058 | 0.000 | 1.065 | 0.000 | 1.065 | 0.000 | 46.993 | 46.993 | 0.000 | 0.000 | 0.000 | 0.000 | 13.800 | 0.000 | 0.000 | 0.000 | 0.000 | 0.724 | 4.126 | 0.000 |
| Mar | 40.020 | 0.008 | 0.000 | 0.000 | 40.029 | 5.760 | 0.024 | 0.000 | 5.784 | 0.000 | 34.245 | 34.245 | 0.000 | 0.214 | 0.000 | 0.000 | 33.740 | 0.000 | 0.000 | 0.000 | 0.000 | 6.496 | 8.543 | 0.000 |
| Apr | 46.955 | 0.003 | 0.002 | 0.000 | 46.960 | 24.984 | 0.895 | 0.000 | 25.879 | 0.000 | 21.081 | 21.081 | 0.000 | 0.172 | 0.000 | 1.400 | 38.070 | 0.000 | 0.000 | 0.000 | 0.000 | 10.151 | 8.900 | 0.000 |
| May | 46.664 | 0.007 | 0.074 | 0.000 | 46.745 | 35.045 | 5.697 | 0.000 | 40.742 | 0.000 | 6.003 | 6.003 | 0.000 | 0.000 | 0.000 | 0.000 | 36.930 | 0.000 | 0.000 | 0.000 | 0.000 | 6.134 | 1.051 | 0.000 |
| Jun | 63.995 | 0.068 | 0.000 | 0.000 | 64.063 | 42.410 | 17.309 | 0.000 | 59.719 | 0.000 | 4.343 | 4.343 | 13.330 | 0.000 | 0.000 | 0.000 | 46.060 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| SUB-TOTAL | 281.064 | 0.094 | 0.099 | 0.000 | 281.257 | 108.199 | 25.021 | 0.000 | 133.220 | 0.000 | 148.036 | 148.036 | 46.460 | 0.566 | 0.000 | 1.400 | 190.110 | 0.000 | 0.000 | 0.000 | 0.000 | 23.505 | 22.929 | 0.000 |
| Jul | 55.313 | 0.008 | 0.000 | 0.000 | 55.321 | 42.107 | 8.908 | 0.000 | 51.015 | 0.000 | 4.306 | 4.306 | 51.140 | 0.237 | 0.000 | 0.000 | 56.340 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Aug | 30.427 | 0.011 | 0.000 | 0.000 | 30.438 | 27.996 | 0.517 | 0.000 | 28.512 | 0.593 | 1.333 | 1.926 | 60.160 | 0.000 | 0.000 | 0.000 | 48.120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Sep | 19.263 | 0.009 | 0.018 | 0.000 | 19.290 | 13.582 | 0.009 | 0.000 | 13.592 | 1.746 | 3.953 | 5.699 | 283.970 | 0.259 | 0.000 | 1.200 | 67.380 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.319 | 1.097 |
| Oct | 1.786 | 0.045 | 0.031 | 0.000 | 1.862 | 0.302 | 0.000 | 0.000 | 0.302 | 0.163 | 1.397 | 1.560 | 60.330 | 0.000 | 0.000 | 0.000 | 82.250 | 0.000 | 0.000 | 0.000 | 0.000 | 2.401 | 3.835 | 0.000 |
| Nov | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Dec | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| TOTAL in 2018 | 6.289 | 0.462 | 0.408 | 0.121 | 7.282 | 0.000 | 6.010 | 0.000 | 6.010 | 0.000 | 1.272 | 1.272 | 94.284 | 0.120 | 0.017 | 6.600 | 283.760 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.417 | 0.000 |
| TOTAL in 2019 | 187.465 | 0.023 | 3.686 | 0.000 | 191.174 | 0.000 | 3.801 | 0.000 | 3.801 | 27.868 | 159.505 | 187.373 | 275.583 | 1.888 | 1.259 | 11.600 | 436.940 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 13.455 | 4.977 |
| TOTAL in 2020 | 387.853 | 0.167 | 0.148 | 0.000 | 388.168 | 192.186 | 34.455 | 0.000 | 226.641 | 2.502 | 159.025 | 161.527 | 502.060 | 1.062 | 0.000 | 2.600 | 444.200 | 0.000 | 0.000 | 0.000 | 0.000 | 25.906 | 29.083 | 1.097 |
| CUMULATIVE TOTAL | 581.607 | 0.652 | 4.242 | 0.121 | 586.624 | 192.186 | 44.266 | 0.000 | 236.452 | 30.370 | 319.802 | 350.172 | 871.927 | 3.070 | 1.276 | 20.800 | 1164.900 | 0.000 | 0.000 | 0.000 | 0.000 | 25.906 | 44.955 | 6.074 |

Notes:

^{1.} Assume the density of fill is 2 ton/m³.

^{2.} Refuse disposed to NENT landfill.