



H2H Express Submarine Cable



Baseline Water Quality Monitoring Report
(Zone A)

24 March 2021

Project No.: 0586211

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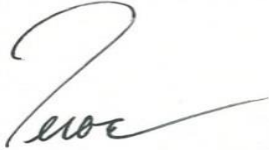
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24 March 2021

H2H Express Submarine Cable

Baseline Water Quality Monitoring Report (Zone A)



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**Environmental Permit No. EP-575/2020
H2H Express (H2HE) Submarine Cable
Environmental Team Leader Certification**

Reference Document/Plan

Document/ Plan to be Certified/ Verified :	Baseline Water Quality Monitoring Report (Zone A)
Date of Report:	24 March 2021
Prepared by ET:	ERM-Hong Kong Ltd

Reference EP Requirement

EP Condition:	Conditions No. 3.2 – 3.3
<i>Content:</i>	<i>Water Quality Monitoring</i>
3.2	Samples, measurements and necessary remedial actions shall be taken in accordance with the EM&A requirements described in the Project Profile (Register No.: PP-599/2020) by: <ul style="list-style-type: none">(a) conducting baseline environmental monitoring;(b) conducting impact monitoring;(c) conducting post project monitoring; and(d) carrying out remedial actions described in the Event/Action Plans, or as agreed by the Director, in case where specified criteria are exceeded.
3.3	The Permit Holder shall submit to the Director three hard copies and one electronic copy of the following reports as defined in the EM&A requirements described in the Project Profile (Register No.: PP-599/2020): <ul style="list-style-type: none">(a) Baseline Monitoring Report on water quality at least 2 weeks before the commencement of cable installation works;(b) Weekly EM&A Report within five days after the relevant monitoring data are collected and audited by IEC; and(c) Post Project Monitoring Report within one month after completion of the marine works.

ET Certification

I hereby certify that the above referenced document/~~plan~~ complies with the above referenced condition of EP-575/2020.



Mandy To, Environmental Team
Leader

Date: 23 March 2021

**Environmental Permit No. EP-575/2020
H2H Express (H2HE) Submarine Cable
Independent Environmental Checker Verification**

Reference Document/Plan

Document/ Plan to be Certified/ Verified :	Baseline Water Quality Monitoring Report (Zone A)
Date of Report:	24 March 2021
Received by IEC:	Ecosystems Ltd

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IEC Verification

I hereby verify that the above referenced document/~~plan~~ complies with the above referenced condition of EP-575/2020.



Vincent Lai, Independent
Environmental Checker:

Date: 24 March 2021

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EXECUTIVE SUMMARY

Baseline Water Quality Monitoring (Zone A)

Baseline water quality (WQ) monitoring in Zone A was conducted between 17 February and 15 March 2021 at five (5) designated monitoring stations (including two [2] Sensitive Receiver Stations, two [2] Gradient Station and one [1] Control Stations). The monitoring was carried out three (3) days per week for four (4) consecutive weeks, at mid-flood and mid-ebb tides, at three (3) depths (surface, middle and bottom). The intervals between two (2) sets of monitoring were not less than 36 hours. During the monitoring period, no major activities influencing water quality were observed in the vicinity of the Project's marine works area.

Water quality monitoring results are, therefore, considered to be representative of the current baseline conditions of the area where Phase 1 / Zone A marine cable installation will be undertaken for the Project.

In accordance with *Appendix G* of the Project Profile (PP), the baseline monitoring results have been used to determine the Action and Limit Levels for Dissolved Oxygen (DO), Suspended Solids (SS) and Turbidity for the impact water quality monitoring works, which will be conducted during the H2HE Project marine installation works. The water quality Action and Limit Levels for Zone A are summarized in **Table 1** below.

Table 1 Action and Limit Level for Water Quality – Zone A

Parameter	Action Level	Limit Level
SS in mgL ⁻¹ (Depth-averaged)	4.1 mg L ⁻¹ , or 20% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher	4.9 mg L ⁻¹ , or 30% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher
DO in mgL ⁻¹	<u>Surface and Middle</u> 6.98 mg L ⁻¹ <u>Bottom</u> 6.89 mg L ⁻¹	<u>Surface and Middle</u> 4 mg L ⁻¹ <u>Bottom</u> 2 mg L ⁻¹
Turbidity in NTU (Depth-averaged)	3.6 NTU, or 20% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher	5.0 NTU, or 30% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher

Notes:

- For DO, non-compliance of the water quality limits occurs when the monitoring result is lower than the limits.
- "Depth-averaged" is calculated by taking the arithmetic means of reading of all sampled depths.
- For SS and turbidity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- The Action and Limit Level for DO for surface and middle layer were calculated from the combined pool of baseline surface layer data and baseline middle layer data.

1. INTRODUCTION

1.1 Background

The proposed submarine cable is a section of the H2H Express submarine optical fibre cable system (hereafter known as 'H2HE' and / or the Project), which is over 680 kilometers long in total. The system will further boost the external telecommunications capacity of Hong Kong, reinforcing Hong Kong as a key communication hub in Asia.

The cable will connect to Chung Hom Kok (CHK) within the HKSAR. **China Mobile International (CMI)** is providing the cable landing point and the associated cable landing services in Hong Kong.

The route of the proposed H2HE submarine cable system within Hong Kong SAR is depicted in **Figure 1.1**. The proposed cable would land at an existing Beach Manhole (BMH) location at Sha Shek Tan (SST), CHK, and connect to an existing Cable Landing Station (CLS). Further detail of the landing site location is presented in **Figure 1.2**.

It should be noted that CHK is currently the landing site for a number of submarine cables (i.e. New T&T domestic cable route, C2C Cable network; and SJC). The existing BMH is connected to the CLS on the hill above the landing beach and existing conduits connect the BMH and CLS.

The cable will travel from SST of CHK southward, exiting Stanley Bay, running south-east, passing the Stanley Peninsular, turning east near the south of Po Toi Island, to the eastern boundary of HKSAR waters, where it will enter the South China Sea.

The Project Profile (PP-599/2020) which includes an assessment of the potential environmental impacts associated with the installation of the submarine telecommunications cable system within HKSAR (including connection to land at CHK) was prepared and submitted to the Environmental Protection Department (EPD) under section 5(1)(b) and 5(11) of the *Environmental Impact Assessment Ordinance* (EIAO) for the application for Permission to apply directly for Environmental Permit (EP). On 17 April 2020, EPD issued a letter to CMI permitting direct application for an environmental permit and following an application, EPD subsequently issued an Environmental Permit (EP-575/2020) on 21 May 2020.

Pursuant to *Condition 3.1* of the EP, an Environmental Monitoring and Audit (EM&A) programme, as set out in the Project Profile (PP) is required for this Project, with baseline water quality monitoring data collected prior to the start of cable installation works, and Action and Limit Levels derived from these data.

The H2HE cable installation is scheduled to be carried out in two (2) phases, with Phase 1 covering land & shore-end works and up to end of Zone A, and Phase 2 covering the remaining marine works of the submarine cable installation. The phasing of the cable installation works is shown in **Figure 1.3** to **Figure 1.5**.

Given the commencement dates between Phase 1 and Phase 2 cable installations are currently scheduled to start at least two (2) months apart, it is recommended to present the baseline water quality monitoring data in separate reports for each Phase (i.e. Only Zone A for Phase 1, as shown in **Figure 1.4**). The corresponding Action and Limit Levels will also be derived from the baseline water quality monitoring data for each Zone.

The tentative schedule is as follows (following the approved Project Profile (PP), refer to *Section 2.1.1* for further details):

- 1) **Phase 1 Land & Shore-End Cable Installation and Submarine Cable Installation up to end of Zone A:** Shore-end cable installation to the BMH at SST, CHK, involving land trench excavation and shore-end cable installation of the H2HE submarine cable (i.e. from seaward edge of the beach to approximately 300 m out from the BMH) using diver jetting. Installation of the H2HE submarine cable from shore-end to the end of Zone A (i.e. HK Grid coordinate

838858.620E 806852.911N / at 1.933 km from the landing point), using injector burial tools / sledge tools for simultaneous lay and burial operations.

- a. Land trenching and nearshore marine diver jetting works tentatively scheduled from 3 to 8 April 2021.
 - b. Marine installation works up to end of Zone A using jetting technique tentatively scheduled from 7 to 12 April 2021.
- 2) **Phase 2 Remaining Submarine Cable Installation:** Installation of the H2HE submarine cable from the end of Zone A (i.e. HK Grid coordinate 838858.620E 806852.911N / at 1.933 km from the landing point), to HKSAR marine eastern boundary, using injector burial tools/ sledge tools for simultaneous lay and burial operations, and potential diver jetting in specific areas (e.g. HK Electric Pipeline crossing).
- a. Remaining marine installation works from end of Zone A to the HKSAR marine eastern boundary using jetting technique tentatively scheduled from 22 June 2021 to 15 July 2021.

1.2 Purpose of this Report

The purpose of this *Baseline Water Quality Monitoring Report – Zone A* is to determine the baseline marine water quality at the designated monitoring locations around the Project works area for Phase 1 prior to the commencement of the Phase 1 Project marine installation works in Zone A. These baseline conditions are used to determine Action and Limit Levels which are used as the basis for assessing water quality impacts, if any, and for compliance monitoring during the Phase 1 Project marine installation works.

Under the requirement of *Condition 3.3(a)* of the EP, the baseline monitoring report on water quality shall be prepared and submitted to the EPD at least two (2) weeks before the commencement of cable installation works.

This baseline EM&A exercise covers only Zone A as stipulated in *Table G2.1* of the approved PP. A separate EM&A exercise will be conducted for Phase 2 cable installation, covering Zone B before the commencement of the Phase 2 cable installation.

1.3 Structure of this Report

The remainder of the report is structured as follows:

Section 1: Introduction

Provide details of the background, purpose and structure of the report.

Section 2: Water Quality Monitoring

Summarize the water quality monitoring locations, frequency, monitoring methodology and baseline monitoring results, and establish the Action and Limit Levels in accordance with the *Project Profile*.

Section 3: Conclusion

Conclude the representativeness of the baseline monitoring results and observations for the Project.

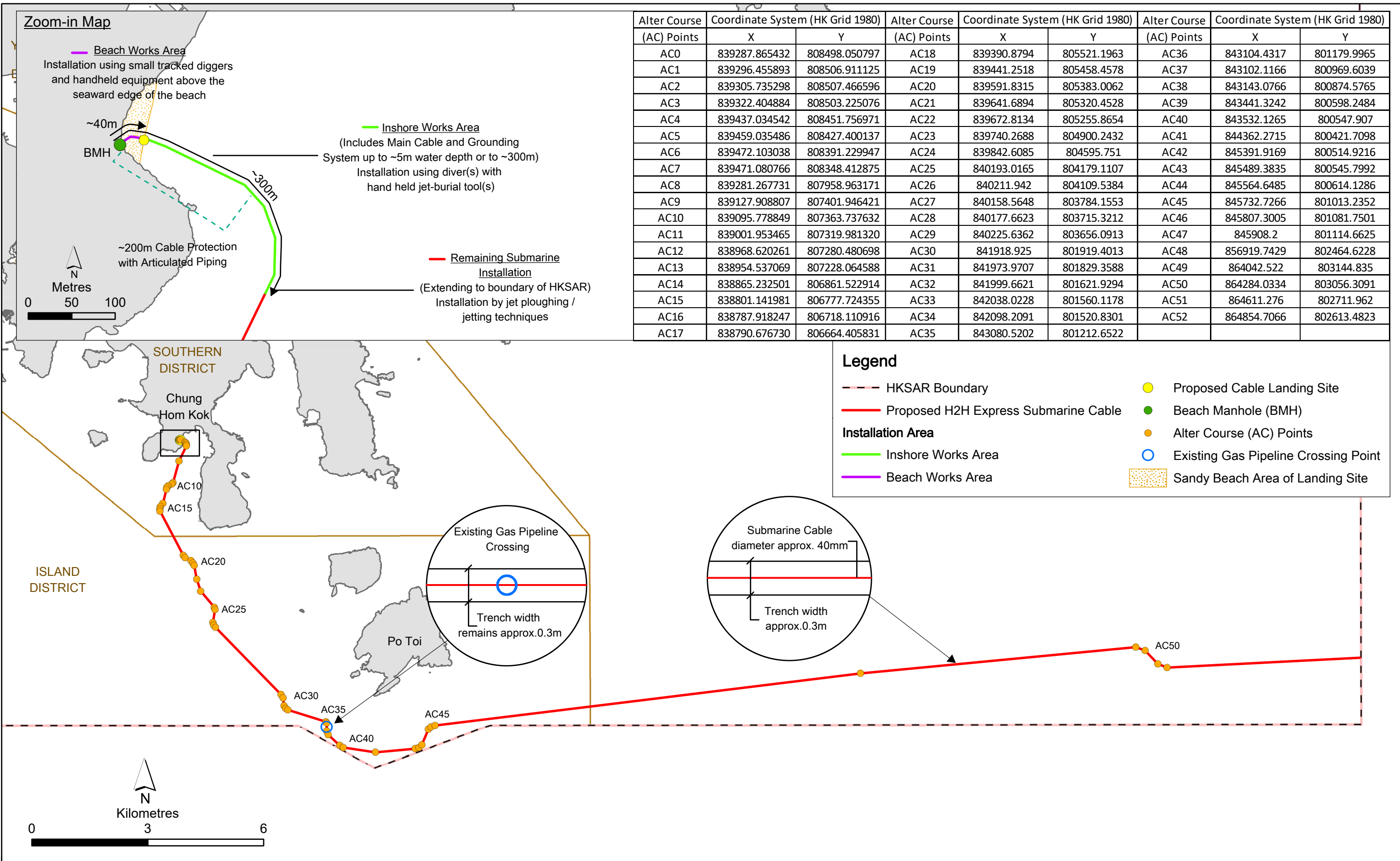


Figure 1.1

Proposed H2H Express Submarine Cable

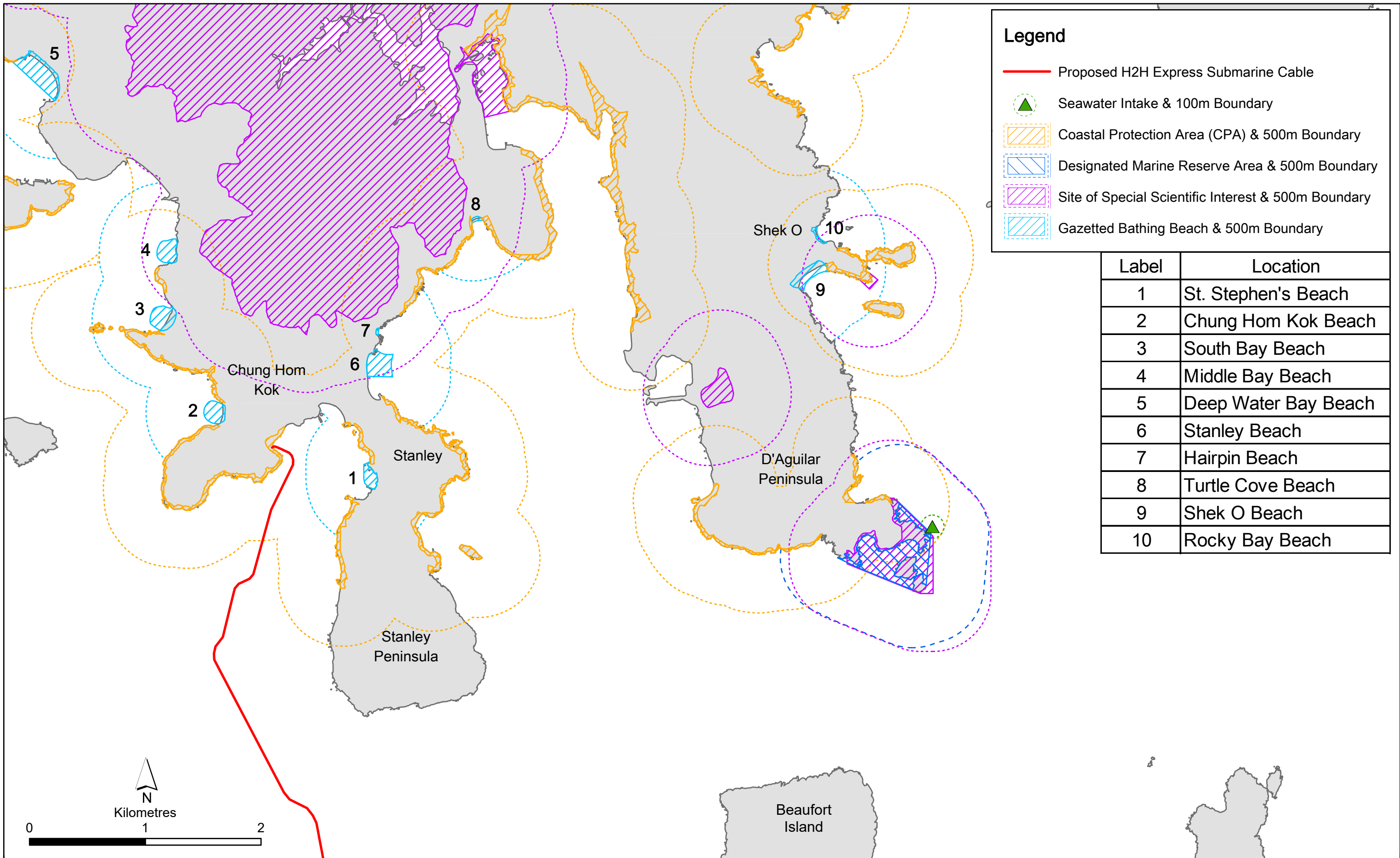


Figure 1.2

Proposed H2H Express Submarine Cable Landing at Chung Hom Kok - Designated Project Elements

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Date: 18/3/2021

**Environmental
Resources
Management**



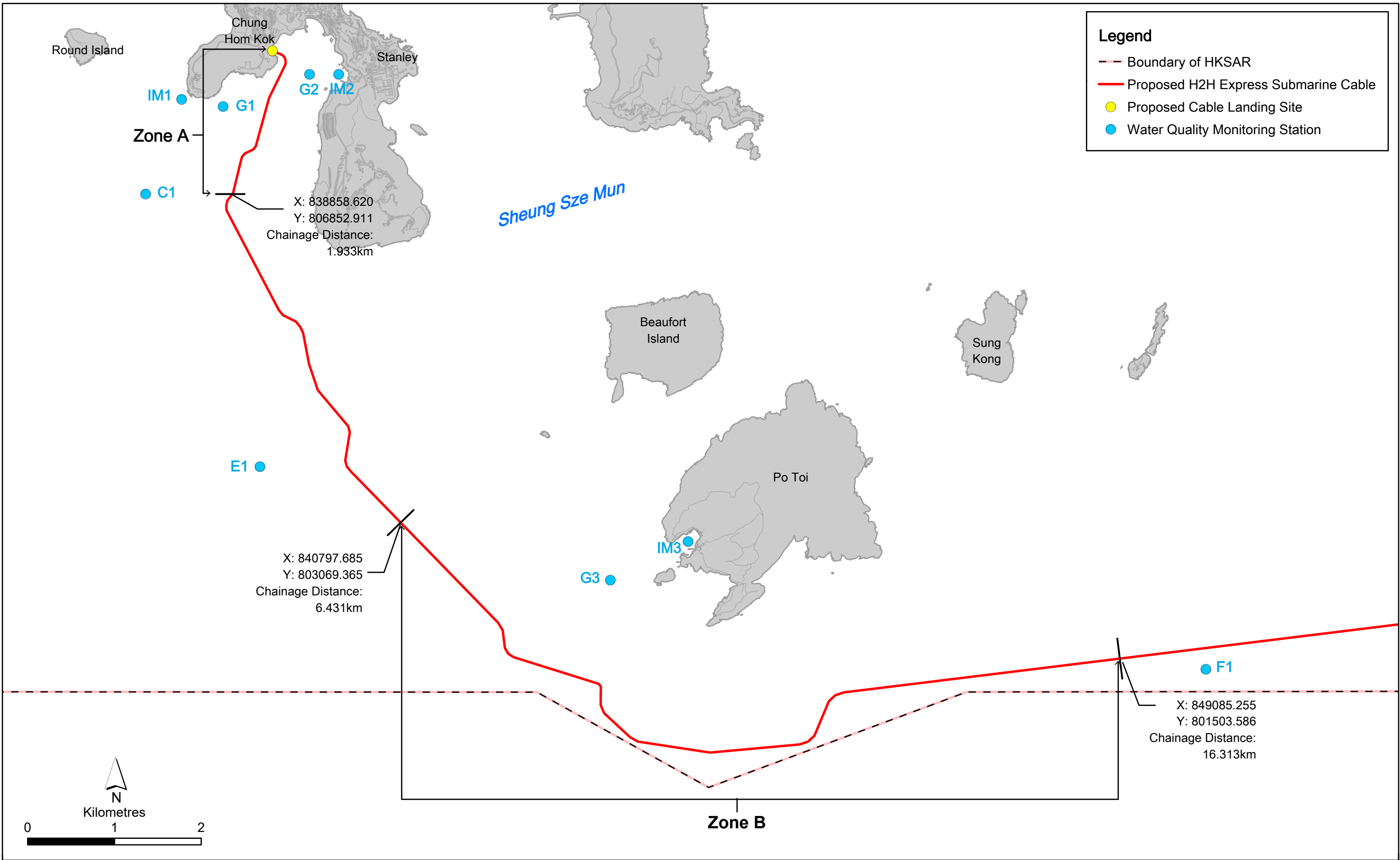


Figure 1.3

Water Quality Monitoring Stations

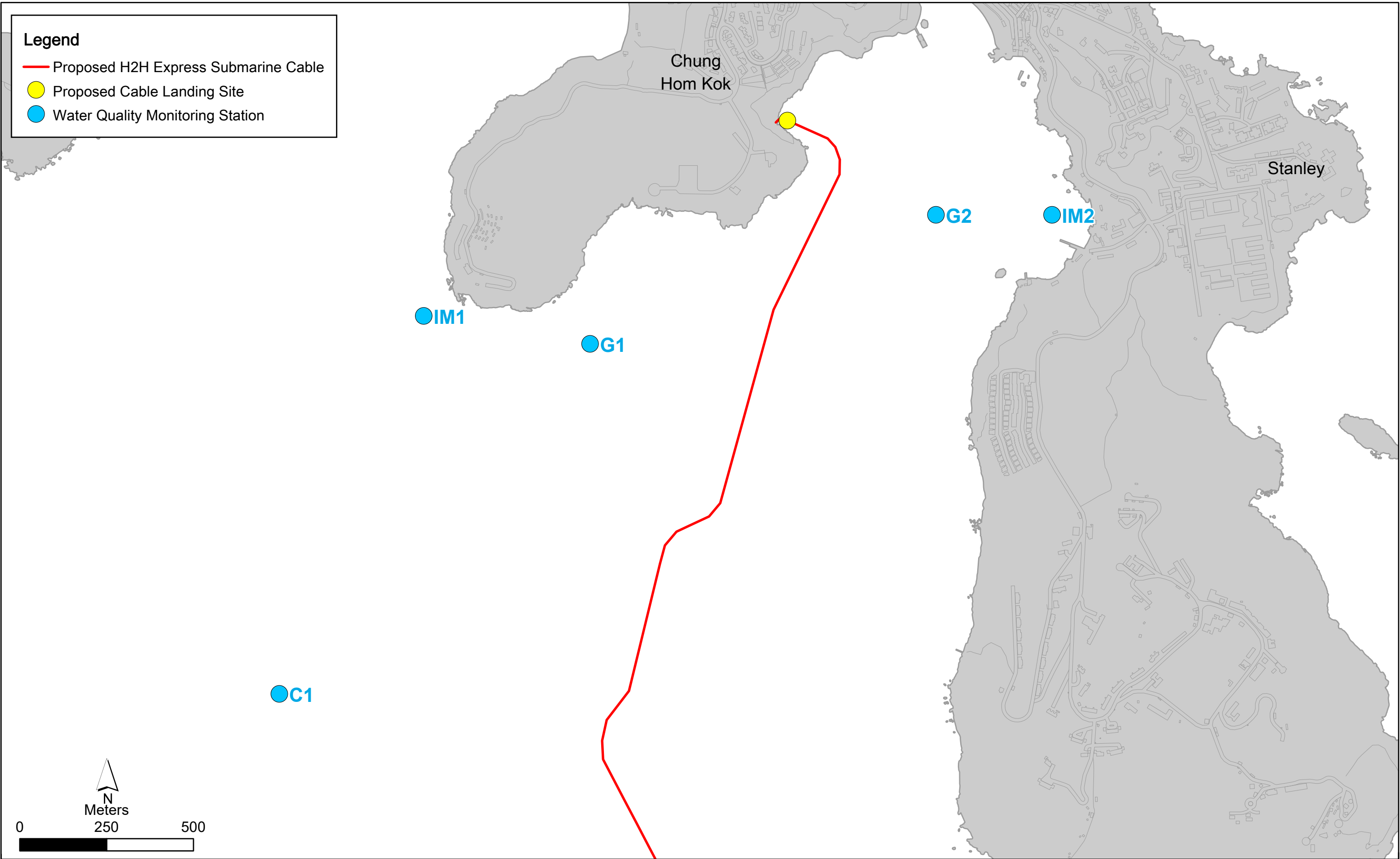


Figure 1.4

Water Quality Monitoring Stations - Zone A

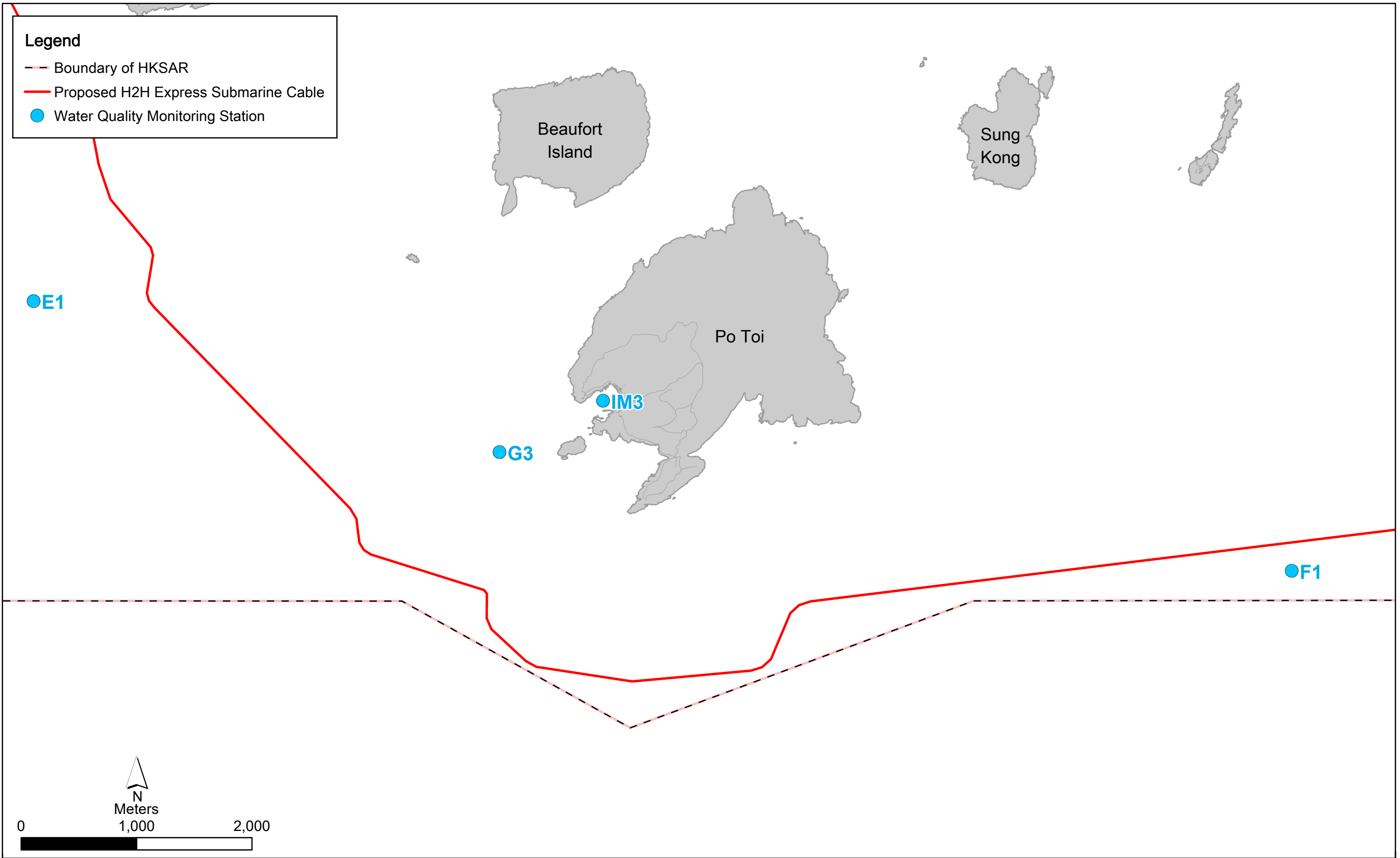


Figure 1.5

Water Quality Monitoring Stations - Zone B

2. WATER QUALITY MONITORING

2.1 Monitoring Location

Baseline water quality monitoring in Zone A was conducted prior to the commencement of Project marine installation works at the monitoring stations listed in **Table 2.1** and shown in **Figure 1.3** and **Figure 1.4**.

Table 2.1 Water Quality Monitoring Stations

Station	Nature	Approx. Geodesic Distance ⁽¹⁾ to Proposed Cable Alignment (m)	Easting	Northing
Zone A: The waters near Stanley Bay Covers the cable alignment between Chainage 0 and 1.933 km.				
IM1	Coral sites along the coast of Chung Hom Kok	960	838275	807941
IM2	Saint Stephen's Beach	620	840083	808232
G1	Gradient Stations (Between Coral sites along the coast of Chung Hom Kok and cable alignment)	480	838753	807861
G2	Gradient Stations (Between Saint Stephen's Beach and cable alignment)	300	839749	808232
C1 ⁽²⁾	Control Station for Zone A	940	837859	806853

Note:

- (1) Geodesic distance refers to the shortest straight line distance between two locations, without regard on the physical obstacles in between.
(2) This station will also serve as monitoring stations for Spawning Ground of Commercial Fisheries Resources.

2.2 Sampling and Testing Methodology

2.2.1 Parameters Measured

The parameters measured *in situ* were:

- dissolved oxygen (DO) (% saturation and mgL⁻¹)
- temperature (°C)
- turbidity (NTU)
- salinity (‰ or ppt)

The only parameter to be measured in the laboratory was:

- suspended solids (SS) (mgL⁻¹)

In addition to the water quality parameters, other relevant data had also been measured and recorded in field logs, including the location of the sampling stations and cable vessel/ burial machine at the time of sampling, water depth, time, weather conditions, sea conditions, tidal state, current direction and speed, special phenomena and work activities undertaken around the monitoring and works area that may influence the monitoring results.

2.2.2 Equipment

Table 2.2 summaries the equipment used for the baseline water quality monitoring.

Table 2.2 Equipment used during Baseline Water Quality Monitoring (Zone A)

Equipment	Model
Global Positioning Device	Garmin etrex 20x
Water Depth Gauge	Sontek Riversurveyor
Water Sampling Equipment	Aquatic Research Instruments horizontal / vertical types 2.2L
Salinity, DO, Temperature Measuring Meter	YSI ProDSS (Multi-Parameter)
Current Velocity and Direction	Sontek Riversurveyor
Turbidity Meter	YSI ProDSS (Multi-Parameter)

2.2.3 Monitoring Frequency and Timing

The water quality monitoring was carried out three (3) days per week for four (4) consecutive weeks, before the commencement of cable installation. The interval between two (2) sets of monitoring was no less than 36 hours and samples were taken twice during a 4 hour window of 2 hours before and 2 hours after a mid-flood and mid-ebb tidal state on each sampling occasion.

Reference was made to the predicted tides at Waglan Island, which is the tidal station nearest to the Project Site, published on the website of the Hong Kong Observatory ⁽¹⁾. Based on the predicted tidal levels at Waglan Island, the baseline water quality monitoring was conducted between 17 February and 15 March 2021, following the schedule presented in **Appendix A**.

2.2.4 Sampling / Testing Protocols

All *in situ* monitoring instruments were checked, calibrated and certified by a laboratory accredited under HOKLAS (Quality Pro Test-Consult Limited) before use (see calibration reports in **Appendix B**), and will subsequently be re-calibrated at-monthly intervals throughout all stages of the water quality monitoring. Responses of sensors and electrodes were checked with certified standard solutions before each use.

For the on-site calibration of field equipment, the *BS 1427: 1993, Guide to Field and On-Site Test Methods for the Analysis of Waters* were observed. Sufficient stocks of spare parts shall be maintained for replacements when necessary. Backup monitoring equipment were made available so that monitoring could proceed uninterrupted even when equipment is under maintenance, calibration etc.

Water samples for SS 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.

At least two (2) replicate samples were collected from each of the monitoring events for *in situ* measurement and lab analysis.

2.2.5 Laboratory Analysis

All laboratory work was carried out in a HOKLAS accredited laboratory (ALS Technichem (HK) Pty Ltd). Water samples of about 1,000 mL were collected at the monitoring, gradient and control stations for carrying out the laboratory determinations. The determination work shall start within the next

(1) Hong Kong Observatory (2021) <http://www.hko.gov.hk/tide/predtide.htm?s=WAG> [Accessed in February 2021]

working day after collection of the water samples. The SS laboratory measurements were provided within five (5) days of the sampling event. The analyses followed the standard methods as described in *APHA Standard Methods for the Examination of Water and Wastewater, 19th Edition*, unless otherwise specified (APHA 2540D for SS).

The submitted information should included pre-treatment procedures, instrument use, Quality Assurance/Quality Control (QA/QC) details (such as blank, spike recovery, number of duplicate samples per-batch etc.), detection limits and accuracy. The QA/QC details were in accordance with requirements of HOKLAS or another internationally accredited scheme (**Appendix C**).

2.2.6 Sampling Depths

At each station, measurements and water samples were taken at three (3) depths, namely 1 m below water surface, mid-depth and 1 m above seabed. For stations that are less than 3 m in depth, only the mid-depth sample was taken. For stations that are less than 6 m in depth, only the surface and seabed sample was taken.

2.2.7 Baseline Monitoring Results

The monitoring data and graphical presentations for baseline water quality monitoring are provided in **Appendix D**. No marine construction activities were observed in the vicinity of the monitoring stations during the baseline monitoring. No other major activities influencing water quality were identified during the monitoring period, and sea conditions were moderate during the baseline monitoring period.

The observations from the baseline monitoring results are as following:

- For all monitoring stations, water quality was variable throughout the baseline monitoring period and this represented natural fluctuation in water quality;
- DO levels were recorded to stay at a similar level across all the monitoring stations within the baseline monitoring period;
- DO levels at all depths were generally high for all samples; DO saturation recorded was around 100% throughout the monitoring period and the minimum DO level recorded was over 6 mg L⁻¹;
- Variations of Turbidity and SS levels were observed within the baseline monitoring period;
- Range of Turbidity is around 1 - 5 NTU and range of SS is 1 - 8 mg L⁻¹.

2.2.8 Action and Limit Levels

The Action and Limit Levels were set in *Appendix G* of the PP, and the proposed Action and Limit Levels were determined as shown in **Table 2.3**.

Table 2.3 Action and Limit Level for Water Quality

Parameter	Action Level	Limit Level
SS in mgL ⁻¹ (Depth-averaged)	95%-ile of baseline data, or 20% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher	99%-ile of baseline data, or 30% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher

Parameter	Action Level	Limit Level
DO in mgL ⁻¹	<u>Surface and Middle</u> 5%-ile of baseline data for surface or middle layer <u>Bottom</u> 5%-ile of baseline data for bottom layers	<u>Surface and Middle</u> 4mg/L or 1%-ile of baseline for surface and middle layer, whichever is lower <u>Bottom</u> 2mg/L or 1%-ile of baseline data for bottom layer whichever is lower
Turbidity in NTU (Depth-averaged)	95%-ile of baseline data, or 20% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher	99%-ile of baseline data, or 30% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher

Notes:

- For DO, non-compliance of the water quality limits occurs when the monitoring result is lower than the limits.
- “Depth-averaged” is calculated by taking the arithmetic means of reading of all sampled depths.
- For SS and turbidity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- Limit level for DO was derived from the Water Quality Objectives (WQO) for Southern, Eastern Buffer, and Mirs Bay Water Control Zones under the Water Pollution Control Ordinance (WPCO) Chapters 358L, 358Y, and 358I respectively.

Action and Limit Levels have been determined based on the baseline water quality monitoring data for all monitoring stations in Zone A collected between February and March 2021. The results are presented in **Table 2.4**. Please note that the results are used to determine the Action and Limit Levels for the Phase 1 Project marine installation works to be undertaken in Zone A.

Table 2.4 Action and Limit Level for Water Quality – Zone A

Parameter	Action Level	Limit Level
SS in mgL ⁻¹ (Depth-averaged)	4.1 mg L ⁻¹ , or 20% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher	4.9 mg L ⁻¹ , or 30% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher
DO in mgL ⁻¹	<u>Surface and Middle</u> 6.98 mg L ⁻¹ <u>Bottom</u> 6.89 mg L ⁻¹	<u>Surface and Middle</u> 4 mg L ⁻¹ <u>Bottom</u> 2 mg L ⁻¹
Turbidity in NTU (Depth-averaged)	3.6 NTU, or 20% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher	5.0 NTU, or 30% exceedance of value at any impact station compared with corresponding data from control station, whichever monitoring result is higher

Notes:

- For DO, non-compliance of the water quality limits occurs when the monitoring result is lower than the limits.
- “Depth-averaged” is calculated by taking the arithmetic means of reading of all sampled depths.
- For SS and turbidity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- The Action and Limit Level for DO for surface and middle layer were calculated from the combined pool of baseline surface layer data and baseline middle layer data.

3. CONCLUSION

Baseline water quality monitoring in Zone A was conducted between 17 February and 15 March 2021 at five (5) designated monitoring stations (including two [2] Sensitive Receiver Stations, two [2] Gradient Station and one [1] Control Stations). The monitoring was carried out three (3) days per week for four (4) consecutive weeks, at mid-flood and mid-ebb tides, at three (3) depths (surface, middle and bottom). The intervals between two (2) sets of monitoring were not less than 36 hours. During the monitoring period, no major activities influencing water quality were observed in the vicinity of the Project's marine works area. Water quality monitoring results are, therefore, considered to be representative of the current baseline conditions of the area where Phase 1 marine cable installation will be undertaken for the Project in Zone A.

The baseline monitoring results were used to determine the Action and Limit Levels for the DO, SS and Turbidity for impact monitoring to be conducted at Zone A during Phase 1 Project cable installation works.

**APPENDIX A BASELINE WATER QUALITY MONITORING SCHEDULE
(ZONE A)**

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		ebb tide 1:31 - 5:01 flood tide 8:01 - 12:01		ebb tide 20:57 - 0:57 flood tide 8:57 - 12:57		
15-Feb	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb
ebb tide 19:45 - 23:45 flood tide 7:33 - 11:33		ebb tide 20:57 - 0:57 flood tide 8:44 - 12:44		ebb tide 22:16 - 2:16 flood tide 15:16 - 19:16		
22-Feb	23-Feb	24-Feb	25-Feb	26-Feb	27-Feb	28-Feb
ebb tide 11:48 - 15:48 flood tide 6:04 - 10:04		ebb tide 13:16 - 17:16 flood tide 7:11 - 11:11		ebb tide 15:14 - 19:14 flood tide 8:28 - 12:28		
01-Mar	02-Mar	03-Mar	04-Mar	05-Mar	06-Mar	07-Mar
ebb tide 19:42 - 23:42 flood tide 7:30 - 11:30		ebb tide 21:03 - 1:03 flood tide 13:55 - 17:55		ebb tide 22:20 - 2:20 flood tide 15:38 - 19:38		
08-Mar	09-Mar	10-Mar	11-Mar	12-Mar	13-Mar	14-Mar
ebb tide 11:44 - 15:44 flood tide 5:49 - 9:49						
15-Mar						
					Appendix A H2HE Baseline Water Quality Schedule (Zone A)	

**APPENDIX B CALIBRATION REPORTS OF MULTI-PARAMETER
SENSOR**



REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA030005
Date of Issue : 01 March 2021
Page No. : 1 of 2

PART A – CUSTOMER INFORMATION

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

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 16H104233
Date of Received : Feb 25, 2021
Date of Calibration : Feb 25, 2021
Date of Next Calibration^(a) : May 24, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

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

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.03	0.03	Satisfactory
7.42	7.44	0.02	Satisfactory
10.01	9.90	-0.11	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.0	0.0	Satisfactory
21	20.7	-0.3	Satisfactory
41	40.9	-0.1	Satisfactory

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

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

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


LEE Chun-ning, Desmond
Senior Chemist



REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

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PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.21	0.01	-0.20	Satisfactory
4.55	4.56	0.01	Satisfactory
6.42	6.21	-0.21	Satisfactory
8.78	8.49	-0.29	Satisfactory

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

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)	Results
0.001	146.9	146.6	-0.20	Satisfactory
0.01	1412	1440	1.98	Satisfactory
0.1	12890	12717	-1.34	Satisfactory
0.5	58670	58394	-0.47	Satisfactory
1.0	111900	112033	0.12	Satisfactory

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

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.91	-0.90	Satisfactory
20	19.63	-1.85	Satisfactory
30	30.20	0.67	Satisfactory

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

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.16	--	Satisfactory
10	10.19	1.9	Satisfactory
20	20.36	1.8	Satisfactory
100	99.78	-0.2	Satisfactory
800	798.12	-0.2	Satisfactory

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

~ END OF REPORT ~

Remark(s): -

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

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



REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

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Date of Issue : 01 March 2021
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PART A – CUSTOMER INFORMATION

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

PART B – DESCRIPTION

Name of Equipment : YSI ProDSS (Multi-Parameters)
Manufacturer : YSI (a xylem brand)
Serial Number : 18A104824
Date of Received : Feb 25, 2021
Date of Calibration : Feb 25, 2021
Date of Next Calibration^(a) : May 24, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

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

PART D – CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

Target (pH unit)	Displayed Reading ^(d) (pH Unit)	Tolerance ^(e) (pH Unit)	Results
4.00	4.02	0.02	Satisfactory
7.42	7.45	0.03	Satisfactory
10.01	10.09	0.08	Satisfactory

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

(2) Temperature


Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
10	10.0	0.0	Satisfactory
21	20.4	-0.6	Satisfactory
41	40.9	-0.1	Satisfactory

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

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

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


LEE Chun-ning, Desmond
Senior Chemist



REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA030006
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PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.21	0.01	-0.20	Satisfactory
4.55	6.21	1.66	Satisfactory
6.42	4.56	-1.86	Satisfactory
8.78	8.49	-0.29	Satisfactory

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

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)	Results
0.001	146.9	146.7	-0.14	Satisfactory
0.01	1412	1436	1.70	Satisfactory
0.1	12890	12699	-1.48	Satisfactory
0.5	58670	58421	-0.42	Satisfactory
1.0	111900	111486	-0.37	Satisfactory

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

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	9.88	-1.20	Satisfactory
20	19.84	-0.80	Satisfactory
30	30.52	1.73	Satisfactory

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

(6) Turbidity

Expected Reading (NTU)	Displayed Reading ^(f) (NTU)	Tolerance ^(g) (%)	Results
0	0.11	--	Satisfactory
10	10.23	2.3	Satisfactory
20	20.45	2.3	Satisfactory
100	102.38	2.4	Satisfactory
800	798.46	-0.2	Satisfactory

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

~ END OF REPORT ~

Remark(s): -

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

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

APPENDIX C QA/ QC RESULTS FOR SUSPENDED SOLIDS TESTING

QA/QC Results of Laboratory Analysis of Total Suspended Solids				
Sampling Date	Sample Duplicate		Method Blank * (mg/L)	Laboratory Control Spike % Recovery **
	Sample ID	% Error		
17-Feb-21	No Laboratory Duplicate Results are required to be reported.		<0.5	108.0
			<0.5	
			<0.5	108.0
			<0.5	
			<0.5	102.0
19-Feb-21	IM1-E-S-1	0.0	<0.5	97.5
	G1-E-S-1	6.7	<0.5	
	G2-E-B-1	5.6	<0.5	110.0
	IM1-F-M-1	0.0	<0.5	
	G1-F-M-1	6.3	<0.5	102.0
	C1-F-S-1	0.0	<0.5	
22-Feb-21	IM1-E-S-1	-3.3	<0.5	95.0
	G1-E-S-1	-3.2	<0.5	
	G2-E-B-1	-2.3	<0.5	110.0
	IM1-F-M-1	-2.9	<0.5	
	G1-F-M-1	3.6	<0.5	108.0
	C1-F-S-2	0.0	<0.5	
24-Feb-21	IM1-E-S-1	6.5	<0.5	104.0
	G1-E-S-1	3.8	<0.5	
	G2-E-B-1	3.2	<0.5	105.0
	IM1-F-M-1	0.0	<0.5	
	G1-F-M-1	0.0	<0.5	104.0
	C1-F-S-2	10.7	<0.5	
26-Feb-21	IM1-E-S-1	-37.5	<0.5	95.5
	G1-E-S-1	21.7	<0.5	
	G2-E-B-1	4.8	<0.5	104.0
	IM1-F-M-1	13.3	<0.5	
	G1-F-M-1	-20.0	<0.5	94.5
	C1-F-S-2	7.7	<0.5	
1-Mar-21	IM1-E-S-1	13.8	<0.5	95.5
	G1-E-S-1	10.5	<0.5	
	G2-E-B-1	-26.7	<0.5	93.0
	IM1-F-M-1	2.4	<0.5	
	G1-F-M-1	-15.4	<0.5	96.5
	C1-F-S-2	-12.0	<0.5	
3-Mar-21	IM1-E-S-1	8.3	<0.5	103.0
	G1-E-S-1	-3.6	<0.5	
	G2-E-B-1	9.1	<0.5	95.0
	IM1-F-M-1	-3.8	<0.5	
	G1-F-M-1	-22.2	<0.5	91.5
	C1-F-S-2	-12.8	<0.5	
5-Mar-21	IM1-E-S-1	25.0	<0.5	95.5
	G1-E-S-1	16.7	<0.5	
	G2-E-B-1	18.8	<0.5	92.0
	IM1-F-M-1	22.2	<0.5	
	G1-F-M-1	30.0	<0.5	104.0
	C1-F-S-2	8.3	<0.5	
8-Mar-21	IM1-E-S-1	-18.8	<0.5	99.5
	G1-E-S-1	-8.7	<0.5	
	G2-E-B-1	-12.5	<0.5	106.0
	IM1-F-M-1	-15.0	<0.5	
	G1-F-M-1	-9.5	<0.5	100.0
	C1-F-S-2	20.0	<0.5	
10-Mar-21	IM1-E-S-1	-29.4	<0.5	102.0
	G1-E-S-1	-18.2	<0.5	
	G2-E-B-1	23.5	<0.5	99.0
	IM1-F-M-1	17.4	<0.5	
	G1-F-M-1	20.0	<0.5	106.0
	C1-F-S-2	14.3	<0.5	
12-Mar-21	IM1-E-S-1	7.4	<0.5	106.0
	G1-E-S-1	-14.3	<0.5	
	G2-E-B-1	-16.7	<0.5	97.0
	IM1-F-M-1	-19.0	<0.5	
	G1-F-M-1	10.0	<0.5	101.0
	C1-F-S-2	14.3	<0.5	
15-Mar-21	IM1-E-S-1	-14.3	<0.5	103.0
	G1-E-S-1	-21.4	<0.5	
	G2-E-B-1	-17.6	<0.5	94.0
	IM1-F-M-1	-8.8	<0.5	
	G1-F-M-1	12.0	<0.5	96.0
	C1-F-S-2	14.3	<0.5	

Note: (*) Reporting limit of SS is 0.5 mg/L.

(**) % Recovery of laboratory control spike should be between 85% to 115%.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2106465
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 17-Feb-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 22-Feb-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

Signatory

Position

Authorised results for:

Fung Lim Chee, Richard

Managing Director

Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 17-Feb-2021 to 22-Feb-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2106465 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	17-Feb-2021	HK2106465-001	1.6	---	---	---	---	---
IM1-E-S-2	17-Feb-2021	HK2106465-002	1.8	---	---	---	---	---
IM1-E-M-1	17-Feb-2021	HK2106465-003	2.1	---	---	---	---	---
IM1-E-M-2	17-Feb-2021	HK2106465-004	2.3	---	---	---	---	---
IM1-E-B-1	17-Feb-2021	HK2106465-005	2.5	---	---	---	---	---
IM1-E-B-2	17-Feb-2021	HK2106465-006	2.6	---	---	---	---	---
IM2-E-S-1	17-Feb-2021	HK2106465-007	1.6	---	---	---	---	---
IM2-E-S-2	17-Feb-2021	HK2106465-008	1.6	---	---	---	---	---
IM2-E-B-1	17-Feb-2021	HK2106465-011	0.9	---	---	---	---	---
IM2-E-B-2	17-Feb-2021	HK2106465-012	0.9	---	---	---	---	---
G1-E-S-1	17-Feb-2021	HK2106465-013	3.2	---	---	---	---	---
G1-E-S-2	17-Feb-2021	HK2106465-014	3.0	---	---	---	---	---
G1-E-M-1	17-Feb-2021	HK2106465-015	2.5	---	---	---	---	---
G1-E-M-2	17-Feb-2021	HK2106465-016	2.7	---	---	---	---	---
G1-E-B-1	17-Feb-2021	HK2106465-017	2.1	---	---	---	---	---
G1-E-B-2	17-Feb-2021	HK2106465-018	2.2	---	---	---	---	---
G2-E-S-1	17-Feb-2021	HK2106465-019	1.4	---	---	---	---	---
G2-E-S-2	17-Feb-2021	HK2106465-020	1.3	---	---	---	---	---
G2-E-M-1	17-Feb-2021	HK2106465-021	1.2	---	---	---	---	---
G2-E-M-2	17-Feb-2021	HK2106465-022	1.3	---	---	---	---	---
G2-E-B-1	17-Feb-2021	HK2106465-023	1.1	---	---	---	---	---
G2-E-B-2	17-Feb-2021	HK2106465-024	1.2	---	---	---	---	---
C1-E-S-1	17-Feb-2021	HK2106465-025	1.7	---	---	---	---	---
C1-E-S-2	17-Feb-2021	HK2106465-026	1.8	---	---	---	---	---
C1-E-M-1	17-Feb-2021	HK2106465-027	2.1	---	---	---	---	---
C1-E-M-2	17-Feb-2021	HK2106465-028	2.2	---	---	---	---	---
C1-E-B-1	17-Feb-2021	HK2106465-029	2.6	---	---	---	---	---
C1-E-B-2	17-Feb-2021	HK2106465-030	2.4	---	---	---	---	---
IM1-F-S-1	17-Feb-2021	HK2106465-031	3.8	---	---	---	---	---
IM1-F-S-2	17-Feb-2021	HK2106465-032	4.2	---	---	---	---	---
IM1-F-M-1	17-Feb-2021	HK2106465-033	3.1	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	17-Feb-2021	HK2106465-034	3.3	----	----	----	----	----
IM1-F-B-1	17-Feb-2021	HK2106465-035	2.4	----	----	----	----	----
IM1-F-B-2	17-Feb-2021	HK2106465-036	2.5	----	----	----	----	----
IM2-F-S-1	17-Feb-2021	HK2106465-037	2.6	----	----	----	----	----
IM2-F-S-2	17-Feb-2021	HK2106465-038	2.7	----	----	----	----	----
IM2-F-B-1	17-Feb-2021	HK2106465-041	2.2	----	----	----	----	----
IM2-F-B-2	17-Feb-2021	HK2106465-042	2.4	----	----	----	----	----
G1-F-S-1	17-Feb-2021	HK2106465-043	2.7	----	----	----	----	----
G1-F-S-2	17-Feb-2021	HK2106465-044	2.4	----	----	----	----	----
G1-F-M-1	17-Feb-2021	HK2106465-045	2.1	----	----	----	----	----
G1-F-M-2	17-Feb-2021	HK2106465-046	2.4	----	----	----	----	----
G1-F-B-1	17-Feb-2021	HK2106465-047	1.6	----	----	----	----	----
G1-F-B-2	17-Feb-2021	HK2106465-048	1.8	----	----	----	----	----
G2-F-S-1	17-Feb-2021	HK2106465-049	2.7	----	----	----	----	----
G2-F-S-2	17-Feb-2021	HK2106465-050	2.9	----	----	----	----	----
G2-F-M-1	17-Feb-2021	HK2106465-051	2.2	----	----	----	----	----
G2-F-M-2	17-Feb-2021	HK2106465-052	2.4	----	----	----	----	----
G2-F-B-1	17-Feb-2021	HK2106465-053	1.4	----	----	----	----	----
G2-F-B-2	17-Feb-2021	HK2106465-054	1.6	----	----	----	----	----
C1-F-S-1	17-Feb-2021	HK2106465-055	0.9	----	----	----	----	----
C1-F-S-2	17-Feb-2021	HK2106465-056	0.8	----	----	----	----	----
C1-F-M-1	17-Feb-2021	HK2106465-057	1.2	----	----	----	----	----
C1-F-M-2	17-Feb-2021	HK2106465-058	1.4	----	----	----	----	----
C1-F-B-1	17-Feb-2021	HK2106465-059	1.6	----	----	----	----	----
C1-F-B-2	17-Feb-2021	HK2106465-060	1.8	----	----	----	----	----



Laboratory Duplicate (DUP) Report

- No Laboratory Duplicate (DUP) Results are required to be reported.

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

Method: Compound		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
		CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
							LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3521959)												
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	108	----	85.9	117	----	----	
EA/ED: Physical and Aggregate Properties (QCLot: 3521960)												
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	108	----	85.9	117	----	----	
EA/ED: Physical and Aggregate Properties (QCLot: 3521961)												
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	102	----	85.9	117	----	----	

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.




CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2106699
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 19-Feb-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 24-Feb-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

<i>Signatory</i>	<i>Position</i>	<i>Authorised results for:</i>
 Fung Lim Chee, Richard	Managing Director	Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 19-Feb-2021 to 24-Feb-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2106699 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	19-Feb-2021	HK2106699-001	1.4	---	---	---	---	---
IM1-E-S-2	19-Feb-2021	HK2106699-002	1.5	---	---	---	---	---
IM1-E-M-1	19-Feb-2021	HK2106699-003	1.5	---	---	---	---	---
IM1-E-M-2	19-Feb-2021	HK2106699-004	1.4	---	---	---	---	---
IM1-E-B-1	19-Feb-2021	HK2106699-005	1.8	---	---	---	---	---
IM1-E-B-2	19-Feb-2021	HK2106699-006	1.9	---	---	---	---	---
IM2-E-S-1	19-Feb-2021	HK2106699-007	2.3	---	---	---	---	---
IM2-E-S-2	19-Feb-2021	HK2106699-008	1.8	---	---	---	---	---
IM2-E-B-1	19-Feb-2021	HK2106699-011	3.0	---	---	---	---	---
IM2-E-B-2	19-Feb-2021	HK2106699-012	3.5	---	---	---	---	---
G1-E-S-1	19-Feb-2021	HK2106699-013	1.5	---	---	---	---	---
G1-E-S-2	19-Feb-2021	HK2106699-014	1.2	---	---	---	---	---
G1-E-M-1	19-Feb-2021	HK2106699-015	1.3	---	---	---	---	---
G1-E-M-2	19-Feb-2021	HK2106699-016	1.6	---	---	---	---	---
G1-E-B-1	19-Feb-2021	HK2106699-017	1.6	---	---	---	---	---
G1-E-B-2	19-Feb-2021	HK2106699-018	2.0	---	---	---	---	---
G2-E-S-1	19-Feb-2021	HK2106699-019	2.1	---	---	---	---	---
G2-E-S-2	19-Feb-2021	HK2106699-020	2.5	---	---	---	---	---
G2-E-M-1	19-Feb-2021	HK2106699-021	2.1	---	---	---	---	---
G2-E-M-2	19-Feb-2021	HK2106699-022	2.2	---	---	---	---	---
G2-E-B-1	19-Feb-2021	HK2106699-023	1.8	---	---	---	---	---
G2-E-B-2	19-Feb-2021	HK2106699-024	1.9	---	---	---	---	---
C1-E-S-1	19-Feb-2021	HK2106699-025	2.6	---	---	---	---	---
C1-E-S-2	19-Feb-2021	HK2106699-026	1.8	---	---	---	---	---
C1-E-M-1	19-Feb-2021	HK2106699-027	2.5	---	---	---	---	---
C1-E-M-2	19-Feb-2021	HK2106699-028	1.6	---	---	---	---	---
C1-E-B-1	19-Feb-2021	HK2106699-029	1.5	---	---	---	---	---
C1-E-B-2	19-Feb-2021	HK2106699-030	1.0	---	---	---	---	---
IM1-F-S-1	19-Feb-2021	HK2106699-031	1.0	---	---	---	---	---
IM1-F-S-2	19-Feb-2021	HK2106699-032	1.3	---	---	---	---	---
IM1-F-M-1	19-Feb-2021	HK2106699-033	1.2	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	19-Feb-2021	HK2106699-034	1.3	----	----	----	----	----
IM1-F-B-1	19-Feb-2021	HK2106699-035	1.8	----	----	----	----	----
IM1-F-B-2	19-Feb-2021	HK2106699-036	2.5	----	----	----	----	----
IM2-F-S-1	19-Feb-2021	HK2106699-037	1.4	----	----	----	----	----
IM2-F-S-2	19-Feb-2021	HK2106699-038	2.1	----	----	----	----	----
IM2-F-B-1	19-Feb-2021	HK2106699-041	2.6	----	----	----	----	----
IM2-F-B-2	19-Feb-2021	HK2106699-042	1.7	----	----	----	----	----
G1-F-S-1	19-Feb-2021	HK2106699-043	1.4	----	----	----	----	----
G1-F-S-2	19-Feb-2021	HK2106699-044	1.5	----	----	----	----	----
G1-F-M-1	19-Feb-2021	HK2106699-045	1.6	----	----	----	----	----
G1-F-M-2	19-Feb-2021	HK2106699-046	2.0	----	----	----	----	----
G1-F-B-1	19-Feb-2021	HK2106699-047	1.7	----	----	----	----	----
G1-F-B-2	19-Feb-2021	HK2106699-048	2.4	----	----	----	----	----
G2-F-S-1	19-Feb-2021	HK2106699-049	1.3	----	----	----	----	----
G2-F-S-2	19-Feb-2021	HK2106699-050	1.9	----	----	----	----	----
G2-F-M-1	19-Feb-2021	HK2106699-051	1.3	----	----	----	----	----
G2-F-M-2	19-Feb-2021	HK2106699-052	2.0	----	----	----	----	----
G2-F-B-1	19-Feb-2021	HK2106699-053	2.6	----	----	----	----	----
G2-F-B-2	19-Feb-2021	HK2106699-054	2.6	----	----	----	----	----
C1-F-S-1	19-Feb-2021	HK2106699-055	1.3	----	----	----	----	----
C1-F-S-2	19-Feb-2021	HK2106699-056	1.4	----	----	----	----	----
C1-F-M-1	19-Feb-2021	HK2106699-057	1.4	----	----	----	----	----
C1-F-M-2	19-Feb-2021	HK2106699-058	1.5	----	----	----	----	----
C1-F-B-1	19-Feb-2021	HK2106699-059	1.8	----	----	----	----	----
C1-F-B-2	19-Feb-2021	HK2106699-060	2.8	----	----	----	----	----



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3522806)								
HK2106699-001	IM1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.4	0.00
HK2106699-013	G1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.5	1.4	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3522807)								
HK2106699-023	G2-E-B-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.8	1.7	0.00
HK2106699-033	IM1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.2	1.2	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3522808)								
HK2106699-045	G1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.6	1.5	0.00
HK2106699-055	C1-F-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.3	1.3	0.00

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3522806)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	97.5	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3522807)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	110	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3522808)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	102	----	85.9	117	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2106711
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 22-Feb-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 25-Feb-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

Signatory

Position

Authorised results for:

Fung Lim Chee, Richard

Managing Director

Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 22-Feb-2021 to 25-Feb-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2106711 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	22-Feb-2021	HK2106711-001	9.2	---	---	---	---	---
IM1-E-S-2	22-Feb-2021	HK2106711-002	9.8	---	---	---	---	---
IM1-E-M-1	22-Feb-2021	HK2106711-003	7.6	---	---	---	---	---
IM1-E-M-2	22-Feb-2021	HK2106711-004	8.1	---	---	---	---	---
IM1-E-B-1	22-Feb-2021	HK2106711-005	5.7	---	---	---	---	---
IM1-E-B-2	22-Feb-2021	HK2106711-006	6.0	---	---	---	---	---
IM2-E-S-1	22-Feb-2021	HK2106711-007	5.6	---	---	---	---	---
IM2-E-S-2	22-Feb-2021	HK2106711-008	4.8	---	---	---	---	---
IM2-E-B-1	22-Feb-2021	HK2106711-011	4.1	---	---	---	---	---
IM2-E-B-2	22-Feb-2021	HK2106711-012	5.5	---	---	---	---	---
G1-E-S-1	22-Feb-2021	HK2106711-013	9.3	---	---	---	---	---
G1-E-S-2	22-Feb-2021	HK2106711-014	8.9	---	---	---	---	---
G1-E-M-1	22-Feb-2021	HK2106711-015	6.0	---	---	---	---	---
G1-E-M-2	22-Feb-2021	HK2106711-016	5.0	---	---	---	---	---
G1-E-B-1	22-Feb-2021	HK2106711-017	4.7	---	---	---	---	---
G1-E-B-2	22-Feb-2021	HK2106711-018	5.2	---	---	---	---	---
G2-E-S-1	22-Feb-2021	HK2106711-019	10.1	---	---	---	---	---
G2-E-S-2	22-Feb-2021	HK2106711-020	10.4	---	---	---	---	---
G2-E-M-1	22-Feb-2021	HK2106711-021	10.0	---	---	---	---	---
G2-E-M-2	22-Feb-2021	HK2106711-022	9.4	---	---	---	---	---
G2-E-B-1	22-Feb-2021	HK2106711-023	4.3	---	---	---	---	---
G2-E-B-2	22-Feb-2021	HK2106711-024	5.4	---	---	---	---	---
C1-E-S-1	22-Feb-2021	HK2106711-025	10.1	---	---	---	---	---
C1-E-S-2	22-Feb-2021	HK2106711-026	9.4	---	---	---	---	---
C1-E-M-1	22-Feb-2021	HK2106711-027	6.9	---	---	---	---	---
C1-E-M-2	22-Feb-2021	HK2106711-028	6.1	---	---	---	---	---
C1-E-B-1	22-Feb-2021	HK2106711-029	6.2	---	---	---	---	---
C1-E-B-2	22-Feb-2021	HK2106711-030	5.9	---	---	---	---	---
IM1-F-S-1	22-Feb-2021	HK2106711-031	6.2	---	---	---	---	---
IM1-F-S-2	22-Feb-2021	HK2106711-032	5.5	---	---	---	---	---
IM1-F-M-1	22-Feb-2021	HK2106711-033	3.5	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	22-Feb-2021	HK2106711-034	3.8	----	----	----	----	----
IM1-F-B-1	22-Feb-2021	HK2106711-035	3.4	----	----	----	----	----
IM1-F-B-2	22-Feb-2021	HK2106711-036	3.6	----	----	----	----	----
IM2-F-S-1	22-Feb-2021	HK2106711-037	4.0	----	----	----	----	----
IM2-F-S-2	22-Feb-2021	HK2106711-038	3.2	----	----	----	----	----
IM2-F-B-1	22-Feb-2021	HK2106711-041	3.4	----	----	----	----	----
IM2-F-B-2	22-Feb-2021	HK2106711-042	4.4	----	----	----	----	----
G1-F-S-1	22-Feb-2021	HK2106711-043	3.3	----	----	----	----	----
G1-F-S-2	22-Feb-2021	HK2106711-044	4.3	----	----	----	----	----
G1-F-M-1	22-Feb-2021	HK2106711-045	2.8	----	----	----	----	----
G1-F-M-2	22-Feb-2021	HK2106711-046	2.3	----	----	----	----	----
G1-F-B-1	22-Feb-2021	HK2106711-047	2.7	----	----	----	----	----
G1-F-B-2	22-Feb-2021	HK2106711-048	2.0	----	----	----	----	----
G2-F-S-1	22-Feb-2021	HK2106711-049	4.3	----	----	----	----	----
G2-F-S-2	22-Feb-2021	HK2106711-050	5.0	----	----	----	----	----
G2-F-M-1	22-Feb-2021	HK2106711-051	3.5	----	----	----	----	----
G2-F-M-2	22-Feb-2021	HK2106711-052	3.0	----	----	----	----	----
G2-F-B-1	22-Feb-2021	HK2106711-053	2.6	----	----	----	----	----
G2-F-B-2	22-Feb-2021	HK2106711-054	3.0	----	----	----	----	----
C1-F-S-1	22-Feb-2021	HK2106711-055	1.7	----	----	----	----	----
C1-F-S-2	22-Feb-2021	HK2106711-056	1.8	----	----	----	----	----
C1-F-M-1	22-Feb-2021	HK2106711-057	2.0	----	----	----	----	----
C1-F-M-2	22-Feb-2021	HK2106711-058	3.0	----	----	----	----	----
C1-F-B-1	22-Feb-2021	HK2106711-059	2.5	----	----	----	----	----
C1-F-B-2	22-Feb-2021	HK2106711-060	3.4	----	----	----	----	----



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3526846)								
HK2106711-001	IM1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	9.2	9.5	3.47
HK2106711-013	G1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	9.3	9.6	3.70
EA/ED: Physical and Aggregate Properties (QC Lot: 3526847)								
HK2106711-023	G2-E-B-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.3	4.4	3.45
HK2106711-033	IM1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.5	3.6	3.51
EA/ED: Physical and Aggregate Properties (QC Lot: 3526848)								
HK2106711-045	G1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.8	2.7	0.00
HK2106711-056	C1-F-S-2	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.8	1.8	0.00

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3526846)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	95.0	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3526847)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	110	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3526848)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	108	----	85.9	117	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2106713
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 24-Feb-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 01-Mar-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

Signatory

Position

Authorised results for:

Fung Lim Chee, Richard

Managing Director

Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 24-Feb-2021 to 01-Mar-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2106713 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	24-Feb-2021	HK2106713-001	6.2	---	---	---	---	---
IM1-E-S-2	24-Feb-2021	HK2106713-002	5.6	---	---	---	---	---
IM1-E-M-1	24-Feb-2021	HK2106713-003	3.9	---	---	---	---	---
IM1-E-M-2	24-Feb-2021	HK2106713-004	3.8	---	---	---	---	---
IM1-E-B-1	24-Feb-2021	HK2106713-005	3.4	---	---	---	---	---
IM1-E-B-2	24-Feb-2021	HK2106713-006	3.3	---	---	---	---	---
IM2-E-S-1	24-Feb-2021	HK2106713-007	5.1	---	---	---	---	---
IM2-E-S-2	24-Feb-2021	HK2106713-008	5.6	---	---	---	---	---
IM2-E-B-1	24-Feb-2021	HK2106713-011	4.6	---	---	---	---	---
IM2-E-B-2	24-Feb-2021	HK2106713-012	4.6	---	---	---	---	---
G1-E-S-1	24-Feb-2021	HK2106713-013	5.3	---	---	---	---	---
G1-E-S-2	24-Feb-2021	HK2106713-014	4.9	---	---	---	---	---
G1-E-M-1	24-Feb-2021	HK2106713-015	4.3	---	---	---	---	---
G1-E-M-2	24-Feb-2021	HK2106713-016	4.1	---	---	---	---	---
G1-E-B-1	24-Feb-2021	HK2106713-017	2.9	---	---	---	---	---
G1-E-B-2	24-Feb-2021	HK2106713-018	2.9	---	---	---	---	---
G2-E-S-1	24-Feb-2021	HK2106713-019	3.4	---	---	---	---	---
G2-E-S-2	24-Feb-2021	HK2106713-020	3.5	---	---	---	---	---
G2-E-M-1	24-Feb-2021	HK2106713-021	3.1	---	---	---	---	---
G2-E-M-2	24-Feb-2021	HK2106713-022	3.4	---	---	---	---	---
G2-E-B-1	24-Feb-2021	HK2106713-023	3.1	---	---	---	---	---
G2-E-B-2	24-Feb-2021	HK2106713-024	3.2	---	---	---	---	---
C1-E-S-1	24-Feb-2021	HK2106713-025	4.4	---	---	---	---	---
C1-E-S-2	24-Feb-2021	HK2106713-026	4.4	---	---	---	---	---
C1-E-M-1	24-Feb-2021	HK2106713-027	4.2	---	---	---	---	---
C1-E-M-2	24-Feb-2021	HK2106713-028	4.4	---	---	---	---	---
C1-E-B-1	24-Feb-2021	HK2106713-029	3.8	---	---	---	---	---
C1-E-B-2	24-Feb-2021	HK2106713-030	4.2	---	---	---	---	---
IM1-F-S-1	24-Feb-2021	HK2106713-031	4.3	---	---	---	---	---
IM1-F-S-2	24-Feb-2021	HK2106713-032	4.0	---	---	---	---	---
IM1-F-M-1	24-Feb-2021	HK2106713-033	3.0	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	24-Feb-2021	HK2106713-034	3.2	----	----	----	----	----
IM1-F-B-1	24-Feb-2021	HK2106713-035	2.4	----	----	----	----	----
IM1-F-B-2	24-Feb-2021	HK2106713-036	2.6	----	----	----	----	----
IM2-F-S-1	24-Feb-2021	HK2106713-037	3.7	----	----	----	----	----
IM2-F-S-2	24-Feb-2021	HK2106713-038	4.0	----	----	----	----	----
IM2-F-B-1	24-Feb-2021	HK2106713-041	2.8	----	----	----	----	----
IM2-F-B-2	24-Feb-2021	HK2106713-042	3.1	----	----	----	----	----
G1-F-S-1	24-Feb-2021	HK2106713-043	4.4	----	----	----	----	----
G1-F-S-2	24-Feb-2021	HK2106713-044	4.2	----	----	----	----	----
G1-F-M-1	24-Feb-2021	HK2106713-045	3.5	----	----	----	----	----
G1-F-M-2	24-Feb-2021	HK2106713-046	3.1	----	----	----	----	----
G1-F-B-1	24-Feb-2021	HK2106713-047	2.9	----	----	----	----	----
G1-F-B-2	24-Feb-2021	HK2106713-048	2.7	----	----	----	----	----
G2-F-S-1	24-Feb-2021	HK2106713-049	2.4	----	----	----	----	----
G2-F-S-2	24-Feb-2021	HK2106713-050	2.5	----	----	----	----	----
G2-F-M-1	24-Feb-2021	HK2106713-051	2.8	----	----	----	----	----
G2-F-M-2	24-Feb-2021	HK2106713-052	3.1	----	----	----	----	----
G2-F-B-1	24-Feb-2021	HK2106713-053	3.6	----	----	----	----	----
G2-F-B-2	24-Feb-2021	HK2106713-054	3.8	----	----	----	----	----
C1-F-S-1	24-Feb-2021	HK2106713-055	5.6	----	----	----	----	----
C1-F-S-2	24-Feb-2021	HK2106713-056	4.9	----	----	----	----	----
C1-F-M-1	24-Feb-2021	HK2106713-057	3.7	----	----	----	----	----
C1-F-M-2	24-Feb-2021	HK2106713-058	4.2	----	----	----	----	----
C1-F-B-1	24-Feb-2021	HK2106713-059	3.3	----	----	----	----	----
C1-F-B-2	24-Feb-2021	HK2106713-060	3.2	----	----	----	----	----



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3532522)								
HK2106713-001	IM1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	6.2	5.8	6.69
HK2106713-013	G1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	5.3	5.1	4.32
EA/ED: Physical and Aggregate Properties (QC Lot: 3532523)								
HK2106713-023	G2-E-B-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.1	3.0	3.30
HK2106713-033	IM1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.0	3.0	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3532524)								
HK2106713-045	G1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.5	3.5	0.00
HK2106713-055	C1-F-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	5.6	5.0	11.3

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3532522)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	104	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3532523)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	105	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3532524)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	104	----	85.9	117	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2107034
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 26-Feb-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 03-Mar-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

Signatory

Position

Authorised results for:

Fung Lim Chee, Richard

Managing Director

Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 26-Feb-2021 to 03-Mar-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2107034 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	26-Feb-2021	HK2107034-001	0.8	---	---	---	---	---
IM1-E-S-2	26-Feb-2021	HK2107034-002	1.2	---	---	---	---	---
IM1-E-M-1	26-Feb-2021	HK2107034-003	1.4	---	---	---	---	---
IM1-E-M-2	26-Feb-2021	HK2107034-004	1.9	---	---	---	---	---
IM1-E-B-1	26-Feb-2021	HK2107034-005	1.4	---	---	---	---	---
IM1-E-B-2	26-Feb-2021	HK2107034-006	2.1	---	---	---	---	---
IM2-E-S-1	26-Feb-2021	HK2107034-007	3.1	---	---	---	---	---
IM2-E-S-2	26-Feb-2021	HK2107034-008	2.1	---	---	---	---	---
IM2-E-B-1	26-Feb-2021	HK2107034-011	2.2	---	---	---	---	---
IM2-E-B-2	26-Feb-2021	HK2107034-012	2.9	---	---	---	---	---
G1-E-S-1	26-Feb-2021	HK2107034-013	2.3	---	---	---	---	---
G1-E-S-2	26-Feb-2021	HK2107034-014	1.2	---	---	---	---	---
G1-E-M-1	26-Feb-2021	HK2107034-015	1.2	---	---	---	---	---
G1-E-M-2	26-Feb-2021	HK2107034-016	0.8	---	---	---	---	---
G1-E-B-1	26-Feb-2021	HK2107034-017	1.0	---	---	---	---	---
G1-E-B-2	26-Feb-2021	HK2107034-018	1.4	---	---	---	---	---
G2-E-S-1	26-Feb-2021	HK2107034-019	2.0	---	---	---	---	---
G2-E-S-2	26-Feb-2021	HK2107034-020	1.8	---	---	---	---	---
G2-E-M-1	26-Feb-2021	HK2107034-021	2.1	---	---	---	---	---
G2-E-M-2	26-Feb-2021	HK2107034-022	1.6	---	---	---	---	---
G2-E-B-1	26-Feb-2021	HK2107034-023	2.1	---	---	---	---	---
G2-E-B-2	26-Feb-2021	HK2107034-024	1.5	---	---	---	---	---
C1-E-S-1	26-Feb-2021	HK2107034-025	1.7	---	---	---	---	---
C1-E-S-2	26-Feb-2021	HK2107034-026	1.0	---	---	---	---	---
C1-E-M-1	26-Feb-2021	HK2107034-027	1.3	---	---	---	---	---
C1-E-M-2	26-Feb-2021	HK2107034-028	1.6	---	---	---	---	---
C1-E-B-1	26-Feb-2021	HK2107034-029	1.2	---	---	---	---	---
C1-E-B-2	26-Feb-2021	HK2107034-030	2.0	---	---	---	---	---
IM1-F-S-1	26-Feb-2021	HK2107034-031	2.0	---	---	---	---	---
IM1-F-S-2	26-Feb-2021	HK2107034-032	1.7	---	---	---	---	---
IM1-F-M-1	26-Feb-2021	HK2107034-033	1.5	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	26-Feb-2021	HK2107034-034	2.0	----	----	----	----	----
IM1-F-B-1	26-Feb-2021	HK2107034-035	2.7	----	----	----	----	----
IM1-F-B-2	26-Feb-2021	HK2107034-036	1.9	----	----	----	----	----
IM2-F-S-1	26-Feb-2021	HK2107034-037	2.0	----	----	----	----	----
IM2-F-S-2	26-Feb-2021	HK2107034-038	1.2	----	----	----	----	----
IM2-F-B-1	26-Feb-2021	HK2107034-041	2.2	----	----	----	----	----
IM2-F-B-2	26-Feb-2021	HK2107034-042	2.3	----	----	----	----	----
G1-F-S-1	26-Feb-2021	HK2107034-043	1.3	----	----	----	----	----
G1-F-S-2	26-Feb-2021	HK2107034-044	0.9	----	----	----	----	----
G1-F-M-1	26-Feb-2021	HK2107034-045	1.0	----	----	----	----	----
G1-F-M-2	26-Feb-2021	HK2107034-046	2.1	----	----	----	----	----
G1-F-B-1	26-Feb-2021	HK2107034-047	2.2	----	----	----	----	----
G1-F-B-2	26-Feb-2021	HK2107034-048	3.0	----	----	----	----	----
G2-F-S-1	26-Feb-2021	HK2107034-049	2.1	----	----	----	----	----
G2-F-S-2	26-Feb-2021	HK2107034-050	1.1	----	----	----	----	----
G2-F-M-1	26-Feb-2021	HK2107034-051	2.3	----	----	----	----	----
G2-F-M-2	26-Feb-2021	HK2107034-052	1.4	----	----	----	----	----
G2-F-B-1	26-Feb-2021	HK2107034-053	2.2	----	----	----	----	----
G2-F-B-2	26-Feb-2021	HK2107034-054	3.0	----	----	----	----	----
C1-F-S-1	26-Feb-2021	HK2107034-055	3.9	----	----	----	----	----
C1-F-S-2	26-Feb-2021	HK2107034-056	3.2	----	----	----	----	----
C1-F-M-1	26-Feb-2021	HK2107034-057	1.8	----	----	----	----	----
C1-F-M-2	26-Feb-2021	HK2107034-058	2.6	----	----	----	----	----
C1-F-B-1	26-Feb-2021	HK2107034-059	1.6	----	----	----	----	----
C1-F-B-2	26-Feb-2021	HK2107034-060	2.3	----	----	----	----	----



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3538268)								
HK2107034-001	IM1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	0.8	1.1	29.3
HK2107034-013	G1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.3	1.8	24.4
EA/ED: Physical and Aggregate Properties (QC Lot: 3538269)								
HK2107034-023	G2-E-B-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.1	2.0	6.13
HK2107034-033	IM1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.5	1.3	14.3
EA/ED: Physical and Aggregate Properties (QC Lot: 3538270)								
HK2107034-045	G1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.0	1.2	27.3
HK2107034-055	C1-F-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.9	3.6	7.36

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3538268)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	95.5	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3538269)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	104	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3538270)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	94.5	----	85.9	117	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2107508
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 01-Mar-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 04-Mar-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

Signatory

Position

Authorised results for:

Fung Lim Chee, Richard

Managing Director

Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 01-Mar-2021 to 04-Mar-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2107508 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	01-Mar-2021	HK2107508-001	2.9	---	---	---	---	---
IM1-E-S-2	01-Mar-2021	HK2107508-002	2.6	---	---	---	---	---
IM1-E-M-1	01-Mar-2021	HK2107508-003	2.9	---	---	---	---	---
IM1-E-M-2	01-Mar-2021	HK2107508-004	2.2	---	---	---	---	---
IM1-E-B-1	01-Mar-2021	HK2107508-005	2.1	---	---	---	---	---
IM1-E-B-2	01-Mar-2021	HK2107508-006	2.1	---	---	---	---	---
IM2-E-S-1	01-Mar-2021	HK2107508-007	1.7	---	---	---	---	---
IM2-E-S-2	01-Mar-2021	HK2107508-008	2.0	---	---	---	---	---
IM2-E-B-1	01-Mar-2021	HK2107508-011	2.1	---	---	---	---	---
IM2-E-B-2	01-Mar-2021	HK2107508-012	1.5	---	---	---	---	---
G1-E-S-1	01-Mar-2021	HK2107508-013	3.8	---	---	---	---	---
G1-E-S-2	01-Mar-2021	HK2107508-014	2.9	---	---	---	---	---
G1-E-M-1	01-Mar-2021	HK2107508-015	3.4	---	---	---	---	---
G1-E-M-2	01-Mar-2021	HK2107508-016	2.2	---	---	---	---	---
G1-E-B-1	01-Mar-2021	HK2107508-017	2.4	---	---	---	---	---
G1-E-B-2	01-Mar-2021	HK2107508-018	2.7	---	---	---	---	---
G2-E-S-1	01-Mar-2021	HK2107508-019	2.1	---	---	---	---	---
G2-E-S-2	01-Mar-2021	HK2107508-020	3.4	---	---	---	---	---
G2-E-M-1	01-Mar-2021	HK2107508-021	3.0	---	---	---	---	---
G2-E-M-2	01-Mar-2021	HK2107508-022	2.4	---	---	---	---	---
G2-E-B-1	01-Mar-2021	HK2107508-023	1.5	---	---	---	---	---
G2-E-B-2	01-Mar-2021	HK2107508-024	2.2	---	---	---	---	---
C1-E-S-1	01-Mar-2021	HK2107508-025	1.0	---	---	---	---	---
C1-E-S-2	01-Mar-2021	HK2107508-026	1.6	---	---	---	---	---
C1-E-M-1	01-Mar-2021	HK2107508-027	2.9	---	---	---	---	---
C1-E-M-2	01-Mar-2021	HK2107508-028	1.7	---	---	---	---	---
C1-E-B-1	01-Mar-2021	HK2107508-029	2.8	---	---	---	---	---
C1-E-B-2	01-Mar-2021	HK2107508-030	3.1	---	---	---	---	---
IM1-F-S-1	01-Mar-2021	HK2107508-031	2.1	---	---	---	---	---
IM1-F-S-2	01-Mar-2021	HK2107508-032	2.2	---	---	---	---	---
IM1-F-M-1	01-Mar-2021	HK2107508-033	4.2	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	01-Mar-2021	HK2107508-034	3.0	----	----	----	----	----
IM1-F-B-1	01-Mar-2021	HK2107508-035	4.2	----	----	----	----	----
IM1-F-B-2	01-Mar-2021	HK2107508-036	3.2	----	----	----	----	----
IM2-F-S-1	01-Mar-2021	HK2107508-037	3.2	----	----	----	----	----
IM2-F-S-2	01-Mar-2021	HK2107508-038	3.1	----	----	----	----	----
IM2-F-B-1	01-Mar-2021	HK2107508-041	2.0	----	----	----	----	----
IM2-F-B-2	01-Mar-2021	HK2107508-042	2.1	----	----	----	----	----
G1-F-S-1	01-Mar-2021	HK2107508-043	2.9	----	----	----	----	----
G1-F-S-2	01-Mar-2021	HK2107508-044	2.5	----	----	----	----	----
G1-F-M-1	01-Mar-2021	HK2107508-045	2.6	----	----	----	----	----
G1-F-M-2	01-Mar-2021	HK2107508-046	3.2	----	----	----	----	----
G1-F-B-1	01-Mar-2021	HK2107508-047	2.6	----	----	----	----	----
G1-F-B-2	01-Mar-2021	HK2107508-048	3.5	----	----	----	----	----
G2-F-S-1	01-Mar-2021	HK2107508-049	1.6	----	----	----	----	----
G2-F-S-2	01-Mar-2021	HK2107508-050	2.4	----	----	----	----	----
G2-F-M-1	01-Mar-2021	HK2107508-051	2.6	----	----	----	----	----
G2-F-M-2	01-Mar-2021	HK2107508-052	1.8	----	----	----	----	----
G2-F-B-1	01-Mar-2021	HK2107508-053	2.0	----	----	----	----	----
G2-F-B-2	01-Mar-2021	HK2107508-054	2.8	----	----	----	----	----
C1-F-S-1	01-Mar-2021	HK2107508-055	2.5	----	----	----	----	----
C1-F-S-2	01-Mar-2021	HK2107508-056	3.6	----	----	----	----	----
C1-F-M-1	01-Mar-2021	HK2107508-057	4.1	----	----	----	----	----
C1-F-M-2	01-Mar-2021	HK2107508-058	3.9	----	----	----	----	----
C1-F-B-1	01-Mar-2021	HK2107508-059	4.0	----	----	----	----	----
C1-F-B-2	01-Mar-2021	HK2107508-060	4.5	----	----	----	----	----



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3540768)								
HK2107508-001	IM1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.9	2.5	14.8
HK2107508-013	G1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.8	3.4	9.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3540769)								
HK2107508-023	G2-E-B-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.5	1.9	22.2
HK2107508-033	IM1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.2	4.1	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3540770)								
HK2107508-045	G1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.6	3.0	17.0
HK2107508-055	C1-F-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.5	2.8	11.2

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3540768)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	95.5	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3540769)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	93.0	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3540770)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	96.5	----	85.9	117	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2107512
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 03-Mar-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 05-Mar-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

Signatory

Position

Authorised results for:

Fung Lim Chee, Richard

Managing Director

Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 03-Mar-2021 to 05-Mar-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2107512 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER

			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	03-Mar-2021	HK2107512-001	1.2	---	---	---	---	---
IM1-E-S-2	03-Mar-2021	HK2107512-002	1.5	---	---	---	---	---
IM1-E-M-1	03-Mar-2021	HK2107512-003	1.7	---	---	---	---	---
IM1-E-M-2	03-Mar-2021	HK2107512-004	1.5	---	---	---	---	---
IM1-E-B-1	03-Mar-2021	HK2107512-005	1.7	---	---	---	---	---
IM1-E-B-2	03-Mar-2021	HK2107512-006	1.8	---	---	---	---	---
IM2-E-S-1	03-Mar-2021	HK2107512-007	2.4	---	---	---	---	---
IM2-E-S-2	03-Mar-2021	HK2107512-008	2.0	---	---	---	---	---
IM2-E-B-1	03-Mar-2021	HK2107512-011	2.1	---	---	---	---	---
IM2-E-B-2	03-Mar-2021	HK2107512-012	2.3	---	---	---	---	---
G1-E-S-1	03-Mar-2021	HK2107512-013	2.8	---	---	---	---	---
G1-E-S-2	03-Mar-2021	HK2107512-014	2.6	---	---	---	---	---
G1-E-M-1	03-Mar-2021	HK2107512-015	2.5	---	---	---	---	---
G1-E-M-2	03-Mar-2021	HK2107512-016	3.5	---	---	---	---	---
G1-E-B-1	03-Mar-2021	HK2107512-017	2.7	---	---	---	---	---
G1-E-B-2	03-Mar-2021	HK2107512-018	2.5	---	---	---	---	---
G2-E-S-1	03-Mar-2021	HK2107512-019	2.1	---	---	---	---	---
G2-E-S-2	03-Mar-2021	HK2107512-020	2.5	---	---	---	---	---
G2-E-M-1	03-Mar-2021	HK2107512-021	2.7	---	---	---	---	---
G2-E-M-2	03-Mar-2021	HK2107512-022	2.5	---	---	---	---	---
G2-E-B-1	03-Mar-2021	HK2107512-023	2.2	---	---	---	---	---
G2-E-B-2	03-Mar-2021	HK2107512-024	2.7	---	---	---	---	---
C1-E-S-1	03-Mar-2021	HK2107512-025	3.3	---	---	---	---	---
C1-E-S-2	03-Mar-2021	HK2107512-026	3.1	---	---	---	---	---
C1-E-M-1	03-Mar-2021	HK2107512-027	3.8	---	---	---	---	---
C1-E-M-2	03-Mar-2021	HK2107512-028	3.5	---	---	---	---	---
C1-E-B-1	03-Mar-2021	HK2107512-029	4.6	---	---	---	---	---
C1-E-B-2	03-Mar-2021	HK2107512-030	3.5	---	---	---	---	---
IM1-F-S-1	03-Mar-2021	HK2107512-031	2.5	---	---	---	---	---
IM1-F-S-2	03-Mar-2021	HK2107512-032	1.8	---	---	---	---	---
IM1-F-M-1	03-Mar-2021	HK2107512-033	2.6	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	03-Mar-2021	HK2107512-034	2.1	----	----	----	----	----
IM1-F-B-1	03-Mar-2021	HK2107512-035	2.6	----	----	----	----	----
IM1-F-B-2	03-Mar-2021	HK2107512-036	2.1	----	----	----	----	----
IM2-F-S-1	03-Mar-2021	HK2107512-037	2.7	----	----	----	----	----
IM2-F-S-2	03-Mar-2021	HK2107512-038	2.8	----	----	----	----	----
IM2-F-B-1	03-Mar-2021	HK2107512-041	2.4	----	----	----	----	----
IM2-F-B-2	03-Mar-2021	HK2107512-042	2.9	----	----	----	----	----
G1-F-S-1	03-Mar-2021	HK2107512-043	5.0	----	----	----	----	----
G1-F-S-2	03-Mar-2021	HK2107512-044	4.4	----	----	----	----	----
G1-F-M-1	03-Mar-2021	HK2107512-045	2.7	----	----	----	----	----
G1-F-M-2	03-Mar-2021	HK2107512-046	3.2	----	----	----	----	----
G1-F-B-1	03-Mar-2021	HK2107512-047	2.7	----	----	----	----	----
G1-F-B-2	03-Mar-2021	HK2107512-048	3.7	----	----	----	----	----
G2-F-S-1	03-Mar-2021	HK2107512-049	2.4	----	----	----	----	----
G2-F-S-2	03-Mar-2021	HK2107512-050	2.4	----	----	----	----	----
G2-F-M-1	03-Mar-2021	HK2107512-051	2.4	----	----	----	----	----
G2-F-M-2	03-Mar-2021	HK2107512-052	2.2	----	----	----	----	----
G2-F-B-1	03-Mar-2021	HK2107512-053	2.4	----	----	----	----	----
G2-F-B-2	03-Mar-2021	HK2107512-054	1.8	----	----	----	----	----
C1-F-S-1	03-Mar-2021	HK2107512-055	4.7	----	----	----	----	----
C1-F-S-2	03-Mar-2021	HK2107512-056	4.8	----	----	----	----	----
C1-F-M-1	03-Mar-2021	HK2107512-057	5.3	----	----	----	----	----
C1-F-M-2	03-Mar-2021	HK2107512-058	4.9	----	----	----	----	----
C1-F-B-1	03-Mar-2021	HK2107512-059	4.8	----	----	----	----	----
C1-F-B-2	03-Mar-2021	HK2107512-060	5.7	----	----	----	----	----



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3545964)								
HK2107512-001	IM1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.2	1.1	10.5
HK2107512-013	G1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.8	2.9	3.54
EA/ED: Physical and Aggregate Properties (QC Lot: 3545965)								
HK2107512-023	G2-E-B-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.2	2.0	7.14
HK2107512-033	IM1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.6	2.7	4.69
EA/ED: Physical and Aggregate Properties (QC Lot: 3545966)								
HK2107512-045	G1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.7	3.3	20.7
HK2107512-055	C1-F-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.7	5.3	12.5

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3545964)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	103	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3545965)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	95.0	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3545966)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	91.5	----	85.9	117	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2108166
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 05-Mar-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 09-Mar-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

Signatory

Position

Authorised results for:

Fung Lim Chee, Richard

Managing Director

Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 05-Mar-2021 to 09-Mar-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2108166 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	05-Mar-2021	HK2108166-001	1.2	---	---	---	---	---
IM1-E-S-2	05-Mar-2021	HK2108166-002	1.2	---	---	---	---	---
IM1-E-M-1	05-Mar-2021	HK2108166-003	1.5	---	---	---	---	---
IM1-E-M-2	05-Mar-2021	HK2108166-004	1.6	---	---	---	---	---
IM1-E-B-1	05-Mar-2021	HK2108166-005	1.6	---	---	---	---	---
IM1-E-B-2	05-Mar-2021	HK2108166-006	1.9	---	---	---	---	---
IM2-E-S-1	05-Mar-2021	HK2108166-007	1.6	---	---	---	---	---
IM2-E-S-2	05-Mar-2021	HK2108166-008	1.9	---	---	---	---	---
IM2-E-B-1	05-Mar-2021	HK2108166-011	1.3	---	---	---	---	---
IM2-E-B-2	05-Mar-2021	HK2108166-012	1.6	---	---	---	---	---
G1-E-S-1	05-Mar-2021	HK2108166-013	1.2	---	---	---	---	---
G1-E-S-2	05-Mar-2021	HK2108166-014	1.2	---	---	---	---	---
G1-E-M-1	05-Mar-2021	HK2108166-015	1.1	---	---	---	---	---
G1-E-M-2	05-Mar-2021	HK2108166-016	1.2	---	---	---	---	---
G1-E-B-1	05-Mar-2021	HK2108166-017	1.1	---	---	---	---	---
G1-E-B-2	05-Mar-2021	HK2108166-018	1.1	---	---	---	---	---
G2-E-S-1	05-Mar-2021	HK2108166-019	0.8	---	---	---	---	---
G2-E-S-2	05-Mar-2021	HK2108166-020	0.9	---	---	---	---	---
G2-E-M-1	05-Mar-2021	HK2108166-021	1.3	---	---	---	---	---
G2-E-M-2	05-Mar-2021	HK2108166-022	1.3	---	---	---	---	---
G2-E-B-1	05-Mar-2021	HK2108166-023	1.6	---	---	---	---	---
G2-E-B-2	05-Mar-2021	HK2108166-024	1.4	---	---	---	---	---
C1-E-S-1	05-Mar-2021	HK2108166-025	1.0	---	---	---	---	---
C1-E-S-2	05-Mar-2021	HK2108166-026	1.1	---	---	---	---	---
C1-E-M-1	05-Mar-2021	HK2108166-027	1.2	---	---	---	---	---
C1-E-M-2	05-Mar-2021	HK2108166-028	1.2	---	---	---	---	---
C1-E-B-1	05-Mar-2021	HK2108166-029	1.6	---	---	---	---	---
C1-E-B-2	05-Mar-2021	HK2108166-030	1.5	---	---	---	---	---
IM1-F-S-1	05-Mar-2021	HK2108166-031	0.9	---	---	---	---	---
IM1-F-S-2	05-Mar-2021	HK2108166-032	0.8	---	---	---	---	---
IM1-F-M-1	05-Mar-2021	HK2108166-033	0.9	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	05-Mar-2021	HK2108166-034	0.8	----	----	----	----	----
IM1-F-B-1	05-Mar-2021	HK2108166-035	1.3	----	----	----	----	----
IM1-F-B-2	05-Mar-2021	HK2108166-036	1.2	----	----	----	----	----
IM2-F-S-1	05-Mar-2021	HK2108166-037	1.2	----	----	----	----	----
IM2-F-S-2	05-Mar-2021	HK2108166-038	1.1	----	----	----	----	----
IM2-F-B-1	05-Mar-2021	HK2108166-041	1.5	----	----	----	----	----
IM2-F-B-2	05-Mar-2021	HK2108166-042	1.7	----	----	----	----	----
G1-F-S-1	05-Mar-2021	HK2108166-043	1.1	----	----	----	----	----
G1-F-S-2	05-Mar-2021	HK2108166-044	1.0	----	----	----	----	----
G1-F-M-1	05-Mar-2021	HK2108166-045	1.0	----	----	----	----	----
G1-F-M-2	05-Mar-2021	HK2108166-046	1.1	----	----	----	----	----
G1-F-B-1	05-Mar-2021	HK2108166-047	1.4	----	----	----	----	----
G1-F-B-2	05-Mar-2021	HK2108166-048	1.2	----	----	----	----	----
G2-F-S-1	05-Mar-2021	HK2108166-049	2.1	----	----	----	----	----
G2-F-S-2	05-Mar-2021	HK2108166-050	2.0	----	----	----	----	----
G2-F-M-1	05-Mar-2021	HK2108166-051	1.7	----	----	----	----	----
G2-F-M-2	05-Mar-2021	HK2108166-052	1.6	----	----	----	----	----
G2-F-B-1	05-Mar-2021	HK2108166-053	1.6	----	----	----	----	----
G2-F-B-2	05-Mar-2021	HK2108166-054	1.6	----	----	----	----	----
C1-F-S-1	05-Mar-2021	HK2108166-055	2.4	----	----	----	----	----
C1-F-S-2	05-Mar-2021	HK2108166-056	2.1	----	----	----	----	----
C1-F-M-1	05-Mar-2021	HK2108166-057	1.7	----	----	----	----	----
C1-F-M-2	05-Mar-2021	HK2108166-058	1.9	----	----	----	----	----
C1-F-B-1	05-Mar-2021	HK2108166-059	1.7	----	----	----	----	----
C1-F-B-2	05-Mar-2021	HK2108166-060	1.7	----	----	----	----	----



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3551053)								
HK2108166-001	IM1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.2	0.9	31.3
HK2108166-013	G1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.2	1.0	24.7
EA/ED: Physical and Aggregate Properties (QC Lot: 3551054)								
HK2108166-023	G2-E-B-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.6	1.3	18.8
HK2108166-033	IM1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	0.9	0.7	28.6
EA/ED: Physical and Aggregate Properties (QC Lot: 3551055)								
HK2108166-045	G1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.0	0.7	41.2
HK2108166-055	C1-F-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.4	2.2	9.94

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3551053)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	95.5	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3551054)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	92.0	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3551055)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	104	----	85.9	117	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2108170
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 08-Mar-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 10-Mar-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

Signatory

Position

Authorised results for:

Fung Lim Chee, Richard

Managing Director

Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 08-Mar-2021 to 10-Mar-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2108170 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	08-Mar-2021	HK2108170-001	1.6	---	---	---	---	---
IM1-E-S-2	08-Mar-2021	HK2108170-002	2.5	---	---	---	---	---
IM1-E-M-1	08-Mar-2021	HK2108170-003	3.2	---	---	---	---	---
IM1-E-M-2	08-Mar-2021	HK2108170-004	2.5	---	---	---	---	---
IM1-E-B-1	08-Mar-2021	HK2108170-005	3.5	---	---	---	---	---
IM1-E-B-2	08-Mar-2021	HK2108170-006	2.7	---	---	---	---	---
IM2-E-S-1	08-Mar-2021	HK2108170-007	4.3	---	---	---	---	---
IM2-E-S-2	08-Mar-2021	HK2108170-008	4.7	---	---	---	---	---
IM2-E-B-1	08-Mar-2021	HK2108170-011	3.2	---	---	---	---	---
IM2-E-B-2	08-Mar-2021	HK2108170-012	3.8	---	---	---	---	---
G1-E-S-1	08-Mar-2021	HK2108170-013	2.3	---	---	---	---	---
G1-E-S-2	08-Mar-2021	HK2108170-014	3.3	---	---	---	---	---
G1-E-M-1	08-Mar-2021	HK2108170-015	4.0	---	---	---	---	---
G1-E-M-2	08-Mar-2021	HK2108170-016	3.2	---	---	---	---	---
G1-E-B-1	08-Mar-2021	HK2108170-017	4.3	---	---	---	---	---
G1-E-B-2	08-Mar-2021	HK2108170-018	3.5	---	---	---	---	---
G2-E-S-1	08-Mar-2021	HK2108170-019	5.0	---	---	---	---	---
G2-E-S-2	08-Mar-2021	HK2108170-020	5.2	---	---	---	---	---
G2-E-M-1	08-Mar-2021	HK2108170-021	4.6	---	---	---	---	---
G2-E-M-2	08-Mar-2021	HK2108170-022	4.4	---	---	---	---	---
G2-E-B-1	08-Mar-2021	HK2108170-023	3.2	---	---	---	---	---
G2-E-B-2	08-Mar-2021	HK2108170-024	4.4	---	---	---	---	---
C1-E-S-1	08-Mar-2021	HK2108170-025	3.8	---	---	---	---	---
C1-E-S-2	08-Mar-2021	HK2108170-026	3.6	---	---	---	---	---
C1-E-M-1	08-Mar-2021	HK2108170-027	3.5	---	---	---	---	---
C1-E-M-2	08-Mar-2021	HK2108170-028	3.4	---	---	---	---	---
C1-E-B-1	08-Mar-2021	HK2108170-029	3.2	---	---	---	---	---
C1-E-B-2	08-Mar-2021	HK2108170-030	2.8	---	---	---	---	---
IM1-F-S-1	08-Mar-2021	HK2108170-031	2.6	---	---	---	---	---
IM1-F-S-2	08-Mar-2021	HK2108170-032	2.5	---	---	---	---	---
IM1-F-M-1	08-Mar-2021	HK2108170-033	2.0	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	08-Mar-2021	HK2108170-034	3.2	----	----	----	----	----
IM1-F-B-1	08-Mar-2021	HK2108170-035	3.3	----	----	----	----	----
IM1-F-B-2	08-Mar-2021	HK2108170-036	3.0	----	----	----	----	----
IM2-F-S-1	08-Mar-2021	HK2108170-037	3.4	----	----	----	----	----
IM2-F-S-2	08-Mar-2021	HK2108170-038	3.4	----	----	----	----	----
IM2-F-B-1	08-Mar-2021	HK2108170-041	4.4	----	----	----	----	----
IM2-F-B-2	08-Mar-2021	HK2108170-042	5.3	----	----	----	----	----
G1-F-S-1	08-Mar-2021	HK2108170-043	3.6	----	----	----	----	----
G1-F-S-2	08-Mar-2021	HK2108170-044	3.2	----	----	----	----	----
G1-F-M-1	08-Mar-2021	HK2108170-045	2.1	----	----	----	----	----
G1-F-M-2	08-Mar-2021	HK2108170-046	2.9	----	----	----	----	----
G1-F-B-1	08-Mar-2021	HK2108170-047	2.7	----	----	----	----	----
G1-F-B-2	08-Mar-2021	HK2108170-048	2.6	----	----	----	----	----
G2-F-S-1	08-Mar-2021	HK2108170-049	4.1	----	----	----	----	----
G2-F-S-2	08-Mar-2021	HK2108170-050	3.8	----	----	----	----	----
G2-F-M-1	08-Mar-2021	HK2108170-051	3.7	----	----	----	----	----
G2-F-M-2	08-Mar-2021	HK2108170-052	3.5	----	----	----	----	----
G2-F-B-1	08-Mar-2021	HK2108170-053	3.0	----	----	----	----	----
G2-F-B-2	08-Mar-2021	HK2108170-054	3.6	----	----	----	----	----
C1-F-S-1	08-Mar-2021	HK2108170-055	1.5	----	----	----	----	----
C1-F-S-2	08-Mar-2021	HK2108170-056	2.2	----	----	----	----	----
C1-F-M-1	08-Mar-2021	HK2108170-057	2.1	----	----	----	----	----
C1-F-M-2	08-Mar-2021	HK2108170-058	2.4	----	----	----	----	----
C1-F-B-1	08-Mar-2021	HK2108170-059	2.9	----	----	----	----	----
C1-F-B-2	08-Mar-2021	HK2108170-060	2.6	----	----	----	----	----



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3553454)								
HK2108170-001	IM1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.6	1.9	15.8
HK2108170-013	G1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.3	2.5	8.33
EA/ED: Physical and Aggregate Properties (QC Lot: 3553455)								
HK2108170-023	G2-E-B-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.2	3.6	13.9
HK2108170-033	IM1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.0	2.3	10.4
EA/ED: Physical and Aggregate Properties (QC Lot: 3553456)								
HK2108170-045	G1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.1	2.3	10.3
HK2108170-055	C1-F-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.5	1.2	22.6

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3553454)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	99.5	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3553455)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	106	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3553456)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	100	----	85.9	117	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2108384
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 10-Mar-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 15-Mar-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

Signatory

Position

Authorised results for:

Fung Lim Chee, Richard

Managing Director

Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 10-Mar-2021 to 12-Mar-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2108384 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	10-Mar-2021	HK2108384-001	1.7	---	---	---	---	---
IM1-E-S-2	10-Mar-2021	HK2108384-002	1.6	---	---	---	---	---
IM1-E-M-1	10-Mar-2021	HK2108384-003	2.1	---	---	---	---	---
IM1-E-M-2	10-Mar-2021	HK2108384-004	1.8	---	---	---	---	---
IM1-E-B-1	10-Mar-2021	HK2108384-005	1.2	---	---	---	---	---
IM1-E-B-2	10-Mar-2021	HK2108384-006	1.3	---	---	---	---	---
IM2-E-S-1	10-Mar-2021	HK2108384-007	2.3	---	---	---	---	---
IM2-E-S-2	10-Mar-2021	HK2108384-008	1.9	---	---	---	---	---
IM2-E-B-1	10-Mar-2021	HK2108384-011	3.2	---	---	---	---	---
IM2-E-B-2	10-Mar-2021	HK2108384-012	2.4	---	---	---	---	---
G1-E-S-1	10-Mar-2021	HK2108384-013	2.2	---	---	---	---	---
G1-E-S-2	10-Mar-2021	HK2108384-014	2.1	---	---	---	---	---
G1-E-M-1	10-Mar-2021	HK2108384-015	2.1	---	---	---	---	---
G1-E-M-2	10-Mar-2021	HK2108384-016	2.2	---	---	---	---	---
G1-E-B-1	10-Mar-2021	HK2108384-017	1.7	---	---	---	---	---
G1-E-B-2	10-Mar-2021	HK2108384-018	2.2	---	---	---	---	---
G2-E-S-1	10-Mar-2021	HK2108384-019	1.9	---	---	---	---	---
G2-E-S-2	10-Mar-2021	HK2108384-020	1.5	---	---	---	---	---
G2-E-M-1	10-Mar-2021	HK2108384-021	1.6	---	---	---	---	---
G2-E-M-2	10-Mar-2021	HK2108384-022	1.7	---	---	---	---	---
G2-E-B-1	10-Mar-2021	HK2108384-023	1.7	---	---	---	---	---
G2-E-B-2	10-Mar-2021	HK2108384-024	1.1	---	---	---	---	---
C1-E-S-1	10-Mar-2021	HK2108384-025	3.1	---	---	---	---	---
C1-E-S-2	10-Mar-2021	HK2108384-026	2.4	---	---	---	---	---
C1-E-M-1	10-Mar-2021	HK2108384-027	2.6	---	---	---	---	---
C1-E-M-2	10-Mar-2021	HK2108384-028	2.2	---	---	---	---	---
C1-E-B-1	10-Mar-2021	HK2108384-029	2.5	---	---	---	---	---
C1-E-B-2	10-Mar-2021	HK2108384-030	2.2	---	---	---	---	---
IM1-F-S-1	10-Mar-2021	HK2108384-031	2.4	---	---	---	---	---
IM1-F-S-2	10-Mar-2021	HK2108384-032	2.0	---	---	---	---	---
IM1-F-M-1	10-Mar-2021	HK2108384-033	2.3	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	10-Mar-2021	HK2108384-034	2.0	----	----	----	----	----
IM1-F-B-1	10-Mar-2021	HK2108384-035	1.6	----	----	----	----	----
IM1-F-B-2	10-Mar-2021	HK2108384-036	2.0	----	----	----	----	----
IM2-F-S-1	10-Mar-2021	HK2108384-037	1.8	----	----	----	----	----
IM2-F-S-2	10-Mar-2021	HK2108384-038	1.0	----	----	----	----	----
IM2-F-B-1	10-Mar-2021	HK2108384-041	1.7	----	----	----	----	----
IM2-F-B-2	10-Mar-2021	HK2108384-042	1.7	----	----	----	----	----
G1-F-S-1	10-Mar-2021	HK2108384-043	2.3	----	----	----	----	----
G1-F-S-2	10-Mar-2021	HK2108384-044	2.0	----	----	----	----	----
G1-F-M-1	10-Mar-2021	HK2108384-045	2.0	----	----	----	----	----
G1-F-M-2	10-Mar-2021	HK2108384-046	2.4	----	----	----	----	----
G1-F-B-1	10-Mar-2021	HK2108384-047	2.2	----	----	----	----	----
G1-F-B-2	10-Mar-2021	HK2108384-048	2.0	----	----	----	----	----
G2-F-S-1	10-Mar-2021	HK2108384-049	2.8	----	----	----	----	----
G2-F-S-2	10-Mar-2021	HK2108384-050	1.8	----	----	----	----	----
G2-F-M-1	10-Mar-2021	HK2108384-051	2.9	----	----	----	----	----
G2-F-M-2	10-Mar-2021	HK2108384-052	2.8	----	----	----	----	----
G2-F-B-1	10-Mar-2021	HK2108384-053	2.9	----	----	----	----	----
G2-F-B-2	10-Mar-2021	HK2108384-054	3.3	----	----	----	----	----
C1-F-S-1	10-Mar-2021	HK2108384-055	1.4	----	----	----	----	----
C1-F-S-2	10-Mar-2021	HK2108384-056	2.0	----	----	----	----	----
C1-F-M-1	10-Mar-2021	HK2108384-057	1.8	----	----	----	----	----
C1-F-M-2	10-Mar-2021	HK2108384-058	1.6	----	----	----	----	----
C1-F-B-1	10-Mar-2021	HK2108384-059	1.1	----	----	----	----	----
C1-F-B-2	10-Mar-2021	HK2108384-060	1.8	----	----	----	----	----



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3558386)								
HK2108384-001	IM1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.7	2.2	26.0
HK2108384-013	G1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.2	2.6	14.6
EA/ED: Physical and Aggregate Properties (QC Lot: 3558387)								
HK2108384-023	G2-E-B-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.7	1.3	23.3
HK2108384-033	IM1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.3	1.9	18.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3558388)								
HK2108384-045	G1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.0	1.6	19.7
HK2108384-055	C1-F-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.2	15.7

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3558386)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	102	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3558387)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	99.0	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3558388)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	106	----	85.9	117	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2108385
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 12-Mar-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 16-Mar-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

Signatory

Position

Authorised results for:

Fung Lim Chee, Richard

Managing Director

Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 12-Mar-2021 to 16-Mar-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2108385 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	12-Mar-2021	HK2108385-001	2.7	---	---	---	---	---
IM1-E-S-2	12-Mar-2021	HK2108385-002	3.4	---	---	---	---	---
IM1-E-M-1	12-Mar-2021	HK2108385-003	1.5	---	---	---	---	---
IM1-E-M-2	12-Mar-2021	HK2108385-004	1.6	---	---	---	---	---
IM1-E-B-1	12-Mar-2021	HK2108385-005	1.8	---	---	---	---	---
IM1-E-B-2	12-Mar-2021	HK2108385-006	1.6	---	---	---	---	---
IM2-E-S-1	12-Mar-2021	HK2108385-007	1.9	---	---	---	---	---
IM2-E-S-2	12-Mar-2021	HK2108385-008	1.9	---	---	---	---	---
IM2-E-B-1	12-Mar-2021	HK2108385-011	3.9	---	---	---	---	---
IM2-E-B-2	12-Mar-2021	HK2108385-012	3.0	---	---	---	---	---
G1-E-S-1	12-Mar-2021	HK2108385-013	2.1	---	---	---	---	---
G1-E-S-2	12-Mar-2021	HK2108385-014	2.8	---	---	---	---	---
G1-E-M-1	12-Mar-2021	HK2108385-015	3.1	---	---	---	---	---
G1-E-M-2	12-Mar-2021	HK2108385-016	2.8	---	---	---	---	---
G1-E-B-1	12-Mar-2021	HK2108385-017	2.5	---	---	---	---	---
G1-E-B-2	12-Mar-2021	HK2108385-018	3.2	---	---	---	---	---
G2-E-S-1	12-Mar-2021	HK2108385-019	1.8	---	---	---	---	---
G2-E-S-2	12-Mar-2021	HK2108385-020	1.5	---	---	---	---	---
G2-E-M-1	12-Mar-2021	HK2108385-021	1.4	---	---	---	---	---
G2-E-M-2	12-Mar-2021	HK2108385-022	1.5	---	---	---	---	---
G2-E-B-1	12-Mar-2021	HK2108385-023	2.4	---	---	---	---	---
G2-E-B-2	12-Mar-2021	HK2108385-024	2.0	---	---	---	---	---
C1-E-S-1	12-Mar-2021	HK2108385-025	2.4	---	---	---	---	---
C1-E-S-2	12-Mar-2021	HK2108385-026	2.2	---	---	---	---	---
C1-E-M-1	12-Mar-2021	HK2108385-027	1.8	---	---	---	---	---
C1-E-M-2	12-Mar-2021	HK2108385-028	2.0	---	---	---	---	---
C1-E-B-1	12-Mar-2021	HK2108385-029	1.7	---	---	---	---	---
C1-E-B-2	12-Mar-2021	HK2108385-030	1.8	---	---	---	---	---
IM1-F-S-1	12-Mar-2021	HK2108385-031	2.1	---	---	---	---	---
IM1-F-S-2	12-Mar-2021	HK2108385-032	2.7	---	---	---	---	---
IM1-F-M-1	12-Mar-2021	HK2108385-033	2.1	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	12-Mar-2021	HK2108385-034	2.8	----	----	----	----	----
IM1-F-B-1	12-Mar-2021	HK2108385-035	2.8	----	----	----	----	----
IM1-F-B-2	12-Mar-2021	HK2108385-036	3.0	----	----	----	----	----
IM2-F-S-1	12-Mar-2021	HK2108385-037	1.0	----	----	----	----	----
IM2-F-S-2	12-Mar-2021	HK2108385-038	1.4	----	----	----	----	----
IM2-F-B-1	12-Mar-2021	HK2108385-041	3.0	----	----	----	----	----
IM2-F-B-2	12-Mar-2021	HK2108385-042	4.1	----	----	----	----	----
G1-F-S-1	12-Mar-2021	HK2108385-043	1.8	----	----	----	----	----
G1-F-S-2	12-Mar-2021	HK2108385-044	1.6	----	----	----	----	----
G1-F-M-1	12-Mar-2021	HK2108385-045	2.0	----	----	----	----	----
G1-F-M-2	12-Mar-2021	HK2108385-046	1.6	----	----	----	----	----
G1-F-B-1	12-Mar-2021	HK2108385-047	2.5	----	----	----	----	----
G1-F-B-2	12-Mar-2021	HK2108385-048	2.2	----	----	----	----	----
G2-F-S-1	12-Mar-2021	HK2108385-049	1.6	----	----	----	----	----
G2-F-S-2	12-Mar-2021	HK2108385-050	2.2	----	----	----	----	----
G2-F-M-1	12-Mar-2021	HK2108385-051	2.2	----	----	----	----	----
G2-F-M-2	12-Mar-2021	HK2108385-052	1.7	----	----	----	----	----
G2-F-B-1	12-Mar-2021	HK2108385-053	1.9	----	----	----	----	----
G2-F-B-2	12-Mar-2021	HK2108385-054	1.9	----	----	----	----	----
C1-F-S-1	12-Mar-2021	HK2108385-055	1.4	----	----	----	----	----
C1-F-S-2	12-Mar-2021	HK2108385-056	1.8	----	----	----	----	----
C1-F-M-1	12-Mar-2021	HK2108385-057	1.7	----	----	----	----	----
C1-F-M-2	12-Mar-2021	HK2108385-058	1.9	----	----	----	----	----
C1-F-B-1	12-Mar-2021	HK2108385-059	2.8	----	----	----	----	----
C1-F-B-2	12-Mar-2021	HK2108385-060	2.3	----	----	----	----	----



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3563999)								
HK2108385-001	IM1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.7	2.5	9.62
HK2108385-013	G1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.1	2.4	13.3
EA/ED: Physical and Aggregate Properties (QC Lot: 3564000)								
HK2108385-023	G2-E-B-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.4	2.8	17.3
HK2108385-033	IM1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.1	2.5	16.4
EA/ED: Physical and Aggregate Properties (QC Lot: 3564001)								
HK2108385-045	G1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.0	1.8	10.8
HK2108385-055	C1-F-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.2	14.8

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3563999)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	106	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3564000)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	97.0	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3564001)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	101	----	85.9	117	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 5
<i>Contact</i>	: MR THOMAS WONG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2109447
<i>Address</i>	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: thomas.wong@eno.com.hk	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: ----	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 15-Mar-2021
<i>Facsimile</i>	: ----	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 17-Mar-2021
<i>Project</i>	: H2H EXPRESS SUBMARINE CABLE			<i>No. of samples</i>	- Received : 56
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1236/2021		- Analysed : 56
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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This document has been signed by those names that appear on this report and are the authorised signatories.

Signatory

Position

Authorised results for:

Fung Lim Chee, Richard

Managing Director

Inorganics



General Comments

This report supersedes any previous report(s) with this reference. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. Testing period is from 15-Mar-2021 to 17-Mar-2021.

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific Comments for Work Order HK2109447 :

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.



Analytical Results

Sub-Matrix: MARINE WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	0.5 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
IM1-E-S-1	15-Mar-2021	HK2109447-001	1.4	---	---	---	---	---
IM1-E-S-2	15-Mar-2021	HK2109447-002	1.9	---	---	---	---	---
IM1-E-M-1	15-Mar-2021	HK2109447-003	2.0	---	---	---	---	---
IM1-E-M-2	15-Mar-2021	HK2109447-004	2.4	---	---	---	---	---
IM1-E-B-1	15-Mar-2021	HK2109447-005	2.6	---	---	---	---	---
IM1-E-B-2	15-Mar-2021	HK2109447-006	3.4	---	---	---	---	---
IM2-E-S-1	15-Mar-2021	HK2109447-007	1.3	---	---	---	---	---
IM2-E-S-2	15-Mar-2021	HK2109447-008	1.8	---	---	---	---	---
IM2-E-B-1	15-Mar-2021	HK2109447-011	2.3	---	---	---	---	---
IM2-E-B-2	15-Mar-2021	HK2109447-012	2.3	---	---	---	---	---
G1-E-S-1	15-Mar-2021	HK2109447-013	1.4	---	---	---	---	---
G1-E-S-2	15-Mar-2021	HK2109447-014	2.0	---	---	---	---	---
G1-E-M-1	15-Mar-2021	HK2109447-015	2.4	---	---	---	---	---
G1-E-M-2	15-Mar-2021	HK2109447-016	2.0	---	---	---	---	---
G1-E-B-1	15-Mar-2021	HK2109447-017	2.4	---	---	---	---	---
G1-E-B-2	15-Mar-2021	HK2109447-018	3.0	---	---	---	---	---
G2-E-S-1	15-Mar-2021	HK2109447-019	1.8	---	---	---	---	---
G2-E-S-2	15-Mar-2021	HK2109447-020	2.1	---	---	---	---	---
G2-E-M-1	15-Mar-2021	HK2109447-021	2.1	---	---	---	---	---
G2-E-M-2	15-Mar-2021	HK2109447-022	2.5	---	---	---	---	---
G2-E-B-1	15-Mar-2021	HK2109447-023	1.7	---	---	---	---	---
G2-E-B-2	15-Mar-2021	HK2109447-024	2.6	---	---	---	---	---
C1-E-S-1	15-Mar-2021	HK2109447-025	2.6	---	---	---	---	---
C1-E-S-2	15-Mar-2021	HK2109447-026	2.6	---	---	---	---	---
C1-E-M-1	15-Mar-2021	HK2109447-027	2.4	---	---	---	---	---
C1-E-M-2	15-Mar-2021	HK2109447-028	2.7	---	---	---	---	---
C1-E-B-1	15-Mar-2021	HK2109447-029	1.8	---	---	---	---	---
C1-E-B-2	15-Mar-2021	HK2109447-030	2.3	---	---	---	---	---
IM1-F-S-1	15-Mar-2021	HK2109447-031	4.4	---	---	---	---	---
IM1-F-S-2	15-Mar-2021	HK2109447-032	5.6	---	---	---	---	---
IM1-F-M-1	15-Mar-2021	HK2109447-033	3.4	---	---	---	---	---



Sub-Matrix: MARINE WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	0.5 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
IM1-F-M-2	15-Mar-2021	HK2109447-034	4.8	----	----	----	----	----
IM1-F-B-1	15-Mar-2021	HK2109447-035	3.3	----	----	----	----	----
IM1-F-B-2	15-Mar-2021	HK2109447-036	4.0	----	----	----	----	----
IM2-F-S-1	15-Mar-2021	HK2109447-037	2.4	----	----	----	----	----
IM2-F-S-2	15-Mar-2021	HK2109447-038	1.8	----	----	----	----	----
IM2-F-B-1	15-Mar-2021	HK2109447-041	3.2	----	----	----	----	----
IM2-F-B-2	15-Mar-2021	HK2109447-042	2.4	----	----	----	----	----
G1-F-S-1	15-Mar-2021	HK2109447-043	5.5	----	----	----	----	----
G1-F-S-2	15-Mar-2021	HK2109447-044	6.4	----	----	----	----	----
G1-F-M-1	15-Mar-2021	HK2109447-045	5.0	----	----	----	----	----
G1-F-M-2	15-Mar-2021	HK2109447-046	4.6	----	----	----	----	----
G1-F-B-1	15-Mar-2021	HK2109447-047	4.5	----	----	----	----	----
G1-F-B-2	15-Mar-2021	HK2109447-048	3.9	----	----	----	----	----
G2-F-S-1	15-Mar-2021	HK2109447-049	3.9	----	----	----	----	----
G2-F-S-2	15-Mar-2021	HK2109447-050	3.2	----	----	----	----	----
G2-F-M-1	15-Mar-2021	HK2109447-051	3.7	----	----	----	----	----
G2-F-M-2	15-Mar-2021	HK2109447-052	3.3	----	----	----	----	----
G2-F-B-1	15-Mar-2021	HK2109447-053	2.6	----	----	----	----	----
G2-F-B-2	15-Mar-2021	HK2109447-054	2.8	----	----	----	----	----
C1-F-S-1	15-Mar-2021	HK2109447-055	2.8	----	----	----	----	----
C1-F-S-2	15-Mar-2021	HK2109447-056	3.3	----	----	----	----	----
C1-F-M-1	15-Mar-2021	HK2109447-057	4.1	----	----	----	----	----
C1-F-M-2	15-Mar-2021	HK2109447-058	3.9	----	----	----	----	----
C1-F-B-1	15-Mar-2021	HK2109447-059	4.4	----	----	----	----	----
C1-F-B-2	15-Mar-2021	HK2109447-060	4.8	----	----	----	----	----



Laboratory Duplicate (DUP) Report

Matrix: WATER				Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3567068)								
HK2109447-001	IM1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.6	8.40
HK2109447-013	G1-E-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.7	17.3
EA/ED: Physical and Aggregate Properties (QC Lot: 3567069)								
HK2109447-023	G2-E-B-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.7	2.0	13.7
HK2109447-033	IM1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.4	3.7	8.45
EA/ED: Physical and Aggregate Properties (QC Lot: 3567070)								
HK2109447-045	G1-F-M-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	5.0	4.4	13.2
HK2109447-055	C1-F-S-1	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.8	2.4	14.5

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
						LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 3567068)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	103	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3567069)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	94.0	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3567070)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	96.0	----	85.9	117	----	----

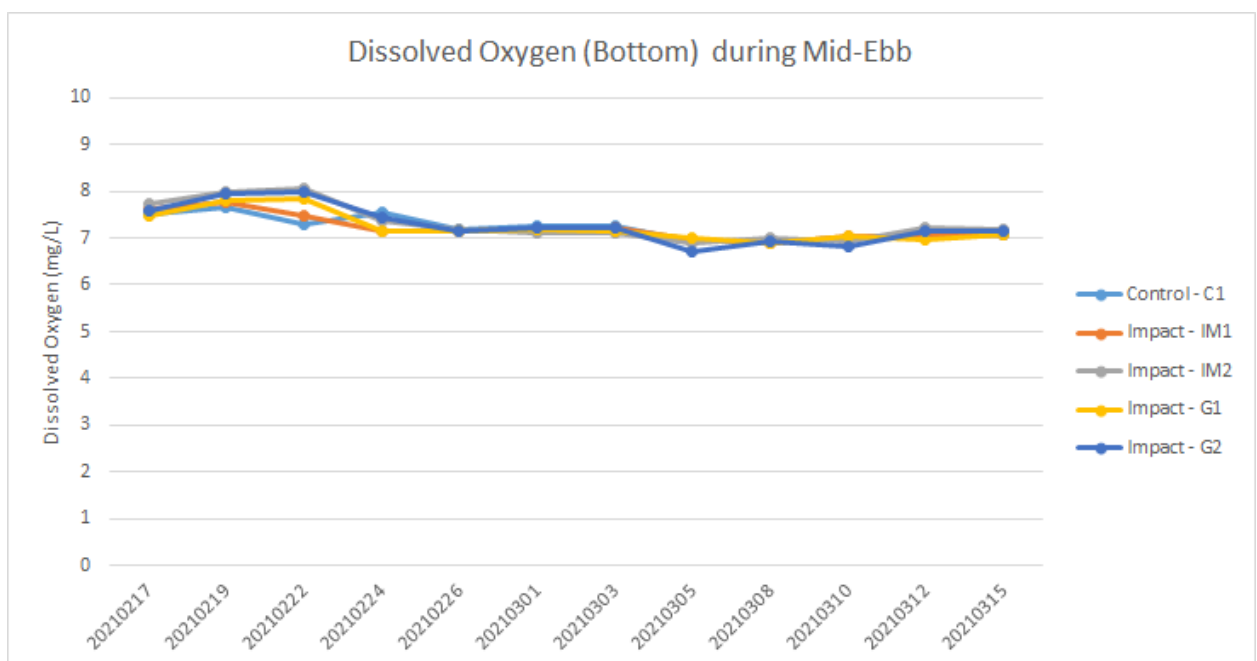
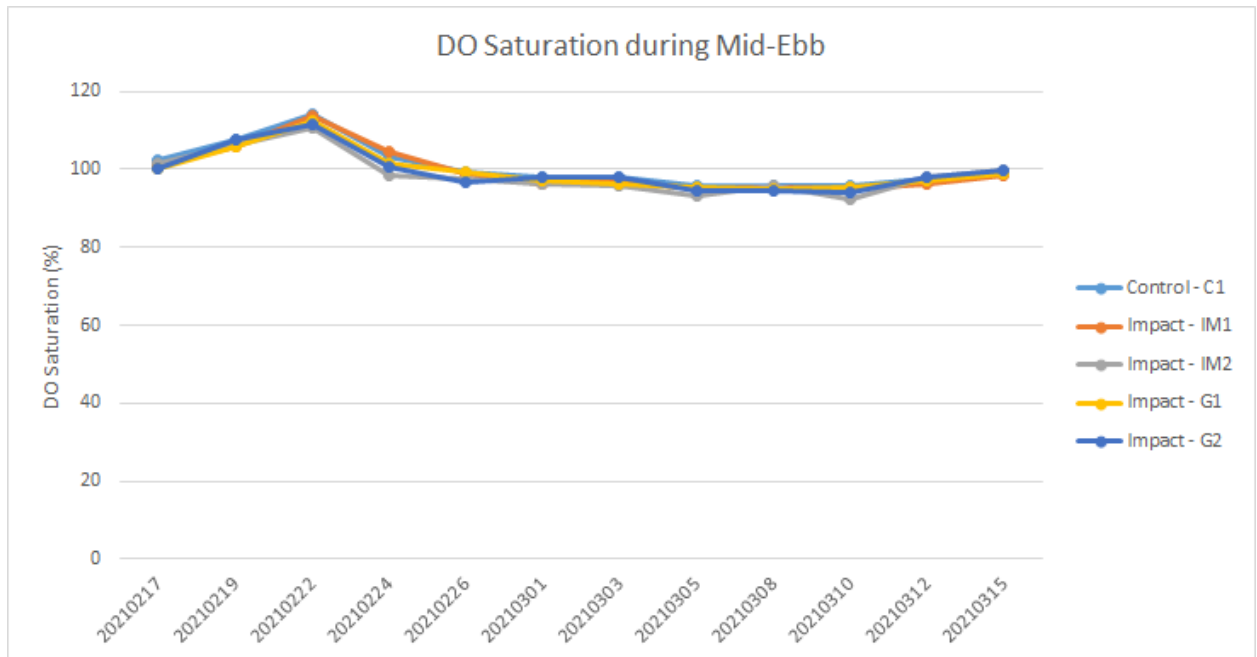
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

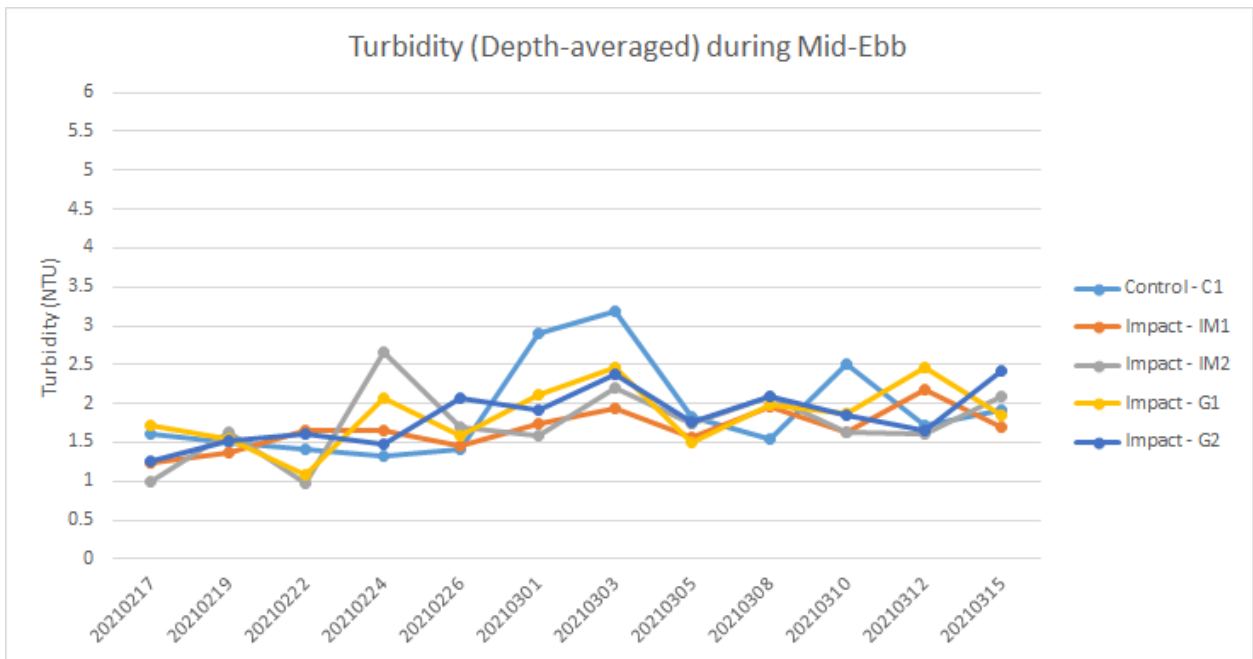
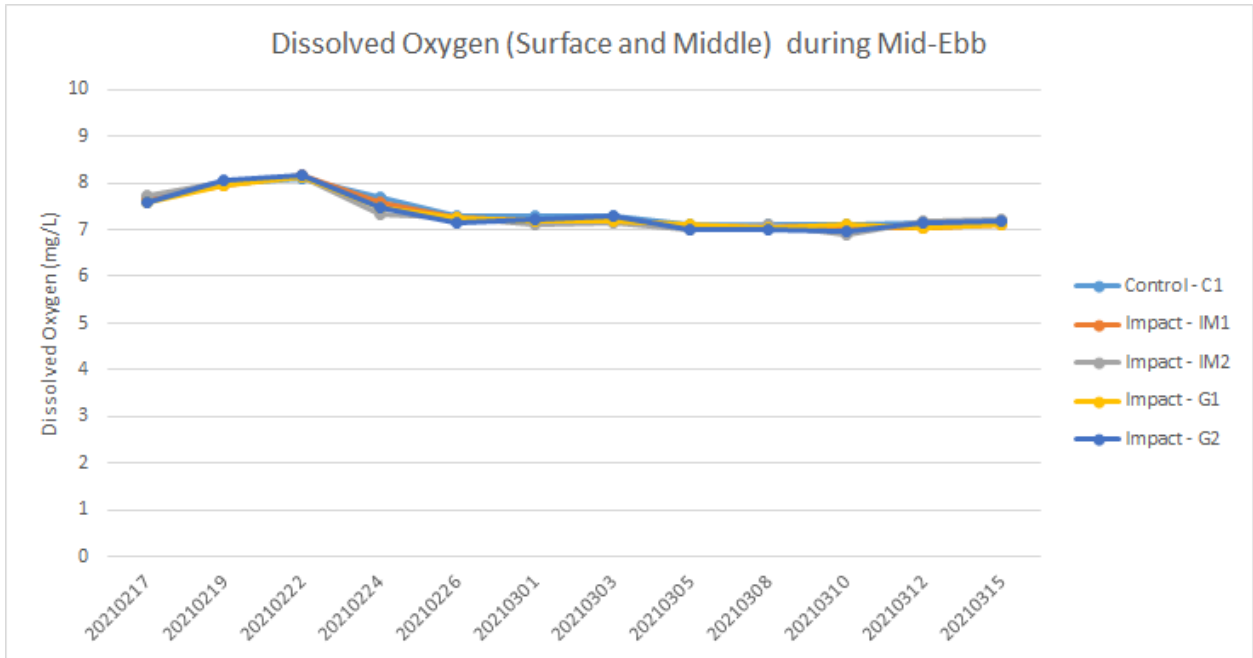
- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.

**APPENDIX D BASELINE WATER QUALITY MONITORING RESULTS
(ZONE A)**

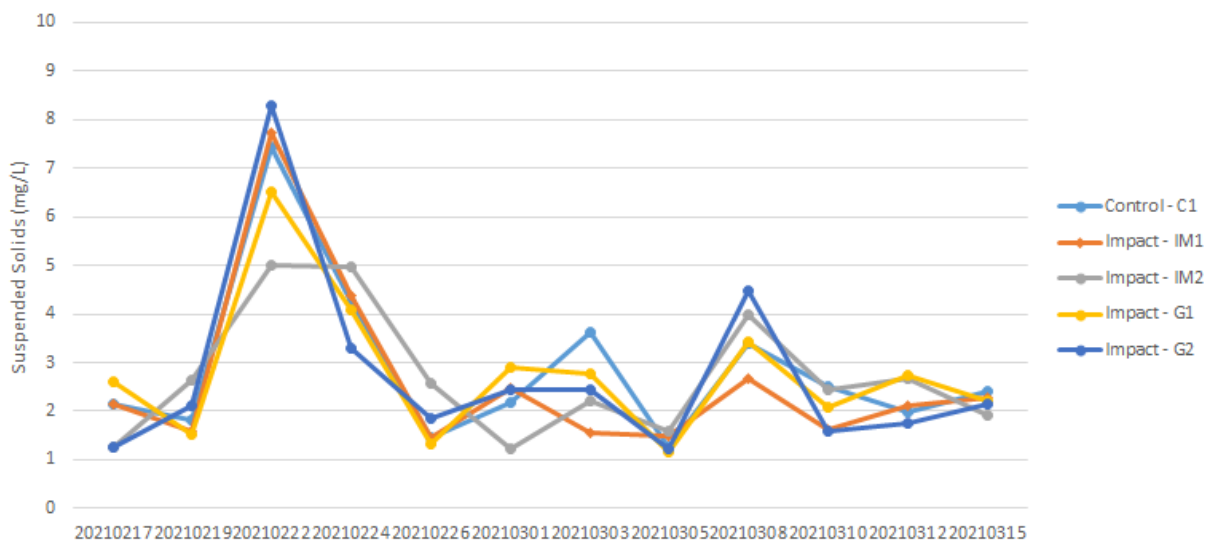
Graphical presentation of the baseline monitoring result for Zone A

During Mid-Ebb

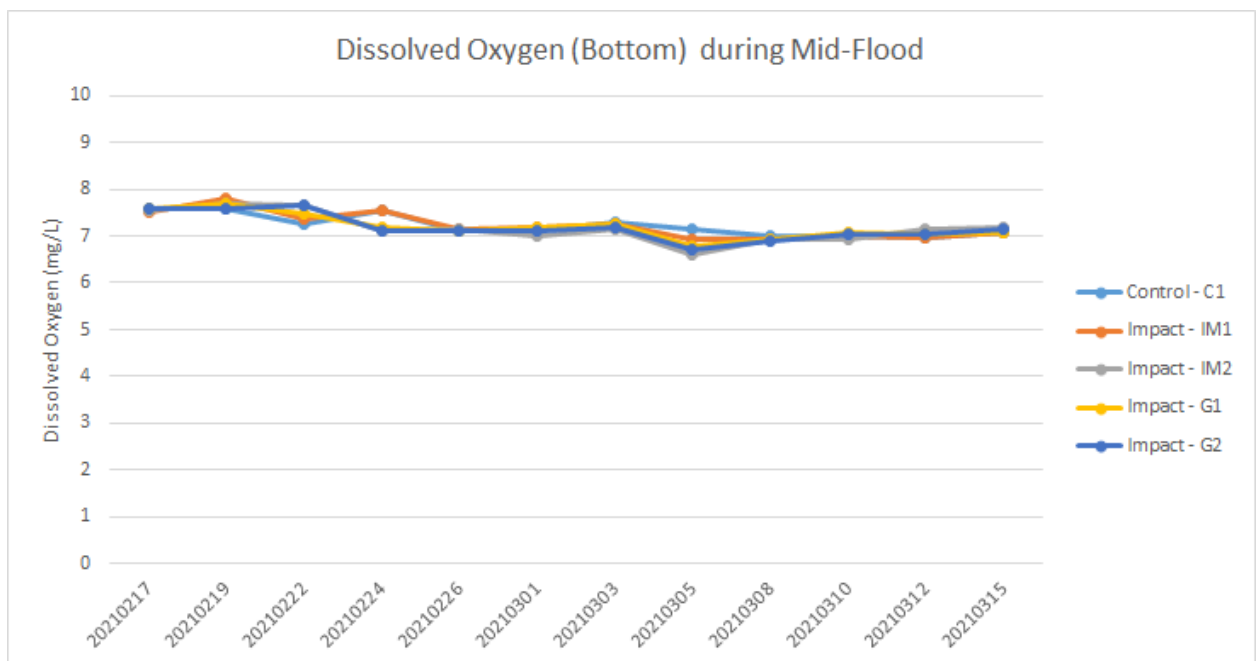
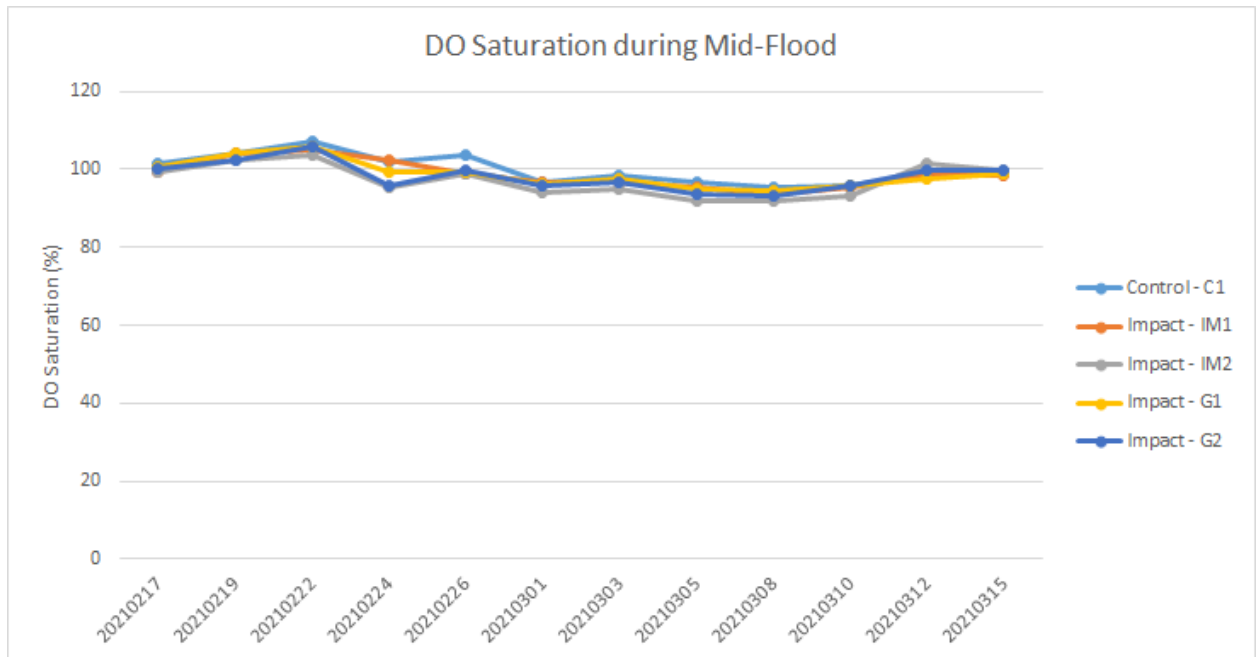


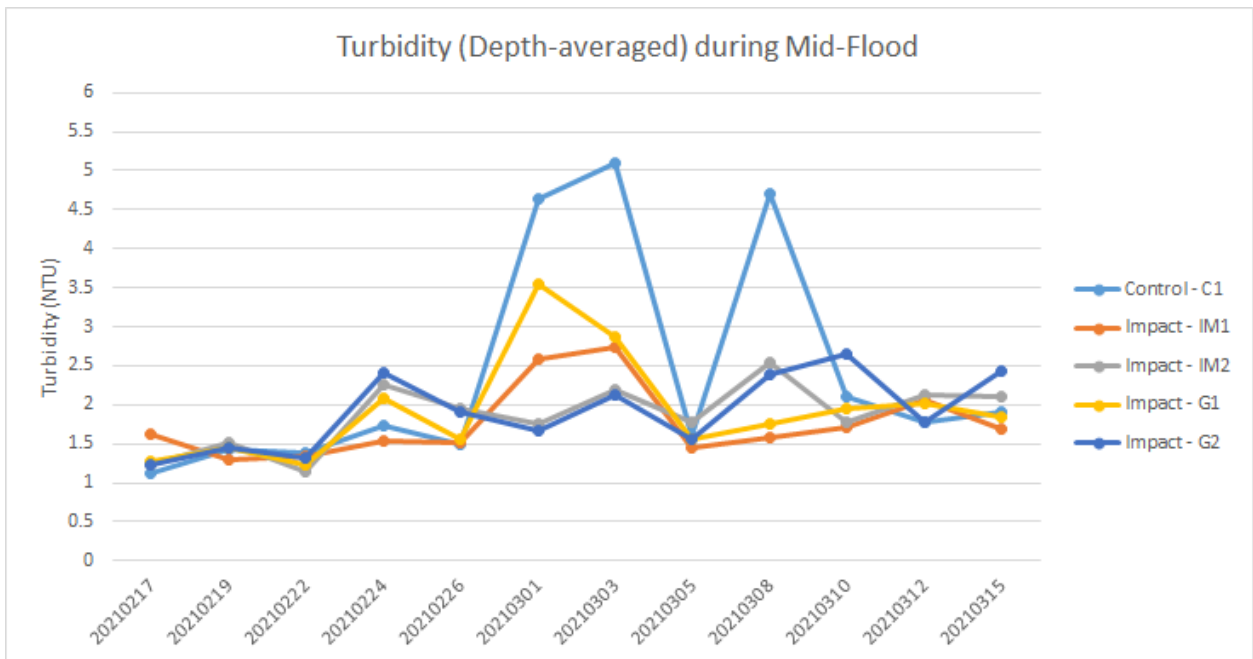
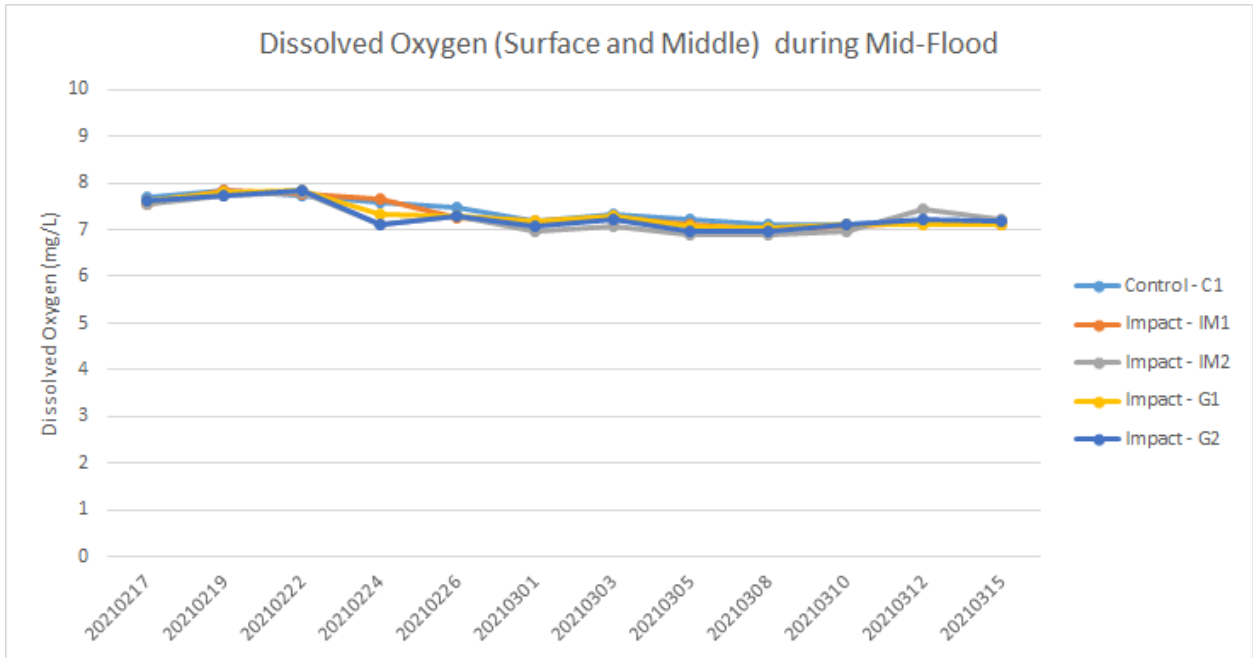


Suspended Solids (Depth-averaged) during Mid-Ebb

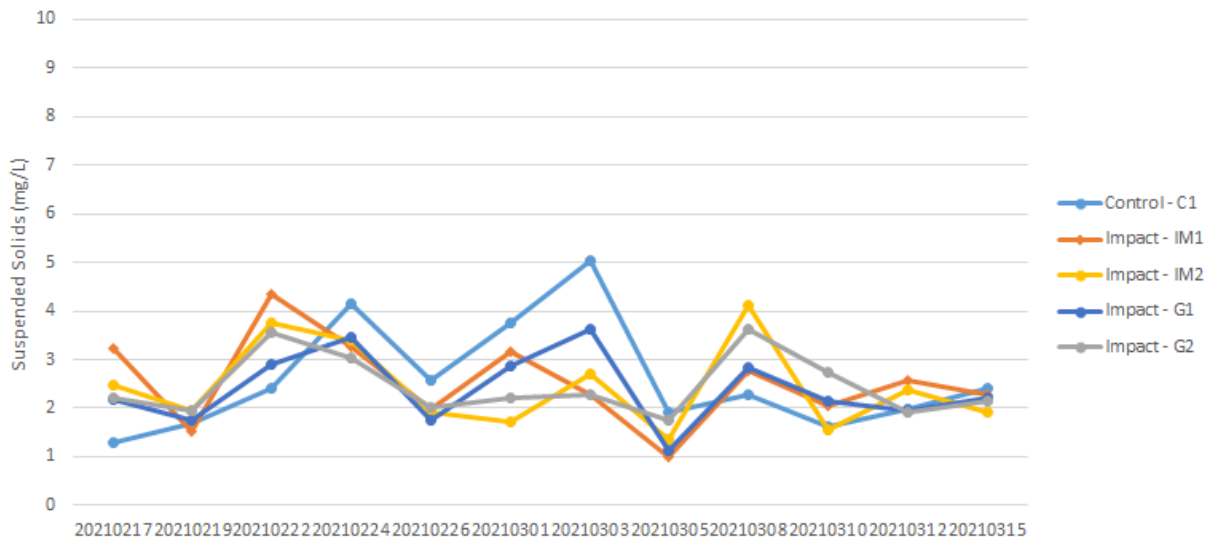


During Mid-Flood





Suspended Solids (Depth-averaged) during Mid-Flood



Water Quality Monitoring Data Log Sheet

17-Feb-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Cloudy	Moderate	02:35	23.6	S	0.27	143	18.8	18.8	34.13	34.14	8.08	8.08	102.4	102.4	7.78	7.78	7.68	1.90	1.91	1.61	1.7	1.8	2.1	
						0.29	148	18.8		34.14		8.08		102.3		7.78			1.91			1.8			
					M	0.22	124	18.8	18.8	34.28	34.28	8.06	8.06	99.9	99.9	7.58	7.58		1.46	1.43		1.40	2.1		2.2
						0.23	132	18.8		34.28		8.06		99.8		7.57			2.2						
					B	0.19	120	18.8	18.8	34.27	34.27	8.05	8.05	98.9	98.9	7.51	7.51		1.49	1.51		1.52	2.6		2.5
						0.20	127	18.8		34.27		8.05		98.9		7.51			2.4						
IM1	Cloudy	Moderate	02:48	20.4	S	0.30	146	18.8	18.8	34.07	34.08	8.09	8.09	101.1	101.1	7.69	7.69	7.65	1.09	1.10	1.24	1.6	1.7	2.2	
						0.30	159	18.8		34.08		8.09		101.0		7.69			1.10			1.8			
					M	0.27	133	18.7	18.7	34.15	34.15	8.08	8.08	100.0	100.0	7.61	7.61		1.28	1.29		1.29	2.1		2.2
						0.29	142	18.7		34.15		8.08		100.0		7.61			2.3						
					B	0.16	152	18.8	18.8	34.17	34.17	8.07	8.07	100.2	100.2	7.62	7.62		1.33	1.35		1.36	2.5		2.6
						0.16	152	18.8		34.17		8.07		100.2		7.62			2.6						
IM2	Cloudy	Moderate	03:16	5	S	0.04	116	18.7	18.7	34.09	34.09	8.08	8.08	101.6	101.6	7.74	7.74	7.74	1.01	1.01	0.99	1.6	1.6	1.3	
						0.04	116	18.7		34.09		8.08		101.6		7.74			1.00			1.6			
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-
						-	-	-		-		-		-		-			-			-			
					B	0.02	262	18.6	18.6	34.08	34.08	8.08	8.08	101.4	101.4	7.73	7.73		0.98	0.98		0.98	0.9		0.9
						0.02	279	18.6		34.08		8.08		101.4		7.73			0.98			0.9			
G1	Cloudy	Moderate	02:55	17.8	S	0.01	295	18.9	18.9	34.25	34.25	8.09	8.09	100.3	100.3	7.61	7.61	7.58	1.26	1.26	1.73	3.2	3.1	2.6	
						0.01	311	18.9		34.25		8.09		100.3		7.61			1.26			3.0			
					M	0.04	213	19.0	19.0	34.39	34.39	8.08	8.08	99.7	99.7	7.54	7.54		1.37	1.39		1.40	2.5		2.6
						0.04	229	19.0		34.39		8.08		99.7		7.54			2.7						
					B	0.10	213	19.0	19.0	34.43	34.43	8.08	8.08	98.8	98.8	7.47	7.47		2.44	2.54		2.63	2.1		2.2
						0.10	214	19.0		34.43		8.08		98.8		7.47			2.2						
G2	Cloudy	Moderate	03:07	9.3	S	0.06	355	18.7	18.7	34.12	34.13	8.09	8.09	100.4	100.4	7.65	7.65	7.57	1.00	1.01	1.25	1.4	1.4	1.3	
						0.06	326.6	18.7		34.13		8.09		100.3		7.64			1.01			1.3			
					M	0.02	6	18.7	18.7	34.16	34.16	8.08	8.08	98.5	98.4	7.50	7.49		1.14	1.18		1.21	1.2		1.3
						0.02	6	18.7		34.16		8.08		98.3		7.48			1.3						
					B	0.11	45	18.7	18.7	34.16	34.16	8.08	8.08	99.2	99.4	7.56	7.57		1.62	1.58		1.54	1.1		1.2
						0.12	46	18.7		34.16		8.08		99.6		7.58			1.2						

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

17-Feb-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Fine	Moderate	08:01	23	S	0.16	163	18.8	18.8	33.89	33.90	8.08	8.08	101.7	101.7	7.74	7.74	7.68	0.96	0.96	1.12	0.9	0.9	1.3
						0.17	176	18.8		33.90		8.08		101.7		7.74			0.96			0.8		
					M	0.03	265	18.8	18.8	34.07	34.07	8.07	8.07	100.2	100.2	7.62	7.62		1.02	1.03		1.2	1.3	
						0.03	284	18.8		34.07		8.07		100.2		7.62			1.04			1.4		
					B	0.16	329	18.8	18.8	34.18	34.18	8.09	8.09	99.6	99.6	7.57	7.57		1.36	1.36		1.6	1.7	
						0.17	351	18.8		34.18		8.09		99.6		7.57			1.36			1.8		
IM1	Fine	Moderate	08:13	20	S	0.20	281	18.7	18.7	34.13	34.14	8.07	8.07	99.5	99.5	7.58	7.55	1.15	1.15	1.62	3.8	4.0	3.2	
						0.20	300	18.7		34.14		8.07		99.5		7.58		1.14			4.2			
					M	0.29	292	18.7	18.7	34.16	34.16	8.07	8.07	98.8	98.8	7.52		7.52	1.20		1.22	3.1		3.2
						0.31	316	18.7		34.16		8.07		98.8		7.52			1.24			3.3		
					B	0.47	304	18.7	18.7	34.20	34.20	8.07	8.07	98.6	98.7	7.51		7.51	2.51		2.49	2.4		2.5
						0.48	319	18.7		34.20		8.07		98.7		7.51			2.46			2.5		
IM2	Fine	Moderate	08:40	5.1	S	0.02	66	18.7	18.7	34.19	34.19	8.07	8.07	99.2	99.2	7.55	7.55	1.20	1.21	1.23	2.6	2.7	2.5	
						0.02	68	18.7		34.19		8.07		99.2		7.55		1.22			2.7			
					M	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-
						-	-	-		-		-		-		-			-			-		
					B	0.02	87	18.7	18.7	34.19	34.19	8.07	8.07	99.0	99.0	7.54		7.54	1.24		1.24	2.2		2.3
						0.02	89	18.7		34.19		8.07		99.0		7.54			1.24			2.4		
G1	Fine	Moderate	08:21	17.2	S	0.37	275	18.8	18.8	34.14	34.14	8.08	8.08	100.5	100.5	7.64	7.62	1.25	1.25	1.27	2.7	2.6	2.2	
						0.38	295	18.8		34.14		8.08		100.4		7.64		1.25			2.4			
					M	0.35	268	18.8	18.8	34.16	34.16	8.08	8.08	100.0	100.0	7.60		7.60	1.28		1.28	2.1		2.3
						0.38	287	18.8		34.16		8.08		99.9		7.60			1.28			2.4		
					B	0.41	249	18.8	18.8	34.20	34.20	8.07	8.07	99.6	99.6	7.58		7.58	1.29		1.29	1.6		1.7
						0.42	258	18.8		34.20		8.07		99.6		7.58			1.28			1.8		
G2	Fine	Moderate	08:32	9	S	0.04	48	18.7	18.7	34.13	34.13	8.08	8.08	100.4	100.4	7.64	7.62	1.18	1.18	1.22	2.7	2.8	2.2	
						0.04	52	18.7		34.13		8.08		100.3		7.63		1.18			2.9			
					M	0.01	144	18.7	18.7	34.14	34.14	8.08	8.08	100.1	100.1	7.61		7.61	1.27		1.27	2.2		2.3
						0.01	149	18.7		34.14		8.08		100.0		7.61			1.27			2.4		
					B	0.05	2	18.8	18.8	34.17	34.17	8.08	8.08	99.9	99.9	7.60		7.60	1.22		1.22	1.4		1.5
						0.05	2	18.8		34.17		8.08		99.9		7.60			1.22			1.6		

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

19-Feb-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Cloudy	Moderate	21:33	23.4	S	0.26	140	19.2	19.2	33.78	33.78	8.11	8.11	107.7	107.7	8.14	8.14	7.98	1.17	1.18	1.50	2.6	2.2	1.8
						0.27	145	19.2		33.78		8.11		107.7		8.14			1.19			1.8		
					M	0.25	69	19.1	19.1	33.91	33.91	8.10	8.10	103.5	103.4	7.84	7.83		1.24	1.25		2.5	2.1	
						0.27	74	19.1		33.91		8.10		103.2		7.81			1.26			1.6		
					B	0.29	114	19.4	19.4	34.15	34.15	8.09	8.10	101.6	101.7	7.64	7.65		2.08	2.08		1.5	1.3	
						0.32	123	19.4		34.15		8.10		101.8		7.65			2.08			1.0		
IM1	Cloudy	Moderate	21:24	21.1	S	0.12	214	19.2	19.2	33.75	33.75	8.10	8.10	105.9	105.9	8.01	8.01	7.95	1.28	1.29	1.37	1.4	1.5	1.6
						0.13	227	19.2		33.75		8.10		105.9		8.01			1.29			1.5		
					M	0.23	178	19.1	19.1	33.77	33.77	8.10	8.10	104.1	104.1	7.89	7.89		1.26	1.27		1.5	1.5	
						0.24	190	19.1		33.77		8.10		104.1		7.88			1.28			1.4		
					B	0.10	199	19.2	19.2	33.99	33.99	8.10	8.10	103.0	103.0	7.77	7.77		1.55	1.55		1.8	1.9	
						0.10	201	19.2		33.99		8.10		103.0		7.77			1.55			1.9		
IM2	Cloudy	Calm	21:04	5.9	S	0.02	40	19.4	19.4	33.89	33.89	8.16	8.17	106.5	106.5	8.03	8.03	8.03	1.58	1.58	1.63	2.3	2.1	2.7
						0.02	40	19.3		33.89		8.17		106.4		8.02			1.58			1.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.02	59	19.2	19.2	33.93	33.93	8.21	8.21	105.5	105.5	7.97	7.97		1.68	1.69		3.0	3.3	
						0.02	64	19.2		33.93		8.21		105.5		7.97			1.69			3.5		
G1	Cloudy	Moderate	21:17	18.1	S	0.28	259	19.3	19.3	33.88	33.88	8.10	8.10	106.0	106.0	7.99	7.99	7.93	1.22	1.23	1.54	1.5	1.4	1.5
						0.31	274	19.3		33.88		8.10		106.0		7.99			1.24			1.2		
					M	0.14	236	19.2	19.2	33.92	33.92	8.10	8.10	104.2	104.2	7.87	7.87		1.33	1.34		1.3	1.5	
						0.15	250	19.2		33.92		8.10		104.1		7.87			1.35			1.6		
					B	0.13	249	19.2	19.2	33.95	33.95	8.10	8.10	103.5	103.5	7.82	7.82		2.06	2.06		1.6	1.8	
						0.13	250	19.2		33.95		8.10		103.5		7.82			2.06			2.0		
G2	Cloudy	Calm	21:08	9.7	S	0.05	259	19.4	19.4	33.89	33.89	8.12	8.12	107.5	107.5	8.10	8.10	8.07	1.42	1.42	1.52	2.1	2.3	2.1
						0.05	283	19.3		33.89		8.12		107.4		8.10			1.41			2.5		
					M	0.01	212	19.1	19.1	33.87	33.87	8.12	8.12	106.2	106.2	8.05	8.05		1.37	1.37		2.1	2.2	
						0.01	231	19.1		33.87		8.12		106.2		8.04			1.37			2.2		
					B	0.04	263	19.2	19.2	33.98	33.98	8.12	8.12	105.4	105.4	7.96	7.96		1.80	1.79		1.8	1.9	
						0.04	273	19.2		33.97		8.12		105.4		7.95			1.77			1.9		

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

19-Feb-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Cloudy	Calm	10:43	23	S	0.04	114	19.0	19.0	33.80	33.80	8.07	8.07	104.2	104.2	7.90	7.90	7.85	1.22	1.22	1.43	1.3	1.4	1.7	
						0.04	124	19.0		33.80		8.07		104.1		7.90			1.21			1.4			
					M	0.18	73	19.1	19.1	33.93	33.93	8.07	8.07	102.9	102.9	7.79	7.79		1.19	1.20		1.21	1.5		
						0.19	77	19.1		33.93		8.06		102.9		7.79			1.21						
					B	0.17	68	19.5	19.5	34.33	34.33	8.03	8.03	101.1	101.2	7.58	7.59		1.89	1.86		1.83	1.8		2.3
						0.18	69	19.5		34.32		8.03		101.3		7.60			1.83						
IM1	Cloudy	Calm	10:55	20.5	S	0.12	192	19.1	19.1	33.91	33.91	8.10	8.10	103.9	103.9	7.86	7.86	7.85	1.25	1.25	1.30	1.0	1.2	1.5	
						0.13	208	19.1		33.91		8.10		103.9		7.86			1.25			1.3			
					M	0.17	298	19.1	19.1	33.92	33.92	8.10	8.10	103.6	103.6	7.85	7.85		1.30	1.30		1.29	1.2		1.3
						0.17	316	19.1		33.92		8.10		103.6		7.84			1.29						
					B	0.14	342	19.0	19.0	33.93	33.93	8.10	8.10	102.8	102.8	7.79	7.79		1.35	1.35		1.35	1.8		2.2
						0.14	314.64	19.0		33.93		8.10		102.8		7.79			1.35						
IM2	Cloudy	Moderate	11:20	5.8	S	0.03	62	19.2	19.2	33.91	33.92	8.09	8.09	102.3	102.4	7.74	7.74	7.74	1.48	1.48	1.52	1.4	1.8	2.0	
						0.03	65	19.2		33.92		8.09		102.4		7.74			1.48			2.1			
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-
						-	-	-		-		-		-		-			-						
					B	0.01	355	19.1	19.1	33.97	33.98	8.09	8.09	101.7	101.7	7.70	7.70		1.57	1.57		1.57	2.6		2.2
						0.01	326.6	19.1		33.99		8.09		101.6		7.69			1.56						
G1	Cloudy	Moderate	11:03	17.6	S	0.12	264	19.2	19.2	33.94	33.94	8.10	8.10	104.2	104.2	7.87	7.87	7.82	1.31	1.31	1.45	1.4	1.5	1.8	
						0.13	284	19.2		33.94		8.10		104.2		7.87			1.31			1.5			
					M	0.03	191	19.2	19.2	34.04	34.04	8.10	8.10	102.9	102.9	7.77	7.77		1.37	1.37		1.37	1.6		1.8
						0.03	201	19.2		34.04		8.10		102.9		7.77			1.37						
					B	0.11	249	19.3	19.3	34.17	34.17	8.09	8.09	102.2	102.3	7.69	7.69		1.67	1.67		1.67	1.7		2.1
						0.11	250	19.3		34.16		8.09		102.3		7.69			1.67						
G2	Cloudy	Moderate	11:14	9	S	0.05	133	19.0	19.0	33.71	33.71	8.10	8.10	102.3	102.3	7.77	7.77	7.75	1.36	1.36	1.44	1.3	1.6	2.0	
						0.05	134	19.0		33.71		8.10		102.3		7.77			1.36			1.9			
					M	0.03	117	19.2	19.2	34.04	34.04	8.10	8.10	102.2	102.2	7.72	7.72		1.42	1.41		1.39	1.3		1.7
						0.03	118	19.2		34.04		8.10		102.2		7.72			1.39						
					B	0.06	107	19.4	19.4	34.19	34.19	8.08	8.08	100.8	100.8	7.58	7.59		1.54	1.55		1.54	2.6		2.6
						0.06	113	19.3		34.19		8.08		100.8		7.59			1.56						

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

22-Feb-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Cloudy	Moderate	20:14	23.6	S	0.12	113	20.3	20.3	33.70	33.71	8.08	8.08	114.1	114.1	8.47	8.47	8.09	1.05	1.05	1.40	10.1	9.8	7.4	
						0.13	113	20.2		33.71		8.08		114.0		8.47			1.04			9.4			
					M	0.07	99	19.2	19.2	34.09	34.11	8.05	8.05	102.2	102.1	7.71	7.70		1.14	1.18		1.21	6.9		6.5
						0.07	102	19.2		34.12		8.05		101.9		7.69			1.14			6.1			
					B	0.07	61	19.2	19.2	34.30	34.30	8.06	8.06	96.5	96.6	7.27	7.28		1.99	1.99		1.98	6.2		6.1
						0.07	65	19.2		34.30		8.06		96.6		7.28			1.98			5.9			
IM1	Cloudy	Moderate	20:06	21.4	S	0.19	149	20.8	20.8	33.00	32.98	8.08	8.08	114.2	113.7	8.43	8.40	8.16	1.19	1.16	1.65	9.2	9.5	7.7	
						0.21	151	20.8		32.95		8.08		113.2		8.37			1.13			9.8			
					M	0.14	124	19.2	19.2	33.94	33.95	8.06	8.06	105.0	105.0	7.92	7.92		1.33	1.43		1.53	7.6		7.9
						0.15	127	19.2		33.95		8.06		104.9		7.92			1.53			8.1			
					B	0.14	131	19.2	19.2	34.16	34.13	8.06	8.06	98.7	99.0	7.45	7.47		2.51	2.35		2.19	5.7		5.9
						0.15	143	19.2		34.09		8.06		99.3		7.49			2.19			6.0			
IM2	Cloudy	Moderate	19:46	5.7	S	0.09	144	20.7	20.7	33.83	33.83	8.17	8.18	110.8	110.8	8.15	8.15	8.15	0.93	0.93	0.98	5.6	5.2	5.0	
						0.09	149	20.7		33.83		8.18		110.7		8.14			0.93			4.8			
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-
						-	-	-		-		-		-		-			-			-			
					B	0.06	150	20.6	20.6	33.82	33.82	8.20	8.20	109.2	109.2	8.05	8.05		1.03	1.04		1.04	4.1		4.8
						0.06	163	20.6		33.82		8.20		109.1		8.04			1.04			5.5			
G1	Cloudy	Moderate	19:58	18.2	S	0.05	142	20.5	20.5	33.51	33.49	8.08	8.08	112.5	112.5	8.32	8.32	8.15	1.10	1.10	1.08	9.3	9.1	6.5	
						0.05	142	20.5		33.46		8.08		112.5		8.31			1.09			8.9			
					M	0.10	126	19.2	19.2	33.97	33.97	8.08	8.08	105.7	105.6	7.98	7.98		0.96	0.97		0.97	6.0		5.5
						0.11	129	19.2		33.97		8.08		105.5		7.97			0.97			5.0			
					B	0.03	177	19.2	19.2	34.07	34.07	8.09	8.09	103.7	103.8	7.83	7.84		1.18	1.18		1.17	4.7		5.0
						0.03	184	19.2		34.06		8.09		103.8		7.84			1.17			5.2			
G2	Cloudy	Moderate	19:51	10	S	0.00	197	20.5	20.5	33.87	33.88	8.08	8.08	111.7	111.6	8.24	8.24	8.18	1.10	1.09	1.61	10.1	10.3	8.3	
						0.00	202	20.5		33.88		8.08		111.5		8.24			1.08			10.4			
					M	0.03	15	19.8	19.8	33.94	33.95	8.09	8.09	108.8	108.7	8.13	8.13		1.30	1.35		1.40	10.0		9.7
						0.03	15	19.8		33.95		8.09		108.5		8.12			1.40			9.4			
					B	0.01	317	19.4	19.4	34.01	34.01	8.11	8.11	106.2	106.2	7.99	7.99		2.39	2.38		2.37	4.3		4.9
						0.01	320	19.4		34.01		8.11		106.1		7.98			2.37			5.4			

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

22-Feb-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Sunny	Moderate	10:07	23	S	0.05	134	19.5	19.5	33.89	33.89	8.10	8.10	107.3	107.3	8.07	8.07	7.75	1.02	1.01	1.39	1.7	1.8	2.4	
						0.05	142	19.5		33.89		8.09		107.3		8.06			0.99			1.8			
					M	0.07	31	19.2	19.2	34.24	34.25	8.07	8.07	98.6	98.5	7.44	7.43		1.32	1.31		1.30	2.0		2.5
						0.08	31	19.2		34.25		8.06		98.3		7.41			3.0						
					B	0.02	19	19.2	19.2	34.51	34.51	8.05	8.05	96.4	96.5	7.25	7.26		1.84	1.85		1.85	2.5		3.0
						0.02	19	19.2		34.51		8.05		96.5		7.26			3.4						
IM1	Sunny	Moderate	10:19	20	S	0.10	158	19.6	19.6	33.70	33.72	8.08	8.08	105.2	105.1	7.90	7.90	7.75	1.08	1.08	1.35	6.2	5.9	4.3	
						0.10	163	19.5		33.73		8.08		104.9		7.89			1.07			5.5			
					M	0.05	135	19.2	19.2	34.17	34.17	8.08	8.08	101.0	100.9	7.61	7.61		1.28	1.27		1.26	3.5		3.7
						0.05	141	19.2		34.17		8.08		100.8		7.60			3.8						
					B	0.08	51	19.2	19.2	34.33	34.33	8.07	8.07	97.7	97.8	7.37	7.38		1.71	1.71		1.71	3.4		3.5
						0.08	54	19.2		34.33		8.07		97.9		7.38			3.6						
IM2	Sunny	Moderate	10:46	5.9	S	0.02	79	19.5	19.5	34.03	34.04	8.09	8.09	103.7	103.6	7.79	7.79	7.79	1.16	1.15	1.15	4.0	3.6	3.8	
						0.02	79	19.4		34.04		8.09		103.5		7.78			1.14			3.2			
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-
						-	-	-		-		-		-		-			-			-			
					B	0.03	125	19.4	19.4	34.07	34.07	8.05	8.05	101.7	101.7	7.66	7.65		1.15	1.15		1.15	3.4		3.9
						0.03	134	19.4		34.07		8.05		101.6		7.64			4.4						
G1	Sunny	Moderate	10:28	17.4	S	0.09	82	19.5	19.5	33.99	34.00	8.09	8.09	106.0	106.0	7.97	7.97	7.85	0.95	0.96	1.22	3.3	3.8	2.9	
						0.10	88	19.4		34.00		8.09		105.9		7.96			0.97			4.3			
					M	0.09	68	19.2	19.2	34.15	34.15	8.09	8.09	102.4	102.4	7.73	7.73		1.14	1.14		1.14	2.8		2.6
						0.09	72	19.2		34.15		8.09		102.3		7.72			1.13			2.3			
					B	0.07	59	19.2	19.2	34.39	34.38	8.08	8.08	99.2	99.4	7.48	7.49		1.60	1.58		1.58	2.7		2.4
						0.07	59	19.2		34.37		8.08		99.5		7.50			2.0						
G2	Sunny	Moderate	10:39	9.3	S	0.13	53	19.5	19.5	34.01	34.01	8.10	8.10	105.8	105.7	7.94	7.93	7.84	1.07	1.07	1.32	4.3	4.7	3.6	
						0.13	56	19.5		34.01		8.10		105.6		7.92			1.07			5.0			
					M	0.08	46	19.4	19.4	34.05	34.05	8.10	8.10	103.0	103.0	7.75	7.74		1.40	1.41		1.41	3.5		3.3
						0.08	50	19.4		34.05		8.10		102.9		7.73			1.41			3.0			
					B	0.03	44	19.4	19.4	34.09	34.09	8.10	8.10	101.6	101.6	7.64	7.64		1.47	1.48		1.48	2.6		2.8
						0.03	45	19.4		34.09		8.10		101.6		7.64			3.0						

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

24-Feb-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Fine	Rough	21:23	23.5	S	0.04	38	19.8	19.8	34.24	34.24	8.08	8.08	103.1	103.1	7.69	7.69	7.68	1.33	1.34	1.33	4.4	4.4	4.2	
						0.04	39	19.8		34.24		8.08		103.1		7.69			1.34			4.4			
					M	0.11	51	19.8	19.8	34.24	34.24	8.07	8.07	102.7	102.7	7.66	7.66		1.25	1.27		1.28	4.2		4.3
						0.11	53	19.8		34.24		8.07		102.7		7.66			1.28			4.4			
					B	0.15	114	19.7	19.7	34.32	34.32	8.07	8.07	101.0	101.0	7.54	7.54		1.38	1.39		1.39	3.8		4.0
						0.16	120	19.7		34.31		8.07		101.0		7.54			1.39			4.2			
IM1	Fine	Rough	21:13	21.1	S	0.14	260	19.7	19.7	34.21	34.21	8.08	8.08	104.6	104.6	7.82	7.82	7.57	1.22	1.21	1.64	6.2	5.9	4.4	
						0.15	275	19.7		34.21		8.08		104.6		7.82			1.19			5.6			
					M	0.07	253	19.6	19.6	34.36	34.37	8.05	8.05	98.1	98.0	7.33	7.32		1.55	1.57		1.58	3.9		3.9
						0.07	277	19.6		34.38		8.05		97.8		7.31			3.8						
					B	0.08	59	19.7	19.7	34.63	34.63	8.04	8.04	95.7	95.8	7.14	7.14		2.15	2.16		2.16	3.4		3.4
						0.09	64	19.7		34.63		8.04		95.8		7.14			2.16			3.3			
IM2	Cloudy	Moderate	20:57	5.6	S	0.05	113	19.7	19.7	34.55	34.55	7.99	7.99	98.5	98.5	7.34	7.34	7.34	1.69	1.70	2.66	5.1	5.4	5.0	
						0.05	123	19.7		34.55		7.99		98.4		7.34			1.70			5.6			
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-
						-	-	-		-		-		-		-			-			-	-		
					B	0.03	224	19.7	19.7	34.53	34.53	7.98	7.98	98.5	98.6	7.35	7.35		3.47	3.63		3.63	4.6		4.6
						0.03	229	19.7		34.53		7.98		98.6		7.35			3.78			4.6			
G1	Cloudy	Rough	21:08	18.1	S	0.10	195	19.7	19.7	34.35	34.35	8.06	8.06	101.6	101.5	7.58	7.58	7.48	1.32	1.33	2.07	5.3	5.1	4.1	
						0.10	197	19.7		34.35		8.06		101.4		7.57			1.33			4.9			
					M	0.12	190	19.7	19.7	34.41	34.42	8.05	8.05	99.0	98.9	7.39	7.38		1.54	1.56		1.58	4.3		4.2
						0.13	195	19.7		34.42		8.05		98.7		7.37			1.58			4.1			
					B	0.07	205	19.7	19.7	34.58	34.58	8.03	8.03	95.5	95.5	7.13	7.13		3.36	3.34		3.34	2.9		2.9
						0.07	205	19.7		34.58		8.03		95.5		7.13			3.31			2.9			
G2	Cloudy	Moderate	21:00	8.9	S	0.10	15	19.7	19.7	34.40	34.41	8.05	8.05	100.5	100.4	7.51	7.50	7.47	1.42	1.43	1.48	3.4	3.5	3.3	
						0.10	15	19.7		34.41		8.05		100.3		7.49			1.43			3.5			
					M	0.04	269	19.7	19.7	34.49	34.49	8.04	8.04	99.5	99.5	7.43	7.43		1.50	1.50		1.50	3.1		3.3
						0.04	274	19.7		34.49		8.04		99.5		7.43			1.50			3.4			
					B	0.07	188	19.7	19.7	34.49	34.49	8.04	8.04	99.4	99.4	7.42	7.42		1.50	1.50		1.50	3.1		3.2
						0.08	192	19.7		34.49		8.04		99.3		7.42			1.50			3.2			

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

24-Feb-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Cloudy	Rough	11:18	23.4	S	0.52	204	19.7	19.7	34.33	34.33	8.05	8.05	102.0	102.0	7.62	7.62	7.59	1.46	1.46	1.74	5.6	5.3	4.2	
						0.55	212	19.7		34.33		8.05		102.0		7.62			1.46			4.9			
					M	0.30	159	19.5	19.5	34.39	34.39	8.05	8.05	101.0	101.0	7.56	7.56		1.93	1.94		1.94	3.7		4.0
						0.31	174	19.5		34.39		8.05		101.0		7.56			1.94			4.2			
					B	0.18	131	19.5	19.5	34.39	34.39	8.05	8.05	101.0	101.0	7.56	7.56		1.82	1.83		1.84	3.3		3.3
						0.20	136	19.5		34.39		8.05		101.0		7.56			1.84			3.2			
IM1	Cloudy	Rough	11:33	19.4	S	0.29	165	19.5	19.5	34.22	34.22	8.04	8.04	102.5	102.5	7.68	7.68	7.66	1.31	1.31	1.54	4.3	4.2	3.3	
						0.29	169	19.5		34.22		8.04		102.5		7.68			1.31			4.0			
					M	0.30	149	19.5	19.5	34.23	34.23	8.04	8.04	101.9	101.9	7.63	7.63		1.27	1.28		1.29	3.0		3.1
						0.30	153	19.5		34.23		8.04		101.8		7.63			1.29			3.2			
					B	0.31	147	19.5	19.5	34.27	34.27	8.03	8.03	100.7	100.7	7.55	7.55		2.02	2.04		2.06	2.4		2.5
						0.31	159	19.5		34.27		8.03		100.7		7.55			2.06			2.6			
IM2	Cloudy	Rough	11:57	5.6	S	0.08	54	19.7	19.7	34.66	34.67	8.01	8.01	95.6	95.6	7.13	7.13	7.13	2.13	2.16	2.25	3.7	3.9	3.4	
						0.08	58	19.7		34.68		8.01		95.6		7.12			2.18			4.0			
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-
						-	-	-		-		-		-		-			-			-	-		
					B	0.01	210	19.7	19.7	34.74	34.74	8.01	8.01	95.5	95.5	7.11	7.11		2.34	2.35		2.35	2.8		3.0
						0.01	218	19.7		34.74		8.01		95.5		7.11			2.35			3.1			
G1	Cloudy	Rough	11:41	17.1	S	0.39	216	19.5	19.5	34.44	34.44	8.04	8.04	99.4	99.4	7.44	7.44	7.35	1.61	1.62	2.08	4.4	4.3	3.5	
						0.39	216	19.5		34.44		8.04		99.3		7.44			1.62			4.2			
					M	0.08	224	19.5	19.5	34.53	34.54	8.04	8.04	97.1	97.0	7.26	7.25		1.82	1.84		1.86	3.5		3.3
						0.08	245	19.5		34.54		8.04		96.8		7.24			1.86			3.1			
					B	0.03	52	19.6	19.6	34.66	34.66	8.03	8.03	96.1	96.3	7.18	7.19		2.82	2.79		2.76	2.9		2.8
						0.03	54	19.6		34.65		8.03		96.4		7.20			2.76			2.7			
G2	Cloudy	Rough	11:51	8.9	S	0.10	211	19.6	19.6	34.64	34.65	8.01	8.01	95.9	95.9	7.15	7.15	7.13	2.00	2.01	2.41	2.4	2.5	3.0	
						0.11	221	19.6		34.65		8.01		95.8		7.15			2.02			2.5			
					M	0.03	271	19.7	19.7	34.72	34.72	8.00	8.00	95.3	95.3	7.11	7.11		2.37	2.40		2.42	2.8		3.0
						0.03	276	19.7		34.72		8.00		95.3		7.10			2.42			3.1			
					B	0.07	7	19.7	19.7	34.75	34.75	8.00	8.00	95.5	95.6	7.11	7.12		2.81	2.82		2.82	3.6		3.7
						0.07	7	19.7		34.75		8.00		95.6		7.12			2.82			3.8			

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

26-Feb-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Cloudy	Moderate	22:51	22.9	S	0.19	166	20.1	20.1	34.10	34.11	8.07	8.07	99.2	99.2	7.36	7.36	7.30	1.22	1.22	1.42	1.7	1.4	1.5	
						0.20	169	20.1		34.11		8.07		99.2		7.36			1.21			1.0			
					M	0.09	168	20.2	20.2	34.46	34.47	8.07	8.07	97.9	97.8	7.24	7.23		1.25	1.27		1.29	1.3		1.5
						0.09	175	20.2		34.47		8.07		97.7		7.22			1.6						
					B	0.09	13	20.2	20.2	34.56	34.56	8.09	8.09	97.4	97.5	7.19	7.20		1.77	1.76		1.75	1.2		1.6
						0.09	14	20.2		34.56		8.09		97.5		7.20			2.0						
IM1	Rainy	Moderate	22:42	20.6	S	0.09	347	20.1	20.1	33.92	33.93	8.07	8.07	98.8	98.8	7.33	7.33	7.27	1.16	1.16	1.46	0.8	1.0	1.5	
						0.10	319.24	20.1		33.93		8.07		98.7		7.33			1.16			1.2			
					M	0.06	318	20.2	20.2	34.51	34.51	8.08	8.08	97.5	97.5	7.21	7.21		1.30	1.31		1.31	1.4		1.7
						0.07	348	20.2		34.51		8.08		97.4		7.20			1.9						
					B	0.19	305	20.3	20.3	34.61	34.61	8.10	8.10	96.7	96.7	7.13	7.13		1.92	1.91		1.89	1.4		1.8
						0.20	313	20.3		34.61		8.10		96.7		7.13			2.1						
IM2	Rainy	Moderate	22:24	5.6	S	0.06	87	20.1	20.1	34.19	34.20	8.04	8.04	97.8	97.7	7.26	7.25	7.25	1.20	1.24	1.71	3.1	2.6	2.6	
						0.06	94	20.1		34.21		8.04		97.5		7.24			2.1						
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-
						-	-	-		-		-		-		-			-						
					B	0.02	121	20.3	20.3	34.56	34.56	8.02	8.02	97.3	97.3	7.17	7.17		2.16	2.18		2.19	2.2		2.6
						0.02	127	20.3		34.56		8.02		97.3		7.17			2.9						
G1	Rainy	Moderate	22:37	17.8	S	0.24	249	20.3	20.3	34.32	34.32	8.07	8.07	99.2	99.2	7.33	7.33	7.26	1.21	1.21	1.60	2.3	1.8	1.3	
						0.24	252	20.3		34.32		8.07		99.2		7.33			1.21			1.2			
					M	0.18	261	20.3	20.3	34.58	34.58	8.07	8.07	97.4	97.4	7.18	7.18		1.69	1.70		1.70	1.2		1.0
						0.18	284	20.3		34.58		8.07		97.4		7.18			0.8						
					B	0.21	245	20.3	20.3	34.63	34.63	8.08	8.08	96.9	96.9	7.14	7.15		1.88	1.88		1.88	1.0		1.2
						0.22	250	20.3		34.63		8.08		96.9		7.15			1.4						
G2	Rainy	Moderate	22:29	9.8	S	0.04	176	20.1	20.1	34.32	34.33	8.08	8.08	96.8	96.7	7.17	7.17	7.16	1.53	1.56	2.06	2.0	1.9	1.9	
						0.04	182	20.1		34.34		8.08		96.6		7.16			1.8						
					M	0.03	308	20.1	20.1	34.41	34.42	8.08	8.09	96.6	96.6	7.15	7.15		1.85	1.87		1.88	2.1		1.9
						0.03	325	20.1		34.42		8.09		96.6		7.15			1.6						
					B	0.07	309	20.3	20.3	34.63	34.63	8.09	8.09	96.8	96.8	7.13	7.13		2.80	2.75		2.70	2.1		1.8
						0.08	312	20.3		34.63		8.09		96.8		7.13			1.5						

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

26-Feb-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Cloudy	Moderate	15:17	23.2	S	0.22	65	20.3	20.3	33.79	33.79	8.06	8.06	103.9	103.9	7.70	7.70	7.49	1.17	1.18	1.50	3.9	3.6	2.6
						0.23	69	20.3		33.79		8.06		103.8		7.70			1.18			3.2		
					M	0.16	41	20.1	20.2	34.28	34.28	8.06	8.06	98.2	98.2	7.27	7.27		1.10	1.10		1.10	2.2	
						0.17	45	20.2		34.27		8.06		98.2		7.27			1.10					
					B	0.14	96	20.3	20.3	34.48	34.48	8.07	8.07	96.5	96.5	7.12	7.12		2.23	2.21		1.6	2.0	
						0.15	105	20.3		34.48		8.07		96.5		7.12			2.19			2.3		
IM1	Cloudy	Moderate	15:26	20	S	0.29	166	20.2	20.2	34.24	34.24	8.04	8.04	98.9	98.9	7.32	7.32	7.27	1.37	1.38	1.50	2.0	1.9	2.0
						0.32	182	20.2		34.24		8.04		98.9		7.32			1.38			1.7		
					M	0.18	147	19.9	19.9	34.18	34.18	8.05	8.05	96.8	96.8	7.21	7.21		1.40	1.40		1.5	1.8	
						0.19	154	19.9		34.18		8.05		96.8		7.21			1.39			2.0		
					B	0.17	154	20.3	20.3	34.48	34.48	8.07	8.07	96.8	96.8	7.14	7.14		1.73	1.74		2.7	2.3	
						0.17	156	20.3		34.48		8.07		96.8		7.14			1.75			1.9		
IM2	Cloudy	Calm	15:50	5.5	S	0.05	157	20.3	20.3	34.45	34.45	8.06	8.06	98.8	98.8	7.28	7.28	7.28	1.42	1.43	1.96	2.0	1.6	1.9
						0.05	163	20.3		34.45		8.06		98.7		7.28			1.43			1.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.04	27	20.4	20.4	34.58	34.58	8.08	8.08	97.4	97.4	7.16	7.16		2.50	2.50		2.2	2.3	
						0.04	29	20.4		34.58		8.08		97.3		7.16			2.49			2.3		
G1	Cloudy	Moderate	15:34	17.2	S	0.10	61	20.3	20.3	34.30	34.30	8.06	8.06	99.4	99.4	7.34	7.34	7.28	1.23	1.23	1.55	1.3	1.1	1.8
						0.11	63	20.3		34.30		8.06		99.3		7.34			1.23			0.9		
					M	0.02	31	20.3	20.3	34.50	34.50	8.06	8.07	97.9	97.9	7.23	7.23		1.39	1.40		1.0	1.6	
						0.02	32	20.3		34.50		8.07		97.8		7.22			1.41			2.1		
					B	0.07	47	20.3	20.3	34.57	34.57	8.08	8.08	96.5	96.6	7.12	7.13		2.04	2.03		2.2	2.6	
						0.07	50	20.3		34.57		8.08		96.6		7.13			2.02			3.0		
G2	Cloudy	Moderate	15:44	9.2	S	0.17	256	20.3	20.3	34.14	34.14	8.06	8.06	100.0	100.0	7.39	7.39	7.30	1.18	1.18	1.90	2.1	1.6	2.0
						0.18	279	20.3		34.14		8.06		99.9		7.38			1.17			1.1		
					M	0.05	311	20.3	20.3	34.54	34.54	8.07	8.07	98.0	98.0	7.22	7.22		1.51	1.53		2.3	1.9	
						0.05	316	20.3		34.54		8.07		97.9		7.22			1.55			1.4		
					B	0.06	349	20.4	20.4	34.56	34.56	8.08	8.09	96.8	96.8	7.13	7.13		3.03	3.01		2.2	2.6	
						0.06	352	20.4		34.56		8.09		96.7		7.12			2.98			3.0		

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

1-Mar-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Fine	Moderate	11:49	23.9	S	0.17	223	20.1	20.1	34.18	34.18	8.07	8.08	98.2	98.2	7.28	7.28	7.28	1.20	1.19	2.90	1.0	1.3	2.2
						0.18	233	20.1		34.18		8.08		98.2		7.28			1.18					
					M	0.13	51	19.9	19.9	34.21	34.21	8.13	8.13	97.7	97.7	7.28	7.28		1.94	2.10		2.9	2.3	
						0.14	53	19.9		34.21		8.13		97.7		7.28			2.25					
					B	0.09	65	19.9	19.9	34.20	34.20	8.20	8.21	97.5	97.5	7.27	7.27		5.20	5.42		2.8	3.0	
						0.09	66	19.9		34.20		8.21		97.5		7.27			5.63					
IM1	Fine	Moderate	12:00	20.5	S	0.29	173	20.3	20.3	34.18	34.18	8.03	8.03	96.3	96.4	7.12	7.13	7.17	1.70	1.71	1.74	2.9	2.8	2.5
						0.30	177	20.3		34.18		8.03		96.4		7.13			1.71					
					M	0.30	144	20.0	20.0	34.24	34.24	8.06	8.06	97.1	97.1	7.21	7.21		1.68	1.67		2.9	2.6	
						0.32	144	20.0		34.24		8.06		97.1		7.21			1.66					
					B	0.27	136	20.0	20.0	34.25	34.25	8.06	8.06	96.9	96.9	7.20	7.20		1.85	1.84		2.1	2.1	
						0.27	140	20.0		34.25		8.06		96.9		7.20			1.83					
IM2	Fine	Moderate	12:24	5.8	S	0.05	98	20.3	20.3	34.25	34.25	8.05	8.05	96.4	96.4	7.12	7.12	7.12	1.59	1.60	1.58	1.7	1.9	1.2
						0.05	99	20.3		34.25		8.05		96.4		7.12			1.60					
					M				-		-		-		-		-			-			-	
					B	0.00	136	20.2	20.2	34.26	34.26	8.05	8.05	96.2	96.2	7.12	7.12		1.55	1.56		2.1	1.8	
						0.00	139	20.2		34.26		8.05		96.2		7.12			1.56					
G1	Fine	Moderate	12:09	17.7	S	0.13	208	20.2	20.2	34.23	34.23	8.04	8.04	97.2	97.3	7.19	7.20	7.20	1.62	1.62	2.12	3.8	3.4	2.9
						0.14	209	20.2		34.23		8.04		97.3		7.20			1.61					
					M	0.08	98	20.0	20.0	34.24	34.24	8.05	8.05	97.0	97.0	7.20	7.20		1.69	1.72		3.4	2.8	
						0.08	100	20.0		34.24		8.05		97.0		7.20			1.75					
					B	0.17	79	20.0	20.0	34.24	34.24	8.05	8.05	96.8	96.8	7.19	7.19		2.98	3.03		2.4	2.6	
						0.18	85	20.0		34.24		8.05		96.8		7.19			3.07					
G2	Fine	Moderate	12:17	9.6	S	0.09	254	20.3	20.3	34.24	34.24	8.05	8.05	97.8	97.8	7.23	7.23	7.23	1.54	1.57	1.91	2.1	2.8	2.4
						0.09	272	20.3		34.24		8.05		97.8		7.23			1.59					
					M	0.04	348	20.0	20.0	34.24	34.24	8.06	8.06	97.4	97.4	7.23	7.23		1.93	1.92		3.0	2.7	
						0.04	320.16	20.0		34.24		8.06		97.3		7.23			1.90					
					B	0.03	314	20.0	20.0	34.24	34.24	8.06	8.06	97.3	97.3	7.23	7.23		2.23	2.24		1.5	1.9	
						0.03	341	20.0		34.24		8.06		97.3		7.23			2.24					

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

1-Mar-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Fine	Moderate	08:13	23.4	S	0.50	303	20.0	20.0	34.35	34.35	8.05	8.05	96.7	96.7	7.18	7.18	7.17	2.44	2.44	4.63	2.5	3.1	3.8			
						0.51	316	20.0		34.35		8.05		96.7		7.18			2.43			3.6					
					M	0.47	322	20.0	20.0	34.34	34.34	8.04	8.04	96.4	96.4	7.15	7.15		3.12	3.10		3.9	4.0				
						0.51	333	20.0		34.34		8.04		96.4		7.15			3.08			4.1					
					B	0.38	324	20.0	20.0	34.33	34.33	8.04	8.04	95.9	95.9	7.12	7.12		8.70	8.36		4.0	4.3				
						0.40	343	20.0		34.33		8.04		95.9		7.12			8.01			4.5					
IM1	Fine	Moderate	08:27	19.7	S	0.08	127	20.0	20.0	34.23	34.23	8.05	8.05	96.7	96.7	7.18	7.18	7.19	1.83	1.85	2.59	2.1	2.2	3.2			
						0.09	138	20.0		34.23		8.05		96.7		7.18			1.86			2.2					
					M	0.12	67	20.0	20.0	34.30	34.31	8.05	8.05	96.9	96.9	7.20	7.20		2.76	2.76		4.2	3.6				
						0.13	69	20.0		34.31		8.05		96.9		7.20			2.76			3.0					
					B	0.09	55	20.0	20.0	34.30	34.30	8.05	8.05	96.8	96.9	7.20	7.20		3.16	3.16		4.2	3.7				
						0.10	57	20.0		34.30		8.05		96.9		7.20			3.16			3.2					
IM2	Fine	Moderate	08:47	5.7	S	0.04	142	20.1	20.1	34.35	34.35	8.05	8.05	94.2	94.2	6.98	6.98	6.98	1.71	1.71	1.75	3.2	3.2	1.7			
						0.04	144	20.1		34.35		8.05		94.2		6.98			1.70			3.1					
					M				-		-		-		-		-			-			-			0.0	0.0
																										0.0	
					B	0.05	182	20.1	20.1	34.35	34.35	8.05	8.05	94.5	94.6	7.00	7.01		1.79	1.80		2.0	2.1				
						0.05	193	20.1		34.35		8.05		94.6		7.01			1.81			2.1					
G1	Fine	Moderate	08:32	17.2	S	0.36	100	20.0	20.0	34.24	34.24	8.06	8.06	96.4	96.4	7.16	7.16	7.18	1.86	1.86	3.55	2.9	2.7	2.9			
						0.40	104	20.0		34.24		8.06		96.4		7.16			1.85			2.5					
					M	0.36	86	20.0	20.0	34.29	34.29	8.06	8.06	96.8	96.8	7.19	7.19		2.41	2.42		2.6	2.9				
						0.37	86	20.0		34.29		8.06		96.8		7.19			2.42			3.2					
					B	0.32	80	20.0	20.0	34.30	34.30	8.05	8.05	96.6	96.6	7.18	7.18		6.25	6.39		2.6	3.1				
						0.34	85	20.0		34.30		8.05		96.6		7.18			6.53			3.5					
G2	Fine	Moderate	08:41	9.3	S	0.10	93	20.1	20.1	34.27	34.27	8.05	8.05	95.7	95.7	7.09	7.09	7.09	1.36	1.37	1.67	1.6	2.0	2.2			
						0.10	99	20.1		34.27		8.05		95.7		7.09			1.37			2.4					
					M	0.08	94	20.1	20.1	34.33	34.33	8.05	8.05	95.6	95.6	7.09	7.09		1.77	1.78		2.6	2.2				
						0.08	97	20.1		34.33		8.05		95.6		7.09			1.79			1.8					
					B	0.07	98	20.1	20.1	34.33	34.33	8.05	8.05	96.1	96.2	7.12	7.13		1.88	1.87		2.0	2.4				
						0.07	101	20.1		34.33		8.04		96.2		7.13			1.86			2.8					

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

3-Mar-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Cloudy	Rough	13:17	23.8	S	0.23	127	19.7	19.7	33.96	33.96	8.08	8.08	97.9	97.9	7.32	7.32	7.30	2.77	2.80	3.19	3.3	3.2	3.6	
						0.25	134	19.7		33.96		8.08		97.8		7.32			2.83			3.1			
					M	0.20	114	19.7	19.7	33.96	33.96	8.07	8.07	97.4	97.4	7.28	7.28	7.30	3.32	3.31	3.19	3.8	3.7		3.6
						0.22	117	19.7		33.96		8.06		97.4		7.28			3.30			3.5			
					B	0.28	121	19.7	19.7	33.97	33.97	8.06	8.06	96.9	96.9	7.25	7.25	7.30	3.42	3.45	3.19	4.6	4.1		3.6
						0.30	123	19.7		33.97		8.06		96.9		7.25			3.47			3.5			
IM1	Cloudy	Rough	13:29	21.7	S	0.41	171	20.0	20.0	34.06	34.06	8.06	8.06	97.0	97.0	7.22	7.22	7.23	1.78	1.76	1.95	1.2	1.4	1.6	
						0.42	174	20.0		34.06		8.06		97.0		7.22			1.73			1.5			
					M	0.34	166	19.9	19.9	34.03	34.03	8.06	8.06	97.1	97.1	7.25	7.25	7.23	2.00	2.01	1.95	1.7	1.6		1.6
						0.37	180	19.9		34.03		8.06		97.1		7.24			2.02			1.5			
					B	0.38	151	19.8	19.8	34.01	34.01	8.05	8.05	96.7	96.7	7.22	7.22	7.23	2.05	2.07	1.95	1.7	1.8		1.6
						0.41	159	19.8		34.01		8.05		96.7		7.21			2.09			1.8			
IM2	Cloudy	Moderate	13:51	5.9	S	0.07	166	19.8	19.8	34.06	34.06	8.04	8.04	96.0	96.0	7.16	7.16	7.16	2.02	2.03	2.20	2.4	2.2	2.2	
						0.07	169	19.8		34.06		8.04		96.0		7.16			2.03			2.0			
					M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.16	-	2.20	-		2.2
						-	-	-		-		-		-		-		-			-				
					B	0.03	160	19.8	19.8	34.04	34.04	8.02	8.02	95.5	95.5	7.13	7.13	7.16	2.37	2.38	2.20	2.1	2.2		2.2
						0.03	162	19.8		34.04		8.02		95.5		7.12			2.39			2.3			
G1	Cloudy	Rough	13:36	18.2	S	0.24	242	19.8	19.8	34.07	34.07	8.06	8.06	96.4	96.4	7.19	7.19	7.19	2.16	2.17	2.47	2.8	2.7	2.8	
						0.26	259	19.8		34.07		8.06		96.4		7.19			2.17			2.6			
					M	0.17	327	19.8	19.8	34.06	34.06	8.05	8.05	96.2	96.3	7.18	7.18	7.19	2.62	2.63	2.47	2.5	3.0		2.8
						0.17	353	19.8		34.05		8.05		96.3		7.18			2.63			3.5			
					B	0.07	310	19.8	19.8	34.04	34.04	8.04	8.04	95.8	95.8	7.15	7.15	7.19	2.59	2.61	2.47	2.7	2.6		2.8
						0.08	327	19.8		34.04		8.04		95.8		7.15			2.62			2.5			
G2	Cloudy	Moderate	13:57	9.8	S	0.04	250	19.8	19.8	34.01	34.01	8.07	8.07	97.9	97.9	7.31	7.31	7.30	2.22	2.22	2.38	2.1	2.3	2.5	
						0.04	268	19.8		34.01		8.07		97.9		7.31			2.22			2.5			
					M	0.07	338	19.8	19.8	34.01	34.01	8.06	8.06	97.5	97.5	7.28	7.28	7.30	2.38	2.39	2.38	2.7	2.6		2.5
						0.07	310.96	19.8		34.00		8.06		97.5		7.28			2.40			2.5			
					B	0.03	17	19.8	19.8	33.98	33.98	8.04	8.04	96.5	96.5	7.21	7.21	7.30	2.53	2.54	2.38	2.2	2.5		2.5
						0.03	17	19.8		33.98		8.04		96.4		7.20			2.54			2.7			

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

3-Mar-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Cloudy	Rough	09:45	23.6	S	0.60	299	19.8	19.8	33.98	33.98	8.06	8.06	98.5	98.5	7.36	7.36	7.34	3.02	3.04	5.10	4.7	4.8	5.0
						0.61	301	19.8		33.98		8.06		98.5		7.36			3.05			4.8		
					M	0.47	323	19.8	19.8	33.99	33.99	8.06	8.06	98.0	98.0	7.32	7.32		4.75	4.77		4.9	5.1	
						0.48	331	19.8		33.99		8.06		98.0		7.32			4.79					
					B	0.32	339	19.8	19.8	34.00	34.00	8.05	8.05	97.6	97.6	7.29	7.29		7.53	7.48		4.8	5.3	
						0.34	346	19.8		34.00		8.05		97.6		7.29			7.43			5.7		
IM1	Cloudy	Rough	09:59	19.4	S	0.17	159	19.9	19.9	34.04	34.04	8.04	8.04	96.8	96.8	7.22	7.25	1.75	1.74	2.75	2.5	2.2	2.3	
						0.18	169	19.9		34.04		8.04		96.8		7.22		1.73			1.8			
					M	0.17	109	19.8	19.8	34.01	34.01	8.03	8.03	97.6	97.6	7.28		7.28	3.61		3.59	2.6		2.4
						0.18	119	19.8		34.01		8.03		97.6		7.28			3.56			2.1		
					B	0.18	127	19.7	19.7	33.98	33.98	7.99	7.99	97.2	97.2	7.27		7.27	2.92		2.91	2.6		2.4
						0.19	138	19.7		33.98		7.99		97.2		7.27			2.90			2.1		
IM2	Cloudy	Moderate	10:25	5.8	S	0.04	227	19.8	19.8	34.07	34.07	8.03	8.03	94.9	94.9	7.07	7.08	2.20	2.21	2.19	2.7	2.8	2.7	
						0.04	238	19.8		34.07		8.03		94.9		7.08		2.21			2.8			
					M	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-
						-	-	-		-		-		-		-			-			-		
					B	0.01	50	19.8	19.8	34.03	34.03	8.01	8.01	95.5	95.5	7.13		7.13	2.19		2.18	2.4		2.7
						0.01	53	19.8		34.03		8.01		95.5		7.13			2.16			2.9		
G1	Cloudy	Rough	10:07	17.5	S	0.26	115	19.8	19.8	34.01	34.01	8.06	8.06	97.5	97.5	7.28	7.28	2.28	2.29	2.87	5.0	4.7	3.6	
						0.27	121	19.8		34.01		8.06		97.5		7.28		2.29			4.4			
					M	0.43	90	19.8	19.8	34.00	34.00	8.05	8.05	97.4	97.4	7.27		7.27	2.71		2.74	2.7		3.0
						0.45	91	19.8		34.00		8.05		97.4		7.27			2.77			3.2		
					B	0.31	82	19.8	19.8	33.98	33.98	8.03	8.03	96.9	96.9	7.24		7.24	3.66		3.57	2.7		3.2
						0.33	82	19.8		33.98		8.02		96.8		7.24			3.48			3.7		
G2	Cloudy	Moderate	10:18	9.8	S	0.02	181	19.9	19.9	34.07	34.07	8.05	8.05	96.7	96.7	7.21	7.21	1.97	1.99	2.13	2.4	2.4	2.3	
						0.02	185	19.9		34.07		8.05		96.7		7.21		2.00			2.4			
					M	0.02	310	19.9	19.9	34.06	34.06	8.04	8.04	96.6	96.6	7.20		7.20	2.12		2.12	2.4		2.3
						0.02	324	19.9		34.06		8.04		96.6		7.20			2.11			2.2		
					B	0.07	14	19.9	19.9	34.03	34.03	8.01	8.01	96.1	96.1	7.17		7.17	2.29		2.29	2.4		2.1
						0.07	15	19.9		34.03		8.01		96.1		7.17			2.29			1.8		

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

5-Mar-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Misty	Rough	15:18	23.7	S	0.30	234	19.6	19.6	33.92	33.92	8.04	8.04	95.7	95.7	7.18	7.18	7.11	1.46	1.46	1.83	1.0	1.1	1.3	
						0.30	251	19.6		33.92		8.04		95.7		7.17			1.46			1.1			
					M	0.12	141	19.5	19.5	33.95	33.95	8.04	8.04	93.8	93.8	7.04	7.04		2.05	2.05		2.05	1.2		1.2
						0.13	151	19.5		33.95		8.04		93.8		7.04			1.2						
					B	0.19	128	19.5	19.5	33.94	33.94	8.06	8.06	92.4	92.4	6.94	6.94		1.96	1.97		1.96	1.6		1.6
						0.20	137	19.5		33.94		8.06		92.3		6.93			1.98			1.5			
IM1	Misty	Rough	15:30	20.8	S	0.22	170	19.7	19.7	33.98	33.98	8.05	8.05	95.0	95.0	7.11	7.11	7.09	1.55	1.55	1.57	1.2	1.2	1.5	
						0.24	175	19.7		33.98		8.05		94.9		7.11			1.55			1.2			
					M	0.23	154	19.6	19.6	33.96	33.96	8.05	8.05	94.4	94.4	7.07	7.07		1.48	1.48		1.48	1.5		1.6
						0.23	169	19.6		33.96		8.05		94.4		7.07			1.6			1.6			
					B	0.19	139	19.6	19.6	33.97	33.97	8.06	8.06	93.2	93.2	6.98	6.98		1.66	1.67		1.66	1.6		1.8
						0.19	142	19.6		33.97		8.06		93.2		6.98			1.68			1.9			
IM2	Misty	Calm	15:54	5.6	S	0.05	106	19.6	19.6	33.97	33.97	8.07	8.07	93.4	93.4	6.99	6.99	6.99	1.54	1.55	1.73	1.6	1.8	1.6	
						0.05	109	19.6		33.97		8.07		93.3		6.99			1.55			1.9			
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-
						-	-	-		-		-		-		-			-			-			
					B	0.06	72	19.6	19.6	33.99	33.99	8.08	8.08	91.9	91.9	6.89	6.89		1.90	1.92		1.90	1.3		1.5
						0.06	79	19.6		33.99		8.08		91.8		6.88			1.94			1.6			
G1	Misty	Moderate	15:38	17.5	S	0.22	247	19.6	19.6	33.93	33.93	8.07	8.07	95.5	95.5	7.16	7.16	7.12	1.42	1.42	1.50	1.2	1.2	1.2	
						0.22	257	19.6		33.93		8.07		95.5		7.16			1.42			1.2			
					M	0.04	226	19.6	19.6	33.95	33.95	8.07	8.07	94.4	94.4	7.07	7.07		1.47	1.48		1.47	1.1		1.2
						0.04	229	19.6		33.95		8.07		94.3		7.07			1.48			1.2			
					B	0.02	48	19.6	19.6	33.96	33.96	8.08	8.08	93.3	93.3	6.99	6.99		1.60	1.61		1.60	1.1		1.1
						0.02	51	19.6		33.96		8.08		93.3		6.99			1.62			1.1			
G2	Misty	Moderate	15:47	9.7	S	0.06	355	19.6	19.6	33.96	33.96	8.09	8.09	94.3	94.3	7.07	7.07	7.00	1.43	1.43	1.76	0.8	0.9	1.2	
						0.07	326.6	19.6		33.96		8.09		94.3		7.06			1.42			0.9			
					M	0.07	8	19.6	19.6	33.96	33.96	8.09	8.10	92.5	92.5	6.93	6.93		1.53	1.55		1.53	1.3		1.3
						0.07	8	19.6		33.96		8.10		92.4		6.92			1.57			1.3			
					B	0.06	26	19.6	19.6	33.99	33.99	8.12	8.12	89.5	89.4	6.71	6.70		2.30	2.31		2.30	1.6		1.5
						0.06	26	19.6		33.99		8.12		89.3		6.69			2.31			1.4			

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

5-Mar-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Misty	Moderate	10:35	23.6	S	0.49	282	19.5	19.5	33.97	33.97	8.05	8.05	96.6	96.6	7.25	7.25	7.23	1.31	1.32	1.59	2.4	2.3	1.9
						0.50	301	19.5		33.97		8.05		96.6		7.25			1.32			2.1		
					M	0.42	314	19.5	33.97	8.05	95.9	7.20	1.48	1.49	1.7	1.8								
						0.46	323	19.5	33.97	8.05	95.9	7.20	1.49		1.9									
					B	0.34	323	19.5	33.98	8.05	95.2	7.15	2.01	1.98	1.7	1.7								
						0.36	330	19.5	33.98	8.05	95.2	7.15	1.94		1.7									
IM1	Misty	Moderate	10:46	20.7	S	0.47	299	19.6	19.6	33.98	33.98	8.06	8.06	95.4	95.4	7.16	7.16	7.12	1.36	1.36	1.44	0.9	0.9	1.0
						0.50	312	19.6		33.98		8.06		95.4		7.16			1.36			0.8		
					M	0.48	310	19.6	33.98	8.07	94.4	7.08	1.40	1.40	0.9	0.9								
						0.51	314	19.6	33.98	8.07	94.4	7.08	1.39		0.8									
					B	0.43	308	19.6	33.99	8.10	92.6	6.94	1.56	1.57	1.3	1.3								
						0.43	333	19.6	33.99	8.10	92.6	6.94	1.58		1.2									
IM2	Misty	Calm	11:07	5.7	S	0.05	53	19.6	19.6	33.98	33.98	8.09	8.09	91.9	91.8	6.89	6.89	6.89	1.72	1.73	1.78	1.2	1.2	1.4
						0.05	54	19.6		33.98		8.09		91.7		6.88			1.74			1.1		
					M	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-									
					B	0.02	85	19.6	34.00	8.12	88.0	6.60	1.85	1.84	1.5	1.6								
						0.02	88	19.6	34.00	8.12	87.9	6.59	1.82		1.7									
G1	Misty	Moderate	10:52	17.8	S	0.13	288	19.6	19.6	33.96	33.96	8.07	8.07	94.9	94.9	7.12	7.12	7.07	1.38	1.38	1.56	1.1	1.1	1.1
						0.13	288	19.6		33.96		8.07		94.9		7.12			1.37			1.0		
					M	0.13	300	19.6	33.99	8.08	93.6	7.02	1.66	1.66	1.0	1.1								
						0.13	322	19.6	33.99	8.08	93.6	7.02	1.65		1.1									
					B	0.08	264	19.6	33.99	8.12	90.4	6.78	1.65	1.66	1.4	1.3								
						0.09	271	19.6	33.99	8.12	90.2	6.76	1.66		1.2									
G2	Misty	Moderate	11:02	9.8	S	0.01	239	19.6	19.6	34.00	34.00	8.06	8.06	93.8	93.8	7.03	7.03	6.96	1.48	1.48	1.57	2.1	2.1	1.8
						0.01	251	19.6		34.00		8.06		93.8		7.03			1.48			2.0		
					M	0.01	17	19.6	34.00	8.07	92.0	6.90	1.52	1.54	1.7	1.7								
						0.01	17	19.6	34.00	8.07	91.9	6.88	1.55		1.6									
					B	0.03	78	19.6	34.01	8.10	89.5	6.71	1.69	1.69	1.6	1.6								
						0.03	81	19.6	34.01	8.10	89.3	6.69	1.68		1.6									

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

8-Mar-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Cloudy	Rough	20:12	23.6	S	0.30	134	19.8	19.8	34.25	34.25	8.06	8.06	95.8	95.8	7.15	7.15	7.12	1.41	1.42	1.54	3.8	3.7	3.4
						0.30	151	19.8		34.25		8.06		95.8		7.15			1.42			3.6		
					M	0.42	144	19.7	19.7	34.31	34.31	8.08	8.08	95.0	95.0	7.09	7.09	1.30	1.30	1.29	3.5	3.5		
						0.43	152	19.7		34.31		8.08		95.0		7.09		3.4						
					B	0.28	139	19.8	19.8	34.47	34.47	8.14	8.15	93.1	93.1	6.93	6.93	1.91	1.92	1.92	3.2	3.0		
						0.33	138	19.8		34.47		8.15		93.1		6.93		2.8						
IM1	Cloudy	Rough	20:04	19.8	S	0.19	153	19.8	19.8	34.22	34.22	8.06	8.06	95.5	95.5	7.12	7.12	7.09	1.44	1.45	1.96	1.6	2.1	2.7
						0.17	150	19.8		34.22		8.06		95.5		7.12			1.45			2.5		
					M	0.26	155	19.7	19.7	34.31	34.31	8.07	8.07	94.5	94.5	7.06	7.06	2.04	2.04	2.04	3.2	2.9		
						0.25	159	19.7		34.31		8.07		94.5		7.06		2.5						
					B	0.32	144	19.8	19.8	34.42	34.42	8.11	8.12	92.6	92.6	6.90	6.90	2.34	2.40	2.45	3.5	3.1		
						0.33	143	19.8		34.42		8.12		92.6		6.90		2.7						
IM2	Cloudy	Moderate	19:49	5.7	S	0.02	117	20.0	20.0	34.36	34.36	8.04	8.04	95.9	95.9	7.12	7.12	7.12	1.82	1.84	2.09	4.3	4.5	4.0
						0.02	119	20.0		34.36		8.04		95.9		7.11			1.86			4.7		
					M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-		-		-		-		-		-		-				
					B	0.03	127	19.9	19.9	34.46	34.46	8.06	8.06	94.1	94.1	7.00	7.00	2.32	2.33	2.34	3.2	3.5		
						0.03	129	19.9		34.46		8.06		94.1		7.00		3.8						
G1	Cloudy	Rough	19:59	18	S	0.13	147	19.8	19.8	34.25	34.25	8.06	8.06	95.1	95.1	7.09	7.09	7.05	1.66	1.66	1.99	2.3	2.8	3.4
						0.14	157	19.8		34.25		8.06		95.1		7.09			1.66			3.3		
					M	0.05	136	19.8	19.8	34.27	34.27	8.07	8.07	93.9	93.9	7.01	7.01	1.68	1.69	1.70	4.0	3.6		
						0.06	139	19.8		34.27		8.07		93.8		7.00		3.2						
					B	0.08	58	19.8	19.8	34.51	34.51	8.08	8.08	92.6	92.6	6.89	6.89	2.60	2.61	2.62	4.3	3.9		
						0.09	61	19.8		34.51		8.08		92.6		6.89		3.5						
G2	Cloudy	Moderate	19:52	9.9	S	0.05	321	19.9	19.9	34.27	34.27	8.04	8.04	94.4	94.4	7.03	7.03	7.02	1.71	1.72	2.08	5.0	5.1	4.5
						0.06	326	19.8		34.27		8.04		94.4		7.03			1.73			5.2		
					M	0.05	354	19.8	19.8	34.39	34.39	8.05	8.05	94.0	94.0	7.01	7.01	1.75	1.77	1.78	4.6	4.5		
						0.05	352	19.8		34.39		8.05		93.9		7.00		4.4						
					B	0.06	11	19.8	19.8	34.47	34.47	8.07	8.07	93.2	93.2	6.94	6.94	2.77	2.77	2.77	3.2	3.8		
						0.06	13	19.8		34.47		8.07		93.2		6.94		4.4						

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

8-Mar-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Cloudy	Rough	09:51	23.4	S	0.32	213	19.6	19.6	34.36	34.36	8.03	8.03	95.5	95.5	7.14	7.14	7.10	1.23	1.23	4.71	1.5	1.9	2.3
						0.33	228	19.6		34.36		8.03		95.5		7.14			1.23					
					M	0.10	170	19.7	19.7	34.47	34.48	8.02	8.02	94.5	94.5	7.05	7.05	1.46	1.47	1.48	2.1	2.3		
						0.11	171	19.7		34.48		8.02		94.5		7.05		2.4						
					B	0.08	186	19.8	19.8	34.54	34.54	8.01	8.01	93.9	93.9	6.99	6.99	11.41	11.42	2.9	2.8			
						0.09	197	19.8		34.54		8.01		93.9		6.99		11.43		2.6				
IM1	Cloudy	Rough	10:02	19.6	S	0.19	191	19.6	19.6	34.27	34.27	8.05	8.05	93.8	93.8	7.02	7.02	7.02	1.53	1.54	1.59	2.6	2.6	2.8
						0.21	202	19.6		34.27		8.05		93.8		7.02			1.54					
					M	0.16	138	19.7	19.7	34.35	34.35	8.06	8.06	93.9	93.9	7.01	7.01	1.60	1.61	1.62	2.0	2.6		
						0.16	140	19.7		34.35		8.06		93.8		7.01		3.2						
					B	0.17	143	19.7	19.7	34.38	34.38	8.07	8.08	93.0	93.0	6.94	6.94	1.61	1.62	3.3	3.2			
						0.18	145	19.7		34.38		8.08		92.9		6.94		1.63		3.0				
IM2	Cloudy	Moderate	10:26	5.5	S	0.02	133	19.6	19.6	34.27	34.27	8.05	8.05	91.9	92.0	6.88	6.89	6.89	2.17	2.17	2.55	3.4	3.4	4.1
						0.02	136	19.6		34.27		8.05		92.0		6.89			2.17					
					M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-		-		-		-		-		-						
					B	0.03	108	19.7	19.7	34.42	34.42	8.08	8.08	92.7	92.7	6.92	6.92	2.92	2.93	4.4	4.9			
						0.03	112	19.7		34.42		8.08		92.6		6.91		2.93		5.3				
G1	Cloudy	Rough	10:09	17.7	S	0.16	253	19.7	19.7	34.42	34.42	8.06	8.06	94.3	94.3	7.04	7.04	7.02	1.68	1.68	1.76	3.6	3.4	2.9
						0.16	262	19.7		34.42		8.06		94.3		7.04			1.68					
					M	0.01	153	19.7	19.7	34.43	34.43	8.06	8.06	93.8	93.8	7.00	7.00	1.75	1.75	2.1	2.5			
						0.01	153	19.7		34.43		8.06		93.8		7.00		2.9						
					B	0.15	30	19.8	19.8	34.50	34.50	8.08	8.08	93.0	93.0	6.93	6.93	1.85	1.85	2.7	2.7			
						0.15	32	19.8		34.50		8.08		93.0		6.93		1.85		2.6				
G2	Cloudy	Moderate	10:20	9.6	S	0.05	206	19.6	19.6	34.28	34.28	8.06	8.07	93.3	93.3	6.98	6.98	6.97	1.81	1.82	2.40	4.1	4.0	3.6
						0.05	220	19.6		34.28		8.07		93.3		6.98			1.82					
					M	0.05	220	19.7	19.7	34.43	34.43	8.07	8.07	93.2	93.2	6.96	6.96	2.24	2.26	3.7	3.6			
						0.05	229	19.7		34.43		8.07		93.2		6.96		2.28						
					B	0.03	7	19.8	19.8	34.54	34.54	8.09	8.09	92.7	92.7	6.91	6.91	3.11	3.12	3.0	3.3			
						0.03	7	19.8		34.54		8.09		92.7		6.90		3.13		3.6				

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

10-Mar-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Cloudy	Rough	21:42	23.3	S	0.26	213	19.9	19.9	34.35	34.35	8.03	8.03	95.7	95.7	7.12	7.12	7.10	1.78	1.80	2.50	3.1	2.8	2.5	
						0.26	231	19.9		34.35		8.03		95.7		7.12			1.81			2.4			
					M	0.10	150	19.8	19.8	34.35	34.35	8.03	8.03	95.1	95.1	7.08	7.08		2.00	2.01		2.01	2.6		2.4
						0.11	156	19.8		34.35		8.03		95.1		7.08			2.2						
					B	0.15	108	19.9	19.9	34.37	34.37	8.02	8.02	94.0	94.0	7.00	7.00		3.69	3.69		3.69	2.5		2.4
						0.15	114	19.9		34.37		8.02		94.0		7.00			2.2						
IM1	Cloudy	Rough	21:33	20.6	S	0.26	175	19.8	19.8	34.24	34.24	8.03	8.03	94.9	94.9	7.07	7.06	1.26	1.26	1.62	1.7	1.7	1.6		
						0.28	178	19.8		34.24		8.03		94.9		7.07		1.26			1.6				
					M	0.24	167	19.8	19.8	34.25	34.25	8.03	8.03	94.5	94.5	7.04		7.04	1.40		1.40	1.39		2.1	2.0
						0.24	170	19.8		34.25		8.03		94.5		7.04			1.8						
					B	0.26	164	19.8	19.8	34.32	34.32	8.03	8.03	94.3	94.3	7.02		7.02	2.19		2.21	2.22		1.2	1.3
						0.27	176	19.8		34.32		8.03		94.3		7.02			1.3						
IM2	Cloudy	Moderate	21:09	5.5	S	0.04	216	19.7	19.7	34.35	34.35	7.99	7.99	92.3	92.3	6.89	6.89	1.64	1.65	1.64	2.3	2.1	2.5		
						0.04	220	19.7		34.35		7.99		92.3		6.89		1.66			1.9				
					M	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	-
						-	-	-		-		-		-		-			-			-			
					B	0.03	111	19.7	19.7	34.32	34.32	7.99	7.99	93.0	93.1	6.94		6.95	1.62		1.63	1.63		3.2	2.8
						0.03	116	19.7		34.32		7.99		93.1		6.95			2.4						
G1	Cloudy	Rough	21:26	18	S	0.39	241	19.8	19.8	34.28	34.28	8.02	8.02	95.4	95.4	7.12	7.11	1.48	1.49	1.86	2.2	2.2	2.1		
						0.42	245	19.8		34.28		8.02		95.4		7.12		1.49			2.1				
					M	0.09	247	19.8	19.8	34.29	34.29	8.02	8.02	95.1	95.1	7.09		7.09	1.76		1.78	1.79		2.1	2.2
						0.09	253	19.8		34.29		8.02		95.1		7.09			2.2						
					B	0.04	255	19.8	19.8	34.29	34.29	8.01	8.01	94.5	94.5	7.05		7.05	2.31		2.33	2.34		1.7	2.0
						0.04	265	19.8		34.29		8.01		94.5		7.05			2.2						
G2	Cloudy	Moderate	21:17	9.6	S	0.07	323	19.7	19.7	34.28	34.28	8.01	8.01	94.0	94.0	7.02	6.98	1.55	1.56	1.85	1.9	1.7	1.6		
						0.07	342	19.7		34.28		8.01		94.0		7.02		1.56			1.5				
					M	0.06	337	19.7	19.7	34.28	34.28	8.00	8.00	93.1	93.0	6.95		6.95	1.77		1.77	1.77		1.6	1.7
						0.06	310.04	19.7		34.28		8.00		92.9		6.94			1.7						
					B	0.05	348	19.7	19.7	34.28	34.28	7.99	7.99	91.3	91.3	6.82		6.82	2.20		2.23	2.25		1.7	1.4
						0.05	320.16	19.7		34.28		7.99		91.2		6.81			2.25			1.1			

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

10-Mar-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Cloudy	Moderate	14:42	23.6	S	0.43	246	19.9	19.9	34.26	34.26	8.03	8.03	95.9	95.9	7.14	7.14	7.12	1.43	1.44	2.09	1.4	1.7	1.6
						0.47	252	19.9		34.26		8.03		95.9		7.14			1.44					
					M	0.02	203	19.9	19.9	34.29	34.29	8.04	8.04	95.4	95.4	7.10	7.10	1.51	1.53	1.8				
						0.02	212	19.9		34.29		8.04		95.4		7.10		1.54						
					B	0.04	76	19.9	19.9	34.36	34.36	8.05	8.06	94.2	94.2	7.01	7.01	3.23	3.32	1.1				
						0.04	77	19.9		34.35		8.07		94.2		7.01		3.41		1.8				
IM1	Cloudy	Moderate	14:35	21.2	S	0.25	256	19.9	19.9	34.23	34.23	8.03	8.03	95.5	95.5	7.11	7.11	7.09	1.51	1.51	1.72	2.4	2.2	2.1
						0.26	268	19.9		34.23		8.03		95.5		7.11			1.51					
					M	0.03	228	19.9	19.9	34.23	34.23	8.03	8.03	95.0	95.0	7.07	7.07	1.61	1.63	2.3				
						0.03	240	19.9		34.23		8.03		95.0		7.07		1.65		2.0				
					B	0.04	260	19.8	19.8	34.21	34.21	8.02	8.02	93.8	93.8	6.99	6.99	2.01	2.02	1.6				
						0.04	263	19.8		34.21		8.02		93.7		6.98		2.03		2.0				
IM2	Cloudy	Rough	14:01	5.6	S	0.05	180	19.8	19.8	34.26	34.26	8.01	8.01	93.4	93.4	6.97	6.97	6.97	1.57	1.57	1.78	1.8	1.4	1.6
						0.05	182	19.8		34.26		8.01		93.4		6.96			1.57					
					M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-		-		-		-		-		-		-				
					B	0.02	160	19.8	19.8	34.26	34.26	8.00	8.00	92.8	92.8	6.92	6.92	1.96	1.98	1.7				
						0.02	168	19.8		34.26		8.00		92.7		6.91		2.00		1.7				
G1	Cloudy	Rough	14:22	17.5	S	0.43	233	19.9	19.9	34.28	34.28	8.03	8.03	95.8	95.8	7.14	7.14	7.13	1.88	1.89	1.94	2.3	2.2	2.2
						0.45	243	19.9		34.28		8.03		95.8		7.14			1.89					
					M	0.31	239	19.9	19.9	34.27	34.27	8.03	8.03	95.4	95.4	7.11	7.11	1.95	1.97	2.0				
						0.33	241	19.9		34.27		8.03		95.4		7.11		1.99		2.4				
					B	0.32	230	19.8	19.8	34.26	34.26	8.02	8.02	94.9	94.9	7.07	7.07	1.93	1.98	2.2				
						0.35	244	19.8		34.26		8.02		94.9		7.07		2.02		2.0				
G2	Cloudy	Rough	14:13	9.7	S	0.08	150	19.8	19.8	34.27	34.27	8.03	8.03	95.7	95.7	7.13	7.13	7.10	2.07	2.08	2.66	2.8	2.3	2.8
						0.08	159	19.8		34.27		8.03		95.7		7.13			2.09			1.8		
					M	0.03	130	19.8	19.8	34.26	34.26	8.02	8.02	94.9	94.9	7.08	7.08	2.58	2.62	2.9				
						0.03	136	19.8		34.26		8.02		94.9		7.07		2.66		2.8				
					B	0.08	122	19.8	19.8	34.26	34.26	8.02	8.02	94.4	94.4	7.03	7.03	3.30	3.28	2.9				
						0.09	130	19.8		34.26		8.02		94.3		7.03		3.26		3.3				

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

12-Mar-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
C1	Cloudy	Moderate	23:52	23.3	S	0.28	196	20.7	20.7	34.34	34.35	8.05	8.05	97.4	97.4	7.14	7.14	7.14	1.29	1.30	1.71	2.4	2.3	2.0		
						0.28	197	20.7		34.35		8.05		97.4		7.14			1.31			2.2				
					M	0.08	83	20.5	20.5	34.68	34.68	8.08	8.08	97.0	97.0	7.13	7.13		1.45	1.45		1.8	1.9		1.7	1.8
						0.08	87	20.5		34.68		8.08		97.0		7.13			2.0							
					B	0.11	59	20.5	20.5	34.78	34.78	8.13	8.13	96.1	96.1	7.04	7.05		2.42	2.39		1.7	1.8			
						0.12	61	20.5		34.78		8.13		96.1		7.05			1.8							
IM1	Cloudy	Moderate	00:14	19.3	S	0.26	153	20.7	20.7	34.21	34.22	8.04	8.04	96.2	96.2	7.06	7.06	7.05	1.30	1.31	2.18	2.7	3.1	2.1		
						0.27	161	20.6		34.22		8.04		96.2		7.06			1.32			3.4				
					M	0.20	111	20.4	20.4	34.64	34.64	8.06	8.06	95.5	95.6	7.03	7.03		2.52	2.53		1.5	1.6		2.53	1.6
						0.20	113	20.4		34.64		8.06		95.6		7.03			1.6							
					B	0.30	134	20.4	20.4	34.67	34.67	8.06	8.06	95.5	95.6	7.03	7.03		2.71	2.72		1.8	1.7		2.72	1.6
						0.33	134	20.4		34.67		8.06		95.6		7.03			1.6							
IM2	Cloudy	Calm	00:40	5.5	S	0.04	104	20.5	20.5	34.51	34.51	8.05	8.06	98.0	98.0	7.20	7.20	7.20	1.51	1.51	1.62	1.9	1.9	2.7		
						0.04	108	20.5		34.51		8.06		98.0		7.20			1.50			1.9				
					M				-		-		-		-		-			-			-			-
					B	0.03	59	20.5	20.5	34.54	34.54	8.06	8.06	98.0	98.0	7.21	7.21		1.73	1.73		3.9	3.5		1.73	1.73
						0.03	63	20.5		34.54		8.06		98.0		7.21			1.73			3.0				
G1	Cloudy	Moderate	00:20	17	S	0.08	188	20.7	20.7	34.52	34.52	8.06	8.06	97.0	97.0	7.10	7.10	7.06	1.62	1.65	2.47	2.1	2.5	2.8		
						0.08	194	20.7		34.52		8.06		96.9		7.10			1.68			2.8				
					M	0.09	167	20.4	20.4	34.59	34.59	8.07	8.07	95.3	95.3	7.01	7.01		2.68	2.69		3.1	3.0		2.69	2.69
						0.10	169	20.4		34.59		8.07		95.3		7.01			2.8							
					B	0.17	180	20.4	20.4	34.64	34.64	8.13	8.14	94.6	94.6	6.96	6.96		3.10	3.07		2.5	2.9		3.04	3.04
						0.18	184	20.4		34.64		8.14		94.6		6.96			3.2							
G2	Cloudy	Calm	00:29	9.1	S	0.05	278	20.6	20.6	34.52	34.52	8.07	8.07	97.9	97.9	7.18	7.18	7.16	1.39	1.39	1.66	1.8	1.7	1.8		
						0.05	293	20.6		34.52		8.07		97.8		7.18			1.39			1.5				
					M	0.07	283	20.4	20.4	34.56	34.56	8.08	8.08	97.0	97.0	7.14	7.14		1.54	1.54		1.4	1.5		1.54	1.54
						0.08	295	20.4		34.56		8.08		97.0		7.14			1.5							
					B	0.03	60	20.5	20.5	34.60	34.60	8.11	8.12	97.0	97.0	7.13	7.13		2.07	2.06		2.4	2.2		2.07	2.07
						0.03	60	20.5		34.60		8.12		97.0		7.13			2.0							

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

12-Mar-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Cloudy	Moderate	17:34	23.2	S	0.22	319	20.9	20.9	34.24	34.25	8.06	8.06	98.8	98.8	7.22	7.22	7.18	1.20	1.21	1.78	1.4	1.6	2.0
						0.23	341	20.9		34.25		8.06		98.7		7.22			1.22			1.8		
					M	0.29	319	20.5	20.5	34.56	34.56	8.09	8.09	97.2	97.2	7.14	7.14		1.23	1.23		1.7	1.8	
						0.31	337	20.5		34.56		8.09		97.1		7.14			1.22			1.9		
					B	0.35	319	20.5	20.5	34.69	34.69	8.13	8.13	94.8	94.9	6.97	6.97		2.91	2.90		2.8	2.6	
						0.35	344	20.5		34.69		8.13		94.9		6.97			2.89			2.3		
IM1	Cloudy	Moderate	17:53	20.8	S	0.49	289	20.8	20.8	34.51	34.51	8.07	8.07	98.5	98.5	7.20	7.20	7.14	1.56	1.56	2.06	2.1	2.4	2.6
						0.51	311	20.8		34.50		8.07		98.5		7.20			1.56			2.7		
					M	0.50	283	20.6	20.6	34.60	34.60	8.08	8.08	96.7	96.7	7.09	7.09		1.73	1.75		2.1	2.5	
						0.53	304	20.6		34.60		8.08		96.6		7.08			1.76			2.8		
					B	0.50	275	20.5	20.5	34.69	34.69	8.12	8.12	95.0	95.1	6.98	6.98		2.88	2.87		2.8	2.9	
						0.50	285	20.5		34.69		8.12		95.1		6.98			2.86			3.0		
IM2	Cloudy	Calm	18:33	5.6	S	0.03	154	20.7	20.7	34.54	34.55	8.06	8.06	101.6	101.5	7.44	7.44	7.44	1.73	1.79	2.13	1.0	1.2	2.4
						0.03	167	20.7		34.55		8.06		101.4		7.43			1.84			1.4		
					M				-		-		-		-		-			-			-	
					B	0.01	136	20.5	20.5	34.62	34.62	8.06	8.06	97.0	97.1	7.13	7.14		2.50	2.48		3.0	3.6	
						0.01	141	20.5		34.62		8.06		97.2		7.14			2.45			4.1		
G1	Cloudy	Moderate	18:09	17.8	S	0.12	300	20.5	20.5	34.61	34.61	8.05	8.05	97.7	97.7	7.17	7.17	7.13	1.37	1.37	2.02	1.8	1.7	2.0
						0.12	321	20.5		34.61		8.05		97.6		7.17			1.37			1.6		
					M	0.10	266	20.6	20.6	34.61	34.61	8.05	8.05	96.6	96.6	7.09	7.09		1.55	1.56		2.0	1.8	
						0.11	268	20.6		34.61		8.05		96.5		7.08			1.57			1.6		
					B	0.11	260	20.5	20.5	34.69	34.69	8.05	8.05	95.7	95.8	7.03	7.03		3.15	3.12		2.5	2.4	
						0.12	270	20.5		34.69		8.05		95.8		7.03			3.09			2.2		
G2	Cloudy	Calm	18:19	9.7	S	0.03	100	20.9	20.9	34.50	34.51	8.08	8.08	99.9	99.8	7.30	7.29	7.22	1.24	1.26	1.79	1.6	1.9	1.9
						0.03	100	20.9		34.51		8.08		99.7		7.28			1.27			2.2		
					M	0.03	33	20.6	20.6	34.59	34.59	8.09	8.09	97.4	97.4	7.14	7.14		1.66	1.69		2.2	2.0	
						0.03	34	20.6		34.59		8.09		97.3		7.14			1.71			1.7		
					B	0.01	302	20.5	20.5	34.66	34.66	8.12	8.13	95.8	95.8	7.04	7.04		2.40	2.42		1.9	1.9	
						0.01	324	20.5		34.66		8.13		95.8		7.04			2.43			1.9		

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

15-Mar-2021

Tide: Mid-Ebb

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
C1	Fine	Rough	13:30	23.2	S	0.17	200	21.4	21.4	34.91	34.91	8.09	8.09	99.4	99.4	7.17	7.17	7.16	1.58	1.59	1.91	2.6	2.6	2.4		
						0.19	201	21.4		34.91		8.09		99.4		7.17			1.59			2.6				
					M	0.13	105	21.3	21.3	34.88	34.88	8.10	8.10	98.9	98.9	7.15	7.15		1.49	1.49		1.48	2.4		2.6	
						0.13	114	21.3		34.88		8.10		98.9		7.15			1.48			2.7				
					B	0.16	100	21.3	21.3	34.93	34.93	8.15	8.16	97.8	97.9	7.07	7.08		2.74	2.67		2.59	1.8		2.1	2.3
						0.17	104	21.3		34.93		8.16		97.9		7.08			2.59			2.3				
IM1	Fine	Rough	14:01	19.6	S	0.31	164	21.3	21.3	34.76	34.76	8.06	8.06	98.5	98.5	7.13	7.13	7.11	1.58	1.58	1.69	1.4	1.7	2.3		
						0.33	171	21.3		34.76		8.06		98.5		7.13			1.57			1.9				
					M	0.27	156	21.2	21.2	34.76	34.76	8.06	8.06	97.9	97.9	7.09	7.09		1.64	1.64		1.63	2.0		2.2	2.4
						0.29	168	21.2		34.76		8.06		97.9		7.09			1.63			2.4				
					B	0.26	154	21.2	21.2	34.82	34.82	8.07	8.07	97.5	97.5	7.06	7.07		1.86	1.86		1.85	2.6		3.0	3.4
						0.27	159	21.2		34.82		8.07		97.5		7.07			1.85			3.4				
IM2	Fine	Calm	14:39	5.1	S	0.03	166	21.4	21.4	34.86	34.86	8.08	8.08	99.9	99.9	7.22	7.22	7.22	1.96	1.98	2.10	1.3	1.6	1.9		
						0.03	181	21.4		34.86		8.08		99.9		7.22			1.99			1.8				
					M				-		-		-		-		-			-						
					B	0.04	163	21.3	21.3	34.87	34.87	8.08	8.08	99.5	99.5	7.19	7.19		2.22	2.22		2.21	2.3		2.3	2.3
						0.04	176	21.3		34.87		8.08		99.5		7.19			2.21			2.3				
G1	Fine	Moderate	14:10	17.1	S	0.28	243	21.4	21.4	34.85	34.85	8.06	8.06	99.0	99.0	7.15	7.15	7.13	1.68	1.69	1.84	1.4	1.7	2.2		
						0.29	255	21.4		34.85		8.06		99.0		7.15			1.70			2.0				
					M	0.07	267	21.3	21.3	34.91	34.91	8.07	8.07	98.1	98.1	7.10	7.10		1.76	1.78		1.79	2.4		2.2	2.0
						0.07	281	21.3		34.91		8.07		98.1		7.10			1.79			2.0				
					B	0.03	52	21.3	21.3	34.96	34.96	8.07	8.07	97.9	97.9	7.08	7.08		2.06	2.07		2.07	2.4		2.7	3.0
						0.03	53	21.3		34.96		8.07		97.9		7.08			2.07			3.0				
G2	Fine	Calm	14:22	8.6	S	0.09	205	21.6	21.6	34.87	34.87	8.06	8.06	99.9	99.9	7.18	7.18	7.17	2.08	2.09	2.43	1.8	2.0	2.1		
						0.09	219	21.6		34.87		8.06		99.8		7.18			2.09			2.1				
					M	0.01	152	21.4	21.4	34.88	34.88	8.06	8.06	99.1	99.1	7.15	7.15		2.24	2.25		2.25	2.1		2.3	2.5
						0.01	165	21.4		34.88		8.06		99.1		7.15			2.24			2.5				
					B	0.02	177	21.3	21.3	34.89	34.89	8.07	8.07	98.8	98.8	7.14	7.14		2.96	2.95		2.94	1.7		2.2	2.6
						0.02	178	21.3		34.89		8.07		98.8		7.14			2.94			2.6				

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet

15-Mar-2021

Tide: Mid-Flood

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Fine	Rough	13:30	23.2	S	0.17	200	21.4	21.4	34.91	34.91	8.09	8.09	99.4	99.4	7.17	7.17	7.16	1.58	1.59	1.91	2.6	2.6	2.4	
						0.19	201	21.4		34.91		8.09		99.4		7.17			1.59			2.6			
					M	0.13	105	21.3	21.3	34.88	34.88	8.10	8.10	98.9	98.9	7.15	7.15		1.49	1.49		1.48	2.4		2.6
						0.13	114	21.3		34.88		8.10		98.9		7.15			2.7						
					B	0.16	100	21.3	21.3	34.93	34.93	8.15	8.16	97.8	97.9	7.07	7.08		2.74	2.67		2.59	1.8		2.1
						0.17	104	21.3		34.93		8.16		97.9		7.08			2.3						
IM1	Fine	Rough	14:01	19.6	S	0.31	164	21.3	21.3	34.76	34.76	8.06	8.06	98.5	98.5	7.13	7.13	7.11	1.58	1.58	1.69	1.4	1.7	2.3	
						0.33	171	21.3		34.76		8.06		98.5		7.13			1.57			1.9			
					M	0.27	156	21.2	21.2	34.76	34.76	8.06	8.06	97.9	97.9	7.09	7.09		1.64	1.64		1.63	2.0		2.2
						0.29	168	21.2		34.76		8.06		97.9		7.09			2.4						
					B	0.26	154	21.2	21.2	34.82	34.82	8.07	8.07	97.5	97.5	7.06	7.07		1.86	1.86		1.85	2.6		3.0
						0.27	159	21.2		34.82		8.07		97.5		7.07			3.4						
IM2	Fine	Calm	14:39	5.1	S	0.03	166	21.4	21.4	34.86	34.86	8.08	8.08	99.9	99.9	7.22	7.22	7.22	1.96	1.98	2.10	1.3	1.6	1.9	
						0.03	181	21.4		34.86		8.08		99.9		7.22			1.99			1.8			
					M				-		-		-		-		-			-					
					B	0.04	163	21.3	21.3	34.87	34.87	8.08	8.08	99.5	99.5	7.19	7.19		2.22	2.22		2.21	2.3		2.3
						0.04	176	21.3		34.87		8.08		99.5		7.19			2.3						
G1	Fine	Moderate	14:10	17.1	S	0.28	243	21.4	21.4	34.85	34.85	8.06	8.06	99.0	99.0	7.15	7.15	7.13	1.68	1.69	1.84	1.4	1.7	2.2	
						0.29	255	21.4		34.85		8.06		99.0		7.15			1.70			2.0			
					M	0.07	267	21.3	21.3	34.91	34.91	8.07	8.07	98.1	98.1	7.10	7.10		1.76	1.78		1.79	2.4		2.2
						0.07	281	21.3		34.91		8.07		98.1		7.10			2.0						
					B	0.03	52	21.3	21.3	34.96	34.96	8.07	8.07	97.9	97.9	7.08	7.08		2.06	2.07		2.07	2.4		2.7
						0.03	53	21.3		34.96		8.07		97.9		7.08			3.0						
G2	Fine	Calm	14:22	8.6	S	0.09	205	21.6	21.6	34.87	34.87	8.06	8.06	99.9	99.9	7.18	7.18	7.17	2.08	2.09	2.43	1.8	2.0	2.1	
						0.09	219	21.6		34.87		8.06		99.8		7.18			2.09			2.1			
					M	0.01	152	21.4	21.4	34.88	34.88	8.06	8.06	99.1	99.1	7.15	7.15		2.24	2.25		2.25	2.1		2.3
						0.01	165	21.4		34.88		8.06		99.1		7.15			2.5						
					B	0.02	177	21.3	21.3	34.89	34.89	8.07	8.07	98.8	98.8	7.14	7.14		2.96	2.95		2.94	1.7		2.2
						0.02	178	21.3		34.89		8.07		98.8		7.14			2.6						

Remark: * DA: Depth-Averaged

*** S: 1 m below the sea surface; M: mid-depth; S: 1 m above the seabed

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