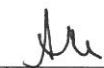



**Bay to Bay Express Cable System -
Hong Kong Segment (BtoBE-HK) –
Chung Hom Kok**

Baseline Monitoring Report

April 2021

	Name	Signature
Prepared & Checked:	Alex Chan	
Reviewed & Approved:	Lemon Lam	

Version:	Rev. 0	Date: 7 April 2021
<p>Disclaimer</p> <p>The information contained in this report is, to the best of our knowledge, correct at the time of printing. The interpretation and recommendations in the report are based on our experience, using reasonable professional skill and judgment, and based upon the information that was available to us. These interpretations and recommendations are not necessarily relevant to any aspect outside the restricted requirements of our brief. This report has been prepared for the sole and specific use of our client and AECOM Environment accepts no responsibility for its use by others.</p> <p>This report is copyright and may not be reproduced in whole or in part without prior written permission.</p>		



Member of the Surbana Jurong Group

local people
global experience

Our Ref: 7076640/L27271/AB/TSC/JC/rw

7 April 2021

OMS Group Sdn Bhd (previously known as Optic Marine Services Sdn Bhd)
c/o No 217, Block 3 No 7 Persiaran Sukan
Laman Seri Business Park
Seksyen 13, 40100 Shah Alam
Selangor D.E., Malaysia

By Email Only
(david.lim@opticmarine.com)

Attention: Mr. David LIM

Dear Sir

**Bay to Bay Express Cable System – Hong Kong Segment (BtoBE-HK) – Chung Hom Kok
Verification of Baseline Monitoring Report**

Reference is made to the *Baseline Monitoring Report (Rev. 0)* dated 7 April 2021, submitted by the Environmental Team via e-mail on 7 April 2021.

We hereby verify the said Baseline Monitoring Report has complied with the requirement as set out under Condition 3.3 of the Environmental Permit.

Thank you very much for your kind attention. Please do not hesitate to contact the undersigned should you have any queries.

Yours faithfully

Cindy CHUNG
Independent Environmental Checker

cc: AECOM Ms. Lemon LAM

(By Email: lemon.lam@aecom.com)

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EXECUTIVE SUMMARY

The baseline water quality monitoring was carried out 3 days per week for 4 weeks between 27 February 2021 and 25 March 2021 for all designated water quality monitoring locations described in the Project Profile. The water quality parameters such as turbidity, suspended solids, dissolved oxygen and temperature were monitored either using the calibrated equipment or by laboratory analysis.

The monitoring results were presented in this report and no major pollution source and extreme weather, which might affect the results, were observed during the baseline monitoring period. The Action and Limit levels of dissolved oxygen, suspended solids and turbidity were derived based on the baseline monitoring results and the water quality assessment criteria.

1 INTRODUCTION

1.1 Background

- 1.1.1 The Bay to Bay Express (BtoBE) Cable System is a 38mm diameter submarine telecommunications cable that will further enhance and contribute to the much-needed expansion of communications networks between Hong Kong, the United States, Malaysia and Singapore. With multiple pairs of optical fibres, BtoBE will enable high capacity transmission of data across the Pacific Ocean with round trip latency of less than 130ms. BtoBE will be built with advanced optical submarine transmission equipment, thereby improving network redundancy, flexibility and ensuring highly reliable communications. The indicative alignment of the BtoBE Cable System is shown in **Figure 1.1**.
- 1.1.2 The total length of the whole BtoBE Cable System will be 16,000km, of which this Project – the Hong Kong Segment (BtoBE-HK) – is about 36.6km in length within Hong Kong waters. Buried below the seabed, the BtoBE-HK Cable enters the eastern waters of Hong Kong, follows the established “east-west cable corridor (north)” and lands at an existing Beach Manhole (BMH) at Sha Shek Tan Beach (SST Beach) on the Chung Hom Kok (CHK) peninsula, which is at the south side of Hong Kong Island. This is the same landing location of the existing South-East Asia Japan Cable System (“SJC”) and other cables, including City-to-City Cable System (“C2C”) and the East Asia Crossing + C2C cable system (“EAC-C2C”).
- 1.1.3 CHK is an important telecommunications and media hub in Hong Kong. There are currently teleport substations, GB21 Cable Station Chung Hom Kok Teleport Substation and Smartone Station Chung Hom Kok Teleport Substation, located at CHK. It is anticipated that this area further developed to cater for more telecommunication infrastructure in the future.
- 1.1.4 A Project Profile was prepared to assess potential environmental impacts associated with the installation of the submarine telecommunications cable system within Hong Kong. The Project Profile was submitted to the Environmental Protection Department (EPD) under section 5(1)(b) and 5(11) of the Environmental Impact Assessment Ordinance (EIAO) for application for permission to apply directly for an Environmental Permit (EP) (Application No.: AEP-573/2020). Permission granted by EPD via an approval letter dated 2 April 2020 (Ref. EP2/H19/C/10) and the Environmental Permit (EP-573/2020) issued by the EPD on 5 May 2020.
- 1.1.5 The Project Profile recommended carrying out precautionary water quality monitoring to ensure no adverse impacts to the water quality, marine ecology and fisheries.

1.2 Purpose of Baseline Monitoring Report

- 1.2.1 Pursuant to the Environmental Permit (EP-573/2020) Condition 3.2 (a), baseline monitoring shall be carried out for four weeks and shall commence no later than six weeks before that start of cable installation works.
- 1.2.2 The purpose of this report is to review the baseline conditions of water quality at the Project site, and to establish baseline levels for water quality in accordance with the Project Profile. These levels would be used as the basis for assessing environmental impact and compliance during cable laying works of the Project.
- 1.2.3 This baseline monitoring report presents the baseline monitoring requirements, methodologies and monitoring results of water quality described in the Project Profile.

2 WATER QUALITY MONITORING

2.1 Monitoring Requirements

- 2.1.1 In accordance with the Project Profile, baseline water quality levels at 7 locations should be established by conducting baseline monitoring for at least 4 weeks prior to the commencement of cable installation works.

2.2 Monitoring Equipment

- 2.2.1 The brand and model of water quality monitoring equipment is given in **Table 2.1**.

Table 2.1 Water Quality Monitoring Equipment

Equipment	Brand and Model
Dissolved Oxygen Meter	YSI 6820 V2
Water Temperature Meter	
Turbidimeter	
Water Sampler	Kahlsico Water Sampler
Echo Sounder	Lowrance x-4
Global Positioning System	Garmin GPS72H
Air Velocity Meter	TSI 9555-P

2.3 Monitoring Locations

- 2.3.1 In accordance with the Project Profile, the water monitoring stations for baseline water quality monitoring is presented in **Table 2.2** and shown in **Figure 2.1**.

Table 2.2 Baseline Water Quality Monitoring Stations

Type of Station	Station	Location	Easting	Northing	Closest Distance from Cable Alignment (m)
Water Quality Monitoring Station	B2	St. Stephen's Beach	840 068	808 258	253
	C3	Coral Communities at the Coast of Beaufort Island	843 179	805 885	211
	C4	Coral Communities at the Coast of Cape d' Aguilar	844 950	806 897	647
	F1	Po Toi FCZ	842 725	805 654	470
	F2	Spawning Ground of Commercial Fisheries Resources	839 231	807 458	274
	GS1	Gradient Station	839 954	808 249	126
Control Station	CS1	Control Station	837 905	803 508	2,800

2.4 Monitoring Parameters, Frequency and Duration

2.4.1 The monitoring parameters, frequency and duration of water quality monitoring are summarized in **Table 2.3**.

Table 2.3 Water Quality Monitoring Parameters, Frequency and Duration

Parameter	Frequency and Duration
Turbidity, Suspended Solids, Dissolved Oxygen and Temperature	Three days per week, at mid-flood and mid-ebb tides for 4 weeks

2.5 Monitoring Methodology

2.5.1 The water quality monitoring procedures are presented in the following:

- The water quality monitoring was carried out three times each week and interval between any two sets of monitoring were not less than 36 hours.
- For each set, monitoring was undertaken within a 4 hours window of 2 hours before and 2 hours after mid-flood and mid-ebb tides.
- All monitoring equipment were checked and calibrated before use. Responses of sensors and electrodes were also checked with certified standard solutions before each use.
- The interval between 2 sets of monitoring was not less than 36 hours.
- Duplicate in-situ measurements and water sampling were carried out in each sampling event.
- Measurements were taken at 3 water depths, namely, 1m below water surface, mid-depth and 1m above sea bed, except where the water depth less than 6m, the mid-depth station may be omitted. Should the water depth be less than 3m, only the mid-depth station was monitored.
- Analysis of suspended solids was carried out by ALS Technichem (HK) Pty Ltd. Sufficient water samples were collected at the monitoring stations for carrying out the laboratory analysis. The analysis followed the standard methods as described in APHA Standard Methods for the Examination of Water and Wastewater, 19th Edition (APHA 2540D for SS).
- Water samples for suspended solids measurements were collected in high density polythene bottles, packed in ice (cooled to 4°C without being frozen), and delivered to a HOKLAS laboratory as soon as possible after collection.
- All monitoring equipment were certified by a laboratory accredited under HOKLAS. Calibration certificates of all monitoring equipment are provided in **Appendix A**.

2.6 Results and Observations

2.6.1 The baseline water quality monitoring for 7 locations were carried out 3 days per week for 4 weeks between 27 February 2021 and 25 March 2021. The baseline monitoring data and the laboratory analysis result were annexed in **Appendix B** and **Appendix C** respectively.

2.6.2 The weather conditions during the monitoring period were mainly fine, occasionally sunny and cloudy. No major pollution source and extreme weather, which might affect the results, was observed during the baseline monitoring period.

2.6.3 The baseline water quality monitoring results are summarized in **Table 2.4**.

2.6.4 The measured baseline turbidity (in NTU) is plotted against the measured baseline suspended solids (in mg/L) for each sample, and the relationship between suspended solids and turbidity is shown in **Figure 2.2**.

2.6.5 The R² value calculated (0.1383) is <0.8, only turbidity shall be used for establishing Limit Level for silt curtain monitoring.

Table 2.4 Summary of Baseline Water Quality Monitoring Results

Locations		Dissolved Oxygen (mg/L)		Turbidity (NTU)	Suspended Solids (mg/L)
		Surface & Middle	Bottom		
B2	Avg.	7.59	7.56	2.3	1.9
	Min.	7.31	7.08	1.5	<1.0
	Max.	7.86	7.84	4.5	5.2
C3	Avg.	7.52	7.44	2.4	1.8
	Min.	7.32	7.24	1.6	<1.0
	Max.	7.78	7.66	5.2	4.1
C4	Avg.	7.52	7.45	2.3	1.7
	Min.	7.30	7.22	1.6	<1.0
	Max.	7.80	7.69	3.7	4.2
F1	Avg.	7.51	7.45	2.5	1.8
	Min.	7.31	7.26	1.4	<1.0
	Max.	7.77	7.64	5.5	4.2
F2	Avg.	7.55	7.53	2.3	1.8
	Min.	7.39	7.35	1.6	<1.0
	Max.	7.77	7.69	3.6	4.3
GS1	Avg.	7.57	7.54	2.3	1.8
	Min.	7.29	7.13	1.6	<1.0
	Max.	7.83	7.79	3.6	4.4
CS1	Avg.	7.54	7.50	2.4	1.9
	Min.	7.34	7.32	1.7	<1.0
	Max.	7.75	7.74	4.0	4.9

2.7 Action / Limit Levels and Event / Action Plan

2.7.1 The water quality assessment criteria, namely Action and Limit levels are shown in **Table 2.5**.

Table 2.5 Derivation of Action and Limit Levels for Water Quality

Parameters	Action	Limit
DO in mg/l (Surface, Middle & Bottom)	<u>Surface & Middle</u> 5th percentile of baseline data for surface and middle layers <u>Bottom</u> 5th percentile of baseline data for bottom layer	<u>Surface & Middle</u> 5mg/L or 1st percentile of baseline data for surface and middle layers <u>Bottom</u> 2mg/L or 1st percentile of baseline data for bottom layer
SS in mg/l (depth-averaged)	95th percentile of baseline data or 20% exceedance of value at any impact station compared with the control station	99th percentile of baseline data, or 30% exceedance of value at any impact station compared with the control station
Turbidity (Tby) in NTU (depth-averaged)	95th percentile of baseline data or 20% exceedance of value at any impact station compared with corresponding data from the control station	99th percentile of baseline data, or 30% exceedance of value at any impact station compared with corresponding data from the control station

2.7.2 The derived Action and Limit levels are presented in **Table 2.6**

Table 2.6 Derived Action and Limit Levels for Water Quality

Parameters	Action	Limit
DO in mg/L	<u>Surface & Middle:</u> 7.38 (5th percentile of baseline data for surface and middle layers)	<u>Surface & Middle:</u> 5*
	<u>Bottom:</u> 7.33 (5th percentile of baseline data for bottom layer)	<u>Bottom:</u> 2*
SS in mg/L (depth-averaged)	3.12 (95th percentile of baseline data)	3.91 (99th percentile of baseline data)
Turbidity in NTU (depth-averaged)	3.45 (95th percentile of baseline data)	4.37 (99th percentile of baseline data)

*The 1st percentile of baseline data for of Surface& Middle and Bottom layers were recorded in 7.31mg/L and 7.23mg/L respectively. Thus, the more stringent criteria of 5mg/L and 2mg/L were considered as the limit level based on Table 2.5.

2.7.3 The Event/Action Plan is shown in **Table 2.7**. Please note that the Event / Action Plan relates only to exceedances that are directly attributable to the cable installation works over which the installation contractor has control.

Table 2.7 Event / Action Plan for Water Quality

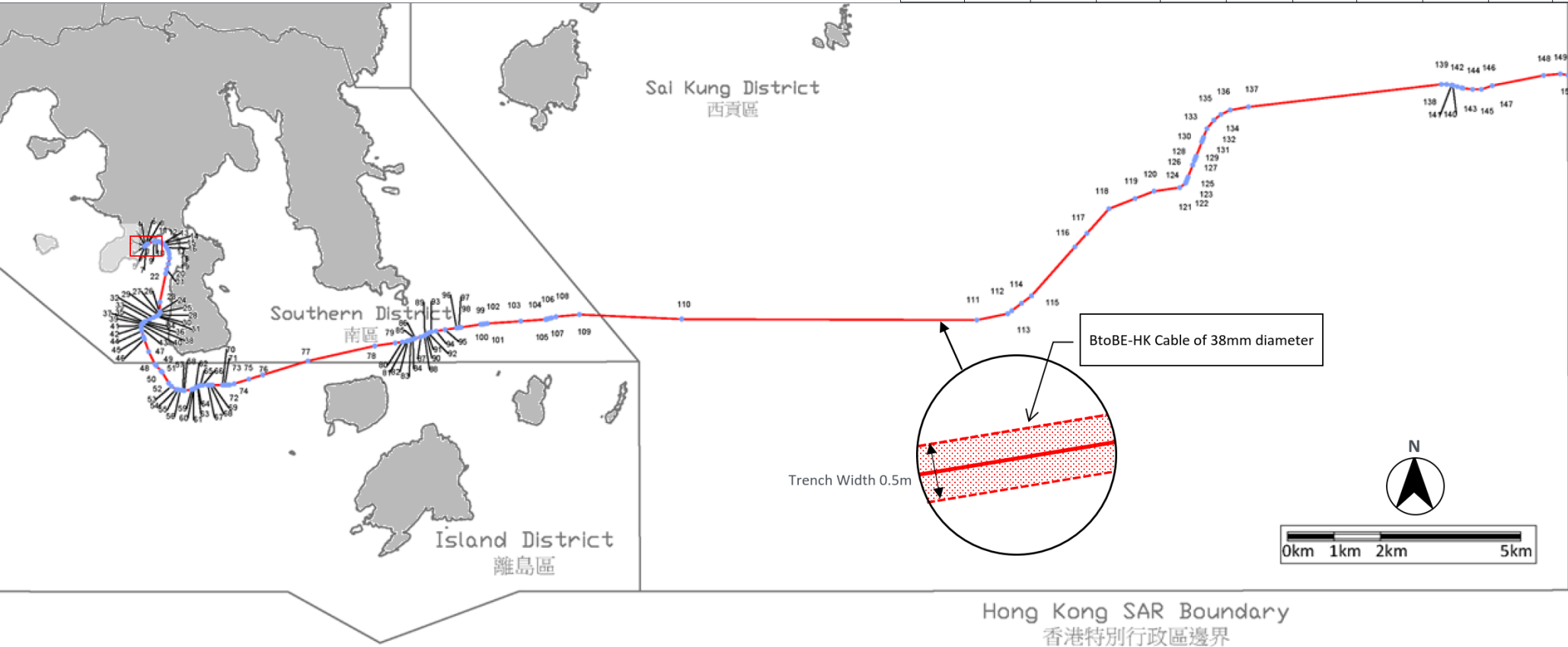
Event	Environmental Team
Action Level Exceedance	<ol style="list-style-type: none"> 1. Repeat sampling event. 2. Inform EPD and AFCD and confirm notification of the non-compliance in writing. 3. Discuss with cable installation contractor and the IEC/IC the most appropriate method of reducing suspended solids during cable installation and agree with EPD. 4. Repeat measurements after implementation of mitigation for confirmation of compliance. 5. If non-compliance continues, increase measures in Step 3 and repeat measurement in Step 4. If non-compliance occurs a third time, suspend cable laying operations and continue sampling until normal water quality resumes.
Limit Level Exceedance	Suspend cable laying operations and undertake Step 1-4 immediately. Cable laying should only continue when the water quality shows compliance again.

3 CONCLUSIONS AND RECOMMENDATIONS

3.1.1 Baseline water quality monitoring was carried out between 27 February 2021 and 25 March 2021 for 7 designated locations. Action and Limit Levels were derived based on the baseline monitoring results and water quality assessment criteria.

3.1.2 No recommendation was provided in this baseline monitoring report.

FIGURES



- Legend:**
- Work Limit Control Point (WLCP)
 - ✕ Sea Earthing Cable Control Point (SECP)
 - Sea Earthing Cable
 - Bay to Bay Express Cable System – Hong Kong Segment (BtoBE-HK)
 - Sandy Beach Area

Figure 1.1 Alignment of BtoBE-HK Cable System within Hong Kong (Source: Figure 1-3 of the Project Profile)

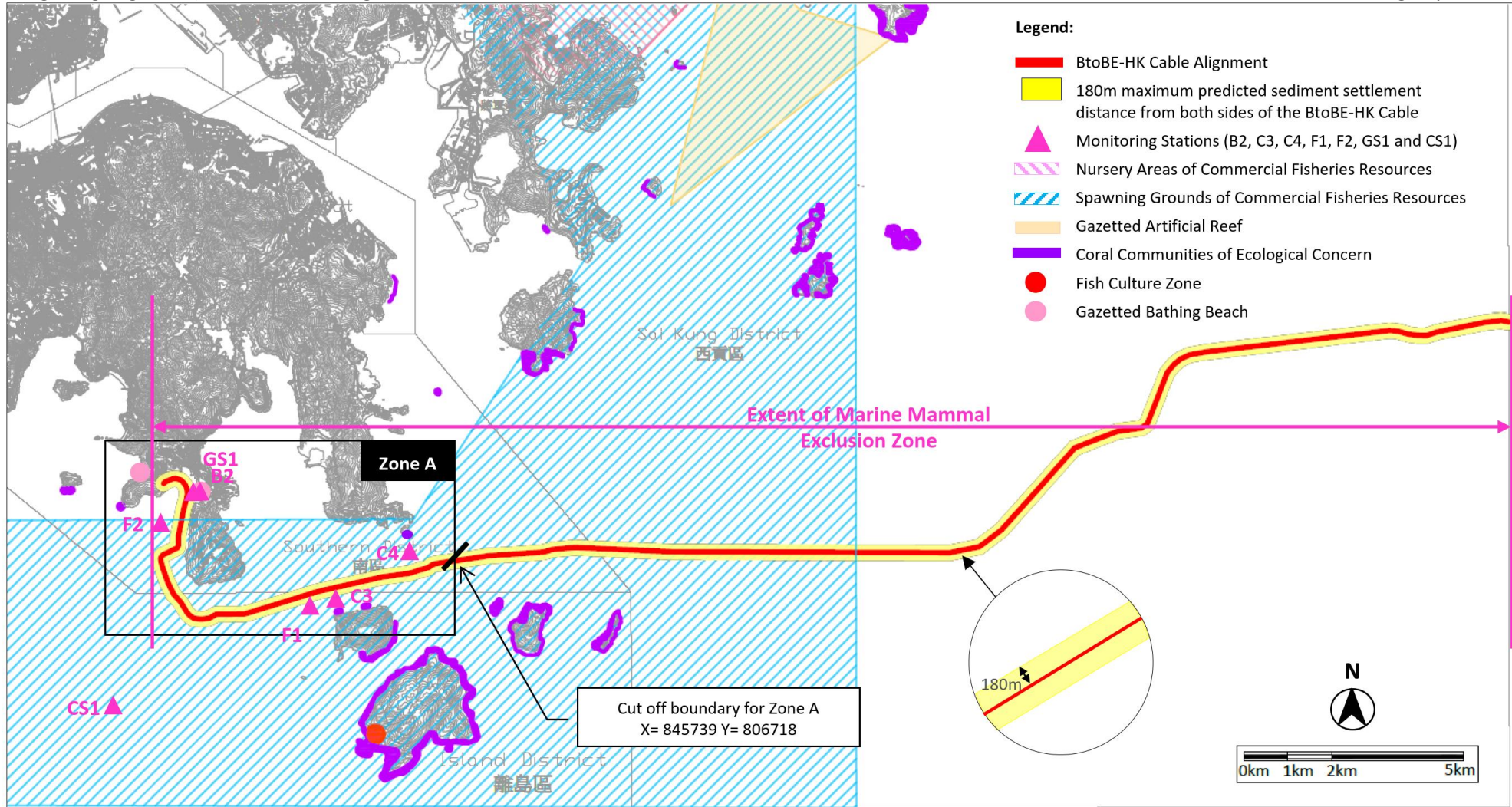


Figure 2.1 Locations of Water Quality Monitoring Station (Source: Figure F.1 of the Project profile)

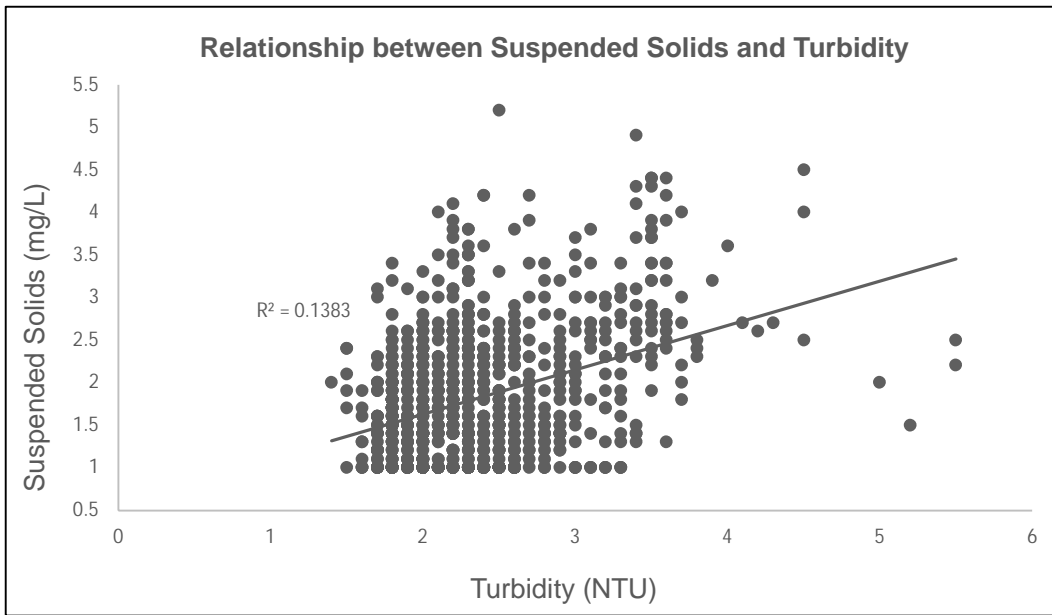


Figure 2.2
Relationship between Suspended Solids and Turbidity

**APPENDIX A
CALIBRATION CERTIFICATES OF
MONITORING EQUIPMENT**



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT: MR MIKE SHEK
CLIENT: AECOM ASIA COMPANY LIMITED
ADDRESS: 13/F, TOWER 2, GRAND CENTRAL PLAZA,
138 SHATIN RURAL COMMITTEE ROAD,
SHATIN, HONG KONG

WORK ORDER: HK2102567
SUB- BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 19-Jan-2021
DATE OF ISSUE: 22-Jan-2021

SPECIFIC COMMENTS

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

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

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

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

Equipment Type: Multifunctional Meter
Service Nature: Performance Check
Scope: Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.: YSI 6820 V2
Serial No./ Equipment No.: 00H1019 (W.026.09)
Date of Calibration: 19- January- 2021

GENERAL COMMENTS

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

Mr Chan Siu Ming, Vico
Manager - Inorganic

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2102567
SUB-BATCH: 0
DATE OF ISSUE: 22-Jan-2021
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/
Model No.: YSI 6820 V2
Serial No./
Equipment No.: 00H1019 (W.026.09)
Date of Calibration: 19-January-2021

Date of Next Calibration: 19-April-2021

PARAMETERS:

Conductivity

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

Expected Reading ($\mu\text{S}/\text{cm}$)	Displayed Reading ($\mu\text{S}/\text{cm}$)	Tolerance (%)
146.9	141	- 4.0
6667	6679	+ 0.2
12890	12957	+ 0.5
58670	58537	- 0.2
	Tolerance Limit (%)	± 10.0

Dissolved Oxygen

Method Ref: APHA (21st edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.90	2.87	- 0.03
5.15	5.10	- 0.05
7.65	7.68	+ 0.03
	Tolerance Limit (mg/L)	± 0.20

pH Value

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

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.99	- 0.01
7.0	7.00	+ 0.00
10.0	10.01	+ 0.01
	Tolerance Limit (pH unit)	± 0.20

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

Mr Chan Siu Ming, Vico
Manager - Inorganic

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2102567
SUB- BATCH: 0
DATE OF ISSUE: 22-Jan- 2021
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/
Model No.: YSI 6820 V2
Serial No./
Equipment No.: 00H1019 (W.026.09)

Date of Calibration: 19- January- 2021 Date of Next Calibration: 19- April- 2021

PARAMETERS:

Turbidity

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

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	3.9	- 2.5
10	10.4	+ 4.0
20	20.7	+ 3.5
50	50.4	+ 0.8
100	100.4	+ 0.4
	Tolerance Limit (%)	± 10.0

Salinity

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	10.01	+ 0.1
20	20.18	+ 0.9
30	30.13	+ 0.4
	Tolerance Limit (%)	± 10.0

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

Mr Chan Siu Ming, Vico
Manager - Inorganic

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



WORK ORDER: HK2102567
SUB- BATCH: 0
DATE OF ISSUE: 22-Jan- 2021
CLIENT: AECOM ASIA COMPANY LIMITED

Equipment Type: Multifunctional Meter
Brand Name/
Model No.: YSI 6820 V2
Serial No./
Equipment No.: 00H1019 (W.026.09)
Date of Calibration: 19- January- 2021

Date of Next Calibration: 19- April- 2021

PARAMETERS:

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical
Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
10.0	9.95	- 0.1
20.0	19.95	- 0.1
39.5	39.71	+ 0.2
	Tolerance Limit (°C)	± 2.0

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

Mr Chan Siu Ming, Vico
Manager - Inorganic



Certificate of Calibration 校正證書

Certificate No. : C202803
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC20-0967) **Date of Receipt / 收件日期** : 7 May 2020
Description / 儀器名稱 : Air Velocity Meter
Manufacturer / 製造商 : TSI
Model No. / 型號 : 9555-P
Serial No. / 編號 : 9555P0836010
Supplied By / 委託者 : Aecom Asia Co., Ltd.
13/F., Tower 2, Grand Central Plaza,
138 Shatin Rural Committee Road, Shatin, N.T.

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C **Relative Humidity / 相對濕度** : (50 ± 25)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 20 to 21 May 2020

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- South China National Centre of Metrology, China
- Agilent Technologies / Keysight Technologies
- Testo Industrial Services GmbH, Germany
- Fluke Everett Service Center, USA

Tested By / 測試 : 
T F Lee
Assistant Engineer

Certified By / 核證 : 
H C Chan
Engineer

Date of Issue / 簽發日期 : 22 May 2020

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。此證書應以本證書全文為准，未經本實驗室書面批准，不得翻印。

Sun Creation Engineering Limited - Calibration & Testing Laboratory

co: 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong

輝創工程有限公司 - 校正及檢測實驗室

co: 香港新界屯門興安里一號四樓

Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: cal@suncreation.com Website/網址: www.suncreation.com



Certificate of Calibration

校正證書

Certificate No. : C202803
證書編號

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.
- Test equipment :

Equipment ID	Description	Certificate No.
CL018	Portable Calibrator	C191834
CL041 & CL041B	Digital Thermometer	C201018
CL042 & CL042B	Digital Thermometer	C201019
CL272 & CL272A	Humidity Control Chamber	C183502 & C183457
CL292	Recorder	C192930
CL316 & CL316A	Precision Multi-function Measuring Instrument	C180363
CL330	Environmental Chamber	C190296
CL360	Portable Air Pressure	RYB201909837
CL410 & CL410D	Multi Functionally Measuring Instrument & Psychrometer	C195787

- Test procedure : MA006, MA103N, MA109N & MA130N.
- Results :

4.1 Air Velocity

Applied Value (m/s)	UUT Reading (m/s)	Measured Correction		
		Value (m/s)	Measurement Uncertainty	
			Expanded Uncertainty (m/s)	Coverage Factor
2.00	2.10	-0.10	0.31	2.0
4.00	4.11	-0.11	0.36	2.0
6.03	6.21	-0.18	0.41	2.0
8.02	8.46	-0.44	0.50	2.0
10.01	10.95	-0.94	0.57	2.0

The results presented are the mean of 10 measurements at each calibration point.

4.2 Temperature

Applied Value (°C)	UUT Reading (°C)	Measured Correction		
		Value (°C)	Measurement Uncertainty	
			Expanded Uncertainty (°C)	Coverage Factor
25.0	24.8	+0.2	0.5	2.0

The results presented are the mean of 3 measurements at each calibration point.

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室書面批准。

Sun Creation Engineering Limited - Calibration & Testing Laboratory

c/o 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong

輝創工程有限公司 - 校正及檢測實驗室

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Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: call@suncreation.com Website/網址: www.suncreation.com



Certificate of Calibration

校正證書

Certificate No. : C202803
證書編號

4.3 Relative Humidity (23°C)

Applied Value (%)	UUT Reading (%)	Measured Correction		
		Value (%)	Measurement Uncertainty	
			Expanded Uncertainty (%)	Coverage Factor
60.0	63.8	-3.8	1.5	2.0

The results presented are the mean of 3 measurements at each calibration point.

4.4 Barometric Pressure

Applied Value (hPa)	UUT Reading (hPa)	Measured Correction		
		Value (hPa)	Measurement Uncertainty	
			Expanded Uncertainty (hPa)	Coverage Factor
1 001.3	995.3	+6.0	2.0	2.0

The results presented are the mean of 3 measurements at each calibration point.

Test Medium : Air

- Remarks :
- UUT Probe Model : 964
S/N : P08350010
 - UUT Setting : ACTUAL/STANDARD : ACTUAL
Temperature Source : Probe
 - The Measured Corrections are defined as :
Value = Applied Value - UUT Reading
 - The expanded uncertainties are for a level of confidence of 95 %.

Note :
Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.
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**APPENDIX B
BASELINE WATER QUALITY MONITORING
DATA**

Mid-Ebb Tide - B2

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solid (mg/m3)			Wind		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
27-Feb-21	B2	Cloudy	Rough	10:36	Surface	1.0	18.0 18.0	18.0	36.1 36.1	36.1	7.5 7.5	7.5	99.2 99.8	99.5	7.57 7.62	7.60	7.60	2.3 2.3	2.3	2.3	<1.0 <1.0	<1.0 <1.0	<1.0	NE	3.0	No any influencing factor was observed during monitoring.
					Bottom	4.1	18.0 18.0	18.0	36.1 36.1	36.1	7.5 7.5	7.5	99.4 100.7	100.1	7.58 7.63	7.63	7.63	2.2 2.3	2.3							
2-Mar-21	B2	Sunny	Moderate	12:30	Surface	1.0	18.3 18.3	18.3	35.9 35.9	35.9	7.5 7.5	7.5	100.3 99.5	99.9	7.61 7.60	7.61	7.61	2.3 2.3	2.3	2.3	1.3 2.0	1.7	2.1	NE	2.0	No any influencing factor was observed during monitoring.
					Bottom	4.1	17.9 18.0	18.0	35.9 35.9	35.9	7.5 7.5	7.5	99.1 100.4	99.8	7.57 7.62	7.60	7.60	2.1 2.3	2.2							
4-Mar-21	B2	Fine	Moderate	14:16	Surface	1.0	17.5 17.6	17.5	35.8 35.8	35.8	7.5 7.5	7.5	100.2 99.8	100.0	7.78 7.74	7.76	7.76	2.3 2.4	2.4	2.4	1.4 2.2	1.8	2.2	E	2.3	No any influencing factor was observed during monitoring.
					Bottom	3.9	17.4 17.4	17.4	35.8 35.8	35.8	7.5 7.5	7.5	99.3 100.2	99.8	7.70 7.77	7.74	7.74	2.3 2.4	2.4							
6-Mar-21	B2	Fine	Moderate	7:10	Surface	1.0	17.2 17.3	17.2	35.7 35.7	35.7	7.4 7.4	7.4	97.3 97.2	97.3	7.55 7.54	7.55	7.55	2.0 2.0	2.0	2.0	<1.0 <1.0	<1.0	<1.0	NE	2.0	No any influencing factor was observed during monitoring.
					Bottom	4.1	17.2 17.2	17.2	35.7 35.7	35.7	7.4 7.4	7.4	96.7 96.7	96.7	7.50 7.50	7.50	7.50	2.0 2.0	2.0							
9-Mar-21	B2	Fine	Moderate	11:15	Surface	1.0	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	98.2 98.3	98.3	7.57 7.58	7.58	7.58	2.2 2.2	2.2	2.3	1.4 2.5	2.0	2.5	NE	2.1	No any influencing factor was observed during monitoring.
					Bottom	4.2	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	97.8 97.9	97.9	7.54 7.55	7.55	7.55	2.3 2.3	2.3							
11-Mar-21	B2	Fine	Moderate	12:53	Surface	1.0	18.2 18.2	18.2	36.5 36.4	36.4	7.5 7.6	7.6	96.4 97.5	97.0	7.31 7.40	7.36	7.36	3.7 3.8	3.8	4.1	2.2 2.4	2.3	3.3	E	2.4	No any influencing factor was observed during monitoring.
					Bottom	4.1	18.2 18.2	18.2	36.5 36.4	36.4	7.6 7.5	7.5	96.7 95.5	96.1	7.33 7.24	7.29	7.29	4.5 4.5	4.5							
13-Mar-21	B2	Fine	Moderate	14:11	Surface	1.0	18.4 18.4	18.4	36.2 36.2	36.2	7.7 7.7	7.7	99.6 99.7	99.7	7.55 7.55	7.55	7.55	3.4 3.3	3.4	3.3	2.7 2.4	2.6	2.8	E	1.4	No any influencing factor was observed during monitoring.
					Bottom	3.7	18.4 18.4	18.4	36.2 36.2	36.2	7.7 7.7	7.7	98.9 99.2	99.1	7.49 7.51	7.50	7.50	3.4 3.1	3.3							
16-Mar-21	B2	Sunny	Moderate	12:15	Surface	1.0	19.4 19.4	19.4	36.4 36.4	36.4	7.8 7.8	7.8	103.3 103.1	103.2	7.66 7.65	7.66	7.66	2.2 2.1	2.2	2.2	1.4 1.6	1.5	1.7	SE	0.7	No any influencing factor was observed during monitoring.
					Bottom	4.1	19.3 19.4	19.3	36.4 36.3	36.3	7.8 7.8	7.8	102.6 102.8	102.7	7.63 7.63	7.63	7.63	2.2 2.2	2.2							
18-Mar-21	B2	Fine	Moderate	13:34	Surface	1.0	19.7 19.7	19.7	35.8 35.8	35.8	7.7 7.7	7.7	100.5 100.0	100.3	7.45 7.41	7.43	7.43	2.0 1.9	2.0	2.0	1.4 1.6	1.5	1.3	SE	3.0	No any influencing factor was observed during monitoring.
					Bottom	3.9	19.6 19.5	19.5	35.9 35.9	35.9	7.7 7.7	7.7	100.2 98.6	99.4	7.44 7.32	7.38	7.38	2.1 2.0	2.1							
20-Mar-21	B2	Fine	Moderate	14:41	Surface	1.0	20.9 20.9	20.9	36.4 36.4	36.4	7.9 7.9	7.9	108.7 108.9	108.8	7.86 7.86	7.86	7.86	1.8 1.8	1.8	1.8	1.1 1.8	1.5	1.4	E	0.4	No any influencing factor was observed during monitoring.
					Bottom	3.9	19.9 19.9	19.9	36.5 36.5	36.5	7.9 7.9	7.9	106.8 106.6	106.7	7.83 7.84	7.84	7.84	1.8 1.9	1.9							
23-Mar-21	B2	Cloudy	Rough	19:01	Surface	1.0	19.6 19.6	19.6	36.6 36.6	36.6	7.9 7.9	7.9	103.8 103.0	103.4	7.67 7.61	7.64	7.64	2.5 2.3	2.4	2.4	2.6 3.3	3.0	3.7	SE	0.8	No any influencing factor was observed during monitoring.
					Bottom	3.9	19.6 19.6	19.6	36.6 36.6	36.6	7.9 7.9	7.9	102.8 102.9	102.9	7.60 7.60	7.60	7.60	2.5 2.3	2.4							
25-Mar-21	B2	Sunny	Moderate	13:11	Surface	1.0	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	103.5 103.4	103.5	7.64 7.64	7.64	7.64	1.8 1.7	1.8	1.8	1.3 1.6	1.5	1.5	SE	1.0	No any influencing factor was observed during monitoring.
					Bottom	4.0	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	103.2 103.4	103.3	7.63 7.64	7.64	7.64	1.8 1.9	1.9							

*Depth Average

Mid-Flood Tide - B2

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			Wind		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	
27-Feb-21	B2	Cloudy	Rough	8:48	Surface	1.0	17.9	17.9	35.9	35.9	7.5	7.5	98.3	98.4	7.52	7.53	7.53	2.1	2.2	2.4	<1.0	<1.0	<1.0	NE	2.8	No any influencing factor was observed during monitoring.
					Bottom	4.0	18.0	18.0	36.0	36.0	7.5	7.5	99.0	98.8	7.56	7.54	7.54	2.6	2.6		2.3	2.3				
2-Mar-21	B2	Sunny	Moderate	10:22	Surface	1.0	17.9	18.0	35.9	35.9	7.5	7.5	99.7	99.8	7.63	7.62	7.62	2.2	2.2	2.2	<1.0	1.3	1.4	N	3.0	No any influencing factor was observed during monitoring.
					Bottom	4.2	17.9	17.8	35.9	35.9	7.5	7.5	99.5	99.4	7.62	7.61	7.61	2.3	2.3		2.2	2.3				
4-Mar-21	B2	Fine	Moderate	11:15	Surface	1.0	17.3	17.4	35.8	35.8	7.4	7.4	99.3	99.2	7.71	7.70	7.70	2.2	2.2	2.2	1.0	1.6	1.6	NE	2.1	No any influencing factor was observed during monitoring.
					Bottom	4.3	17.3	17.3	35.8	35.8	7.4	7.4	98.7	98.2	7.66	7.65	7.65	2.2	2.1		2.2	2.1				
6-Mar-21	B2	Fine	Moderate	8:45	Surface	1.0	17.3	17.3	35.7	35.7	7.4	7.4	98.1	98.1	7.60	7.61	7.61	2.0	2.1	2.1	<1.0	<1.0	1.2	NE	3.0	No any influencing factor was observed during monitoring.
					Bottom	4.2	17.3	17.3	35.7	35.7	7.4	7.4	97.8	98.0	7.57	7.58	7.58	2.0	2.1		2.1	2.1				
9-Mar-21	B2	Fine	Moderate	12:51	Surface	1.0	17.6	17.6	35.8	35.8	7.6	7.5	97.1	96.3	7.48	7.42	7.42	1.7	1.8	1.8	1.4	1.6	1.6	NE	2.0	No any influencing factor was observed during monitoring.
					Bottom	4.3	17.5	17.6	35.8	35.7	7.3	7.4	91.8	94.5	7.08	7.18	7.18	1.8	1.8		1.7	1.8				
11-Mar-21	B2	Fine	Moderate	15:00	Surface	1.0	17.8	17.8	36.0	36.0	7.4	7.4	96.7	97.2	7.41	7.45	7.45	2.8	2.7	3.2	1.5	2.0	2.3	NE	1.7	No any influencing factor was observed during monitoring.
					Bottom	4.3	17.7	17.7	36.0	36.0	7.4	7.3	97.3	95.9	7.46	7.41	7.41	3.7	3.6		3.7	3.6				
13-Mar-21	B2	Fine	Moderate	16:29	Surface	1.0	18.4	18.4	36.2	36.2	7.7	7.7	99.2	99.5	7.50	7.52	7.52	3.6	3.6	3.6	2.7	2.7	2.7	E	0.2	No any influencing factor was observed during monitoring.
					Bottom	4.0	18.4	18.4	36.2	36.2	7.7	7.7	97.2	99.3	7.35	7.43	7.43	3.5	3.6		3.5	3.7				
16-Mar-21	B2	Sunny	Moderate	9:40	Surface	1.0	19.3	19.3	36.4	36.4	7.8	7.8	103.2	103.0	7.66	7.66	7.66	2.2	2.2	2.3	1.4	1.3	1.7	E	1.2	No any influencing factor was observed during monitoring.
					Bottom	4.1	19.0	19.1	36.4	36.3	7.7	7.7	102.8	102.8	7.68	7.67	7.67	2.5	2.5		2.5	2.5				
18-Mar-21	B2	Fine	Moderate	10:26	Surface	1.0	19.6	19.6	36.0	36.0	7.8	7.8	100.7	100.6	7.46	7.45	7.45	2.0	2.0	1.9	<1.0	<1.0	<1.0	SE	2.8	No any influencing factor was observed during monitoring.
					Bottom	4.0	19.5	19.5	36.0	36.0	7.7	7.8	100.0	100.3	7.43	7.44	7.44	1.8	1.9		1.8	1.9				
20-Mar-21	B2	Fine	Moderate	11:33	Surface	1.0	20.6	20.7	36.3	36.3	7.9	7.9	107.8	107.8	7.81	7.81	7.81	1.8	1.8	1.9	1.8	1.7	1.8	SE	0.5	No any influencing factor was observed during monitoring.
					Bottom	4.1	19.8	19.8	36.4	36.4	7.9	7.9	106.0	105.5	7.79	7.78	7.78	1.9	2.0		1.9	2.0				
23-Mar-21	B2	Cloudy	Rough	10:45	Surface	1.0	19.5	19.5	36.6	36.6	7.9	7.9	102.1	102.3	7.55	7.56	7.56	2.2	2.3	2.3	3.4	3.4	2.7	E	1.3	No any influencing factor was observed during monitoring.
					Bottom	4.1	19.6	19.6	36.6	36.6	7.9	7.9	102.1	102.1	7.54	7.54	7.54	2.3	2.4		2.3	2.4				
25-Mar-21	B2	Sunny	Moderate	10:02	Surface	1.0	19.6	19.6	36.5	36.5	7.9	7.9	103.4	103.2	7.63	7.62	7.62	1.5	1.55	1.6	<1.0	<1.0	1.5	SE	1.2	No any influencing factor was observed during monitoring.
					Bottom	4.2	19.6	19.6	36.5	36.5	7.8	7.9	103.2	103.5	7.62	7.63	7.63	1.5	1.55		1.5	1.55				

*Depth Average

Mid-Ebb Tide - C3

<1.0

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solid (mg/m3)			Wind		Remark									
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		Direction	Speed (m/s)							
					Surface	Middle	Bottom	Surface	Middle	Bottom	Surface	Middle	Bottom	Surface	Middle	Bottom	Surface	Middle	Bottom	Surface	Middle	Bottom	Surface	Middle	Bottom		Surface	Middle	Bottom						
27-Feb-21	C3	Cloudy	Rough	13:56	Surface	1.0	18.0 18.0	18.0	35.6 35.5	35.6	7.5 7.5	7.5	98.6 98.7	98.7	7.53 7.53	7.53	7.52	2.6 2.6	2.6	2.7	2.7	2.7	1.1 1.0	1.1	1.0	NE	3.1	No any influencing factor was observed during monitoring.							
					Middle	29.8	17.9 17.8	17.9	36.4 36.3	36.3	7.5 7.5	7.5	98.4 98.5	98.5	7.51 7.51	7.51	2.6 2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7					2.7	2.7	2.7	2.7			
					Bottom	58.6	17.7 17.7	17.7	36.4 36.4	36.4	7.5 7.5	7.5	98.4 98.2	98.3	7.51 7.49	7.50	7.50	2.8 2.6	2.7	2.7	2.7	2.7	2.7	2.7					2.7	2.7	2.7	2.7	2.7	2.7	2.7
2-Mar-21	C3	Sunny	Moderate	15:38	Surface	1.0	18.1 18.1	18.1	35.6 35.6	35.6	7.4 7.4	7.4	96.7 96.8	96.8	7.38 7.40	7.39	7.37	2.2 2.1	2.2	2.2	2.2	2.2	2.5 1.5	2.0	1.8	NE	3.1	No any influencing factor was observed during monitoring.							
					Middle	29.5	17.8 17.8	17.8	35.9 36.0	35.9	7.4 7.4	7.4	96.0 96.1	96.1	7.35 7.36	7.36	2.3 2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3					2.3	2.3	2.3	2.3	2.3		
					Bottom	58.0	17.8 17.8	17.8	36.0 36.0	36.0	7.4 7.4	7.4	95.6 95.6	95.6	7.33 7.33	7.33	7.33	2.6 2.6	2.6	2.6	2.6	2.6	2.6	2.6					2.6	2.6	2.6	2.6	2.6	2.6	2.6
4-Mar-21	C3	Fine	Moderate	17:13	Surface	1.0	17.4 17.4	17.4	35.6 35.6	35.6	7.4 7.4	7.4	99.1 99.3	99.2	7.69 7.71	7.70	7.64	2.1 2.2	2.2	2.2	2.2	2.2	1.5 1.8	1.7	2.2	E	3.8	No any influencing factor was observed during monitoring.							
					Middle	29.7	17.3 17.3	17.3	35.8 35.8	35.8	7.4 7.4	7.4	97.6 97.7	97.7	7.58 7.59	7.59	2.2 2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3					2.3	2.3	2.3	2.3	2.3	2.3	
					Bottom	58.4	17.3 17.3	17.3	35.8 35.8	35.8	7.4 7.4	7.4	98.6 98.2	98.4	7.66 7.63	7.65	7.65	2.3 2.3	2.3	2.3	2.3	2.3	2.3	2.3					2.3	2.3	2.3	2.3	2.3	2.3	2.3
6-Mar-21	C3	Fine	Moderate	4:04	Surface	1.0	17.3 17.2	17.2	35.7 35.7	35.7	7.5 7.5	7.5	97.8 97.5	97.7	7.58 7.57	7.58	7.56	2.0 1.9	2.0	2.0	2.0	2.0	2.0	2.0	1.7	1.7	1.4	NE	3.4	No any influencing factor was observed during monitoring.					
					Middle	29.5	17.2 17.2	17.2	35.7 35.7	35.7	7.5 7.5	7.5	97.1 97.3	97.2	7.54 7.55	7.55	2.0 1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0					2.0	2.0	2.0	2.0	2.0
					Bottom	58.0	17.2 17.2	17.2	35.7 35.7	35.7	7.5 7.5	7.5	97.1 96.8	97.0	7.53 7.51	7.52	7.52	2.0 2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0					2.0	2.0	2.0	2.0	2.0
9-Mar-21	C3	Fine	Moderate	8:33	Surface	1.0	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	98.0 97.7	97.9	7.56 7.53	7.55	7.50	2.4 2.3	2.4	2.4	2.4	2.4	2.4	2.8	2.7	2.2	NE	4.0	No any influencing factor was observed during monitoring.						
					Middle	29.9	17.4 17.4	17.4	35.9 35.9	35.9	7.8 7.8	7.8	96.7 96.5	96.6	7.46 7.45	7.46	2.4 2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5					2.5	2.5	2.5	2.5	2.5	
					Bottom	58.7	17.4 17.4	17.4	36.0 36.0	36.0	7.8 7.8	7.8	95.7 96.6	96.2	7.38 7.46	7.42	7.42	3.2 3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1					3.1	3.1	3.1	3.1	3.1	3.1
11-Mar-21	C3	Fine	Moderate	10:13	Surface	1.0	17.6 17.6	17.6	36.0 36.0	36.0	7.8 7.7	7.7	97.9 97.2	97.6	7.53 7.48	7.51	7.46	2.6 2.9	2.8	2.8	2.8	2.8	2.2	2.1	2.2	NE	1.6	No any influencing factor was observed during monitoring.							
					Middle	29.8	17.6 17.6	17.6	36.1 36.1	36.1	7.8 7.7	7.8	96.6 96.4	96.5	7.42 7.41	7.42	2.9 2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0					3.0	3.0	3.0	3.0	3.0		
					Bottom	58.6	17.6 17.6	17.6	36.1 36.1	36.1	7.8 7.7	7.7	96.4 96.0	96.2	7.41 7.38	7.40	7.40	3.3 3.3	3.3	3.3	3.3	3.3	3.3	3.3					3.3	3.3	3.3	3.3	3.3	3.3	3.3
13-Mar-21	C3	Fine	Moderate	11:26	Surface	1.0	18.3 18.3	18.3	36.1 36.1	36.1	7.7 7.7	7.7	98.7 98.4	98.6	7.48 7.46	7.47	7.40	3.6 3.5	3.6	3.6	3.6	3.6	3.4	3.4	2.6	E	0.3	No any influencing factor was observed during monitoring.							
					Middle	29.9	18.2 18.2	18.2	36.2 36.2	36.2	7.7 7.7	7.7	96.4 96.7	96.6	7.32 7.34	7.33	4.2 4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2					4.2	4.2	4.2	4.2			
					Bottom	58.9	18.2 18.2	18.2	36.2 36.2	36.2	7.7 7.7	7.7	95.4 97.0	96.2	7.24 7.36	7.30	7.30	5.2 5.0	5.1	5.1	5.1	5.1	5.1	5.1					5.1	5.1	5.1	5.1	5.1	5.1	
16-Mar-21	C3	Sunny	Moderate	15:22	Surface	1.0	19.4 19.4	19.4	35.9 35.9	35.9	7.9 7.9	7.9	100.5 100.3	100.4	7.47 7.46	7.47	7.44	2.2 2.2	2.2	2.2	2.2	2.2	3.1 2.6	2.9	2.2	E	3.6	No any influencing factor was observed during monitoring.							
					Middle	30.1	19.0 19.0	19.0	36.2 36.2	36.2	8.0 7.9	8.0	99.1 98.9	99.0	7.41 7.41	7.41	2.3 2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4					2.4	2.4	2.4	2.4			
					Bottom	59.3	18.9 18.9	18.9	36.3 36.3	36.3	8.0 7.9	7.9	98.5 98.4	98.5	7.37 7.36	7.37	7.37	2.3 2.3	2.3	2.3	2.3	2.3	2.3	2.3					2.3	2.3	2.3	2.3	2.3	2.3	
18-Mar-21	C3	Fine	Moderate	16:38	Surface	1.0	19.6 19.7	19.6	35.9 35.8	35.8	7.8 7.8	7.8	102.2 101.3	101.8	7.58 7.50	7.54	7.44	2.1 2.0	2.1	2.1	2.1	2.1	<1.0 <1.0	1.0	1.1	E	1.4	No any influencing factor was observed during monitoring.							
					Middle	29.9	19.4 19.4	19.4	36.1 36.1	36.1	7.8 7.8	7.8	98.6 98.5	98.6	7.34 7.32	7.33	2.2 2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1					2.1	2.1	2.1	2.1			
					Bottom	58.7	19.4 19.4	19.4	36.1 36.2	36.1	7.8 7.8	7.8	98.7 98.5	98.6	7.34 7.32	7.33	7.33	2.5 2.3	2.4	2.4	2.4	2.4	2.4	2.4					2.4	2.4	2.4	2.4	2.4	2.4	
20-Mar-21	C3	Fine	Moderate	17:48	Surface	1.0	20.4 20.4	20.4	36.1 36.1	36.1	8.0 8.0	8.0	106.5 106.2	106.4	7.78 7.76	7.77	7.70	1.7 1.6	1.7	1.7	1.7	1.7	1.2 1.6	1.4	1.6	E	1.9	No any influencing factor was observed during monitoring.							
					Middle	30.2	19.9 19.9	19.9	36.8 36.8	36.8	8.0 8.0	8.0	104.0 104.0	104.0	7.63 7.64	7.64	1.6 1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0					2.0	2.0	2.0	2.0			
					Bottom	59.4	19.7 19.7	19.7	36.9 36.9	36.9	8.0 8.0	8.0	102.3 102.5	102.4	7.50 7.52	7.51	7.51	2.5 2.3	2.4	2.4	2.4	2.4	2.4	2.4					2.4	2.4	2.4	2.4	2.4	2.4	
23-Mar-21	C3	Cloudy	Rough	22:08	Surface	1.0	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	101.1 101.1	101.1	7.47 7.47	7.47	7.45	2.2 2.1	2.2	2.2	2.2	2.2	4.1 4.0	4.1	3.8	E	3.7	No any influencing factor was observed during monitoring.							
					Middle	29.0	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	100.6 100.8	100.7	7.43 7.44	7.44	2.2 2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3					2.3	2.3	2.3	2.3			
					Bottom	57.0	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	100.8 100.5	100.7	7.45 7.42	7.44	7.44	2.3 2.3	2.3	2.3	2.3	2.3	2.3	2.3					2.3	2.3	2.3	2.3	2.3	2.3	
25-Mar-21	C3	Sunny	Moderate	16:24	Surface	1.0	19.7 19.6	19.7	36.5 36.5	36.5	7.9 7.9	7.9	102.8 101.8	102.3	7.59 7.54	7.57	7.54	1.7 1.9	1.8	1.8	1.8	1.8	1.2 1.9	1.6	1.6	E	3.9	No any influencing factor was observed during monitoring.							
					Middle	30.1	19.5 19.5	19.5	36.5 36.5	36.5	8.0 8.0	7.9	101.8 101.6	101.7	7.51 7.52	7.52	1.8 1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8					1.8	1.8	1.8	1.8			
					Bottom	59.2	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	100.9 100.3	100.6	7.47 7.43	7.45	7.45	1.8 1.8	1.8	1.8	1.8	1.8	1.8	1.8					1.8	1.8	1.8	1.8	1.8		

*Depth Average

Mid-Flood Tide - C3

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Wind		Remark
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
27-Feb-21	C3	Cloudy	Rough	5:44	Surface	1.0	18.0 18.0	18.0	35.9 35.9	35.9	7.5 7.5	7.5	98.1 98.1	98.1	7.51 7.50	7.51	7.50	1.7 1.8	1.8	2.0	1.0 1.5	1.3	1.1	N	2.8	No any influencing factor was observed during monitoring.
					Middle	30.2	17.8 17.9	17.9	36.0 35.9	35.9	7.5 7.5	7.5	97.9 98.0	98.0	7.49 7.49	7.49	1.9 1.9	1.9	1.1 1.1		1.1					
					Bottom	59.5	17.5 17.6	17.5	36.0 36.0	36.0	7.5 7.5	7.5	97.9 97.9	97.9	7.48 7.47	7.48	2.2 2.3	2.3	<1.0 <1.0		<1.0					
2-Mar-21	C3	Sunny	Moderate	7:21	Surface	1.0	18.2 18.3	18.3	35.8 35.8	35.8	7.6 7.6	7.6	100.0 100.1	100.1	7.61 7.61	7.61	1.7 1.8	1.8	2.0	1.4 2.3	1.9	1.5	N	4.0	No any influencing factor was observed during monitoring.	
					Middle	30.5	17.7 17.7	17.7	35.9 36.0	35.9	7.6 7.6	7.6	98.5 98.2	98.4	7.57 7.55	7.56	2.2 2.1	2.2		1.6 1.4	1.5					
					Bottom	60.1	17.7 17.7	17.7	36.0 36.0	36.0	7.6 7.6	7.6	97.9 98.0	98.0	7.52 7.53	7.53	2.2 2.2	2.2		1.1 1.4	1.3					
4-Mar-21	C3	Fine	Moderate	8:26	Surface	1.0	17.5 17.5	17.5	35.7 35.7	35.7	7.6 7.6	7.6	99.6 99.6	99.6	7.73 7.73	7.73	2.5 2.5	2.5	2.9	2.3 1.4	1.9	1.6	NE	3.8	No any influencing factor was observed during monitoring.	
					Middle	29.9	17.2 17.2	17.2	35.8 35.8	35.8	7.6 7.6	7.6	98.1 98.6	98.4	7.61 7.65	7.63	2.6 2.6	2.6		1.3 1.6	1.5					
					Bottom	58.8	17.2 17.2	17.2	35.8 35.8	35.8	7.6 7.7	7.6	98.4 98.1	98.3	7.64 7.61	7.63	3.6 3.4	3.5		1.3 1.4	1.4					
6-Mar-21	C3	Fine	Moderate	13:06	Surface	1.0	17.5 17.5	17.5	35.7 35.7	35.7	7.3 7.3	7.3	97.7 98.0	97.9	7.58 7.56	7.57	1.9 1.9	1.9	2.0	1.4 1.8	1.6	1.6	N	3.3	No any influencing factor was observed during monitoring.	
					Middle	30.0	17.3 17.3	17.3	35.7 35.7	35.7	7.4 7.3	7.3	97.4 97.0	97.2	7.55 7.51	7.53	2.0 2.0	2.0		1.3 1.7	1.5					
					Bottom	59.0	17.2 17.2	17.2	35.7 35.7	35.7	7.4 7.3	7.3	96.7 96.2	96.5	7.50 7.46	7.48	2.0 2.1	2.1		1.4 1.9	1.7					
9-Mar-21	C3	Fine	Moderate	15:54	Surface	1.0	17.6 17.7	17.7	35.7 35.7	35.7	7.8 7.8	7.8	99.8 98.3	99.1	7.68 7.56	7.62	2.0 1.8	1.9	2.3	2.2 2.8	2.5	2.1	NE	3.9	No any influencing factor was observed during monitoring.	
					Middle	30.0	17.5 17.5	17.5	35.8 35.8	35.8	7.8 7.8	7.8	96.9 97.1	97.0	7.48 7.49	7.49	2.5 2.3	2.4		1.6 2.4	2.0					
					Bottom	59.0	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	96.9 96.8	96.9	7.48 7.47	7.48	2.5 2.5	2.5		1.5 1.9	1.7					
11-Mar-21	C3	Fine	Moderate	17:50	Surface	1.0	17.9 17.8	17.8	36.0 36.0	36.0	7.8 7.8	7.8	98.1 98.8	98.5	7.51 7.56	7.54	2.4 2.3	2.4	2.7	2.4 1.5	2.0	1.5	E	3.8	No any influencing factor was observed during monitoring.	
					Middle	29.9	17.8 17.8	17.8	36.0 36.0	36.0	7.8 7.8	7.8	96.8 96.7	96.8	7.42 7.41	7.42	2.4 2.7	2.6		1.0 1.7	1.4					
					Bottom	58.8	17.8 17.8	17.8	36.1 36.1	36.1	7.8 7.8	7.8	97.3 96.5	96.9	7.45 7.39	7.42	2.9 3.2	3.1		1.6 1.0	1.3					
13-Mar-21	C3	Fine	Moderate	19:12	Surface	1.0	18.5 18.5	18.5	36.0 36.0	36.0	7.8 7.8	7.8	100.8 100.5	100.7	7.62 7.60	7.61	2.5 2.6	2.6	3.0	3.3 3.8	3.6	3.0	N	0.9	No any influencing factor was observed during monitoring.	
					Middle	29.8	18.4 18.4	18.4	36.3 36.2	36.3	7.8 7.8	7.8	99.0 98.7	98.9	7.49 7.47	7.48	3.0 3.2	3.1		3.0 2.7	2.9					
					Bottom	58.6	18.4 18.4	18.4	36.3 36.3	36.3	7.8 7.8	7.8	98.5 98.6	98.6	7.45 7.46	7.46	3.2 3.2	3.2		2.6 2.3	2.5					
16-Mar-21	C3	Sunny	Moderate	6:47	Surface	1.0	19.3 19.4	19.3	35.7 35.8	35.7	7.8 7.8	7.8	100.7 101.0	100.9	7.51 7.52	7.52	2.3 2.4	2.4	2.9	<1.0 <1.0	<1.0	1.0	E	3.7	No any influencing factor was observed during monitoring.	
					Middle	30.5	18.9 18.9	18.9	36.4 36.4	36.4	7.8 7.8	7.8	99.1 99.4	99.3	7.42 7.44	7.43	3.2 3.3	3.3		<1.0 <1.0	<1.0					
					Bottom	60.0	19.0 19.0	19.0	36.3 36.3	36.3	7.8 7.8	7.8	99.0 99.1	99.1	7.41 7.41	7.41	3.3 3.1	3.2		<1.0 1.0	1.0					
18-Mar-21	C3	Fine	Moderate	7:39	Surface	1.0	19.6 19.6	19.6	36.0 36.0	36.0	7.8 7.8	7.8	102.1 102.2	102.2	7.56 7.57	7.57	1.7 1.8	1.8	1.8	1.0 1.4	1.2	1.1	E	3.6	No any influencing factor was observed during monitoring.	
					Middle	29.8	19.4 19.4	19.4	36.1 36.1	36.1	7.8 7.8	7.8	100.2 100.2	100.2	7.44 7.45	7.45	1.7 1.8	1.8		<1.0 <1.0	<1.0					
					Bottom	58.5	19.4 19.4	19.4	36.1 36.1	36.1	7.8 7.8	7.8	100.2 99.8	100.0	7.44 7.41	7.43	1.7 1.8	1.8		<1.0 <1.0	<1.0					
20-Mar-21	C3	Fine	Moderate	7:43	Surface	1.0	20.0 20.0	20.0	35.9 36.0	36.0	7.9 7.9	7.9	104.4 104.4	104.4	7.67 7.69	7.68	1.7 1.8	1.8	2.2	2.3 1.7	2.0	1.7	E	1.9	No any influencing factor was observed during monitoring.	
					Middle	30.2	19.7 19.7	19.7	36.3 36.3	36.3	8.0 8.0	8.0	102.8 103.1	103.0	7.57 7.59	7.58	2.0 2.0	2.0		1.6 1.4	1.5					
					Bottom	59.4	19.4 19.4	19.4	36.7 36.6	36.6	8.0 8.0	8.0	101.2 101.5	101.4	7.44 7.46	7.45	3.0 2.9	3.0		1.9 1.4	1.7					
23-Mar-21	C3	Cloudy	Rough	6:42	Surface	1.0	19.7 19.7	19.7	36.6 36.6	36.6	7.8 7.8	7.8	101.3 101.3	101.3	7.47 7.47	7.47	1.9 1.8	1.9	2.0	2.1 1.8	2.0	2.4	E	3.8	No any influencing factor was observed during monitoring.	
					Middle	29.5	19.7 19.7	19.7	36.6 36.6	36.6	7.9 7.9	7.9	100.8 100.3	100.6	7.43 7.40	7.42	2.0 2.0	2.0		2.4 2.6	2.5					
					Bottom	58.1	19.7 19.7	19.7	36.6 36.6	36.6	7.9 7.8	7.8	100.2 99.3	99.8	7.39 7.33	7.36	2.0 2.0	2.0		3.0 2.7	2.9					
25-Mar-21	C3	Sunny	Moderate	7:07	Surface	1.0	19.6 19.7	19.7	36.5 36.5	36.5	7.9 7.9	7.9	100.8 101.2	101.0	7.44 7.47	7.46	2.2 2.3	2.25	2.3	1.9 1.4	1.7	1.4	SE	3.5	No any influencing factor was observed during monitoring.	
					Middle	30.0	19.5 19.5	19.5	36.4 36.5	36.4	7.9 7.9	7.9	100.0 99.9	100.0	7.40 7.39	7.40	2.2 2.2	2.20		1.9 1.2	1.6					
					Bottom	59.0	19.5 19.5	19.5	36.4 36.5	36.4	7.9 7.9	7.9	99.6 99.4	99.5	7.38 7.36	7.37	2.4 2.2	2.30		<1.0 <1.0	<1.0					

*Depth Average

Mid-Ebb Tide - C4

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solid (mg/m3)			Wind		Remark					
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (m/s)						
27-Feb-21	C4	Cloudy	Rough	14:21	Surface	1.0	18.0 18.0	18.0	35.6 35.5	35.5	7.5 7.4	7.4	98.6 98.8	98.7	7.52 7.54	7.53	7.52	2.5 2.4	2.5	2.5	2.5 2.4	2.5	2.5	<1.0 <1.0	<1.0	1.0	NE	3.5	No any influencing factor was observed during monitoring.		
					Middle	23.0	18.0 18.0	18.0	36.2 36.3	36.3	7.4 7.5	7.4	98.4 98.5	98.5	7.51 7.51	7.51		2.4 2.6	2.5		2.4 2.6	2.5		<1.0 <1.0	<1.0						
					Bottom	45.1	17.8 17.9	17.9	36.4 36.3	36.4	7.5 7.4	7.4	98.4 98.3	98.4	7.51 7.50	7.51		2.6 2.6	2.6		2.6 2.6	2.6		<1.0 <1.0	<1.0						
2-Mar-21	C4	Sunny	Moderate	16:08	Surface	1.0	18.1 18.1	18.1	35.6 35.6	35.6	7.4 7.4	7.4	96.9 97.2	97.1	7.40 7.42	7.41	7.38	1.9 2.0	2.0	2.1	1.9 2.0	2.0	2.1	1.0 1.4	1.2	2.2	E	3.6	No any influencing factor was observed during monitoring.		
					Middle	23.5	17.8 17.8	17.8	35.9 35.9	35.9	7.4 7.4	7.4	95.9 95.8	95.9	7.34 7.34	7.34		2.2 2.3	2.3		2.2 2.3	2.3		2.4 2.9	2.7					2.4 2.9	2.7
					Bottom	46.0	17.9 17.9	17.9	36.0 36.0	36.0	7.4 7.4	7.4	95.8 95.7	95.8	7.33 7.33	7.33		7.33 7.33	7.33		2.2 2.2	2.2		2.2 2.2	2.2					2.2 3.0	2.9
4-Mar-21	C4	Fine	Moderate	17:43	Surface	1.0	17.4 17.4	17.4	35.6 35.7	35.6	7.4 7.4	7.4	99.2 99.3	99.3	7.70 7.71	7.71	7.65	2.0 2.1	2.1	2.2	2.0 2.1	2.1	2.2	2.0 2.2	2.1	1.7	NE	3.6	No any influencing factor was observed during monitoring.		
					Middle	23.5	17.3 17.3	17.3	35.8 35.8	35.8	7.4 7.4	7.4	98.0 97.7	97.9	7.61 7.58	7.60		2.1 2.2	2.2		2.1 2.2	2.2		1.5 2.0	1.8					2.0 2.2	1.8
					Bottom	46.0	17.3 17.3	17.3	35.8 35.8	35.8	7.4 7.4	7.4	98.3 98.4	98.4	7.63 7.64	7.64		7.63 7.64	7.64		2.4 2.5	2.5		2.4 2.5	2.5					1.4 1.3	1.4
6-Mar-21	C4	Fine	Moderate	3:33	Surface	1.0	17.3 17.3	17.3	35.7 35.7	35.7	7.6 7.5	7.6	98.1 97.8	98.0	7.60 7.58	7.59	7.58	1.9 1.8	1.9	1.8	1.9 1.8	1.9	1.8	2.1 1.8	2.0	1.5	N	3.1	No any influencing factor was observed during monitoring.		
					Middle	23.5	17.2 17.2	17.2	35.7 35.7	35.7	7.5 7.6	7.5	97.3 97.6	97.5	7.55 7.57	7.56		1.8 1.8	1.8		1.8 1.8	1.8		1.4 1.4	1.4						
					Bottom	46.0	17.2 17.2	17.2	35.7 35.7	35.7	7.5 7.6	7.6	96.8 96.9	96.9	7.52 7.52	7.52		7.52 7.52	7.52		1.7 1.8	1.8		1.7 1.8	1.8					1.2 1.3	1.3
9-Mar-21	C4	Fine	Moderate	8:09	Surface	1.0	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.7	7.7	97.7 97.8	97.8	7.53 7.53	7.53	7.47	2.3 2.2	2.3	2.5	2.3 2.2	2.3	2.5	1.4 2.0	1.7	2.2	E	3.6	No any influencing factor was observed during monitoring.		
					Middle	23.8	17.4 17.4	17.4	35.9 35.9	35.9	7.7 7.8	7.7	95.7 96.2	96.0	7.39 7.42	7.41		2.5 2.6	2.6		2.5 2.6	2.6		1.9 2.4	2.2					2.4 2.6	2.2
					Bottom	46.6	17.4 17.4	17.4	36.0 36.0	36.0	7.7 7.7	7.7	96.0 95.1	95.6	7.41 7.34	7.38		7.38 7.38	7.38		2.8 2.6	2.7		2.8 2.6	2.7					3.0 2.6	2.8
11-Mar-21	C4	Fine	Moderate	9:44	Surface	1.0	17.6 17.6	17.6	36.0 36.0	36.0	7.7 7.7	7.7	97.6 97.1	97.4	7.50 7.47	7.49	7.44	2.7 2.6	2.7	3.2	2.7 2.6	2.7	3.2	1.8 2.6	2.2	2.2	NE	2.3	No any influencing factor was observed during monitoring.		
					Middle	23.8	17.7 17.7	17.7	36.1 36.1	36.1	7.7 7.6	7.7	96.2 96.7	96.5	7.38 7.41	7.40		3.2 3.4	3.3		3.2 3.4	3.3		1.7 2.5	2.1					2.5 3.4	2.1
					Bottom	46.6	17.7 17.8	17.7	36.1 36.2	36.2	7.7 7.7	7.7	96.1 97.0	96.6	7.37 7.43	7.40		7.40 7.40	7.40		3.4 3.7	3.6		3.4 3.7	3.6					2.6 1.8	2.2
13-Mar-21	C4	Fine	Moderate	10:53	Surface	1.0	18.3 18.3	18.3	36.1 36.1	36.1	7.7 7.7	7.7	99.1 99.0	99.1	7.51 7.50	7.51	7.45	3.3 3.3	3.3	3.5	3.3 3.3	3.3	3.5	3.1 3.4	3.3	2.7	N/A	0.0	No any influencing factor was observed during monitoring.		
					Middle	23.7	18.2 18.2	18.2	36.2 36.2	36.2	7.7 7.7	7.7	97.4 97.7	97.6	7.39 7.41	7.40		3.6 3.6	3.6		3.6 3.6	3.6		2.8 2.5	2.7					2.8 2.5	2.7
					Bottom	46.3	18.2 18.2	18.2	36.2 36.2	36.2	7.7 7.7	7.7	97.7 98.9	98.3	7.42 7.51	7.47		7.47 7.51	7.47		3.7 3.6	3.7		3.7 3.6	3.7					2.0 2.4	2.2
16-Mar-21	C4	Sunny	Moderate	15:52	Surface	1.0	19.4 19.4	19.4	35.9 35.9	35.9	7.8 7.8	7.8	100.2 100.6	100.4	7.46 7.48	7.47	7.43	2.2 2.3	2.3	2.4	2.2 2.3	2.3	2.4	1.4 1.2	1.3	1.1	E	3.8	No any influencing factor was observed during monitoring.		
					Middle	23.6	18.9 19.0	18.9	36.3 36.3	36.3	7.8 7.9	7.8	98.8 98.6	98.7	7.39 7.38	7.39		2.5 2.5	2.5		2.5 2.5	2.5		1.1 1.0	1.1					1.1 1.0	1.1
					Bottom	46.2	18.9 18.9	18.9	36.3 36.3	36.3	7.8 7.8	7.8	98.3 98.0	98.2	7.36 7.33	7.35		7.35 7.35	7.35		2.5 2.5	2.5		2.5 2.5	2.5					<1.0 <1.0	<1.0
18-Mar-21	C4	Fine	Moderate	17:03	Surface	1.0	19.7 19.7	19.7	35.8 35.8	35.8	7.7 7.8	7.8	100.8 101.6	101.2	7.47 7.52	7.50	7.40	1.8 2.0	1.9	1.9	1.8 2.0	1.9	1.9	1.5 1.3	1.4	1.1	SE	2.2	No any influencing factor was observed during monitoring.		
					Middle	24.0	19.3 19.3	19.3	36.1 36.1	36.1	7.7 7.8	7.8	98.1 98.3	98.2	7.30 7.31	7.31		1.9 2.0	2.0		1.9 2.0	2.0		<1.0 <1.0	<1.0					<1.0 <1.0	<1.0
					Bottom	47.0	19.3 19.3	19.3	36.2 36.1	36.1	7.8 7.7	7.7	97.6 97.0	97.3	7.27 7.22	7.25		7.25 7.25	7.25		2.0 1.9	2.0		2.0 1.9	2.0					<1.0 <1.0	<1.0
20-Mar-21	C4	Fine	Moderate	18:21	Surface	1.0	20.3 20.3	20.3	36.2 36.2	36.2	7.9 8.0	7.9	105.9 106.3	106.1	7.75 7.77	7.76	7.69	1.7 1.7	1.7	2.0	1.7 1.7	1.7	2.0	1.4 1.5	1.5	1.8	E	1.6	No any influencing factor was observed during monitoring.		
					Middle	24.0	19.9 19.9	19.9	36.7 36.7	36.7	8.0 8.0	8.0	103.8 104.0	103.9	7.62 7.63	7.63		1.9 1.8	1.9		1.9 1.8	1.9		2.0 1.7	1.9						
					Bottom	47.0	19.7 19.7	19.7	36.8 36.8	36.8	8.0 8.0	8.0	102.8 102.4	102.6	7.54 7.51	7.53		7.53 7.53	7.53		2.3 2.5	2.4		2.3 2.5	2.4					1.8 2.1	2.0
23-Mar-21	C4	Cloudy	Rough	22:38	Surface	1.0	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	101.4 101.3	101.4	7.49 7.48	7.49	7.48	2.2 2.2	2.2	2.3	2.2 2.2	2.2	2.3	1.7 1.8	1.8	2.7	E	3.9	No any influencing factor was observed during monitoring.		
					Middle	22.5	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	101.2 101.2	101.2	7.47 7.47	7.47		2.4 2.3	2.4		2.4 2.3	2.4		2.3 2.6	2.5						
					Bottom	44.0	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	100.8 100.8	100.8	7.44 7.44	7.44		7.44 7.44	7.44		2.4 2.3	2.4		2.4 2.3	2.4					4.2 3.5	3.9
25-Mar-21	C4	Sunny	Moderate	16:51	Surface	1.0	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	102.5 102.4	102.5	7.56 7.56	7.56	7.54	1.9 1.8	1.9	1.8	1.9 1.8	1.9	1.8	1.1 1.8	1.5	1.7	E	3.6	No any influencing factor was observed during monitoring.		
					Middle	24.0	19.5 19.5	19.5	36.5 36.5	36.5	8.0 8.0	8.0	101.4 101.4	101.4	7.51 7.51	7.51		1.8 1.8	1.8		1.8 1.8	1.8		1.9 1.8	1.9						
					Bottom	47.0	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	100.9 101.1	101.0	7.46 7.48	7.47		7.47 7.48	7.47		1.8 1.8	1.8		1.8 1.8	1.8					2.0 1.4	1.7

*Depth Average

Mid-Ebb Tide - F1

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solid (mg/m3)			Wind		Remark
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (m/s)	
27-Feb-21	F1	Cloudy	Rough	13:28	Surface	1.0	18.0 18.0	18.0	35.5 35.5	35.5	7.5 7.5	7.5	98.6 98.8	98.7	7.52 7.54	7.53	2.5 2.3	2.4	2.4	2.5 2.4	2.5	1.1	NE	3.4	No any influencing factor was observed during monitoring.	
					Middle	29.5	17.8 17.9	17.9	36.3 36.3	36.3	7.5 7.5	7.5	98.5 98.6	98.6	7.52 7.52	7.52	2.5 2.5	2.5		<1.0 <1.0	<1.0					
					Bottom	58.1	17.6 17.7	17.6	36.3 36.4	36.4	7.5 7.5	7.5	98.4 98.4	98.4	7.51 7.51	7.51	2.5 2.4	2.5		<1.0 <1.0	<1.0					
2-Mar-21	F1	Sunny	Moderate	15:18	Surface	1.0	18.1 18.2	18.1	35.6 35.5	35.5	7.4 7.4	7.4	97.3 97.3	97.3	7.43 7.43	7.43	2.0 1.8	1.9	2.3	2.7 2.0	2.4	2.0	NE	2.6	No any influencing factor was observed during monitoring.	
					Middle	30.1	17.8 17.8	17.8	36.0 36.0	36.0	7.4 7.4	7.4	95.9 96.1	96.0	7.35 7.36	7.36	2.5 2.6	2.6		1.6 2.8	2.2					
					Bottom	59.2	17.8 17.8	17.8	36.0 36.0	36.0	7.4 7.4	7.4	95.5 95.8	95.7	7.32 7.34	7.33	2.5 2.5	2.5		1.0 1.8	1.4					
4-Mar-21	F1	Fine	Moderate	16:56	Surface	1.0	17.4 17.5	17.4	35.6 35.6	35.6	7.4 7.4	7.4	99.5 99.2	99.4	7.73 7.71	7.72	2.5 2.4	2.5	2.5	2.5 2.2	2.4	2.0	E	3.0	No any influencing factor was observed during monitoring.	
					Middle	30.1	17.3 17.3	17.3	35.8 35.8	35.8	7.4 7.4	7.4	97.7 98.0	97.9	7.59 7.61	7.60	2.3 2.2	2.3		2.0 2.0	2.0					
					Bottom	59.2	17.3 17.3	17.3	35.8 35.8	35.8	7.4 7.4	7.4	98.4 98.0	98.2	7.64 7.61	7.63	2.7 3.0	2.9		1.6 1.8	1.7					
6-Mar-21	F1	Fine	Moderate	4:28	Surface	1.0	17.3 17.3	17.3	35.7 35.7	35.7	7.5 7.6	7.5	98.1 98.1	98.1	7.60 7.60	7.60	1.9 1.8	1.9	1.9	1.3 1.7	1.5	1.3	NE	3.1	No any influencing factor was observed during monitoring.	
					Middle	29.7	17.2 17.2	17.2	35.7 35.7	35.7	7.5 7.6	7.6	97.3 97.8	97.6	7.55 7.58	7.57	1.9 1.8	1.9		1.3 1.6	1.5					
					Bottom	58.5	17.2 17.2	17.2	35.7 35.7	35.7	7.6 7.6	7.6	97.2 97.1	97.2	7.55 7.54	7.55	1.9 2.0	2.0		<1.0 <1.0	<1.0					
9-Mar-21	F1	Fine	Moderate	8:53	Surface	1.0	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	98.0 97.8	97.9	7.55 7.53	7.54	2.3 2.1	2.2	2.6	2.2 2.7	2.5	2.2	NE	3.0	No any influencing factor was observed during monitoring.	
					Middle	30.0	17.4 17.4	17.4	36.0 36.0	36.0	7.8 7.8	7.8	95.8 96.1	96.0	7.39 7.42	7.41	2.4 2.5	2.5		2.0 2.2	2.1					
					Bottom	59.0	17.4 17.5	17.4	36.0 36.0	36.0	7.8 7.8	7.8	96.3 96.0	96.2	7.43 7.40	7.42	3.3 3.2	3.3		1.6 2.3	2.0					
11-Mar-21	F1	Fine	Moderate	10:30	Surface	1.0	17.6 17.6	17.6	36.0 36.0	36.0	7.8 8.0	7.9	97.2 97.0	97.1	7.48 7.46	7.47	2.6 2.8	2.7	3.1	2.4 3.4	2.9	2.7	E	3.0	No any influencing factor was observed during monitoring.	
					Middle	30.0	17.6 17.6	17.6	36.0 36.1	36.1	8.0 7.8	7.9	96.3 95.9	96.1	7.41 7.37	7.39	3.0 3.0	3.0		2.6 1.9	2.8					
					Bottom	59.0	17.6 17.6	17.6	36.1 36.1	36.1	7.8 7.9	7.8	96.0 96.0	96.0	7.38 7.38	7.38	3.5 3.6	3.6		3.0 2.6	2.3					
13-Mar-21	F1	Fine	Moderate	11:43	Surface	1.0	18.3 18.4	18.4	36.1 36.1	36.1	7.7 7.8	7.7	98.7 98.9	98.8	7.48 7.49	7.49	3.9 3.5	3.7	4.5	3.2 3.2	3.2	2.7	E	0.2	No any influencing factor was observed during monitoring.	
					Middle	29.7	18.2 18.2	18.2	36.2 36.2	36.2	7.7 7.8	7.7	96.8 97.3	97.1	7.35 7.38	7.37	4.5 4.3	4.4		2.5 2.7	2.6					
					Bottom	58.5	18.2 18.2	18.2	36.2 36.2	36.2	7.8 7.7	7.8	97.2 97.2	97.2	7.38 7.38	7.38	5.5 5.5	5.5		2.2 2.5	2.4					
16-Mar-21	F1	Sunny	Moderate	15:03	Surface	1.0	19.5 19.4	19.4	35.9 35.9	35.9	7.8 7.9	7.8	100.5 100.5	100.5	7.47 7.48	7.48	2.1 2.3	2.2	2.4	1.8 1.7	1.8	1.5	E	3.6	No any influencing factor was observed during monitoring.	
					Middle	30.0	19.0 19.0	19.0	36.2 36.2	36.2	7.9 7.8	7.9	98.7 99.1	98.9	7.39 7.42	7.41	2.5 2.4	2.5		1.5 1.6	1.6					
					Bottom	59.1	19.0 18.9	18.9	36.3 36.3	36.3	7.9 7.8	7.9	98.2 98.3	98.3	7.35 7.36	7.36	2.4 2.5	2.5		1.3 1.0	1.2					
18-Mar-21	F1	Fine	Moderate	16:13	Surface	1.0	19.6 19.7	19.7	35.8 35.8	35.8	7.8 7.8	7.8	101.1 101.8	101.5	7.49 7.54	7.52	2.0 2.0	2.0	2.0	<1.0 <1.0	<1.0	1.3	E	2.7	No any influencing factor was observed during monitoring.	
					Middle	29.9	19.4 19.4	19.4	36.1 36.1	36.1	7.8 7.8	7.8	98.3 98.2	98.3	7.31 7.31	7.31	2.1 2.0	2.1		1.4 1.1	1.3					
					Bottom	58.8	19.4 19.4	19.4	36.2 36.2	36.2	7.8 7.8	7.8	98.1 98.7	98.4	7.29 7.34	7.32	1.9 1.8	1.9		1.4 1.5	1.5					
20-Mar-21	F1	Fine	Moderate	17:27	Surface	1.0	20.3 20.3	20.3	36.1 36.1	36.1	7.9 7.9	7.9	105.8 106.2	106.0	7.75 7.77	7.76	1.8 1.7	1.8	2.0	2.0 2.2	2.1	1.9	E	1.5	No any influencing factor was observed during monitoring.	
					Middle	30.3	19.9 19.9	19.9	36.8 36.8	36.8	7.9 7.9	7.9	103.4 103.5	103.5	7.59 7.59	7.59	1.8 2.0	1.9		2.1 2.4	2.3					
					Bottom	59.6	19.7 19.7	19.7	36.9 36.9	36.9	7.9 7.9	7.9	103.0 102.8	102.9	7.55 7.54	7.55	2.3 2.2	2.3		1.1 1.5	1.3					
23-Mar-21	F1	Cloudy	Rough	21:49	Surface	1.0	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	101.4 101.2	101.3	7.49 7.47	7.48	2.2 2.2	2.2	2.3	3.1 3.5	3.3	2.7	E	3.5	No any influencing factor was observed during monitoring.	
					Middle	29.5	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	100.9 101.1	101.0	7.46 7.47	7.47	2.3 2.3	2.4		2.4 2.4	2.4					
					Bottom	58.1	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	100.6 100.5	100.6	7.43 7.42	7.43	2.4 2.4	2.4		2.2 2.4	2.3					
25-Mar-21	F1	Sunny	Moderate	15:56	Surface	1.0	19.7 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	102.2 102.1	102.2	7.54 7.55	7.55	1.5 1.4	1.5	1.5	2.4 2.0	2.2	2.0	SE	2.2	No any influencing factor was observed during monitoring.	
					Middle	29.8	19.5 19.5	19.5	36.5 36.5	36.5	8.0 8.0	7.9	102.0 101.1	101.6	7.53 7.48	7.51	1.5 1.5	1.5		2.4 1.7	2.1					
					Bottom	58.6	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	100.9 100.5	100.7	7.46 7.44	7.45	1.5 1.6	1.6		1.9 1.3	1.6					

*Depth Average

Mid-Flood Tide - F1

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Wind		Remark			
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (m/s)				
27-Feb-21	F1	Cloudy	Rough	6:08	Surface	1.0	18.0 17.9	17.9	35.9 35.9	35.9	7.5 7.5	7.5	98.3 98.3	98.3	7.52 7.52	7.52	7.52	2.0 2.0	2.0	2.0	2.1	2.1	2.1	<1.0 <1.0	<1.0	<1.0	NE	3.3	No any influencing factor was observed during monitoring.
					Middle	29.5	17.8 17.9	17.8	36.0 36.0	36.0	7.5 7.5	7.5	98.3 98.3	98.3	7.51 7.51	7.51	7.51	2.0 2.0	2.1	2.1	2.1	2.1	2.1	<1.0 <1.0	<1.0	<1.0			
					Bottom	58.0	17.5 17.5	17.5	36.0 36.0	36.0	7.5 7.5	7.5	98.1 98.0	98.1	7.50 7.49	7.50	7.50	2.2 2.2	2.2	2.2	2.2	2.2	2.2	2.2	<1.0 <1.0	<1.0			
2-Mar-21	F1	Sunny	Moderate	7:45	Surface	1.0	18.4 18.4	18.4	35.7 35.8	35.8	7.6 7.6	7.6	99.4 100.0	99.7	7.54 7.59	7.57	7.57	1.7 1.7	1.7	1.7	2.3	2.3	2.3	1.2 1.6	1.4	1.4	N	3.8	No any influencing factor was observed during monitoring.
					Middle	30.0	17.7 17.7	17.7	35.9 35.9	35.9	7.6 7.6	7.6	98.4 97.9	98.2	7.56 7.52	7.54	7.54	2.5 2.6	2.6	2.6	2.3	2.3	2.3	1.2 1.0	1.3	1.3			
					Bottom	59.1	17.7 17.7	17.7	36.0 36.0	36.0	7.6 7.6	7.6	97.9 97.6	97.8	7.52 7.50	7.51	7.51	2.6 2.6	2.6	2.6	2.6	2.6	2.6	2.6	<1.0 <1.0	<1.0			
4-Mar-21	F1	Fine	Moderate	8:45	Surface	1.0	17.6 17.6	17.6	35.7 35.7	35.7	7.6 7.6	7.6	99.7 99.5	99.6	7.74 7.72	7.73	7.73	2.3 2.2	2.3	2.3	2.8	2.8	2.8	2.0 2.3	2.2	2.2	NE	3.0	No any influencing factor was observed during monitoring.
					Middle	29.7	17.2 17.2	17.2	35.8 35.8	35.8	7.6 7.6	7.6	98.2 97.5	97.9	7.62 7.57	7.60	7.60	3.1 2.9	3.0	3.0	2.8	2.8	2.8	2.6 2.1	2.4	2.4			
					Bottom	58.4	17.2 17.2	17.2	35.8 35.8	35.8	7.6 7.6	7.6	98.0 98.0	98.0	7.61 7.60	7.61	7.61	3.1 2.9	3.0	3.0	2.8	2.8	2.8	1.8 2.0	1.9	1.9			
6-Mar-21	F1	Fine	Moderate	12:41	Surface	1.0	17.5 17.5	17.5	35.7 35.7	35.7	7.3 7.3	7.3	98.3 97.9	98.1	7.60 7.58	7.59	7.59	1.9 1.8	1.9	1.9	2.0	2.0	2.0	2.2 2.2	2.2	2.2	N	2.9	No any influencing factor was observed during monitoring.
					Middle	30.0	17.3 17.3	17.3	35.7 35.7	35.7	7.3 7.3	7.3	97.7 97.8	97.8	7.55 7.58	7.57	7.57	1.9 2.0	2.0	2.0	2.0	2.0	2.0	2.1 2.4	2.3	2.3			
					Bottom	59.0	17.2 17.2	17.2	35.7 35.7	35.7	7.3 7.3	7.3	96.4 96.8	96.6	7.48 7.51	7.50	7.50	2.1 2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.0 1.1	1.1			
9-Mar-21	F1	Fine	Moderate	15:27	Surface	1.0	17.7 17.7	17.7	35.7 35.7	35.7	7.8 7.8	7.8	98.4 98.2	98.3	7.57 7.56	7.57	7.57	1.8 2.0	1.9	1.9	2.3	2.3	2.3	2.0 2.4	2.2	2.2	E	3.3	No any influencing factor was observed during monitoring.
					Middle	29.8	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	96.9 96.7	96.8	7.48 7.46	7.47	7.47	2.4 2.6	2.5	2.5	2.3	2.3	2.3	2.0 2.3	2.2	2.2			
					Bottom	58.6	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	96.8 96.8	96.8	7.47 7.47	7.47	7.47	2.5 2.4	2.5	2.5	2.5	2.5	2.5	1.2 1.9	1.6	1.6			
11-Mar-21	F1	Fine	Moderate	17:28	Surface	1.0	17.8 17.8	17.8	36.0 36.0	36.0	7.8 7.8	7.8	98.9 98.1	98.5	7.58 7.52	7.55	7.55	2.3 2.2	2.3	2.3	2.6	2.6	2.6	1.0 1.6	1.3	1.3	NE	3.2	No any influencing factor was observed during monitoring.
					Middle	30.0	17.7 17.7	17.7	36.1 36.1	36.1	7.8 7.8	7.8	96.1 96.2	96.2	7.38 7.38	7.38	7.38	2.6 2.5	2.6	2.6	2.6	2.6	2.6	1.3 1.0	1.2	1.2			
					Bottom	59.0	17.8 17.8	17.8	36.1 36.1	36.1	7.8 7.8	7.8	96.9 96.5	96.7	7.42 7.40	7.41	7.41	3.0 3.0	3.0	3.0	3.0	3.0	3.0	<1.0 <1.0	<1.0	<1.0			
13-Mar-21	F1	Fine	Moderate	18:59	Surface	1.0	18.5 18.5	18.5	36.0 36.0	36.0	7.8 7.8	7.8	100.2 100.6	100.4	7.58 7.60	7.59	7.59	2.7 2.7	2.7	2.7	3.1	3.1	3.1	4.2 3.9	4.1	4.1	N	0.4	No any influencing factor was observed during monitoring.
					Middle	29.9	18.4 18.4	18.4	36.3 36.3	36.3	7.8 7.8	7.8	98.9 99.0	99.0	7.48 7.49	7.49	7.49	3.0 3.1	3.1	3.1	3.1	3.1	3.1	3.5 3.8	3.7	3.7			
					Bottom	58.9	18.4 18.3	18.4	36.3 36.3	36.3	7.8 7.8	7.8	99.0 98.6	98.8	7.49 7.47	7.48	7.48	3.3 3.6	3.5	3.5	3.5	3.5	3.5	3.0 3.6	2.9	2.9			
16-Mar-21	F1	Sunny	Moderate	7:06	Surface	1.0	19.3 19.3	19.3	35.7 35.7	35.7	7.8 7.8	7.8	100.4 100.4	100.4	7.50 7.49	7.50	7.50	2.4 2.5	2.5	2.5	2.7	2.7	2.7	1.1 1.2	1.2	1.2	SE	2.9	No any influencing factor was observed during monitoring.
					Middle	30.3	18.9 18.9	18.9	36.4 36.4	36.4	7.8 7.8	7.8	98.8 99.2	99.0	7.47 7.42	7.41	7.41	2.8 2.9	2.9	2.9	2.7	2.7	2.7	1.4 1.2	1.3	1.3			
					Bottom	59.6	19.0 19.0	19.0	36.3 36.3	36.3	7.8 7.8	7.8	98.5 98.0	98.3	7.37 7.33	7.35	7.35	2.9 2.8	2.9	2.9	2.7	2.7	2.7	1.8 1.4	1.6	1.6			
18-Mar-21	F1	Fine	Moderate	7:55	Surface	1.0	19.6 19.6	19.6	36.0 36.0	36.0	7.8 7.8	7.8	102.4 102.5	102.5	7.58 7.59	7.59	7.59	1.8 1.7	1.8	1.8	2.0	2.0	2.0	<1.0 <1.0	<1.0	<1.0	E	3.0	No any influencing factor was observed during monitoring.
					Middle	30.0	19.4 19.4	19.4	36.1 36.1	36.1	7.8 7.8	7.8	100.2 101.0	100.6	7.45 7.50	7.48	7.48	1.9 1.9	1.9	1.9	2.0	2.0	2.0	1.1 1.2	1.2	1.2			
					Bottom	59.0	19.4 19.4	19.4	36.1 36.1	36.1	7.8 7.8	7.8	100.5 100.3	100.4	7.46 7.45	7.46	7.46	2.3 2.2	2.3	2.3	2.0	2.0	2.0	1.8 1.4	1.6	1.6			
20-Mar-21	F1	Fine	Moderate	8:05	Surface	1.0	19.8 19.8	19.8	36.0 36.0	36.0	7.9 7.9	7.9	104.7 104.6	104.7	7.71 7.71	7.71	7.71	1.9 1.9	1.9	1.9	2.5	2.5	2.5	1.3 1.5	1.4	1.4	E	1.7	No any influencing factor was observed during monitoring.
					Middle	30.2	19.7 19.7	19.7	36.3 36.3	36.3	8.0 8.0	7.9	103.5 103.3	103.4	7.62 7.60	7.61	7.61	2.2 2.4	2.3	2.3	2.5	2.5	2.5	1.8 1.1	1.5	1.5			
					Bottom	59.4	19.4 19.4	19.4	36.6 36.6	36.6	8.0 7.9	7.9	102.5 102.9	102.7	7.54 7.57	7.56	7.56	3.4 3.3	3.4	3.4	2.5	2.5	2.5	1.4 1.8	1.6	1.6			
23-Mar-21	F1	Cloudy	Rough	7:08	Surface	1.0	19.7 19.7	19.7	36.6 36.6	36.6	7.9 7.9	7.9	100.8 100.7	100.8	7.43 7.42	7.43	7.43	2.0 1.9	2.0	2.0	2.2	2.2	2.2	1.8 1.9	1.9	1.9	E	2.9	No any influencing factor was observed during monitoring.
					Middle	30.0	19.8 19.7	19.7	36.6 36.6	36.6	7.9 7.9	7.9	99.4 99.9	99.7	7.32 7.36	7.34	7.34	2.2 2.3	2.3	2.3	2.2	2.2	2.2	2.3 2.1	2.2	2.2			
					Bottom	59.0	19.8 19.8	19.8	36.6 36.6	36.6	7.9 7.9	7.9	99.6 98.7	99.2	7.33 7.26	7.30	7.30	2.3 2.4	2.4	2.4	2.2	2.2	2.2	2.7 2.8	2.8	2.8			
25-Mar-21	F1	Sunny	Moderate	7:31	Surface	1.0	19.7 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	101.4 101.2	101.3	7.49 7.48	7.49	7.49	2.9 3.0	2.95	2.95	3.0	3.0	3.0	<1.0 <1.0	<1.0	<1.0	E	3.9	No any influencing factor was observed during monitoring.
					Middle	30.0	19.4 19.5	19.5	36.4 36.4	36.4	7.9 7.9	7.9	99.9 100.0	100.0	7.40 7.41	7.41	7.41	3.1 3.0	3.05	3.05	3.0	3.0	3.0	<1.0 <1.0	<1.0	<1.0			
					Bottom	59.1	19.5 19.5	19.5	36.4 36.5	36.4	7.9 7.9	7.9	99.5 99.5	99.5	7.37 7.37	7.37	7.37	3.0 2.9	2.95	2.95	3.0	3.0	3.0	1.3 1.4	1.4	1.4			

*Depth Average

Mid-Ebb Tide -F2

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solid (mg/m3)			Wind		Remark		
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		Direction	Speed (m/s)
27-Feb-21	F2	Cloudy	Rough	11:29	Surface	1.0	18.0 18.0	18.0	36.1 36.1	36.1	7.5 7.5	7.5	98.3 98.3	98.3	7.50 7.50	7.50	7.50	7.50	2.4 2.4	2.4	2.4	2.4	1.0	NE	3.1	No any influencing factor was observed during monitoring.		
					Middle	7.0	18.0 18.0	18.0	36.1 36.1	36.1	7.5 7.5	7.5	98.4 98.3	98.4	7.50 7.50	7.50	2.4 2.4	2.4	2.4	2.4	2.4						2.4	
					Bottom	13.0	18.0 18.0	18.0	36.1 36.1	36.1	7.5 7.5	7.5	98.5 98.3	98.4	7.51 7.50	7.51	7.51	2.4 2.5	2.5	2.5	2.4						2.5	2.5
2-Mar-21	F2	Sunny	Moderate	13:26	Surface	1.0	18.1 18.2	18.2	35.6 35.5	35.5	7.4 7.4	7.4	96.8 97.7	97.3	7.39 7.45	7.42	7.42	7.42	1.8 1.9	1.9	1.9	7.41	1.9	NE	3.0	No any influencing factor was observed during monitoring.		
					Middle	7.0	17.9 18.0	17.9	35.8 35.8	35.8	7.4 7.4	7.4	96.7 96.6	96.7	7.40 7.39	7.40	7.40	2.0 1.8	1.9	1.9	2.0						1.6	1.6
					Bottom	13.0	17.9 17.9	17.9	35.9 35.8	35.8	7.4 7.4	7.4	96.6 96.7	96.7	7.39 7.39	7.39	7.39	1.9 1.8	1.9	1.9	1.9						1.0	1.0
4-Mar-21	F2	Fine	Moderate	15:06	Surface	1.0	17.5 17.5	17.5	35.6 35.6	35.6	7.4 7.4	7.4	98.4 98.6	98.5	7.63 7.65	7.64	7.64	7.64	2.4 2.4	2.4	2.4	7.61	2.5	E	2.8	No any influencing factor was observed during monitoring.		
					Middle	6.8	17.4 17.4	17.4	35.8 35.8	35.8	7.4 7.4	7.4	98.0 97.8	97.9	7.59 7.58	7.59	7.59	2.7 2.6	2.7	2.7	2.7						2.7	2.7
					Bottom	12.6	17.4 17.4	17.4	35.8 35.8	35.8	7.4 7.4	7.4	98.1 98.1	98.1	7.61 7.60	7.61	7.61	2.4 2.7	2.6	2.6	2.4						2.7	2.6
6-Mar-21	F2	Fine	Moderate	6:17	Surface	1.0	17.3 17.2	17.2	35.7 35.7	35.7	7.4 7.4	7.4	97.8 97.9	97.9	7.58 7.60	7.59	7.59	7.59	1.8 1.9	1.9	1.9	7.58	1.9	NE	3.0	No any influencing factor was observed during monitoring.		
					Middle	7.0	17.2 17.2	17.2	35.7 35.7	35.7	7.4 7.4	7.4	97.5 97.6	97.6	7.57 7.58	7.58	7.58	1.8 1.9	1.9	1.9	1.4 1.6						1.5	1.5
					Bottom	13.0	17.2 17.2	17.2	35.7 35.7	35.7	7.4 7.4	7.4	97.5 97.0	97.3	7.57 7.53	7.55	7.55	2.1 2.0	2.1	2.1	2.1						2.1	2.1
9-Mar-21	F2	Fine	Moderate	10:25	Surface	1.0	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	97.7 97.8	97.8	7.54 7.54	7.54	7.54	7.54	2.4 2.2	2.3	2.3	7.51	2.6	NE	3.0	No any influencing factor was observed during monitoring.		
					Middle	6.8	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	96.9 97.1	97.0	7.47 7.49	7.48	7.48	2.7 2.6	2.7	2.7	2.7						2.7	2.7
					Bottom	12.5	17.5 17.5	17.5	36.0 36.0	36.0	7.8 7.8	7.8	97.0 97.3	97.2	7.47 7.50	7.49	7.49	2.9 2.9	2.9	2.9	2.9						2.9	2.9
11-Mar-21	F2	Fine	Moderate	11:56	Surface	1.0	17.7 17.7	17.7	36.1 36.1	36.1	7.8 7.8	7.8	97.5 97.4	97.5	7.49 7.47	7.48	7.48	7.48	2.8 2.8	2.8	2.8	7.46	3.0	E	1.9	No any influencing factor was observed during monitoring.		
					Middle	7.1	17.6 17.7	17.6	36.1 36.1	36.1	7.8 7.8	7.8	97.1 96.4	96.8	7.46 7.40	7.43	7.43	3.0 3.2	3.1	3.1	3.0						3.1	3.1
					Bottom	13.2	17.7 17.7	17.7	36.1 36.1	36.1	7.8 7.8	7.8	96.5 97.3	96.9	7.41 7.47	7.44	7.44	2.9 3.0	3.0	3.0	2.9						3.0	3.0
13-Mar-21	F2	Fine	Moderate	13:25	Surface	1.0	18.5 18.5	18.5	36.1 36.1	36.1	7.8 7.8	7.8	100.5 100.5	100.5	7.60 7.60	7.60	7.60	7.60	2.9 2.9	2.9	2.9	7.58	3.0	NE	0.0	No any influencing factor was observed during monitoring.		
					Middle	7.0	18.4 18.4	18.4	36.1 36.1	36.1	7.8 7.8	7.8	99.9 99.9	99.9	7.57 7.56	7.57	7.57	3.0 3.0	3.0	3.0	3.0						3.0	3.0
					Bottom	13.0	18.4 18.4	18.4	36.1 36.1	36.1	7.8 7.8	7.8	99.9 99.8	99.9	7.56 7.56	7.56	7.56	3.2 3.1	3.2	3.2	3.2						3.1	3.2
16-Mar-21	F2	Sunny	Moderate	13:09	Surface	1.0	19.2 19.2	19.2	36.3 36.3	36.3	7.7 7.7	7.7	100.1 100.4	100.3	7.46 7.48	7.47	7.47	7.47	2.7 2.8	2.8	2.8	7.45	2.9	SE	1.0	No any influencing factor was observed during monitoring.		
					Middle	6.6	19.0 19.0	19.0	36.3 36.3	36.3	7.7 7.7	7.7	99.7 98.9	99.3	7.46 7.40	7.43	7.43	2.9 2.9	2.9	2.9	2.9						2.9	2.9
					Bottom	12.2	19.0 19.0	19.0	36.3 36.3	36.3	7.7 7.7	7.7	98.2 99.3	98.8	7.35 7.43	7.39	7.39	2.9 2.9	2.9	2.9	2.9						2.9	2.9
18-Mar-21	F2	Fine	Moderate	14:26	Surface	1.0	19.7 19.7	19.7	35.8 35.8	35.8	7.8 7.8	7.8	101.7 101.7	101.7	7.53 7.53	7.53	7.53	7.53	1.8 1.7	1.8	1.8	7.49	1.8	E	1.4	No any influencing factor was observed during monitoring.		
					Middle	7.1	19.4 19.4	19.4	36.0 36.0	36.0	7.8 7.8	7.8	100.3 100.0	100.2	7.46 7.44	7.45	7.45	1.6 1.7	1.7	1.7	1.6						1.7	1.7
					Bottom	13.1	19.4 19.4	19.4	36.0 36.0	36.0	7.8 7.8	7.8	100.2 100.1	100.2	7.45 7.45	7.45	7.45	1.9 1.8	1.9	1.9	1.9						1.8	1.9
20-Mar-21	F2	Fine	Moderate	15:34	Surface	1.0	20.5 20.5	20.5	36.4 36.4	36.4	7.9 7.9	7.9	105.8 106.5	106.2	7.74 7.77	7.76	7.76	7.76	1.6 1.7	1.7	1.7	7.73	1.9	SE	1.2	No any influencing factor was observed during monitoring.		
					Middle	6.9	20.0 20.0	20.0	36.5 36.5	36.5	7.9 7.9	7.9	104.7 105.0	104.9	7.70 7.71	7.71	7.71	1.8 1.8	1.8	1.8	1.8						1.8	1.8
					Bottom	12.8	20.0 20.0	20.0	36.7 36.7	36.7	7.9 7.9	7.9	104.6 104.4	104.5	7.67 7.65	7.66	7.66	2.1 2.2	2.2	2.2	2.1						2.2	2.2
23-Mar-21	F2	Cloudy	Rough	19:56	Surface	1.0	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	101.7 101.8	101.8	7.53 7.54	7.54	7.54	7.54	2.3 2.3	2.3	2.3	7.53	2.2	SE	1.1	No any influencing factor was observed during monitoring.		
					Middle	6.8	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	101.5 101.7	101.6	7.52 7.53	7.53	7.53	2.2 2.1	2.2	2.2	2.2						2.2	2.2
					Bottom	12.6	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	100.9 101.5	101.2	7.47 7.52	7.50	7.50	2.3 2.2	2.3	2.3	2.3						2.3	2.3
25-Mar-21	F2	Sunny	Moderate	14:05	Surface	1.0	19.7 19.7	19.7	36.4 36.4	36.4	7.9 7.9	7.9	103.5 103.9	103.7	7.63 7.67	7.65	7.65	7.65	2.2 2.1	2.2	2.2	7.63	2.1	SE	1.8	No any influencing factor was observed during monitoring.		
					Middle	7.1	19.6 19.7	19.7	36.5 36.5	36.5	7.9 7.9	7.9	103.4 103.0	103.2	7.63 7.60	7.62	7.62	2.1 2.1	2.1	2.1	2.1						2.1	2.1
					Bottom	13.2	19.7 19.7	19.7	36.5 36.5	36.5	7.9 7.9	7.9	102.8 103.4	103.1	7.59 7.63	7.61	7.61	2.1 2.1	2.1	2.1	2.1						2.1	2.1

*Depth Average

Mid-Flood Tide - F2

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Wind		Remark				
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		Direction	Speed (m/s)		
27-Feb-21	F2	Cloudy	Rough	7:57	Surface	1.0	17.9	17.9	35.9	35.9	7.5	7.5	98.4	98.4	7.52	7.52	1.7	1.8	1.8	1.9	1.9	1.9	<1.0	<1.0	<1.0	E	3.2	No any influencing factor was observed during monitoring.		
					Middle	7.3	17.9	17.9	35.9	35.9	7.5	7.5	98.2	98.3	7.51	7.52	2.0	2.0	2.0										2.0	
					Bottom	13.7	17.9	17.9	36.0	36.0	7.5	7.5	98.0	98.2	7.49	7.51	2.1	2.1	2.1										2.1	
2-Mar-21	F2	Sunny	Moderate	9:28	Surface	1.0	18.0	18.0	35.9	35.9	7.4	7.4	100.5	100.6	7.67	7.67	1.8	1.7	1.8	1.8	1.8	1.8	2.1	2.1	2.1	N	3.1	No any influencing factor was observed during monitoring.		
					Middle	7.1	17.7	17.7	35.9	35.9	7.4	7.5	99.0	99.2	7.62	7.63	1.8	1.9	1.9										1.9	
					Bottom	13.2	17.6	17.6	35.9	35.9	7.5	7.5	98.7	98.7	7.58	7.58	1.8	1.8	1.8										1.8	
4-Mar-21	F2	Fine	Moderate	10:27	Surface	1.0	17.4	17.4	35.8	35.8	7.5	7.5	99.6	99.6	7.73	7.73	2.2	2.3	2.3	7.69	7.69	7.69	2.5	2.5	2.5	1.7	E	2.7	No any influencing factor was observed during monitoring.	
					Middle	6.9	17.2	17.2	35.8	35.8	7.5	7.5	98.7	98.6	7.66	7.66	2.4	2.5	2.5											2.5
					Bottom	12.8	17.2	17.2	35.8	35.8	7.5	7.5	99.1	98.8	7.69	7.67	2.8	3.0	2.9											2.9
6-Mar-21	F2	Fine	Moderate	9:48	Surface	1.0	17.3	17.3	35.7	35.7	7.3	7.3	98.0	98.0	7.59	7.59	1.8	1.9	1.9	7.58	7.58	7.58	1.9	1.9	1.9	1.5	NE	2.8	No any influencing factor was observed during monitoring.	
					Middle	7.1	17.3	17.3	35.7	35.7	7.3	7.3	97.6	97.5	7.57	7.56	1.9	2.0	2.0											2.0
					Bottom	13.2	17.3	17.2	35.7	35.7	7.3	7.3	97.4	97.3	7.55	7.54	2.0	2.0	2.0											2.0
9-Mar-21	F2	Fine	Moderate	13:41	Surface	1.0	17.6	17.6	35.7	35.7	7.8	7.8	98.6	98.5	7.59	7.59	2.0	2.1	2.1	7.57	7.57	7.57	2.2	2.2	2.2	1.8	E	2.1	No any influencing factor was observed during monitoring.	
					Middle	7.0	17.5	17.5	35.8	35.8	7.8	7.8	97.9	97.9	7.55	7.55	2.3	2.4	2.4											2.4
					Bottom	13.1	17.5	17.5	35.8	35.8	7.8	7.8	98.2	98.0	7.58	7.56	2.2	2.4	2.3											2.3
11-Mar-21	F2	Fine	Moderate	15:44	Surface	1.0	17.8	17.8	36.0	36.0	7.7	7.7	98.4	98.4	7.54	7.54	2.5	2.5	2.5	7.52	7.52	7.52	2.8	2.8	2.8	2.5	NE	3.3	No any influencing factor was observed during monitoring.	
					Middle	6.9	17.9	17.9	36.2	36.2	7.7	7.7	98.1	98.1	7.49	7.49	2.8	2.9	2.9											2.9
					Bottom	12.8	17.9	17.9	36.2	36.2	7.7	7.7	98.6	98.1	7.53	7.49	3.1	3.0	3.1											3.1
13-Mar-21	F2	Fine	Moderate	17:16	Surface	1.0	18.4	18.4	36.2	36.2	7.7	7.7	99.6	99.5	7.53	7.52	3.5	3.5	3.5	7.52	7.52	7.52	3.5	3.5	3.5	3.6	NE	0.5	No any influencing factor was observed during monitoring.	
					Middle	6.8	18.4	18.4	36.2	36.2	7.7	7.7	99.5	99.1	7.53	7.50	3.6	3.6	3.6											3.6
					Bottom	12.6	18.4	18.4	36.2	36.2	7.7	7.7	99.4	99.2	7.53	7.51	3.5	3.2	3.4											3.4
16-Mar-21	F2	Sunny	Moderate	8:48	Surface	1.0	19.1	19.1	36.3	36.3	7.8	7.8	101.2	101.2	7.56	7.56	2.5	2.6	2.6	7.55	7.55	7.55	2.5	2.5	2.5	<1.0	E	2.4	No any influencing factor was observed during monitoring.	
					Middle	6.8	19.0	19.0	36.3	36.3	7.8	7.8	101.1	100.9	7.55	7.54	2.4	2.5	2.5											2.5
					Bottom	12.6	19.0	19.0	36.3	36.3	7.8	7.8	100.7	100.7	7.53	7.53	2.4	2.5	2.5											2.5
18-Mar-21	F2	Fine	Moderate	9:36	Surface	1.0	19.6	19.6	36.1	36.1	7.8	7.8	101.5	101.5	7.51	7.51	1.9	2.0	2.0	7.48	7.48	7.48	2.2	2.2	2.2	<1.0	E	2.4	No any influencing factor was observed during monitoring.	
					Middle	7.1	19.4	19.4	36.1	36.1	7.8	7.8	100.2	100.6	7.44	7.47	2.1	2.2	2.2											2.2
					Bottom	13.2	19.4	19.4	36.1	36.1	7.8	7.8	101.4	101.0	7.53	7.50	2.5	2.3	2.4											2.4
20-Mar-21	F2	Fine	Moderate	9:52	Surface	1.0	20.2	20.2	36.1	36.1	7.9	7.9	105.5	105.6	7.77	7.76	1.9	1.8	1.9	7.74	7.74	7.74	1.9	1.9	1.9	1.7	SE	0.8	No any influencing factor was observed during monitoring.	
					Middle	7.0	19.9	20.0	36.3	36.3	7.9	7.9	104.9	105.1	7.70	7.72	2.0	2.1	2.1											2.1
					Bottom	13.0	19.8	19.7	36.3	36.3	8.0	7.9	104.0	104.2	7.66	7.67	1.8	1.7	1.8											1.8
23-Mar-21	F2	Cloudy	Rough	9:24	Surface	1.0	19.5	19.5	36.5	36.5	7.9	7.9	101.3	101.4	7.50	7.51	1.9	2.0	2.0	7.50	7.50	7.50	2.1	2.1	2.1	2.6	E	2.4	No any influencing factor was observed during monitoring.	
					Middle	7.0	19.5	19.5	36.5	36.5	7.9	7.9	100.9	101.0	7.47	7.48	2.0	2.1	2.1											2.1
					Bottom	13.0	19.5	19.5	36.5	36.5	7.9	7.9	100.7	100.8	7.45	7.46	2.1	2.2	2.2											2.2
25-Mar-21	F2	Sunny	Moderate	9:07	Surface	1.0	19.5	19.5	36.5	36.5	7.9	7.9	101.9	101.8	7.54	7.53	2.4	2.3	2.35	7.52	7.52	7.52	2.4	2.4	2.4	1.1	SE	2.6	No any influencing factor was observed during monitoring.	
					Middle	7.1	19.5	19.5	36.5	36.5	7.9	7.9	101.7	101.6	7.51	7.52	2.3	2.4	2.40											2.40
					Bottom	13.3	19.5	19.5	36.5	36.5	7.9	7.9	100.8	101.4	7.46	7.50	2.4	2.4	2.4											2.4

*Depth Average

Mid-Ebb Tide - GS1

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solid (mg/m3)			Wind		Remark				
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (m/s)					
27-Feb-21	GS1	Cloudy	Rough	10:46	Surface	1.0	18.0 18.0	18.0	36.1 36.1	36.1	7.5 7.5	7.5	99.0 99.0	99.0	7.55 7.56	7.56	7.54	2.4 2.3	2.4	2.5 2.5	2.5	2.5	2.5	1.0 1.2	1.1	1.1	N	3.0	No any influencing factor was observed during monitoring.	
					Middle	3.1	18.0 18.0	18.0	36.1 36.1	36.1	7.5 7.5	7.5	98.7 98.8	98.8	7.53 7.53	7.53	98.8	98.8	7.53 7.53	7.53	2.5	2.5	2.5	2.5	1.4 1.0					1.2
					Bottom	5.2	18.0 18.0	18.0	36.1 36.1	36.1	7.5 7.5	7.5	98.5 98.6	98.6	7.52 7.52	7.52	98.5	98.6	7.52 7.52	7.52	2.6 2.8	2.7	2.6	2.7	2.6					2.7
2-Mar-21	GS1	Sunny	Moderate	12:42	Surface	1.0	18.3 18.3	18.3	35.9 35.9	35.9	7.5 7.5	7.5	100.2 100.3	100.3	7.61 7.61	7.61	7.60	2.3 2.1	2.2	2.7 2.7	2.7	2.6	2.5	1.2 2.2	1.7	1.8	NE	2.0	No any influencing factor was observed during monitoring.	
					Middle	3.3	18.1 17.9	18.0	35.9 35.9	35.9	7.5 7.5	7.5	99.2 99.4	99.3	7.59 7.59	7.59	99.4	99.3	7.59 7.59	7.59	2.5	2.6	2.5	2.5	1.9 2.2					2.1
					Bottom	5.5	18.0 17.8	17.9	35.9 35.9	35.9	7.5 7.5	7.5	99.1 99.1	99.1	7.58 7.56	7.57	99.1	99.1	7.58 7.56	7.57	2.4 2.5	2.5	2.4	2.5	2.0 1.4					1.7
4-Mar-21	GS1	Fine	Moderate	14:27	Surface	1.0	17.6 17.6	17.6	35.8 35.8	35.8	7.5 7.5	7.5	99.2 99.0	99.1	7.70 7.68	7.69	7.67	2.5 2.4	2.5	2.5 2.4	2.5	2.5	2.5	1.8 2.0	1.9	2.1	E	2.1	No any influencing factor was observed during monitoring.	
					Middle	3.2	17.4 17.4	17.4	35.8 35.8	35.8	7.5 7.5	7.5	98.7 98.6	98.7	7.66 7.65	7.66	98.7	98.7	7.66 7.65	7.66	2.6 2.7	2.7	2.6	2.7	1.4 2.0					1.7
					Bottom	5.3	17.4 17.3	17.4	35.8 35.8	35.8	7.5 7.5	7.5	99.0 98.8	98.9	7.67 7.66	7.67	98.9	98.9	7.67 7.66	7.67	2.4 2.6	2.5	2.4	2.5	2.3 2.9					2.6
6-Mar-21	GS1	Fine	Moderate	6:59	Surface	1.0	17.3 17.3	17.3	35.7 35.7	35.7	7.4 7.4	7.4	97.0 96.7	96.9	7.52 7.50	7.51	7.47	2.0 2.0	2.0	2.0 2.0	2.0	2.1	2.0	1.1 1.5	1.3	1.4	NE	2.3	No any influencing factor was observed during monitoring.	
					Middle	3.2	17.2 17.2	17.2	35.7 35.7	35.7	7.4 7.4	7.4	95.7 95.8	95.8	7.43 7.43	7.43	95.8	95.8	7.43 7.43	7.43	2.1 2.1	2.1	2.1	2.1	1.5 1.0					1.3
					Bottom	5.4	17.3 17.3	17.3	35.7 35.7	35.7	7.4 7.4	7.4	95.6 95.6	95.6	7.41 7.41	7.41	95.6	95.6	7.41 7.41	7.41	2.2 2.2	2.2	2.2	2.2	1.2 2.0					1.6
9-Mar-21	GS1	Fine	Moderate	11:08	Surface	1.0	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	98.0 98.4	98.2	7.56 7.58	7.57	7.56	2.0 2.2	2.1	2.2 2.2	2.2	2.1	2.2	2.2 2.0	2.1	2.2	NE	2.1	No any influencing factor was observed during monitoring.	
					Middle	3.3	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.7	7.8	98.1 97.5	97.8	7.57 7.52	7.55	97.8	97.8	7.57 7.52	7.55	2.3 2.2	2.3	2.3	2.2	1.9 2.6					2.3
					Bottom	5.7	17.5 17.5	17.5	35.9 35.9	35.9	7.7 7.8	7.7	97.7 98.0	97.9	7.54 7.56	7.55	97.9	97.9	7.54 7.56	7.55	2.7 2.6	2.7	2.7	2.6	1.6 2.7					2.2
11-Mar-21	GS1	Fine	Moderate	12:48	Surface	1.0	18.1 18.1	18.1	36.3 36.4	36.3	7.7 7.6	7.6	98.0 97.6	97.8	7.44 7.41	7.43	7.38	3.3 3.3	3.3	3.3 3.2	3.3	3.3	3.3	1.9 2.3	2.1	2.9	NE	3.9	No any influencing factor was observed during monitoring.	
					Middle	3.3	18.2 18.2	18.2	36.4 36.4	36.4	7.5 7.6	7.6	96.2 97.3	96.8	7.29 7.38	7.34	96.8	96.8	7.29 7.38	7.34	3.2 3.4	3.3	3.2	3.4	2.5 3.1					2.8
					Bottom	5.6	18.2 18.2	18.2	36.5 36.4	36.4	7.6 7.4	7.5	97.5 94.0	95.8	7.40 7.13	7.27	95.8	95.8	7.40 7.13	7.27	3.5 3.4	3.5	3.5	3.5	3.7 4.1					3.9
13-Mar-21	GS1	Fine	Moderate	14:02	Surface	1.0	18.4 18.4	18.4	36.2 36.2	36.2	7.7 7.7	7.7	99.5 99.5	99.5	7.53 7.54	7.54	7.52	3.5 3.5	3.5	3.5 3.5	3.5	3.5	3.5	2.2 2.2	2.3	2.7	E	0.7	No any influencing factor was observed during monitoring.	
					Middle	3.3	18.3 18.3	18.3	36.2 36.2	36.2	7.7 7.7	7.7	98.9 99.2	99.1	7.49 7.51	7.50	99.1	99.1	7.49 7.51	7.50	3.5 3.5	3.5	3.5	3.5	2.6 2.7					2.7
					Bottom	5.6	18.3 18.3	18.3	36.2 36.2	36.2	7.7 7.7	7.7	98.5 99.0	98.8	7.47 7.50	7.49	98.8	98.8	7.47 7.50	7.49	3.5 3.4	3.5	3.5	3.4	3.2 2.9					3.1
16-Mar-21	GS1	Sunny	Moderate	12:27	Surface	1.0	19.5 19.4	19.5	36.4 36.4	36.4	7.8 7.8	7.8	103.1 103.3	103.2	7.64 7.66	7.65	7.65	2.1 2.1	2.1	2.1 2.1	2.1	2.1	2.1	1.9 2.1	2.0	1.8	SE	0.8	No any influencing factor was observed during monitoring.	
					Middle	3.1	19.3 19.3	19.3	36.4 36.4	36.4	7.8 7.8	7.8	103.0 102.7	102.9	7.65 7.63	7.64	102.9	102.9	7.65 7.63	7.64	2.2 2.2	2.2	2.2	2.2	1.7 1.8					1.8
					Bottom	5.2	19.2 19.1	19.1	36.3 36.4	36.3	7.8 7.7	7.8	102.5 102.1	102.3	7.63 7.62	7.63	102.3	102.3	7.63 7.62	7.63	2.3 2.2	2.3	2.3	2.2	1.6 1.7					1.7
18-Mar-21	GS1	Fine	Moderate	13:44	Surface	1.0	19.7 19.7	19.7	35.8 35.8	35.8	7.7 7.7	7.7	101.3 101.1	101.2	7.50 7.49	7.50	7.46	1.9 1.9	1.9	1.9 1.9	1.9	1.9	1.9	<1.0 <1.0	<1.0	<1.0	S	2.4	No any influencing factor was observed during monitoring.	
					Middle	3.1	19.6 19.6	19.6	35.9 35.8	35.9	7.7 7.7	7.7	99.9 100.4	100.2	7.41 7.45	7.43	100.2	100.2	7.41 7.45	7.43	1.8 1.9	1.9	1.8	1.9	<1.0 <1.0					<1.0
					Bottom	5.2	19.4 19.4	19.4	35.9 35.9	35.9	7.7 7.7	7.7	100.3 100.4	100.4	7.46 7.46	7.46	100.4	100.4	7.46 7.46	7.46	2.1 2.0	2.1	2.1	2.0	<1.0 <1.0					<1.0
20-Mar-21	GS1	Fine	Moderate	14:51	Surface	1.0	21.0 21.0	21.0	36.4 36.4	36.4	7.9 7.9	7.9	108.0 107.8	107.9	7.80 7.78	7.79	7.80	1.8 1.8	1.8	1.8 1.8	1.8	1.8	1.8	1.6 1.7	1.7	1.9	SE	0.7	No any influencing factor was observed during monitoring.	
					Middle	3.2	20.0 20.0	20.0	36.5 36.5	36.5	7.9 7.9	7.9	106.2 106.3	106.3	7.80 7.81	7.81	106.3	106.3	7.80 7.81	7.81	1.8 1.8	1.8	1.8	1.8	1.8 1.9					1.9
					Bottom	5.4	19.8 19.8	19.8	36.5 36.5	36.5	7.9 7.9	7.9	104.9 105.7	105.3	7.73 7.77	7.75	104.9	105.3	7.73 7.77	7.75	1.8 1.8	1.8	1.8	1.8	1.9 2.2					2.1
23-Mar-21	GS1	Cloudy	Rough	19:13	Surface	1.0	19.5 19.5	19.5	36.6 36.6	36.6	7.9 7.9	7.9	102.5 102.7	102.6	7.57 7.59	7.58	7.58	2.3 2.4	2.4	2.3 2.3	2.3	2.3	2.3	2.4 2.1	2.3	2.7	SE	1.0	No any influencing factor was observed during monitoring.	
					Middle	3.2	19.6 19.6	19.6	36.6 36.6	36.6	7.9 7.9	7.9	102.5 102.5	102.5	7.57 7.57	7.57	102.5	102.5	7.57 7.57	7.57	2.3 2.3	2.3	2.3	2.3	2.5 2.4					2.5
					Bottom	5.4	19.6 19.6	19.6	36.6 36.6	36.6	7.9 7.9	7.9	102.4 102.4	102.4	7.56 7.56	7.56	102.4	102.4	7.56 7.56	7.56	2.3 2.4	2.4	2.3	2.4	3.2 3.6					3.4
25-Mar-21	GS1	Sunny	Moderate	13:22	Surface	1.0	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	103.1 103.2	103.2	7.61 7.62	7.62	7.61	1.7 1.7	1.7	1.7 1.7	1.7	1.7	1.7	2.0 1.6	1.8	1.5	SE	1.3	No any influencing factor was observed during monitoring.	
					Middle	3.3	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	102.9 103.1	103.0	7.60 7.61	7.61	103.0	103.0	7.60 7.61	7.61	1.8 1.7	1.8	1.8	1.8	1.5 1.2					1.4
					Bottom	5.6	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	102.8 103.0	102.9	7.59 7.61	7.60	102.9	102.9	7.59 7.61	7.60	1.8 1.8	1.8	1.8	1.8	1.3 1.1					1.2

*Depth Average

Mid-Flood Tide - GS1

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Wind		Remark							
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		Direction	Speed (m/s)					
27-Feb-21	GS1	Cloudy	Rough	8:40	Surface	1.0	18.0 18.0	18.0	35.9 35.9	35.9	7.5 7.5	7.5	97.9 97.8	97.9	7.49 7.48	7.49	7.48	1.9 2.0	2.0	2.0	2.3	<1.0 <1.0	<1.0	1.0	NE	3.0	No any influencing factor was observed during monitoring.						
					Middle	3.2	18.0 18.0	18.0	36.0 36.0	36.0	7.5 7.5	7.5	98.0 97.9	98.0	7.48 7.47	7.48	2.5 2.5	2.5	2.5	2.5		2.5	2.5					2.5	2.5				
					Bottom	5.4	17.9 17.9	17.9	36.1 36.1	36.1	7.5 7.5	7.5	98.0 98.0	98.0	7.46 7.47	7.47	7.47	2.5 2.5	2.5	2.5		2.5	2.5					2.5	2.5	2.5	2.5	2.5	2.5
2-Mar-21	GS1	Sunny	Moderate	10:11	Surface	1.0	18.0 18.0	18.0	35.9 35.9	35.9	7.5 7.5	7.5	99.7 99.3	99.5	7.62 7.58	7.60	7.60	2.3 2.3	2.3	2.3	2.4	1.4 1.0	1.2	1.3	N	3.0	No any influencing factor was observed during monitoring.						
					Middle	3.2	17.8 17.9	17.8	35.9 35.9	35.9	7.5 7.5	7.5	98.6 99.3	99.0	7.56 7.60	7.58	2.4 2.4	2.4	2.4	2.4		2.4	2.4					2.4	2.4	2.4	2.4	2.4	
					Bottom	5.4	17.9 17.8	17.8	35.9 35.9	35.9	7.5 7.5	7.5	99.3 98.4	98.9	7.60 7.54	7.57	7.57	2.4 2.3	2.4	2.4		2.4	2.4					2.4	2.4	2.4	2.4	2.4	2.4
4-Mar-21	GS1	Fine	Moderate	11:05	Surface	1.0	17.4 17.4	17.4	35.8 35.8	35.8	7.4 7.5	7.4	99.0 99.0	99.0	7.68 7.69	7.69	7.68	2.3 2.2	2.3	2.3	2.3	<1.0 <1.0	<1.0	1.2	NE	3.1	No any influencing factor was observed during monitoring.						
					Middle	3.3	17.3 17.3	17.3	35.8 35.8	35.8	7.5 7.5	7.5	98.9 98.6	98.8	7.68 7.66	7.67	2.3 2.3	2.3	2.3	2.3		2.3	2.3					2.3	2.3	2.3	2.3	2.3	2.3
					Bottom	5.5	17.3 17.3	17.3	35.8 35.8	35.8	7.4 7.5	7.4	98.6 98.6	98.6	7.65 7.65	7.65	7.65	2.6 2.3	2.5	2.5		2.5	2.5					2.5	2.5	2.5	2.5	2.5	2.5
6-Mar-21	GS1	Fine	Moderate	8:57	Surface	1.0	17.3 17.3	17.3	35.7 35.7	35.7	7.4 7.4	7.4	97.8 97.9	97.9	7.58 7.58	7.58	7.58	2.0 1.9	2.0	2.0	2.0	1.9 2.2	2.1	1.6	NE	3.1	No any influencing factor was observed during monitoring.						
					Middle	3.2	17.2 17.2	17.2	35.7 35.7	35.7	7.4 7.4	7.4	97.1 96.9	97.0	7.54 7.53	7.54	2.0 2.0	2.0	2.0	2.0		2.0	2.0					2.0	2.0	2.0	2.0	2.0	2.0
					Bottom	5.5	17.2 17.2	17.2	35.7 35.7	35.7	7.4 7.4	7.4	96.1 96.7	96.4	7.46 7.52	7.49	7.49	2.1 2.0	2.1	2.1		2.1	2.1					2.1	2.1	2.1	2.1	2.1	2.1
9-Mar-21	GS1	Fine	Moderate	13:00	Surface	1.0	17.6 17.6	17.6	35.8 35.7	35.7	7.7 7.7	7.7	97.6 98.1	97.9	7.52 7.55	7.54	7.52	1.7 1.7	1.7	1.7	1.7	2.3 3.1	2.7	2.1	NE	2.2	No any influencing factor was observed during monitoring.						
					Middle	3.2	17.6 17.6	17.6	35.8 35.7	35.7	7.6 7.7	7.7	97.7 97.9	97.8	7.53 7.54	7.54	1.6 1.8	1.7	1.7	1.7		1.7	1.7					1.7	1.7	1.7	1.7	1.7	1.7
					Bottom	5.5	17.5 17.6	17.5	35.8 35.7	35.8	7.6 7.7	7.6	96.9 97.4	97.2	7.48 7.51	7.50	7.50	1.6 1.7	1.7	1.7		1.7	1.7					1.7	1.7	1.7	1.7	1.7	1.7
11-Mar-21	GS1	Fine	Moderate	15:08	Surface	1.0	17.8 17.8	17.8	36.0 36.0	36.0	7.5 7.6	7.5	98.2 98.6	98.4	7.53 7.56	7.55	7.53	2.3 2.3	2.3	2.3	2.6	1.0 1.5	1.3	1.6	NE	2.3	No any influencing factor was observed during monitoring.						
					Middle	3.2	17.7 17.7	17.7	36.0 36.0	36.0	7.5 7.6	7.5	97.7 98.1	97.9	7.49 7.52	7.51	2.3 2.3	2.3	2.3	2.3		2.3	2.3					2.3	2.3	2.3	2.3	2.3	2.3
					Bottom	5.3	17.7 17.8	17.8	36.1 36.1	36.1	7.5 7.4	7.5	98.1 97.4	97.8	7.52 7.46	7.49	7.49	3.3 3.2	3.3	3.3		3.3	3.3					3.3	3.3	3.3	3.3	3.3	3.3
13-Mar-21	GS1	Fine	Moderate	16:38	Surface	1.0	18.4 18.4	18.4	36.2 36.2	36.2	7.7 7.6	7.7	99.7 99.6	99.7	7.54 7.53	7.54	7.54	3.3 3.5	3.4	3.4	3.5	3.0 3.4	3.2	3.8	NE	0.1	No any influencing factor was observed during monitoring.						
					Middle	3.4	18.4 18.4	18.4	36.2 36.2	36.2	7.6 7.7	7.6	99.3 98.9	99.1	7.51 7.48	7.50	3.5 3.4	3.5	3.5	3.5		3.5	3.5					3.5	3.5	3.5	3.5	3.5	3.5
					Bottom	5.7	18.4 18.4	18.4	36.2 36.2	36.2	7.6 7.7	7.6	99.0 98.9	99.0	7.49 7.49	7.49	7.49	3.6 3.4	3.5	3.5		3.5	3.5					3.5	3.5	3.5	3.5	3.5	3.5
16-Mar-21	GS1	Sunny	Moderate	9:29	Surface	1.0	19.3 19.4	19.4	36.4 36.3	36.4	7.8 7.8	7.8	102.7 102.6	102.7	7.62 7.61	7.62	7.62	2.5 2.3	2.4	2.4	2.7	<1.0 <1.0	<1.0	1.2	E	2.0	No any influencing factor was observed during monitoring.						
					Middle	3.2	19.1 19.0	19.1	36.4 36.4	36.4	7.7 7.8	7.7	101.4 102.3	101.9	7.56 7.64	7.60	2.9 2.7	2.8	2.8	2.8		2.8	2.8					2.8	2.8	2.8	2.8	2.8	2.8
					Bottom	5.4	19.0 19.1	19.0	36.4 36.4	36.4	7.7 7.8	7.7	100.1 101.8	100.0	7.48 7.60	7.54	7.54	2.8 2.7	2.8	2.8		2.8	2.8					2.8	2.8	2.8	2.8	2.8	2.8
18-Mar-21	GS1	Fine	Moderate	10:15	Surface	1.0	19.6 19.6	19.6	36.0 36.0	36.0	7.8 7.8	7.8	100.8 100.4	100.6	7.46 7.44	7.45	7.45	2.1 2.1	2.1	2.1	2.2	<1.0 <1.0	<1.0	1.1	E	2.4	No any influencing factor was observed during monitoring.						
					Middle	3.1	19.6 19.5	19.5	36.0 36.0	36.0	7.8 7.8	7.8	100.0 99.8	99.9	7.41 7.40	7.41	2.0 2.0	2.0	2.0	2.0		2.0	2.0					2.0	2.0	2.0	2.0	2.0	2.0
					Bottom	5.3	19.5 19.5	19.5	36.0 36.0	36.0	7.8 7.7	7.8	100.2 99.9	100.1	7.44 7.41	7.43	7.43	2.4 2.3	2.4	2.4		2.4	2.4					2.4	2.4	2.4	2.4	2.4	2.4
20-Mar-21	GS1	Fine	Moderate	11:24	Surface	1.0	20.9 20.9	20.9	36.3 36.3	36.3	7.9 7.9	7.9	108.0 108.0	108.0	7.79 7.82	7.81	7.81	1.7 1.8	1.8	1.8	1.8	1.3 1.0	1.2	1.5	E	0.5	No any influencing factor was observed during monitoring.						
					Middle	3.3	19.9 19.9	19.9	36.4 36.4	36.4	7.9 7.9	7.9	106.5 106.6	106.6	7.82 7.83	7.83	1.8 1.8	1.8	1.8	1.8		1.8	1.8					1.8	1.8	1.8	1.8	1.8	1.8
					Bottom	5.6	19.7 19.7	19.7	36.4 36.4	36.4	7.9 7.9	7.9	105.5 105.7	105.6	7.77 7.79	7.78	7.78	1.7 1.8	1.8	1.8		1.8	1.8					1.8	1.8	1.8	1.8	1.8	1.8
23-Mar-21	GS1	Cloudy	Rough	10:29	Surface	1.0	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	102.1 101.4	101.8	7.55 7.50	7.53	7.53	2.0 1.9	2.0	2.0	2.1	2.4 2.5	2.5	3.2	E	2.1	No any influencing factor was observed during monitoring.						
					Middle	3.3	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	101.1 101.3	101.2	7.48 7.50	7.49	2.0 2.1	2.1	2.1	2.1		2.1	2.1					2.1	2.1	2.1	2.1	2.1	2.1
					Bottom	5.6	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	100.9 100.6	100.8	7.47 7.44	7.46	7.46	2.4 2.3	2.4	2.4		2.4	2.4					2.4	2.4	2.4	2.4	2.4	2.4
25-Mar-21	GS1	Sunny	Moderate	9:52	Surface	1.0	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	103.3 103.5	103.4	7.63 7.64	7.64	7.64	2.1 2.1	2.10	2.10	2.1	1.0 1.7	1.4	1.3	SE	1.1	No any influencing factor was observed during monitoring.						
					Middle	3.2	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	103.3 102.9	103.1	7.63 7.60	7.62	2.1 2.1	2.10	2.10	2.1		2.1	2.1					2.1	2.1	2.1	2.1	2.1	2.1
					Bottom	5.4	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	102.7 102.8	102.8	7.58 7.59	7.59	7.59	2.1 2.2	2.15	2.15		2.15	2.15					2.15	2.15	2.15	2.15	2.15	2.15

*Depth Average

Mid-Ebb Tide - CS1

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solid (mg/m3)			Wind		Remark					
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		Direction	Speed (m/s)			
27-Feb-21	CS1	Cloudy	Rough	12:13	Surface	1.0	18.0 18.0	18.0	35.9 35.8	35.8	7.5 7.5	7.5	98.6 98.7	98.7	7.52 7.53	7.53	7.52	2.4 2.3	2.4	2.4	2.4	2.4 2.3	2.4	2.4	N	3.0	No any influencing factor was observed during monitoring.				
					Middle	12.0	18.0 18.0	18.0	35.9 35.9	35.9	7.5 7.5	7.5	98.3 98.4	98.4	7.50 7.51	7.51	98.4 98.1	98.4	7.51 7.49	7.51		2.4 2.4	2.4					2.4	2.4	2.4	
					Bottom	23.0	18.0 18.0	18.0	35.9 36.0	36.0	7.5 7.5	7.5	98.1 98.1	98.1	7.48 7.49	7.49	98.1 98.1	98.1	7.48 7.49	7.49		2.4 2.4	2.4					2.4	2.4	2.4	2.4
2-Mar-21	CS1	Sunny	Moderate	14:02	Surface	1.0	18.2 18.2	18.2	35.5 35.5	35.5	7.4 7.4	7.4	97.5 97.0	97.3	7.44 7.40	7.42	7.41	1.8 1.7	1.8	1.8	1.9	3.4 3.0	3.2	2.7	NE	3.0	No any influencing factor was observed during monitoring.				
					Middle	11.8	17.9 17.9	17.9	35.9 35.8	35.9	7.4 7.4	7.4	96.3 96.9	96.6	7.37 7.42	7.40	96.9 96.2	96.6	7.37 7.36	7.40		1.9 2.0	2.0					2.0	2.0	2.0	
					Bottom	22.6	17.9 17.9	17.9	35.9 35.9	35.9	7.4 7.4	7.4	96.2 96.0	96.1	7.36 7.35	7.36	96.1 96.0	96.1	7.36 7.35	7.36		2.1 2.0	2.1					2.1	2.1	2.1	2.1
4-Mar-21	CS1	Fine	Moderate	15:41	Surface	1.0	17.5 17.5	17.5	35.6 35.6	35.6	7.4 7.4	7.4	99.6 99.4	99.5	7.73 7.72	7.73	7.69	2.3 2.5	2.6	2.6	2.6	2.3 1.5	1.9	2.1	NE	3.1	No any influencing factor was observed during monitoring.				
					Middle	12.0	17.3 17.3	17.3	35.8 35.8	35.8	7.4 7.4	7.4	97.6 99.3	98.5	7.58 7.71	7.65	99.3 99.3	98.5	7.58 7.71	7.65		2.4 2.6	2.5					2.5	2.5	2.5	2.5
					Bottom	23.0	17.3 17.3	17.3	35.8 35.8	35.8	7.4 7.4	7.4	98.3 99.7	99.0	7.63 7.74	7.69	99.7 99.7	99.0	7.63 7.74	7.69		2.6 2.7	2.7					2.7	2.7	2.7	2.7
6-Mar-21	CS1	Fine	Moderate	5:39	Surface	1.0	17.3 17.3	17.3	35.7 35.7	35.7	7.5 7.5	7.5	97.9 97.4	97.7	7.58 7.54	7.56	7.53	2.0 2.0	2.0	2.0	2.0	2.0 2.0	2.0	1.7	NE	3.6	No any influencing factor was observed during monitoring.				
					Middle	11.8	17.3 17.2	17.3	35.7 35.7	35.7	7.5 7.5	7.5	96.7 96.6	96.7	7.49 7.49	7.49	96.6 96.6	96.7	7.49 7.49	7.49		2.0 2.0	2.0					2.0	2.0	2.0	2.0
					Bottom	22.5	17.2 17.2	17.2	35.7 35.7	35.7	7.5 7.5	7.5	96.4 96.4	96.4	7.48 7.48	7.48	96.4 96.4	96.4	7.48 7.48	7.48		2.0 2.0	2.0					2.0	2.0	2.0	2.0
9-Mar-21	CS1	Fine	Moderate	9:59	Surface	1.0	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	98.0 97.7	97.9	7.55 7.53	7.54	7.49	2.1 2.3	2.2	2.2	2.8	3.0 2.8	2.9	2.2	E	3.0	No any influencing factor was observed during monitoring.				
					Middle	11.9	17.5 17.5	17.5	36.0 36.0	36.0	7.8 7.8	7.8	96.4 96.5	96.5	7.43 7.44	7.44	96.5 96.5	96.5	7.43 7.44	7.44		3.0 3.1	3.1					3.1	3.1	3.1	3.1
					Bottom	22.8	17.5 17.5	17.5	36.0 36.0	36.0	7.8 7.8	7.8	96.8 96.5	96.7	7.46 7.44	7.45	96.7 96.5	96.7	7.46 7.44	7.45		3.2 3.2	3.2					3.2	3.2	3.2	3.2
11-Mar-21	CS1	Fine	Moderate	11:37	Surface	1.0	17.7 17.7	17.7	36.1 36.1	36.1	7.8 7.8	7.8	97.2 97.0	97.1	7.46 7.45	7.46	7.41	2.9 2.9	2.9	2.9	3.5	2.3 2.5	2.4	2.7	E	3.2	No any influencing factor was observed during monitoring.				
					Middle	12.0	17.9 17.8	17.8	36.2 36.2	36.2	7.8 7.8	7.8	96.0 96.4	96.2	7.34 7.37	7.36	96.4 96.4	96.2	7.34 7.37	7.36		3.8 3.6	3.7					3.7	3.7	3.7	3.7
					Bottom	23.1	17.9 17.9	17.9	36.2 36.3	36.2	7.8 7.8	7.8	96.6 96.3	96.5	7.38 7.36	7.37	96.5 96.3	96.5	7.38 7.36	7.37		3.8 4.0	3.9					3.9	3.9	3.9	3.9
13-Mar-21	CS1	Fine	Moderate	12:52	Surface	1.0	18.4 18.4	18.4	36.1 36.1	36.1	7.8 7.8	7.8	99.8 99.3	99.6	7.56 7.52	7.54	7.51	2.9 3.0	3.0	3.0	3.2	2.3 2.1	2.2	2.4	NE	0.5	No any influencing factor was observed during monitoring.				
					Middle	12.0	18.3 18.3	18.3	36.1 36.1	36.1	7.8 7.8	7.8	98.5 98.6	98.6	7.47 7.48	7.48	98.6 98.6	98.6	7.47 7.48	7.48		3.3 3.4	3.4					3.4	3.4	3.4	
					Bottom	23.0	18.3 18.3	18.3	36.1 36.1	36.1	7.8 7.8	7.8	98.6 98.4	98.5	7.47 7.46	7.47	98.4 98.4	98.5	7.47 7.46	7.47		3.3 3.1	3.2					3.2	3.2	3.2	3.2
16-Mar-21	CS1	Sunny	Moderate	13:47	Surface	1.0	19.3 19.1	19.2	36.3 36.3	36.3	7.8 7.8	7.8	100.7 101.0	100.9	7.49 7.53	7.51	7.48	3.2 3.1	3.2	3.2	3.3	<1.0 <1.0	<1.0	1.2	SE	1.2	No any influencing factor was observed during monitoring.				
					Middle	11.8	18.9 18.9	18.9	36.4 36.4	36.4	7.8 7.8	7.8	99.3 99.7	99.5	7.43 7.46	7.45	99.7 99.7	99.5	7.43 7.46	7.45		3.3 3.4	3.4					3.4	3.4	3.4	
					Bottom	22.6	18.9 18.9	18.9	36.4 36.4	36.4	7.8 7.7	7.7	99.7 98.8	99.3	7.46 7.40	7.43	99.3 98.8	99.3	7.46 7.40	7.43		3.4 3.3	3.4					3.4	3.4	3.4	3.4
18-Mar-21	CS1	Fine	Moderate	15:02	Surface	1.0	19.6 19.7	19.6	35.8 35.8	35.8	7.8 7.8	7.8	101.2 101.3	101.3	7.50 7.51	7.51	7.43	1.8 1.9	1.9	1.9	2.0	<1.0 <1.0	<1.0	<1.0	E	2.2	No any influencing factor was observed during monitoring.				
					Middle	11.9	19.4 19.4	19.4	36.1 36.1	36.1	7.8 7.8	7.8	98.9 98.8	98.9	7.35 7.34	7.35	98.8 98.8	98.9	7.35 7.34	7.35		1.8 2.0	1.9					1.9	1.9	1.9	
					Bottom	22.8	19.4 19.4	19.4	36.1 36.2	36.2	7.8 7.8	7.8	98.9 99.3	99.1	7.35 7.38	7.37	99.3 99.3	99.1	7.35 7.38	7.37		2.2 2.0	2.1					2.1	2.1	2.1	2.1
20-Mar-21	CS1	Fine	Moderate	16:12	Surface	1.0	20.3 20.4	20.4	36.2 36.2	36.2	7.9 7.9	7.9	105.5 106.0	105.8	7.71 7.74	7.73	7.67	1.8 2.0	1.8	1.8	2.2	1.5 2.0	1.8	1.5	SE	2.0	No any influencing factor was observed during monitoring.				
					Middle	12.0	20.0 20.0	20.0	36.7 36.7	36.7	7.9 7.9	7.9	103.6 103.9	103.8	7.60 7.62	7.61	103.9 103.9	103.8	7.60 7.62	7.61		2.4 2.3	2.4					2.4	2.4	2.4	
					Bottom	23.0	20.0 20.0	20.0	36.8 36.8	36.8	7.9 7.9	7.9	103.2 103.4	103.3	7.57 7.58	7.58	103.4 103.4	103.3	7.57 7.58	7.58		2.6 2.5	2.6					2.6	2.6	2.6	2.6
23-Mar-21	CS1	Cloudy	Rough	20:32	Surface	1.0	19.6 19.6	19.6	36.5 36.5	36.5	8.0 8.0	8.0	102.1 102.3	102.2	7.54 7.56	7.55	7.54	2.2 2.2	2.2	2.2	2.3	3.8 3.7	3.8	3.1	SE	1.3	No any influencing factor was observed during monitoring.				
					Middle	11.8	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	101.8 101.9	101.9	7.52 7.53	7.53	101.9 101.9	101.9	7.52 7.53	7.53		2.3 2.3	2.3					2.3	2.3	2.3	
					Bottom	22.5	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	101.7 101.6	101.7	7.52 7.51	7.52	101.7 101.6	101.7	7.52 7.51	7.52		2.4 2.3	2.4					2.4	2.4	2.4	2.4
25-Mar-21	CS1	Sunny	Moderate	14:41	Surface	1.0	19.7 19.7	19.7	36.4 36.4	36.4	7.9 7.9	7.9	104.2 103.7	104.0	7.69 7.65	7.67	7.66	1.7 1.8	1.8	1.8	1.8	1.6 1.5	1.6	1.4	SE	2.1	No any influencing factor was observed during monitoring.				
					Middle	12.1	19.6 19.6	19.6	36.5 36.5	36.5	7.9 7.9	7.9	103.5 103.6	103.6	7.65 7.65	7.65	103.6 103.6	103.6	7.65 7.65	7.65		1.7 1.7	1.8					1.8	1.8	1.8	
					Bottom	23.2	19.6 19.6	19.6	36.4 36.4	36.4	7.9 7.9	7.9	103.5 102.6	103.1	7.64 7.58	7.61	103.5 102.6	103.1	7.64 7.58	7.61		1.9 1.9	1.9					1.9	1.9	1.9	1.9

*Depth Average

Mid-Flood Tide - CS1

Date	Location	Weather Condition	Sea Condition	Sampling Time	Depth (m)		Temperature (°C)		Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity (NTU)			Suspended Solids (mg/L)			Wind		Remark	
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Direction	Speed (m/s)		
27-Feb-21	CS1	Cloudy	Rough	7:19	Surface	1.0	17.9 17.9	17.9	35.9 35.9	35.9	7.5 7.5	7.5	98.2 98.1	98.2	7.51 7.50	7.51	7.50	2.1 2.0	2.1	2.0	2.1	<1.0 <1.0	<1.0	1.3	E	2.9	No any influencing factor was observed during monitoring.
					Middle	12.0	17.9 17.9	17.9	35.9 35.9	35.9	7.5 7.5	7.5	98.1 98.1	98.1	7.50 7.50	7.50	7.50	2.1 2.1	2.1	2.0	2.1	1.8 1.4	1.4	1.3	E	2.9	
					Bottom	23.0	17.9 17.9	17.9	36.0 36.0	36.0	7.5 7.5	7.5	98.0 98.1	98.1	7.49 7.49	7.49	7.49	2.0 2.0	2.0	2.0	2.0	2.0	1.1 1.6	1.4	1.3	E	
2-Mar-21	CS1	Sunny	Moderate	8:51	Surface	1.0	18.1 18.1	18.1	35.9 35.9	35.9	7.5 7.5	7.5	100.5 100.8	100.7	7.69 7.68	7.69	7.69	1.7 1.7	1.7	1.7	1.7	1.2 1.5	1.4	1.5	N	3.4	No any influencing factor was observed during monitoring.
					Middle	12.1	17.6 17.6	17.6	35.9 35.9	35.9	7.5 7.5	7.5	99.8 99.3	99.6	7.67 7.64	7.66	7.66	1.8 1.8	1.8	1.8	1.8	1.7 1.5	1.6	1.5	N	3.4	
					Bottom	23.2	17.6 17.6	17.6	35.9 35.9	35.9	7.5 7.5	7.5	99.0 99.3	99.2	7.61 7.64	7.63	7.63	1.8 1.7	1.8	1.8	1.8	1.1 1.1	1.4	1.5	N	3.4	
4-Mar-21	CS1	Fine	Moderate	9:50	Surface	1.0	17.4 17.4	17.4	35.8 35.8	35.8	7.6 7.6	7.6	99.4 99.3	99.4	7.71 7.71	7.71	7.71	2.2 2.2	2.2	2.2	2.2	1.9 1.5	1.7	1.7	NE	3.1	No any influencing factor was observed during monitoring.
					Middle	11.8	17.2 17.2	17.2	35.8 35.8	35.8	7.6 7.6	7.6	98.2 97.9	98.1	7.62 7.60	7.61	7.61	2.3 2.5	2.4	2.4	2.4	2.1 1.8	2.0	1.9	NE	3.1	
					Bottom	22.6	17.2 17.2	17.2	35.8 35.8	35.8	7.6 7.6	7.6	98.4 98.6	98.5	7.64 7.65	7.65	7.65	2.6 2.6	2.6	2.6	2.6	2.4 1.6	2.0	1.9	NE	3.1	
6-Mar-21	CS1	Fine	Moderate	10:54	Surface	1.0	17.3 17.3	17.3	35.7 35.7	35.7	7.3 7.3	7.3	98.5 98.5	98.5	7.63 7.62	7.63	7.63	1.8 1.8	1.8	1.8	1.8	1.0 1.2	1.1	1.1	NE	2.5	No any influencing factor was observed during monitoring.
					Middle	12.0	17.3 17.3	17.3	35.7 35.7	35.7	7.3 7.3	7.3	98.3 98.2	98.3	7.62 7.61	7.62	7.62	1.8 1.8	1.8	1.8	1.8	1.8 2.5	2.2	1.8	NE	2.5	
					Bottom	23.0	17.2 17.2	17.2	35.7 35.7	35.7	7.3 7.3	7.3	97.8 97.7	97.8	7.59 7.58	7.59	7.59	1.9 2.0	2.0	2.0	2.0	1.6 2.8	2.2	1.8	NE	2.5	
9-Mar-21	CS1	Fine	Moderate	14:16	Surface	1.0	17.6 17.7	17.6	35.7 35.7	35.7	7.8 7.8	7.8	98.3 98.5	98.4	7.56 7.58	7.57	7.56	1.9 1.9	1.9	1.9	1.9	2.1 2.6	2.4	2.4	E	3.5	No any influencing factor was observed during monitoring.
					Middle	12.0	17.5 17.5	17.5	35.8 35.8	35.8	7.8 7.8	7.8	97.6 97.6	97.6	7.53 7.52	7.53	7.53	2.0 2.0	2.0	2.0	2.0	2.0 2.4	2.2	2.1	E	3.5	
					Bottom	22.9	17.5 17.5	17.5	35.9 35.9	35.9	7.8 7.8	7.8	97.5 97.1	97.3	7.52 7.49	7.51	7.51	2.1 2.0	2.1	2.1	2.1	1.5 1.7	1.6	2.1	E	3.5	
11-Mar-21	CS1	Fine	Moderate	16:22	Surface	1.0	17.8 17.8	17.8	36.0 36.0	36.0	7.8 7.7	7.7	98.5 98.5	98.5	7.54 7.55	7.55	7.55	2.3 2.3	2.3	2.3	2.3	2.9 2.4	2.7	2.7	E	2.8	No any influencing factor was observed during monitoring.
					Middle	12.1	17.9 17.9	17.9	36.2 36.2	36.2	7.7 7.8	7.8	97.8 97.4	97.6	7.46 7.44	7.45	7.45	2.7 2.8	2.8	2.8	2.8	3.4 3.0	3.3	3.1	E	2.8	
					Bottom	23.2	18.0 17.9	18.0	36.2 36.2	36.2	7.7 7.8	7.7	97.3 97.3	97.3	7.42 7.43	7.43	7.43	3.2 3.0	3.1	3.1	3.1	3.2 3.7	3.4	3.1	E	2.8	
13-Mar-21	CS1	Fine	Moderate	17:50	Surface	1.0	18.5 18.5	18.5	36.1 36.1	36.1	7.8 7.8	7.8	100.0 99.9	100.0	7.56 7.56	7.56	7.56	2.9 3.1	3.0	3.0	3.0	3.2 3.4	3.3	3.3	N	1.1	No any influencing factor was observed during monitoring.
					Middle	12.0	18.4 18.4	18.4	36.2 36.2	36.2	7.8 7.8	7.8	98.9 99.2	99.1	7.49 7.51	7.50	7.50	3.5 3.7	3.6	3.6	3.6	4.4 4.0	4.2	4.1	N	1.1	
					Bottom	23.0	18.4 18.4	18.4	36.2 36.2	36.2	7.7 7.8	7.7	99.1 99.2	99.2	7.50 7.51	7.51	7.51	3.4 3.5	3.5	3.5	3.5	4.9 4.4	4.7	4.1	N	1.1	
16-Mar-21	CS1	Sunny	Moderate	8:12	Surface	1.0	19.1 19.1	19.1	36.3 36.3	36.3	7.8 7.8	7.8	101.0 101.1	101.1	7.54 7.54	7.54	7.54	2.5 2.4	2.5	2.5	2.5	1.4 1.3	1.4	1.4	E	3.8	No any influencing factor was observed during monitoring.
					Middle	11.9	19.0 19.0	19.0	36.3 36.3	36.3	7.8 7.8	7.8	100.5 100.2	100.4	7.51 7.49	7.50	7.50	2.8 2.7	2.8	2.8	2.8	1.3 1.2	1.3	1.2	E	3.8	
					Bottom	22.8	19.0 19.0	19.0	36.3 36.3	36.3	7.8 7.8	7.8	100.2 99.9	100.1	7.49 7.47	7.48	7.48	2.6 2.7	2.7	2.7	2.7	<1.0 1.0	1.0	1.0	E	3.8	
18-Mar-21	CS1	Fine	Moderate	9:04	Surface	1.0	19.6 19.6	19.6	36.1 36.1	36.1	7.8 7.8	7.8	101.8 102.2	102.0	7.53 7.56	7.55	7.55	1.8 1.8	1.8	1.8	1.8	<1.0 <1.0	<1.0	1.1	SE	2.2	No any influencing factor was observed during monitoring.
					Middle	11.8	19.4 19.4	19.4	36.1 36.1	36.1	7.8 7.8	7.8	99.8 100.7	100.3	7.41 7.48	7.45	7.45	1.9 1.8	1.9	1.9	1.9	<1.0 <1.0	<1.0	1.1	SE	2.2	
					Bottom	22.6	19.4 19.4	19.4	36.1 36.2	36.1	7.8 7.8	7.8	100.3 100.6	100.5	7.45 7.47	7.46	7.46	2.2 2.4	2.3	2.3	2.3	1.0 1.5	1.3	1.1	SE	2.2	
20-Mar-21	CS1	Fine	Moderate	9:19	Surface	1.0	20.0 20.0	20.0	36.1 36.0	36.1	7.9 7.9	7.9	105.4 105.4	105.4	7.74 7.75	7.75	7.75	1.9 1.8	1.9	1.9	1.9	1.3 1.5	1.4	1.4	E	1.7	No any influencing factor was observed during monitoring.
					Middle	12.0	19.9 19.9	19.9	36.4 36.4	36.4	7.9 7.9	7.9	104.5 104.0	104.3	7.67 7.64	7.66	7.66	2.0 2.0	2.0	2.0	2.0	1.4 1.1	1.3	1.4	E	1.7	
					Bottom	23.0	19.8 19.8	19.8	36.4 36.4	36.4	7.9 7.9	7.9	103.3 103.7	103.5	7.60 7.62	7.61	7.61	2.2 1.9	2.1	2.1	2.1	1.8 1.2	1.5	1.4	E	1.7	
23-Mar-21	CS1	Cloudy	Rough	8:32	Surface	1.0	19.4 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	102.9 101.6	102.3	7.62 7.54	7.58	7.58	2.0 2.0	2.0	2.0	2.0	2.6 2.6	2.6	2.6	SE	3.8	No any influencing factor was observed during monitoring.
					Middle	12.0	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	101.8 101.4	101.6	7.52 7.51	7.52	7.52	2.1 2.1	2.2	2.2	2.2	2.6 2.6	2.6	2.6	SE	3.8	
					Bottom	23.0	19.5 19.5	19.5	36.5 36.5	36.5	8.0 7.9	7.9	101.0 100.8	100.9	7.48 7.46	7.47	7.47	2.2 2.3	2.3	2.3	2.3	2.6 2.5	2.5	2.6	SE	3.8	
25-Mar-21	CS1	Sunny	Moderate	8:41	Surface	1.0	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	101.6 101.7	101.7	7.51 7.52	7.52	7.52	2.6 2.5	2.55	2.55	2.55	1.7 1.5	1.6	1.6	SE	4.2	No any influencing factor was observed during monitoring.
					Middle	12.1	19.5 19.5	19.5	36.5 36.5	36.5	7.9 7.9	7.9	100.5 99.9	100.2	7.44 7.39	7.42	7.42	2.8 2.8	2.70	2.70	2.70	1.6 1.6	1.7	1.6	SE	4.2	
					Bottom	23.2	19.5 19.5	19.5	36.5 36.5	36.5	7.8 7.9	7.9	99.0 100.5	99.8	7.32 7.43	7.38	7.38	2.8 2.6	2.70	2.70	2.70	1.9 1.6	1.6	1.6	SE	4.2	

*Depth Average

**APPENDIX C
LABORATORY RESULT**



CERTIFICATE OF ANALYSIS

<i>Client</i>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
<i>Contact</i>	: MR Y W FUNG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2107182
<i>Address</i>	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: yw.fung@aecom.com	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 27-Feb-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 08-Mar-2021
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)			<i>No. of samples</i>	- Received : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		- Analysed : 80
<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 27-Feb-2021 to 08-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 HK2107182 :

Sample(s) was/ were picked up from client by ALS staff. 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.

EA025 - The accredited LOR of Total Suspended Solids is 0.5mg/L when 2 Litres sample was used. Due to insufficient sample, the results below 2mg/L and the decimal value of the results reported are for reference only.



Analytical Results

Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	27-Feb-2021	HK2107182-001	<1.0	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-002	<1.0	---	---	---	---	---
B2/B/ Mid-Ebb	27-Feb-2021	HK2107182-005	<1.0	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-006	<1.0	---	---	---	---	---
C3/S/ Mid-Ebb	27-Feb-2021	HK2107182-007	1.1	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-008	1.0	---	---	---	---	---
C3/M/ Mid-Ebb	27-Feb-2021	HK2107182-009	<1.0	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-010	<1.0	---	---	---	---	---
C3/B/ Mid-Ebb	27-Feb-2021	HK2107182-011	<1.0	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-012	<1.0	---	---	---	---	---
C4/S/ Mid-Ebb	27-Feb-2021	HK2107182-013	<1.0	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-014	<1.0	---	---	---	---	---
C4/M/ Mid-Ebb	27-Feb-2021	HK2107182-015	<1.0	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-016	<1.0	---	---	---	---	---
C4/B/ Mid-Ebb	27-Feb-2021	HK2107182-017	<1.0	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-018	<1.0	---	---	---	---	---
F1/S/ Mid-Ebb	27-Feb-2021	HK2107182-019	1.0	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-020	1.3	---	---	---	---	---
F1/M/ Mid-Ebb	27-Feb-2021	HK2107182-021	<1.0	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-022	<1.0	---	---	---	---	---
F1/B/ Mid-Ebb	27-Feb-2021	HK2107182-023	<1.0	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-024	<1.0	---	---	---	---	---
F2/S/ Mid-Ebb	27-Feb-2021	HK2107182-025	1.0	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-026	1.2	---	---	---	---	---
F2/M/ Mid-Ebb	27-Feb-2021	HK2107182-027	<1.0	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-028	<1.0	---	---	---	---	---
F2/B/ Mid-Ebb	27-Feb-2021	HK2107182-029	<1.0	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-030	<1.0	---	---	---	---	---
GS1/S/ Mid-Ebb	27-Feb-2021	HK2107182-031	1.0	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-032	1.2	---	---	---	---	---
GS1/M/ Mid-Ebb	27-Feb-2021	HK2107182-033	1.4	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-034	1.0	---	---	---	---	---
GS1/B/ Mid-Ebb	27-Feb-2021	HK2107182-035	<1.0	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-036	<1.0	---	---	---	---	---
CS1/S/ Mid-Ebb	27-Feb-2021	HK2107182-037	<1.0	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-038	<1.0	---	---	---	---	---
CS1/M/ Mid-Ebb	27-Feb-2021	HK2107182-039	<1.0	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-040	<1.0	---	---	---	---	---
CS1/B/ Mid-Ebb	27-Feb-2021	HK2107182-041	<1.0	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	27-Feb-2021	HK2107182-042	<1.0	---	---	---	---	---
B2/S/ Mid-Flood	27-Feb-2021	HK2107182-043	<1.0	---	---	---	---	---
B2/S/Duplicate Mid-Flood	27-Feb-2021	HK2107182-044	<1.0	---	---	---	---	---
B2/B/ Mid-Flood	27-Feb-2021	HK2107182-047	<1.0	---	---	---	---	---
B2/B/Duplicate Mid-Flood	27-Feb-2021	HK2107182-048	<1.0	---	---	---	---	---
C3/S/ Mid-Flood	27-Feb-2021	HK2107182-049	1.0	---	---	---	---	---
C3/S/Duplicate Mid-Flood	27-Feb-2021	HK2107182-050	1.5	---	---	---	---	---
C3/M/ Mid-Flood	27-Feb-2021	HK2107182-051	1.0	---	---	---	---	---
C3/M/Duplicate Mid-Flood	27-Feb-2021	HK2107182-052	1.1	---	---	---	---	---
C3/B/ Mid-Flood	27-Feb-2021	HK2107182-053	<1.0	---	---	---	---	---
C3/B/Duplicate Mid-Flood	27-Feb-2021	HK2107182-054	<1.0	---	---	---	---	---
C4/S/ Mid-Flood	27-Feb-2021	HK2107182-055	<1.0	---	---	---	---	---
C4/S/Duplicate Mid-Flood	27-Feb-2021	HK2107182-056	<1.0	---	---	---	---	---
C4/M/ Mid-Flood	27-Feb-2021	HK2107182-057	<1.0	---	---	---	---	---
C4/M/Duplicate Mid-Flood	27-Feb-2021	HK2107182-058	<1.0	---	---	---	---	---
C4/B/ Mid-Flood	27-Feb-2021	HK2107182-059	<1.0	---	---	---	---	---
C4/B/Duplicate Mid-Flood	27-Feb-2021	HK2107182-060	<1.0	---	---	---	---	---
F1/S/ Mid-Flood	27-Feb-2021	HK2107182-061	<1.0	---	---	---	---	---
F1/S/Duplicate Mid-Flood	27-Feb-2021	HK2107182-062	<1.0	---	---	---	---	---
F1/M/ Mid-Flood	27-Feb-2021	HK2107182-063	<1.0	---	---	---	---	---
F1/M/Duplicate Mid-Flood	27-Feb-2021	HK2107182-064	<1.0	---	---	---	---	---
F1/B/ Mid-Flood	27-Feb-2021	HK2107182-065	<1.0	---	---	---	---	---
F1/B/Duplicate Mid-Flood	27-Feb-2021	HK2107182-066	<1.0	---	---	---	---	---
F2/S/ Mid-Flood	27-Feb-2021	HK2107182-067	<1.0	---	---	---	---	---
F2/S/Duplicate Mid-Flood	27-Feb-2021	HK2107182-068	<1.0	---	---	---	---	---



Sub-Matrix: WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	1.0 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
F2/M/ Mid-Flood	27-Feb-2021	HK2107182-069	<1.0	----	----	----	----	----
F2/M/Duplicate Mid-Flood	27-Feb-2021	HK2107182-070	<1.0	----	----	----	----	----
F2/B/ Mid-Flood	27-Feb-2021	HK2107182-071	<1.0	----	----	----	----	----
F2/B/Duplicate Mid-Flood	27-Feb-2021	HK2107182-072	<1.0	----	----	----	----	----
GS1/S/ Mid-Flood	27-Feb-2021	HK2107182-073	<1.0	----	----	----	----	----
GS1/S/Duplicate Mid-Flood	27-Feb-2021	HK2107182-074	<1.0	----	----	----	----	----
GS1/M/ Mid-Flood	27-Feb-2021	HK2107182-075	<1.0	----	----	----	----	----
GS1/M/Duplicate Mid-Flood	27-Feb-2021	HK2107182-076	<1.0	----	----	----	----	----
GS1/B/ Mid-Flood	27-Feb-2021	HK2107182-077	1.0	----	----	----	----	----
GS1/B/Duplicate Mid-Flood	27-Feb-2021	HK2107182-078	1.2	----	----	----	----	----
CS1/S/ Mid-Flood	27-Feb-2021	HK2107182-079	<1.0	----	----	----	----	----
CS1/S/Duplicate Mid-Flood	27-Feb-2021	HK2107182-080	<1.0	----	----	----	----	----
CS1/M/ Mid-Flood	27-Feb-2021	HK2107182-081	1.0	----	----	----	----	----
CS1/M/Duplicate Mid-Flood	27-Feb-2021	HK2107182-082	1.8	----	----	----	----	----
CS1/B/ Mid-Flood	27-Feb-2021	HK2107182-083	1.1	----	----	----	----	----
CS1/B/Duplicate Mid-Flood	27-Feb-2021	HK2107182-084	1.6	----	----	----	----	----



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: 3538321)								
HK2107182-001	B2/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2107182-013	C4/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3538322)								
HK2107182-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2107182-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.4	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3538323)								
HK2107182-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2107182-055	C4/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3538324)								
HK2107182-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2107182-075	GS1/M/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	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: 3538321)											
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: 3538322)											
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: 3538323)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	98.0	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3538324)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	95.5	----	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>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
<i>Contact</i>	: MR Y W FUNG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2107183
<i>Address</i>	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: yw.fung@aecom.com	<i>E-mail</i>	: richard.fung@alsglobal.com	<i>Date received</i>	: 02-Mar-2021
<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date of issue</i>	: 10-Mar-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>No. of samples</i>	- Received : 80
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)				- Analysed : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		
<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 02-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 HK2107183 :

Sample(s) was/ were picked up from client by ALS staff. 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.

EA025 - The accredited LOR of Total Suspended Solids is 0.5mg/L when 2 Litres sample was used. Due to insufficient sample, the results below 2mg/L and the decimal value of the results reported are for reference only.



Analytical Results

Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	02-Mar-2021	HK2107183-001	1.3	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-002	2.0	---	---	---	---	---
B2/B/ Mid-Ebb	02-Mar-2021	HK2107183-005	2.6	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-006	2.4	---	---	---	---	---
C3/S/ Mid-Ebb	02-Mar-2021	HK2107183-007	2.5	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-008	1.5	---	---	---	---	---
C3/M/ Mid-Ebb	02-Mar-2021	HK2107183-009	2.0	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-010	1.3	---	---	---	---	---
C3/B/ Mid-Ebb	02-Mar-2021	HK2107183-011	1.2	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-012	2.0	---	---	---	---	---
C4/S/ Mid-Ebb	02-Mar-2021	HK2107183-013	1.0	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-014	1.4	---	---	---	---	---
C4/M/ Mid-Ebb	02-Mar-2021	HK2107183-015	2.4	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-016	2.9	---	---	---	---	---
C4/B/ Mid-Ebb	02-Mar-2021	HK2107183-017	2.7	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-018	3.0	---	---	---	---	---
F1/S/ Mid-Ebb	02-Mar-2021	HK2107183-019	2.7	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-020	2.0	---	---	---	---	---
F1/M/ Mid-Ebb	02-Mar-2021	HK2107183-021	1.8	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-022	2.6	---	---	---	---	---
F1/B/ Mid-Ebb	02-Mar-2021	HK2107183-023	1.0	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-024	1.8	---	---	---	---	---
F2/S/ Mid-Ebb	02-Mar-2021	HK2107183-025	2.3	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-026	1.6	---	---	---	---	---
F2/M/ Mid-Ebb	02-Mar-2021	HK2107183-027	2.0	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-028	1.2	---	---	---	---	---
F2/B/ Mid-Ebb	02-Mar-2021	HK2107183-029	1.0	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-030	1.0	---	---	---	---	---
GS1/S/ Mid-Ebb	02-Mar-2021	HK2107183-031	1.2	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-032	2.2	---	---	---	---	---
GS1/M/ Mid-Ebb	02-Mar-2021	HK2107183-033	1.9	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-034	2.2	---	---	---	---	---
GS1/B/ Mid-Ebb	02-Mar-2021	HK2107183-035	2.0	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-036	1.4	---	---	---	---	---
CS1/S/ Mid-Ebb	02-Mar-2021	HK2107183-037	3.4	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-038	3.0	---	---	---	---	---
CS1/M/ Mid-Ebb	02-Mar-2021	HK2107183-039	2.6	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-040	3.0	---	---	---	---	---
CS1/B/ Mid-Ebb	02-Mar-2021	HK2107183-041	1.9	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	02-Mar-2021	HK2107183-042	2.5	---	---	---	---	---
B2/S/ Mid-Flood	02-Mar-2021	HK2107183-043	<1.0	---	---	---	---	---
B2/S/Duplicate Mid-Flood	02-Mar-2021	HK2107183-044	1.6	---	---	---	---	---
B2/B/ Mid-Flood	02-Mar-2021	HK2107183-047	1.9	---	---	---	---	---
B2/B/Duplicate Mid-Flood	02-Mar-2021	HK2107183-048	1.2	---	---	---	---	---
C3/S/ Mid-Flood	02-Mar-2021	HK2107183-049	1.4	---	---	---	---	---
C3/S/Duplicate Mid-Flood	02-Mar-2021	HK2107183-050	2.3	---	---	---	---	---
C3/M/ Mid-Flood	02-Mar-2021	HK2107183-051	1.6	---	---	---	---	---
C3/M/Duplicate Mid-Flood	02-Mar-2021	HK2107183-052	1.4	---	---	---	---	---
C3/B/ Mid-Flood	02-Mar-2021	HK2107183-053	1.1	---	---	---	---	---
C3/B/Duplicate Mid-Flood	02-Mar-2021	HK2107183-054	1.4	---	---	---	---	---
C4/S/ Mid-Flood	02-Mar-2021	HK2107183-055	<1.0	---	---	---	---	---
C4/S/Duplicate Mid-Flood	02-Mar-2021	HK2107183-056	<1.0	---	---	---	---	---
C4/M/ Mid-Flood	02-Mar-2021	HK2107183-057	1.1	---	---	---	---	---
C4/M/Duplicate Mid-Flood	02-Mar-2021	HK2107183-058	1.6	---	---	---	---	---
C4/B/ Mid-Flood	02-Mar-2021	HK2107183-059	2.0	---	---	---	---	---
C4/B/Duplicate Mid-Flood	02-Mar-2021	HK2107183-060	1.6	---	---	---	---	---
F1/S/ Mid-Flood	02-Mar-2021	HK2107183-061	1.2	---	---	---	---	---
F1/S/Duplicate Mid-Flood	02-Mar-2021	HK2107183-062	1.6	---	---	---	---	---
F1/M/ Mid-Flood	02-Mar-2021	HK2107183-063	1.5	---	---	---	---	---
F1/M/Duplicate Mid-Flood	02-Mar-2021	HK2107183-064	1.0	---	---	---	---	---
F1/B/ Mid-Flood	02-Mar-2021	HK2107183-065	<1.0	---	---	---	---	---
F1/B/Duplicate Mid-Flood	02-Mar-2021	HK2107183-066	<1.0	---	---	---	---	---
F2/S/ Mid-Flood	02-Mar-2021	HK2107183-067	1.3	---	---	---	---	---
F2/S/Duplicate Mid-Flood	02-Mar-2021	HK2107183-068	2.0	---	---	---	---	---



Sub-Matrix: WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	1.0 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
F2/M/ Mid-Flood	02-Mar-2021	HK2107183-069	2.2	----	----	----	----	----
F2/M/Duplicate Mid-Flood	02-Mar-2021	HK2107183-070	2.4	----	----	----	----	----
F2/B/ Mid-Flood	02-Mar-2021	HK2107183-071	2.6	----	----	----	----	----
F2/B/Duplicate Mid-Flood	02-Mar-2021	HK2107183-072	2.1	----	----	----	----	----
GS1/S/ Mid-Flood	02-Mar-2021	HK2107183-073	1.4	----	----	----	----	----
GS1/S/Duplicate Mid-Flood	02-Mar-2021	HK2107183-074	1.0	----	----	----	----	----
GS1/M/ Mid-Flood	02-Mar-2021	HK2107183-075	1.0	----	----	----	----	----
GS1/M/Duplicate Mid-Flood	02-Mar-2021	HK2107183-076	1.6	----	----	----	----	----
GS1/B/ Mid-Flood	02-Mar-2021	HK2107183-077	1.8	----	----	----	----	----
GS1/B/Duplicate Mid-Flood	02-Mar-2021	HK2107183-078	1.2	----	----	----	----	----
CS1/S/ Mid-Flood	02-Mar-2021	HK2107183-079	1.2	----	----	----	----	----
CS1/S/Duplicate Mid-Flood	02-Mar-2021	HK2107183-080	1.5	----	----	----	----	----
CS1/M/ Mid-Flood	02-Mar-2021	HK2107183-081	1.7	----	----	----	----	----
CS1/M/Duplicate Mid-Flood	02-Mar-2021	HK2107183-082	1.5	----	----	----	----	----
CS1/B/ Mid-Flood	02-Mar-2021	HK2107183-083	1.7	----	----	----	----	----
CS1/B/Duplicate Mid-Flood	02-Mar-2021	HK2107183-084	1.1	----	----	----	----	----



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: 3543558)								
HK2107183-001	B2/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.3	1.6	17.2
HK2107183-013	C4/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.0	1.2	20.2
EA/ED: Physical and Aggregate Properties (QC Lot: 3543559)								
HK2107183-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.0	1.3	21.7
HK2107183-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.9	2.0	5.06
EA/ED: Physical and Aggregate Properties (QC Lot: 3543560)								
HK2107183-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2107183-055	C4/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3543561)								
HK2107183-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2107183-075	GS1/M/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.0	1.3	19.4

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: 3543558)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	108	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3543559)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	110	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3543560)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	102	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3543561)											
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>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
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<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date of issue</i>	: 12-Mar-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>No. of samples</i>	- Received : 80
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)				- Analysed : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		
<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 04-Mar-2021 to 11-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 HK2107184 :

Sample(s) was/ were picked up from client by ALS staff. 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.

EA025 - The accredited LOR of Total Suspended Solids is 0.5mg/L when 2 Litres sample was used. Due to insufficient sample, the results below 2mg/L and the decimal value of the results reported are for reference only.



Analytical Results

Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	04-Mar-2021	HK2107184-001	1.4	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-002	2.2	---	---	---	---	---
B2/B/ Mid-Ebb	04-Mar-2021	HK2107184-005	2.8	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-006	2.3	---	---	---	---	---
C3/S/ Mid-Ebb	04-Mar-2021	HK2107184-007	1.5	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-008	1.8	---	---	---	---	---
C3/M/ Mid-Ebb	04-Mar-2021	HK2107184-009	2.6	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-010	2.4	---	---	---	---	---
C3/B/ Mid-Ebb	04-Mar-2021	HK2107184-011	2.3	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-012	2.8	---	---	---	---	---
C4/S/ Mid-Ebb	04-Mar-2021	HK2107184-013	2.0	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-014	2.2	---	---	---	---	---
C4/M/ Mid-Ebb	04-Mar-2021	HK2107184-015	1.5	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-016	2.0	---	---	---	---	---
C4/B/ Mid-Ebb	04-Mar-2021	HK2107184-017	1.4	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-018	1.3	---	---	---	---	---
F1/S/ Mid-Ebb	04-Mar-2021	HK2107184-019	2.5	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-020	2.2	---	---	---	---	---
F1/M/ Mid-Ebb	04-Mar-2021	HK2107184-021	2.0	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-022	2.0	---	---	---	---	---
F1/B/ Mid-Ebb	04-Mar-2021	HK2107184-023	1.6	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-024	1.8	---	---	---	---	---
F2/S/ Mid-Ebb	04-Mar-2021	HK2107184-025	3.0	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-026	2.8	---	---	---	---	---
F2/M/ Mid-Ebb	04-Mar-2021	HK2107184-027	3.0	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-028	2.8	---	---	---	---	---
F2/B/ Mid-Ebb	04-Mar-2021	HK2107184-029	2.6	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-030	2.7	---	---	---	---	---
GS1/S/ Mid-Ebb	04-Mar-2021	HK2107184-031	1.8	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-032	2.0	---	---	---	---	---
GS1/M/ Mid-Ebb	04-Mar-2021	HK2107184-033	1.4	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-034	2.0	---	---	---	---	---
GS1/B/ Mid-Ebb	04-Mar-2021	HK2107184-035	2.3	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-036	2.9	---	---	---	---	---
CS1/S/ Mid-Ebb	04-Mar-2021	HK2107184-037	2.3	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-038	1.5	---	---	---	---	---
CS1/M/ Mid-Ebb	04-Mar-2021	HK2107184-039	1.6	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-040	2.4	---	---	---	---	---
CS1/B/ Mid-Ebb	04-Mar-2021	HK2107184-041	2.2	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	04-Mar-2021	HK2107184-042	2.3	---	---	---	---	---
B2/S/ Mid-Flood	04-Mar-2021	HK2107184-043	1.0	---	---	---	---	---
B2/S/Duplicate Mid-Flood	04-Mar-2021	HK2107184-044	2.2	---	---	---	---	---
B2/B/ Mid-Flood	04-Mar-2021	HK2107184-047	1.8	---	---	---	---	---
B2/B/Duplicate Mid-Flood	04-Mar-2021	HK2107184-048	1.3	---	---	---	---	---
C3/S/ Mid-Flood	04-Mar-2021	HK2107184-049	2.3	---	---	---	---	---
C3/S/Duplicate Mid-Flood	04-Mar-2021	HK2107184-050	1.4	---	---	---	---	---
C3/M/ Mid-Flood	04-Mar-2021	HK2107184-051	1.3	---	---	---	---	---
C3/M/Duplicate Mid-Flood	04-Mar-2021	HK2107184-052	1.6	---	---	---	---	---
C3/B/ Mid-Flood	04-Mar-2021	HK2107184-053	1.3	---	---	---	---	---
C3/B/Duplicate Mid-Flood	04-Mar-2021	HK2107184-054	1.4	---	---	---	---	---
C4/S/ Mid-Flood	04-Mar-2021	HK2107184-055	1.4	---	---	---	---	---
C4/S/Duplicate Mid-Flood	04-Mar-2021	HK2107184-056	1.9	---	---	---	---	---
C4/M/ Mid-Flood	04-Mar-2021	HK2107184-057	2.0	---	---	---	---	---
C4/M/Duplicate Mid-Flood	04-Mar-2021	HK2107184-058	2.2	---	---	---	---	---
C4/B/ Mid-Flood	04-Mar-2021	HK2107184-059	2.6	---	---	---	---	---
C4B/Duplicate Mid-Flood	04-Mar-2021	HK2107184-060	2.5	---	---	---	---	---
F1/S/ Mid-Flood	04-Mar-2021	HK2107184-061	2.0	---	---	---	---	---
F1/S/Duplicate Mid-Flood	04-Mar-2021	HK2107184-062	2.3	---	---	---	---	---
F1/M/ Mid-Flood	04-Mar-2021	HK2107184-063	2.6	---	---	---	---	---
F1/M/Duplicate Mid-Flood	04-Mar-2021	HK2107184-064	2.1	---	---	---	---	---
F1/B/ Mid-Flood	04-Mar-2021	HK2107184-065	1.8	---	---	---	---	---
F1/B/Duplicate Mid-Flood	04-Mar-2021	HK2107184-066	2.0	---	---	---	---	---
F2/S/ Mid-Flood	04-Mar-2021	HK2107184-067	1.2	---	---	---	---	---
F2/S/Duplicate Mid-Flood	04-Mar-2021	HK2107184-068	1.4	---	---	---	---	---



Sub-Matrix: WATER

			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
F2/M/ Mid-Flood	04-Mar-2021	HK2107184-069	1.9	---	---	---	---	---
F2/M/Duplicate Mid-Flood	04-Mar-2021	HK2107184-070	2.1	---	---	---	---	---
F2/B/ Mid-Flood	04-Mar-2021	HK2107184-071	1.5	---	---	---	---	---
F2/B/Duplicate Mid-Flood	04-Mar-2021	HK2107184-072	2.2	---	---	---	---	---
GS1/S/ Mid-Flood	04-Mar-2021	HK2107184-073	<1.0	---	---	---	---	---
GS1/S/Duplicate Mid-Flood	04-Mar-2021	HK2107184-074	<1.0	---	---	---	---	---
GS1/M/ Mid-Flood	04-Mar-2021	HK2107184-075	1.4	---	---	---	---	---
GS1/M/Duplicate Mid-Flood	04-Mar-2021	HK2107184-076	1.1	---	---	---	---	---
GS1/B/ Mid-Flood	04-Mar-2021	HK2107184-077	1.0	---	---	---	---	---
GS1/B/Duplicate Mid-Flood	04-Mar-2021	HK2107184-078	1.8	---	---	---	---	---
CS1/S/ Mid-Flood	04-Mar-2021	HK2107184-079	1.9	---	---	---	---	---
CS1/S/Duplicate Mid-Flood	04-Mar-2021	HK2107184-080	1.5	---	---	---	---	---
CS1/M/ Mid-Flood	04-Mar-2021	HK2107184-081	2.1	---	---	---	---	---
CS1/M/Duplicate Mid-Flood	04-Mar-2021	HK2107184-082	1.8	---	---	---	---	---
CS1/B/ Mid-Flood	04-Mar-2021	HK2107184-083	2.4	---	---	---	---	---
CS1/B/Duplicate Mid-Flood	04-Mar-2021	HK2107184-084	1.6	---	---	---	---	---



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: 3549066)								
HK2107184-001	B2/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.6	15.4
HK2107184-013	C4/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.0	2.0	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3549067)								
HK2107184-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.6	1.4	10.0
HK2107184-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.7	19.7
EA/ED: Physical and Aggregate Properties (QC Lot: 3549068)								
HK2107184-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.0	1.2	22.2
HK2107184-055	C4/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.1	18.2
EA/ED: Physical and Aggregate Properties (QC Lot: 3549069)								
HK2107184-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.8	1.6	10.4
HK2107184-077	GS1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.0	1.3	26.1

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: 3549066)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	102	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3549067)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	93.5	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3549068)											
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: 3549069)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	110	----	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>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
<i>Contact</i>	: MR Y W FUNG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2108182
<i>Address</i>	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: yw.fung@aecom.com	<i>E-mail</i>	: richard.fung@alsglobal.com	<i>Date received</i>	: 06-Mar-2021
<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date of issue</i>	: 15-Mar-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>No. of samples</i>	- Received : 80
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)				- Analysed : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		
<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 06-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 HK2108182 :

Sample(s) was/ were picked up from client by ALS staff. 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.

EA025 - The accredited LOR of Total Suspended Solids is 0.5mg/L when 2 Litres sample was used. Due to insufficient sample, the results below 2mg/L and the decimal value of the results reported are for reference only.



Analytical Results

Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	06-Mar-2021	HK2108182-001	<1.0	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-002	<1.0	---	---	---	---	---
B2/B/ Mid-Ebb	06-Mar-2021	HK2108182-005	<1.0	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-006	<1.0	---	---	---	---	---
C3/S/ Mid-Ebb	06-Mar-2021	HK2108182-007	2.0	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-008	1.3	---	---	---	---	---
C3/M/ Mid-Ebb	06-Mar-2021	HK2108182-009	1.7	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-010	1.1	---	---	---	---	---
C3/B/ Mid-Ebb	06-Mar-2021	HK2108182-011	1.3	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-012	1.2	---	---	---	---	---
C4/S/ Mid-Ebb	06-Mar-2021	HK2108182-013	2.1	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-014	1.8	---	---	---	---	---
C4/M/ Mid-Ebb	06-Mar-2021	HK2108182-015	1.4	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-016	1.4	---	---	---	---	---
C4/B/ Mid-Ebb	06-Mar-2021	HK2108182-017	1.2	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-018	1.3	---	---	---	---	---
F1/S/ Mid-Ebb	06-Mar-2021	HK2108182-019	1.3	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-020	1.7	---	---	---	---	---
F1/M/ Mid-Ebb	06-Mar-2021	HK2108182-021	1.3	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-022	1.6	---	---	---	---	---
F1/B/ Mid-Ebb	06-Mar-2021	HK2108182-023	<1.0	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-024	<1.0	---	---	---	---	---
F2/S/ Mid-Ebb	06-Mar-2021	HK2108182-025	1.1	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-026	2.2	---	---	---	---	---
F2/M/ Mid-Ebb	06-Mar-2021	HK2108182-027	1.4	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-028	1.6	---	---	---	---	---
F2/B/ Mid-Ebb	06-Mar-2021	HK2108182-029	1.0	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-030	1.7	---	---	---	---	---
GS1/S/ Mid-Ebb	06-Mar-2021	HK2108182-031	1.1	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-032	1.5	---	---	---	---	---
GS1/M/ Mid-Ebb	06-Mar-2021	HK2108182-033	1.5	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-034	1.0	---	---	---	---	---
GS1/B/ Mid-Ebb	06-Mar-2021	HK2108182-035	1.2	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-036	2.0	---	---	---	---	---
CS1/S/ Mid-Ebb	06-Mar-2021	HK2108182-037	1.1	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-038	1.8	---	---	---	---	---
CS1/M/ Mid-Ebb	06-Mar-2021	HK2108182-039	1.6	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-040	2.1	---	---	---	---	---
CS1/B/ Mid-Ebb	06-Mar-2021	HK2108182-041	1.4	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	06-Mar-2021	HK2108182-042	2.3	---	---	---	---	---
B2/S/ Mid-Flood	06-Mar-2021	HK2108182-043	<1.0	---	---	---	---	---
B2/S/Duplicate Mid-Flood	06-Mar-2021	HK2108182-044	<1.0	---	---	---	---	---
B2/B/ Mid-Flood	06-Mar-2021	HK2108182-047	1.7	---	---	---	---	---
B2/B/Duplicate Mid-Flood	06-Mar-2021	HK2108182-048	1.0	---	---	---	---	---
C3/S/ Mid-Flood	06-Mar-2021	HK2108182-049	1.4	---	---	---	---	---
C3/S/Duplicate Mid-Flood	06-Mar-2021	HK2108182-050	1.8	---	---	---	---	---
C3/M/ Mid-Flood	06-Mar-2021	HK2108182-051	1.3	---	---	---	---	---
C3/M/Duplicate Mid-Flood	06-Mar-2021	HK2108182-052	1.7	---	---	---	---	---
C3/B/ Mid-Flood	06-Mar-2021	HK2108182-053	1.4	---	---	---	---	---
C3/B/Duplicate Mid-Flood	06-Mar-2021	HK2108182-054	1.9	---	---	---	---	---
C4/S/ Mid-Flood	06-Mar-2021	HK2108182-055	1.0	---	---	---	---	---
C4/S/Duplicate Mid-Flood	06-Mar-2021	HK2108182-056	1.9	---	---	---	---	---
C4/M/ Mid-Flood	06-Mar-2021	HK2108182-057	2.0	---	---	---	---	---
C4/M/Duplicate Mid-Flood	06-Mar-2021	HK2108182-058	1.4	---	---	---	---	---
C4/B/ Mid-Flood	06-Mar-2021	HK2108182-059	2.3	---	---	---	---	---
C4/B/Duplicate Mid-Flood	06-Mar-2021	HK2108182-060	1.7	---	---	---	---	---
F1/S/ Mid-Flood	06-Mar-2021	HK2108182-061	2.2	---	---	---	---	---
F1/S/Duplicate Mid-Flood	06-Mar-2021	HK2108182-062	2.2	---	---	---	---	---
F1/M/ Mid-Flood	06-Mar-2021	HK2108182-063	2.1	---	---	---	---	---
F1/M/Duplicate Mid-Flood	06-Mar-2021	HK2108182-064	2.4	---	---	---	---	---
F1/B/ Mid-Flood	06-Mar-2021	HK2108182-065	1.0	---	---	---	---	---
F1/B/Duplicate Mid-Flood	06-Mar-2021	HK2108182-066	1.1	---	---	---	---	---
F2/S/ Mid-Flood	06-Mar-2021	HK2108182-067	1.0	---	---	---	---	---
F2/S/Duplicate Mid-Flood	06-Mar-2021	HK2108182-068	1.5	---	---	---	---	---



Sub-Matrix: WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	1.0 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
F2/M/ Mid-Flood	06-Mar-2021	HK2108182-069	1.7	----	----	----	----	----
F2/M/Duplicate Mid-Flood	06-Mar-2021	HK2108182-070	1.4	----	----	----	----	----
F2/B/ Mid-Flood	06-Mar-2021	HK2108182-071	1.3	----	----	----	----	----
F2/B/Duplicate Mid-Flood	06-Mar-2021	HK2108182-072	2.2	----	----	----	----	----
GS1/S/ Mid-Flood	06-Mar-2021	HK2108182-073	1.9	----	----	----	----	----
GS1/S/Duplicate Mid-Flood	06-Mar-2021	HK2108182-074	2.2	----	----	----	----	----
GS1/M/ Mid-Flood	06-Mar-2021	HK2108182-075	1.1	----	----	----	----	----
GS1/M/Duplicate Mid-Flood	06-Mar-2021	HK2108182-076	1.5	----	----	----	----	----
GS1/B/ Mid-Flood	06-Mar-2021	HK2108182-077	1.3	----	----	----	----	----
GS1/B/Duplicate Mid-Flood	06-Mar-2021	HK2108182-078	1.3	----	----	----	----	----
CS1/S/ Mid-Flood	06-Mar-2021	HK2108182-079	1.0	----	----	----	----	----
CS1/S/Duplicate Mid-Flood	06-Mar-2021	HK2108182-080	1.2	----	----	----	----	----
CS1/M/ Mid-Flood	06-Mar-2021	HK2108182-081	1.8	----	----	----	----	----
CS1/M/Duplicate Mid-Flood	06-Mar-2021	HK2108182-082	2.5	----	----	----	----	----
CS1/B/ Mid-Flood	06-Mar-2021	HK2108182-083	1.6	----	----	----	----	----
CS1/B/Duplicate Mid-Flood	06-Mar-2021	HK2108182-084	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: 3551218)								
HK2108182-001	B2/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2108182-013	C4/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.1	1.9	8.70
EA/ED: Physical and Aggregate Properties (QC Lot: 3551219)								
HK2108182-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2108182-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.5	1.4	8.55
EA/ED: Physical and Aggregate Properties (QC Lot: 3551220)								
HK2108182-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2108182-055	C4/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.0	1.4	33.3
EA/ED: Physical and Aggregate Properties (QC Lot: 3551221)								
HK2108182-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.0	1.3	26.1
HK2108182-075	GS1/M/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.1	1.4	24.0

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: 3551218)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	100	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3551219)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	108	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3551220)											
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: 3551221)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	95.5	----	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>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
<i>Contact</i>	: MR Y W FUNG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2108183
<i>Address</i>	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: yw.fung@aecom.com	<i>E-mail</i>	: richard.fung@alsglobal.com	<i>Date received</i>	: 09-Mar-2021
<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date of issue</i>	: 16-Mar-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>No. of samples</i>	- Received : 80
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)				- Analysed : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		
<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 09-Mar-2021 to 15-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 HK2108183 :

Sample(s) was/ were picked up from client by ALS staff. 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: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	09-Mar-2021	HK2108183-001	1.4	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-002	2.5	---	---	---	---	---
B2/B/ Mid-Ebb	09-Mar-2021	HK2108183-005	2.7	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-006	3.2	---	---	---	---	---
C3/S/ Mid-Ebb	09-Mar-2021	HK2108183-007	2.8	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-008	2.5	---	---	---	---	---
C3/M/ Mid-Ebb	09-Mar-2021	HK2108183-009	2.1	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-010	1.7	---	---	---	---	---
C3/B/ Mid-Ebb	09-Mar-2021	HK2108183-011	1.7	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-012	2.1	---	---	---	---	---
C4/S/ Mid-Ebb	09-Mar-2021	HK2108183-013	1.4	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-014	2.0	---	---	---	---	---
C4/M/ Mid-Ebb	09-Mar-2021	HK2108183-015	1.9	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-016	2.4	---	---	---	---	---
C4/B/ Mid-Ebb	09-Mar-2021	HK2108183-017	3.0	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-018	2.6	---	---	---	---	---
F1/S/ Mid-Ebb	09-Mar-2021	HK2108183-019	2.2	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-020	2.7	---	---	---	---	---
F1/M/ Mid-Ebb	09-Mar-2021	HK2108183-021	2.0	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-022	2.2	---	---	---	---	---
F1/B/ Mid-Ebb	09-Mar-2021	HK2108183-023	1.6	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-024	2.3	---	---	---	---	---
F2/S/ Mid-Ebb	09-Mar-2021	HK2108183-025	2.6	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-026	1.7	---	---	---	---	---
F2/M/ Mid-Ebb	09-Mar-2021	HK2108183-027	2.1	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-028	1.5	---	---	---	---	---
F2/B/ Mid-Ebb	09-Mar-2021	HK2108183-029	2.2	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-030	1.4	---	---	---	---	---
GS1/S/ Mid-Ebb	09-Mar-2021	HK2108183-031	2.2	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-032	2.0	---	---	---	---	---
GS1/M/ Mid-Ebb	09-Mar-2021	HK2108183-033	1.9	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-034	2.6	---	---	---	---	---
GS1/B/ Mid-Ebb	09-Mar-2021	HK2108183-035	1.6	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-036	2.7	---	---	---	---	---
CS1/S/ Mid-Ebb	09-Mar-2021	HK2108183-037	3.0	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-038	2.8	---	---	---	---	---
CS1/M/ Mid-Ebb	09-Mar-2021	HK2108183-039	1.5	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-040	2.4	---	---	---	---	---
CS1/B/ Mid-Ebb	09-Mar-2021	HK2108183-041	1.3	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	09-Mar-2021	HK2108183-042	2.1	---	---	---	---	---
B2/S/ Mid-Flood	09-Mar-2021	HK2108183-043	1.4	---	---	---	---	---
B2/S/Duplicate Mid-Flood	09-Mar-2021	HK2108183-044	1.8	---	---	---	---	---
B2/B/ Mid-Flood	09-Mar-2021	HK2108183-047	1.7	---	---	---	---	---
B2/B/Duplicate Mid-Flood	09-Mar-2021	HK2108183-048	1.4	---	---	---	---	---
C3/S/ Mid-Flood	09-Mar-2021	HK2108183-049	2.2	---	---	---	---	---
C3/S/Duplicate Mid-Flood	09-Mar-2021	HK2108183-050	2.8	---	---	---	---	---
C3/M/ Mid-Flood	09-Mar-2021	HK2108183-051	1.6	---	---	---	---	---
C3/M/Duplicate Mid-Flood	09-Mar-2021	HK2108183-052	2.4	---	---	---	---	---
C3/B/ Mid-Flood	09-Mar-2021	HK2108183-053	1.5	---	---	---	---	---
C3/B/Duplicate Mid-Flood	09-Mar-2021	HK2108183-054	1.9	---	---	---	---	---
C4/S/ Mid-Flood	09-Mar-2021	HK2108183-055	1.4	---	---	---	---	---
C4/S/Duplicate Mid-Flood	09-Mar-2021	HK2108183-056	1.9	---	---	---	---	---
C4/M/ Mid-Flood	09-Mar-2021	HK2108183-057	2.1	---	---	---	---	---
C4/M/Duplicate Mid-Flood	09-Mar-2021	HK2108183-058	2.0	---	---	---	---	---
C4/B/ Mid-Flood	09-Mar-2021	HK2108183-059	2.5	---	---	---	---	---
C4/B/Duplicate Mid-Flood	09-Mar-2021	HK2108183-060	2.2	---	---	---	---	---
F1/S/ Mid-Flood	09-Mar-2021	HK2108183-061	2.0	---	---	---	---	---
F1/S/Duplicate Mid-Flood	09-Mar-2021	HK2108183-062	2.4	---	---	---	---	---
F1/M/ Mid-Flood	09-Mar-2021	HK2108183-063	2.0	---	---	---	---	---
F1/M/Duplicate Mid-Flood	09-Mar-2021	HK2108183-064	2.3	---	---	---	---	---
F1/B/ Mid-Flood	09-Mar-2021	HK2108183-065	1.2	---	---	---	---	---
F1/B/Duplicate Mid-Flood	09-Mar-2021	HK2108183-066	1.9	---	---	---	---	---
F2/S/ Mid-Flood	09-Mar-2021	HK2108183-067	2.3	---	---	---	---	---
F2/S/Duplicate Mid-Flood	09-Mar-2021	HK2108183-068	2.1	---	---	---	---	---



Sub-Matrix: WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	1.0 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
F2/M/ Mid-Flood	09-Mar-2021	HK2108183-069	1.9	----	----	----	----	----
F2/M/Duplicate Mid-Flood	09-Mar-2021	HK2108183-070	1.5	----	----	----	----	----
F2/B/ Mid-Flood	09-Mar-2021	HK2108183-071	1.4	----	----	----	----	----
F2/B/Duplicate Mid-Flood	09-Mar-2021	HK2108183-072	1.8	----	----	----	----	----
GS1/S/ Mid-Flood	09-Mar-2021	HK2108183-073	2.3	----	----	----	----	----
GS1/S/Duplicate Mid-Flood	09-Mar-2021	HK2108183-074	3.1	----	----	----	----	----
GS1/M/ Mid-Flood	09-Mar-2021	HK2108183-075	1.7	----	----	----	----	----
GS1/M/Duplicate Mid-Flood	09-Mar-2021	HK2108183-076	2.5	----	----	----	----	----
GS1/B/ Mid-Flood	09-Mar-2021	HK2108183-077	1.3	----	----	----	----	----
GS1/B/Duplicate Mid-Flood	09-Mar-2021	HK2108183-078	1.6	----	----	----	----	----
CS1/S/ Mid-Flood	09-Mar-2021	HK2108183-079	2.1	----	----	----	----	----
CS1/S/Duplicate Mid-Flood	09-Mar-2021	HK2108183-080	2.6	----	----	----	----	----
CS1/M/ Mid-Flood	09-Mar-2021	HK2108183-081	2.0	----	----	----	----	----
CS1/M/Duplicate Mid-Flood	09-Mar-2021	HK2108183-082	2.4	----	----	----	----	----
CS1/B/ Mid-Flood	09-Mar-2021	HK2108183-083	1.5	----	----	----	----	----
CS1/B/Duplicate Mid-Flood	09-Mar-2021	HK2108183-084	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: 3556158)								
HK2108183-001	B2/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.9	27.3
HK2108183-013	C4/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.6	11.8
EA/ED: Physical and Aggregate Properties (QC Lot: 3556159)								
HK2108183-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.6	1.9	12.8
HK2108183-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.9	1.6	15.6
EA/ED: Physical and Aggregate Properties (QC Lot: 3556160)								
HK2108183-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.7	21.5
HK2108183-055	C4/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.6	10.2
EA/ED: Physical and Aggregate Properties (QC Lot: 3556161)								
HK2108183-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.2	1.6	26.5
HK2108183-075	GS1/M/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.7	2.0	18.7

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: 3556158)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	92.5	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3556159)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	110	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3556160)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	108	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3556161)											
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>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
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<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date of issue</i>	: 20-Mar-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>No. of samples</i>	- Received : 80
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)				- Analysed : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		
<i>C-O-C number</i>	: —				
<i>Site</i>	: —				

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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 11-Mar-2021 to 19-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 HK2108863 :

Sample(s) was/ were picked up from client by ALS staff. 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: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	11-Mar-2021	HK2108863-001	2.2	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-002	2.4	---	---	---	---	---
B2/B/ Mid-Ebb	11-Mar-2021	HK2108863-005	4.5	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-006	4.0	---	---	---	---	---
C3/S/ Mid-Ebb	11-Mar-2021	HK2108863-007	2.2	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-008	1.9	---	---	---	---	---
C3/M/ Mid-Ebb	11-Mar-2021	HK2108863-009	2.5	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-010	2.0	---	---	---	---	---
C3/B/ Mid-Ebb	11-Mar-2021	HK2108863-011	2.7	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-012	2.1	---	---	---	---	---
C4/S/ Mid-Ebb	11-Mar-2021	HK2108863-013	1.8	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-014	2.6	---	---	---	---	---
C4/M/ Mid-Ebb	11-Mar-2021	HK2108863-015	1.7	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-016	2.5	---	---	---	---	---
C4/B/ Mid-Ebb	11-Mar-2021	HK2108863-017	2.6	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-018	1.8	---	---	---	---	---
F1/S/ Mid-Ebb	11-Mar-2021	HK2108863-019	2.4	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-020	3.4	---	---	---	---	---
F1/M/ Mid-Ebb	11-Mar-2021	HK2108863-021	2.6	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-022	3.0	---	---	---	---	---
F1/B/ Mid-Ebb	11-Mar-2021	HK2108863-023	1.9	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-024	2.6	---	---	---	---	---
F2/S/ Mid-Ebb	11-Mar-2021	HK2108863-025	2.4	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-026	2.2	---	---	---	---	---
F2/M/ Mid-Ebb	11-Mar-2021	HK2108863-027	2.7	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-028	1.9	---	---	---	---	---
F2/B/ Mid-Ebb	11-Mar-2021	HK2108863-029	2.4	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-030	1.9	---	---	---	---	---
GS1/S/ Mid-Ebb	11-Mar-2021	HK2108863-031	1.9	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-032	2.3	---	---	---	---	---
GS1/M/ Mid-Ebb	11-Mar-2021	HK2108863-033	2.5	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-034	3.1	---	---	---	---	---
GS1/B/ Mid-Ebb	11-Mar-2021	HK2108863-035	3.7	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-036	4.1	---	---	---	---	---
CS1/S/ Mid-Ebb	11-Mar-2021	HK2108863-037	2.3	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-038	2.5	---	---	---	---	---
CS1/M/ Mid-Ebb	11-Mar-2021	HK2108863-039	2.3	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-040	3.2	---	---	---	---	---
CS1/B/ Mid-Ebb	11-Mar-2021	HK2108863-041	2.5	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	11-Mar-2021	HK2108863-042	3.6	---	---	---	---	---
B2/S/ Mid-Flood	11-Mar-2021	HK2108863-043	1.5	---	---	---	---	---
B2/S/Duplicate Mid-Flood	11-Mar-2021	HK2108863-044	2.4	---	---	---	---	---
B2/B/ Mid-Flood	11-Mar-2021	HK2108863-047	3.0	---	---	---	---	---
B2/B/Duplicate Mid-Flood	11-Mar-2021	HK2108863-048	2.3	---	---	---	---	---
C3/S/ Mid-Flood	11-Mar-2021	HK2108863-049	2.4	---	---	---	---	---
C3/S/Duplicate Mid-Flood	11-Mar-2021	HK2108863-050	1.5	---	---	---	---	---
C3/M/ Mid-Flood	11-Mar-2021	HK2108863-051	1.0	---	---	---	---	---
C3/M/Duplicate Mid-Flood	11-Mar-2021	HK2108863-052	1.7	---	---	---	---	---
C3/B/ Mid-Flood	11-Mar-2021	HK2108863-053	1.6	---	---	---	---	---
C3/B/Duplicate Mid-Flood	11-Mar-2021	HK2108863-054	1.0	---	---	---	---	---
C4/S/ Mid-Flood	11-Mar-2021	HK2108863-055	<1.0	---	---	---	---	---
C4/S/Duplicate Mid-Flood	11-Mar-2021	HK2108863-056	<1.0	---	---	---	---	---
C4/M/ Mid-Flood	11-Mar-2021	HK2108863-057	1.2	---	---	---	---	---
C4/M/Duplicate Mid-Flood	11-Mar-2021	HK2108863-058	1.0	---	---	---	---	---
C4/B/ Mid-Flood	11-Mar-2021	HK2108863-059	1.4	---	---	---	---	---
C4/B/Duplicate Mid-Flood	11-Mar-2021	HK2108863-060	1.1	---	---	---	---	---
F1/S/ Mid-Flood	11-Mar-2021	HK2108863-061	1.0	---	---	---	---	---
F1/S/Duplicate Mid-Flood	11-Mar-2021	HK2108863-062	1.6	---	---	---	---	---
F1/M/ Mid-Flood	11-Mar-2021	HK2108863-063	1.3	---	---	---	---	---
F1/M/Duplicate Mid-Flood	11-Mar-2021	HK2108863-064	1.0	---	---	---	---	---
F1/B/ Mid-Flood	11-Mar-2021	HK2108863-065	<1.0	---	---	---	---	---
F1/B/Duplicate Mid-Flood	11-Mar-2021	HK2108863-066	<1.0	---	---	---	---	---
F2/S/ Mid-Flood	11-Mar-2021	HK2108863-067	2.7	---	---	---	---	---
F2/S/Duplicate Mid-Flood	11-Mar-2021	HK2108863-068	2.5	---	---	---	---	---



Sub-Matrix: WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	1.0 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
F2/M/ Mid-Flood	11-Mar-2021	HK2108863-069	2.8	----	----	----	----	----
F2/M/Duplicate Mid-Flood	11-Mar-2021	HK2108863-070	2.1	----	----	----	----	----
F2/B/ Mid-Flood	11-Mar-2021	HK2108863-071	2.5	----	----	----	----	----
F2/B/Duplicate Mid-Flood	11-Mar-2021	HK2108863-072	2.3	----	----	----	----	----
GS1/S/ Mid-Flood	11-Mar-2021	HK2108863-073	1.0	----	----	----	----	----
GS1/S/Duplicate Mid-Flood	11-Mar-2021	HK2108863-074	1.5	----	----	----	----	----
GS1/M/ Mid-Flood	11-Mar-2021	HK2108863-075	2.0	----	----	----	----	----
GS1/M/Duplicate Mid-Flood	11-Mar-2021	HK2108863-076	1.4	----	----	----	----	----
GS1/B/ Mid-Flood	11-Mar-2021	HK2108863-077	1.4	----	----	----	----	----
GS1/B/Duplicate Mid-Flood	11-Mar-2021	HK2108863-078	2.3	----	----	----	----	----
CS1/S/ Mid-Flood	11-Mar-2021	HK2108863-079	2.9	----	----	----	----	----
CS1/S/Duplicate Mid-Flood	11-Mar-2021	HK2108863-080	2.4	----	----	----	----	----
CS1/M/ Mid-Flood	11-Mar-2021	HK2108863-081	3.4	----	----	----	----	----
CS1/M/Duplicate Mid-Flood	11-Mar-2021	HK2108863-082	3.2	----	----	----	----	----
CS1/B/ Mid-Flood	11-Mar-2021	HK2108863-083	3.0	----	----	----	----	----
CS1/B/Duplicate Mid-Flood	11-Mar-2021	HK2108863-084	3.7	----	----	----	----	----



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: 3561677)								
HK2108863-001	B2/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.2	2.4	7.65
HK2108863-013	CF1/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.8	2.0	9.27
EA/ED: Physical and Aggregate Properties (QC Lot: 3561678)								
HK2108863-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.9	2.2	12.3
HK2108863-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.5	2.7	6.76
EA/ED: Physical and Aggregate Properties (QC Lot: 3561679)								
HK2108863-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.5	1.9	21.9
HK2108863-055	C4/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3561680)								
HK2108863-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2108863-075	GS1/M/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.0	1.8	6.62

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: 3561677)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	94.5	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3561678)											
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: 3561679)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	110	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3561680)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	97.5	----	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>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
<i>Contact</i>	: MR Y W FUNG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2108864
<i>Address</i>	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: yw.fung@aecom.com	<i>E-mail</i>	: richard.fung@alsglobal.com	<i>Date received</i>	: 13-Mar-2021
<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date of issue</i>	: 23-Mar-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>No. of samples</i>	- Received : 80
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)				- Analysed : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		
<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 13-Mar-2021 to 23-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 HK2108864 :

Sample(s) was/ were picked up from client by ALS staff. 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: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	13-Mar-2021	HK2108864-001	2.7	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-002	2.4	---	---	---	---	---
B2/B/ Mid-Ebb	13-Mar-2021	HK2108864-005	2.9	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-006	3.0	---	---	---	---	---
C3/S/ Mid-Ebb	13-Mar-2021	HK2108864-007	3.4	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-008	3.4	---	---	---	---	---
C3/M/ Mid-Ebb	13-Mar-2021	HK2108864-009	2.6	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-010	2.7	---	---	---	---	---
C3/B/ Mid-Ebb	13-Mar-2021	HK2108864-011	1.5	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-012	2.0	---	---	---	---	---
C4/S/ Mid-Ebb	13-Mar-2021	HK2108864-013	3.1	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-014	3.4	---	---	---	---	---
C4/M/ Mid-Ebb	13-Mar-2021	HK2108864-015	2.8	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-016	2.5	---	---	---	---	---
C4/B/ Mid-Ebb	13-Mar-2021	HK2108864-017	2.0	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-018	2.4	---	---	---	---	---
F1/S/ Mid-Ebb	13-Mar-2021	HK2108864-019	3.2	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-020	3.2	---	---	---	---	---
F1/M/ Mid-Ebb	13-Mar-2021	HK2108864-021	2.5	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-022	2.7	---	---	---	---	---
F1/B/ Mid-Ebb	13-Mar-2021	HK2108864-023	2.2	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-024	2.5	---	---	---	---	---
F2/S/ Mid-Ebb	13-Mar-2021	HK2108864-025	1.4	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-026	1.6	---	---	---	---	---
F2/M/ Mid-Ebb	13-Mar-2021	HK2108864-027	1.6	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-028	2.0	---	---	---	---	---
F2/B/ Mid-Ebb	13-Mar-2021	HK2108864-029	2.9	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-030	2.7	---	---	---	---	---
GS1/S/ Mid-Ebb	13-Mar-2021	HK2108864-031	2.4	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-032	2.2	---	---	---	---	---
GS1/M/ Mid-Ebb	13-Mar-2021	HK2108864-033	2.6	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-034	2.7	---	---	---	---	---
GS1/B/ Mid-Ebb	13-Mar-2021	HK2108864-035	3.2	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-036	2.9	---	---	---	---	---
CS1/S/ Mid-Ebb	13-Mar-2021	HK2108864-037	2.3	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-038	2.1	---	---	---	---	---
CS1/M/ Mid-Ebb	13-Mar-2021	HK2108864-039	2.4	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-040	2.3	---	---	---	---	---
CS1/B/ Mid-Ebb	13-Mar-2021	HK2108864-041	2.8	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	13-Mar-2021	HK2108864-042	2.7	---	---	---	---	---
B2/S/ Mid-Flood	13-Mar-2021	HK2108864-043	2.7	---	---	---	---	---
B2/S/Duplicate Mid-Flood	13-Mar-2021	HK2108864-044	2.7	---	---	---	---	---
B2/B/ Mid-Flood	13-Mar-2021	HK2108864-047	2.8	---	---	---	---	---
B2/B/Duplicate Mid-Flood	13-Mar-2021	HK2108864-048	2.7	---	---	---	---	---
C3/S/ Mid-Flood	13-Mar-2021	HK2108864-049	3.3	---	---	---	---	---
C3/S/Duplicate Mid-Flood	13-Mar-2021	HK2108864-050	3.8	---	---	---	---	---
C3/M/ Mid-Flood	13-Mar-2021	HK2108864-051	3.0	---	---	---	---	---
C3/M/Duplicate Mid-Flood	13-Mar-2021	HK2108864-052	2.7	---	---	---	---	---
C3/B/ Mid-Flood	13-Mar-2021	HK2108864-053	2.6	---	---	---	---	---
C3/B/Duplicate Mid-Flood	13-Mar-2021	HK2108864-054	2.3	---	---	---	---	---
C4/S/ Mid-Flood	13-Mar-2021	HK2108864-055	2.2	---	---	---	---	---
C4/S/Duplicate Mid-Flood	13-Mar-2021	HK2108864-056	2.4	---	---	---	---	---
C4/M/ Mid-Flood	13-Mar-2021	HK2108864-057	3.3	---	---	---	---	---
C4/M/Duplicate Mid-Flood	13-Mar-2021	HK2108864-058	2.8	---	---	---	---	---
C4/B/ Mid-Flood	13-Mar-2021	HK2108864-059	4.2	---	---	---	---	---
C4/B/Duplicate Mid-Flood	13-Mar-2021	HK2108864-060	3.8	---	---	---	---	---
F1/S/ Mid-Flood	13-Mar-2021	HK2108864-061	4.2	---	---	---	---	---
F1/S/Duplicate Mid-Flood	13-Mar-2021	HK2108864-062	3.9	---	---	---	---	---
F1/M/ Mid-Flood	13-Mar-2021	HK2108864-063	3.5	---	---	---	---	---
F1/M/Duplicate Mid-Flood	13-Mar-2021	HK2108864-064	3.8	---	---	---	---	---
F1/B/ Mid-Flood	13-Mar-2021	HK2108864-065	3.0	---	---	---	---	---
F1/B/Duplicate Mid-Flood	13-Mar-2021	HK2108864-066	2.8	---	---	---	---	---
F2/S/ Mid-Flood	13-Mar-2021	HK2108864-067	3.9	---	---	---	---	---
F2/S/Duplicate Mid-Flood	13-Mar-2021	HK2108864-068	4.3	---	---	---	---	---



Sub-Matrix: WATER

			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
F2/M/ Mid-Flood	13-Mar-2021	HK2108864-069	3.9	---	---	---	---	---
F2/M/Duplicate Mid-Flood	13-Mar-2021	HK2108864-070	3.4	---	---	---	---	---
F2/B/ Mid-Flood	13-Mar-2021	HK2108864-071	2.9	---	---	---	---	---
F2/B/Duplicate Mid-Flood	13-Mar-2021	HK2108864-072	3.0	---	---	---	---	---
GS1/S/ Mid-Flood	13-Mar-2021	HK2108864-073	3.0	---	---	---	---	---
GS1/S/Duplicate Mid-Flood	13-Mar-2021	HK2108864-074	3.4	---	---	---	---	---
GS1/M/ Mid-Flood	13-Mar-2021	HK2108864-075	3.7	---	---	---	---	---
GS1/M/Duplicate Mid-Flood	13-Mar-2021	HK2108864-076	3.7	---	---	---	---	---
GS1/B/ Mid-Flood	13-Mar-2021	HK2108864-077	4.4	---	---	---	---	---
GS1/B/Duplicate Mid-Flood	13-Mar-2021	HK2108864-078	4.3	---	---	---	---	---
CS1/S/ Mid-Flood	13-Mar-2021	HK2108864-079	3.2	---	---	---	---	---
CS1/S/Duplicate Mid-Flood	13-Mar-2021	HK2108864-080	3.4	---	---	---	---	---
CS1/M/ Mid-Flood	13-Mar-2021	HK2108864-081	4.4	---	---	---	---	---
CS1/M/Duplicate Mid-Flood	13-Mar-2021	HK2108864-082	4.0	---	---	---	---	---
CS1/B/ Mid-Flood	13-Mar-2021	HK2108864-083	4.9	---	---	---	---	---
CS1/B/Duplicate Mid-Flood	13-Mar-2021	HK2108864-084	4.4	---	---	---	---	---



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: 3564581)								
HK2108864-002	B2/S/Duplicate Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.4	2.6	5.02
HK2108864-013	C4/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.1	3.4	10.0
EA/ED: Physical and Aggregate Properties (QC Lot: 3564582)								
HK2108864-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.2	2.3	0.00
HK2108864-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.6	2.5	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3564583)								
HK2108864-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.7	2.6	3.74
HK2108864-056	C4/S/Duplicate Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.4	2.0	15.9
EA/ED: Physical and Aggregate Properties (QC Lot: 3564584)								
HK2108864-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.0	3.3	7.94
HK2108864-075	GS1/M/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.7	3.8	3.32

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: 3564581)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	108	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3564582)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	96.0	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3564583)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	103	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3564584)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	99.5	----	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>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
<i>Contact</i>	: MR Y W FUNG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2109855
<i>Address</i>	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: yw.fung@aecom.com	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 16-Mar-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 24-Mar-2021
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)			<i>No. of samples</i>	- Received : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		- Analysed : 80
<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 16-Mar-2021 to 24-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 HK2109855 :

Sample(s) was/ were picked up from client by ALS staff. 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: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	16-Mar-2021	HK2109855-001	1.4	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-002	1.6	---	---	---	---	---
B2/B/ Mid-Ebb	16-Mar-2021	HK2109855-005	2.1	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-006	1.8	---	---	---	---	---
C3/S/ Mid-Ebb	16-Mar-2021	HK2109855-007	3.1	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-008	2.6	---	---	---	---	---
C3/M/ Mid-Ebb	16-Mar-2021	HK2109855-009	2.1	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-010	2.4	---	---	---	---	---
C3/B/ Mid-Ebb	16-Mar-2021	HK2109855-011	1.4	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-012	1.6	---	---	---	---	---
C4/S/ Mid-Ebb	16-Mar-2021	HK2109855-013	1.4	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-014	1.2	---	---	---	---	---
C4/M/ Mid-Ebb	16-Mar-2021	HK2109855-015	1.1	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-016	1.0	---	---	---	---	---
C4/B/ Mid-Ebb	16-Mar-2021	HK2109855-017	<1.0	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-018	<1.0	---	---	---	---	---
F1/S/ Mid-Ebb	16-Mar-2021	HK2109855-019	1.8	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-020	1.7	---	---	---	---	---
F1/M/ Mid-Ebb	16-Mar-2021	HK2109855-021	1.5	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-022	1.6	---	---	---	---	---
F1/B/ Mid-Ebb	16-Mar-2021	HK2109855-023	1.3	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-024	1.0	---	---	---	---	---
F2/S/ Mid-Ebb	16-Mar-2021	HK2109855-025	1.3	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-026	1.2	---	---	---	---	---
F2/M/ Mid-Ebb	16-Mar-2021	HK2109855-027	1.3	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-028	1.4	---	---	---	---	---
F2/B/ Mid-Ebb	16-Mar-2021	HK2109855-029	1.5	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-030	1.5	---	---	---	---	---
GS1/S/ Mid-Ebb	16-Mar-2021	HK2109855-031	1.9	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-032	2.1	---	---	---	---	---
GS1/M/ Mid-Ebb	16-Mar-2021	HK2109855-033	1.7	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-034	1.8	---	---	---	---	---
GS1/B/ Mid-Ebb	16-Mar-2021	HK2109855-035	1.6	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-036	1.7	---	---	---	---	---
CS1/S/ Mid-Ebb	16-Mar-2021	HK2109855-037	<1.0	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-038	<1.0	---	---	---	---	---
CS1/M/ Mid-Ebb	16-Mar-2021	HK2109855-039	1.0	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-040	1.3	---	---	---	---	---
CS1/B/ Mid-Ebb	16-Mar-2021	HK2109855-041	1.5	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	16-Mar-2021	HK2109855-042	1.3	---	---	---	---	---
B2/S/ Mid-Flood	16-Mar-2021	HK2109855-043	1.4	---	---	---	---	---
B2/S/Duplicate Mid-Flood	16-Mar-2021	HK2109855-044	1.1	---	---	---	---	---
B2/B/ Mid-Flood	16-Mar-2021	HK2109855-047	1.9	---	---	---	---	---
B2/B/Duplicate Mid-Flood	16-Mar-2021	HK2109855-048	2.2	---	---	---	---	---
C3/S/ Mid-Flood	16-Mar-2021	HK2109855-049	<1.0	---	---	---	---	---
C3/S/Duplicate Mid-Flood	16-Mar-2021	HK2109855-050	<1.0	---	---	---	---	---
C3/M/ Mid-Flood	16-Mar-2021	HK2109855-051	<1.0	---	---	---	---	---
C3/M/Duplicate Mid-Flood	16-Mar-2021	HK2109855-052	<1.0	---	---	---	---	---
C3/B/ Mid-Flood	16-Mar-2021	HK2109855-053	<1.0	---	---	---	---	---
C3/B/Duplicate Mid-Flood	16-Mar-2021	HK2109855-054	1.0	---	---	---	---	---
C4/S/ Mid-Flood	16-Mar-2021	HK2109855-055	<1.0	---	---	---	---	---
C4/S/Duplicate Mid-Flood	16-Mar-2021	HK2109855-056	<1.0	---	---	---	---	---
C4/M/ Mid-Flood	16-Mar-2021	HK2109855-057	1.0	---	---	---	---	---
C4/M/Duplicate Mid-Flood	16-Mar-2021	HK2109855-058	1.3	---	---	---	---	---
C4/B/ Mid-Flood	16-Mar-2021	HK2109855-059	1.2	---	---	---	---	---
C4/B/Duplicate Mid-Flood	16-Mar-2021	HK2109855-060	1.7	---	---	---	---	---
F1/S/ Mid-Flood	16-Mar-2021	HK2109855-061	1.1	---	---	---	---	---
F1/S/Duplicate Mid-Flood	16-Mar-2021	HK2109855-062	1.2	---	---	---	---	---
F1/M/ Mid-Flood	16-Mar-2021	HK2109855-063	1.4	---	---	---	---	---
F1/M/Duplicate Mid-Flood	16-Mar-2021	HK2109855-064	1.2	---	---	---	---	---
F1/B/ Mid-Flood	16-Mar-2021	HK2109855-065	1.8	---	---	---	---	---
F1/B/Duplicate Mid-Flood	16-Mar-2021	HK2109855-066	1.4	---	---	---	---	---
F2/S/ Mid-Flood	16-Mar-2021	HK2109855-067	<1.0	---	---	---	---	---
F2/S/Duplicate Mid-Flood	16-Mar-2021	HK2109855-068	<1.0	---	---	---	---	---



Sub-Matrix: WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	1.0 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
F2/M/ Mid-Flood	16-Mar-2021	HK2109855-069	<1.0	----	----	----	----	----
F2/M/Duplicate Mid-Flood	16-Mar-2021	HK2109855-070	<1.0	----	----	----	----	----
F2/B/ Mid-Flood	16-Mar-2021	HK2109855-071	<1.0	----	----	----	----	----
F2/B/Duplicate Mid-Flood	16-Mar-2021	HK2109855-072	<1.0	----	----	----	----	----
GS1/S/ Mid-Flood	16-Mar-2021	HK2109855-073	<1.0	----	----	----	----	----
GS1/S/Duplicate Mid-Flood	16-Mar-2021	HK2109855-074	<1.0	----	----	----	----	----
GS1/M/ Mid-Flood	16-Mar-2021	HK2109855-075	1.2	----	----	----	----	----
GS1/M/Duplicate Mid-Flood	16-Mar-2021	HK2109855-076	1.1	----	----	----	----	----
GS1/B/ Mid-Flood	16-Mar-2021	HK2109855-077	1.4	----	----	----	----	----
GS1/B/Duplicate Mid-Flood	16-Mar-2021	HK2109855-078	1.5	----	----	----	----	----
CS1/S/ Mid-Flood	16-Mar-2021	HK2109855-079	1.4	----	----	----	----	----
CS1/S/Duplicate Mid-Flood	16-Mar-2021	HK2109855-080	1.3	----	----	----	----	----
CS1/M/ Mid-Flood	16-Mar-2021	HK2109855-081	1.3	----	----	----	----	----
CS1/M/Duplicate Mid-Flood	16-Mar-2021	HK2109855-082	1.2	----	----	----	----	----
CS1/B/ Mid-Flood	16-Mar-2021	HK2109855-083	<1.0	----	----	----	----	----
CS1/B/Duplicate Mid-Flood	16-Mar-2021	HK2109855-084	1.0	----	----	----	----	----



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: 3570212)								
HK2109855-001	B2/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.7	17.3
HK2109855-013	C4/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.2	7.69
EA/ED: Physical and Aggregate Properties (QC Lot: 3570213)								
HK2109855-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.3	1.5	12.6
HK2109855-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.7	1.9	8.33
EA/ED: Physical and Aggregate Properties (QC Lot: 3570214)								
HK2109855-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.6	14.9
HK2109855-055	C4/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	1.0	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3570215)								
HK2109855-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.8	1.5	19.5
HK2109855-075	GS1/M/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.2	1.2	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: 3570212)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	103	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3570213)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	92.5	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3570214)											
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: 3570215)											
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>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
<i>Contact</i>	: MR Y W FUNG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2109856
<i>Address</i>	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: yw.fung@aecom.com	<i>E-mail</i>	: richard.fung@alsglobal.com		
<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date received</i>	: 18-Mar-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>Date of issue</i>	: 29-Mar-2021
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)			<i>No. of samples</i>	- Received : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		- Analysed : 80
<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 18-Mar-2021 to 29-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 HK2109856 :

Sample(s) was/ were picked up from client by ALS staff. 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: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	18-Mar-2021	HK2109856-001	1.4	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-002	1.6	---	---	---	---	---
B2/B/ Mid-Ebb	18-Mar-2021	HK2109856-005	<1.0	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-006	<1.0	---	---	---	---	---
C3/S/ Mid-Ebb	18-Mar-2021	HK2109856-007	<1.0	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-008	<1.0	---	---	---	---	---
C3/M/ Mid-Ebb	18-Mar-2021	HK2109856-009	<1.0	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-010	<1.0	---	---	---	---	---
C3/B/ Mid-Ebb	18-Mar-2021	HK2109856-011	1.6	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-012	1.0	---	---	---	---	---
C4/S/ Mid-Ebb	18-Mar-2021	HK2109856-013	1.5	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-014	1.3	---	---	---	---	---
C4/M/ Mid-Ebb	18-Mar-2021	HK2109856-015	<1.0	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-016	<1.0	---	---	---	---	---
C4/B/ Mid-Ebb	18-Mar-2021	HK2109856-017	<1.0	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-018	<1.0	---	---	---	---	---
F1/S/ Mid-Ebb	18-Mar-2021	HK2109856-019	<1.0	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-020	<1.0	---	---	---	---	---
F1/M/ Mid-Ebb	18-Mar-2021	HK2109856-021	1.4	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-022	1.1	---	---	---	---	---
F1/B/ Mid-Ebb	18-Mar-2021	HK2109856-023	1.4	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-024	1.5	---	---	---	---	---
F2/S/ Mid-Ebb	18-Mar-2021	HK2109856-025	<1.0	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-026	<1.0	---	---	---	---	---
F2/M/ Mid-Ebb	18-Mar-2021	HK2109856-027	<1.0	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-028	<1.0	---	---	---	---	---
F2/B/ Mid-Ebb	18-Mar-2021	HK2109856-029	<1.0	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-030	<1.0	---	---	---	---	---
GS1/S/ Mid-Ebb	18-Mar-2021	HK2109856-031	<1.0	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-032	<1.0	---	---	---	---	---
GS1/M/ Mid-Ebb	18-Mar-2021	HK2109856-033	<1.0	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-034	<1.0	---	---	---	---	---
GS1/B/ Mid-Ebb	18-Mar-2021	HK2109856-035	<1.0	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-036	<1.0	---	---	---	---	---
CS1/S/ Mid-Ebb	18-Mar-2021	HK2109856-037	<1.0	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-038	<1.0	---	---	---	---	---
CS1/M/ Mid-Ebb	18-Mar-2021	HK2109856-039	<1.0	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-040	<1.0	---	---	---	---	---
CS1/B/ Mid-Ebb	18-Mar-2021	HK2109856-041	<1.0	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	18-Mar-2021	HK2109856-042	<1.0	---	---	---	---	---
B2/S/ Mid-Flood	18-Mar-2021	HK2109856-043	<1.0	---	---	---	---	---
B2/S/Duplicate Mid-Flood	18-Mar-2021	HK2109856-044	<1.0	---	---	---	---	---
B2/B/ Mid-Flood	18-Mar-2021	HK2109856-047	<1.0	---	---	---	---	---
B2/B/Duplicate Mid-Flood	18-Mar-2021	HK2109856-048	<1.0	---	---	---	---	---
C3/S/ Mid-Flood	18-Mar-2021	HK2109856-049	1.0	---	---	---	---	---
C3/S/Duplicate Mid-Flood	18-Mar-2021	HK2109856-050	1.4	---	---	---	---	---
C3/M/ Mid-Flood	18-Mar-2021	HK2109856-051	<1.0	---	---	---	---	---
C3/M/Duplicate Mid-Flood	18-Mar-2021	HK2109856-052	<1.0	---	---	---	---	---
C3/B/ Mid-Flood	18-Mar-2021	HK2109856-053	<1.0	---	---	---	---	---
C3/B/Duplicate Mid-Flood	18-Mar-2021	HK2109856-054	<1.0	---	---	---	---	---
C4/S/ Mid-Flood	18-Mar-2021	HK2109856-055	<1.0	---	---	---	---	---
C4/S/Duplicate Mid-Flood	18-Mar-2021	HK2109856-056	<1.0	---	---	---	---	---
C4/M/ Mid-Flood	18-Mar-2021	HK2109856-057	<1.0	---	---	---	---	---
C4/M/Duplicate Mid-Flood	18-Mar-2021	HK2109856-058	<1.0	---	---	---	---	---
C4/B/ Mid-Flood	18-Mar-2021	HK2109856-059	1.1	---	---	---	---	---
C4/B/Duplicate Mid-Flood	18-Mar-2021	HK2109856-060	1.0	---	---	---	---	---
F1/S/ Mid-Flood	18-Mar-2021	HK2109856-061	<1.0	---	---	---	---	---
F1/S/Duplicate Mid-Flood	18-Mar-2021	HK2109856-062	<1.0	---	---	---	---	---
F1/M/ Mid-Flood	18-Mar-2021	HK2109856-063	1.1	---	---	---	---	---
F1/M/Duplicate Mid-Flood	18-Mar-2021	HK2109856-064	1.2	---	---	---	---	---
F1/B/ Mid-Flood	18-Mar-2021	HK2109856-065	1.8	---	---	---	---	---
F1/B/Duplicate Mid-Flood	18-Mar-2021	HK2109856-066	1.4	---	---	---	---	---
F2/S/ Mid-Flood	18-Mar-2021	HK2109856-067	<1.0	---	---	---	---	---
F2/S/Duplicate Mid-Flood	18-Mar-2021	HK2109856-068	<1.0	---	---	---	---	---



Sub-Matrix: WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	1.0 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
F2/M/ Mid-Flood	18-Mar-2021	HK2109856-069	<1.0	----	----	----	----	----
F2/M/Duplicate Mid-Flood	18-Mar-2021	HK2109856-070	<1.0	----	----	----	----	----
F2/B/ Mid-Flood	18-Mar-2021	HK2109856-071	<1.0	----	----	----	----	----
F2/B/Duplicate Mid-Flood	18-Mar-2021	HK2109856-072	<1.0	----	----	----	----	----
GS1/S/ Mid-Flood	18-Mar-2021	HK2109856-073	<1.0	----	----	----	----	----
GS1/S/Duplicate Mid-Flood	18-Mar-2021	HK2109856-074	<1.0	----	----	----	----	----
GS1/M/ Mid-Flood	18-Mar-2021	HK2109856-075	1.1	----	----	----	----	----
GS1/M/Duplicate Mid-Flood	18-Mar-2021	HK2109856-076	1.0	----	----	----	----	----
GS1/B/ Mid-Flood	18-Mar-2021	HK2109856-077	1.2	----	----	----	----	----
GS1/B/Duplicate Mid-Flood	18-Mar-2021	HK2109856-078	1.0	----	----	----	----	----
CS1/S/ Mid-Flood	18-Mar-2021	HK2109856-079	<1.0	----	----	----	----	----
CS1/S/Duplicate Mid-Flood	18-Mar-2021	HK2109856-080	<1.0	----	----	----	----	----
CS1/M/ Mid-Flood	18-Mar-2021	HK2109856-081	<1.0	----	----	----	----	----
CS1/M/Duplicate Mid-Flood	18-Mar-2021	HK2109856-082	<1.0	----	----	----	----	----
CS1/B/ Mid-Flood	18-Mar-2021	HK2109856-083	1.0	----	----	----	----	----
CS1/B/Duplicate Mid-Flood	18-Mar-2021	HK2109856-084	1.5	----	----	----	----	----



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: 3577854)								
HK2109856-001	B2/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.3	9.01
HK2109856-013	C4/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.5	1.2	18.5
EA/ED: Physical and Aggregate Properties (QC Lot: 3577855)								
HK2109856-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.0	26.8
HK2109856-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3577856)								
HK2109856-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2109856-055	C4/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 3577857)								
HK2109856-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.8	1.5	15.2
HK2109856-075	GS1/M/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.1	1.2	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: 3577854)											
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: 3577855)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	106	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3577856)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	102	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3577857)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	107	----	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>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
<i>Contact</i>	: MR Y W FUNG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2110561
<i>Address</i>	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: yw.fung@aecom.com	<i>E-mail</i>	: richard.fung@alsglobal.com	<i>Date received</i>	: 20-Mar-2021
<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date of issue</i>	: 30-Mar-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>No. of samples</i>	- Received : 80
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)				- Analysed : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		
<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 20-Mar-2021 to 30-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 HK2110561 :

Sample(s) was/ were picked up from client by ALS staff. 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: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	20-Mar-2021	HK2110561-001	1.1	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-002	1.8	---	---	---	---	---
B2/B/ Mid-Ebb	20-Mar-2021	HK2110561-005	1.3	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-006	1.5	---	---	---	---	---
C3/S/ Mid-Ebb	20-Mar-2021	HK2110561-007	1.2	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-008	1.6	---	---	---	---	---
C3/M/ Mid-Ebb	20-Mar-2021	HK2110561-009	1.5	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-010	1.6	---	---	---	---	---
C3/B/ Mid-Ebb	20-Mar-2021	HK2110561-011	1.7	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-012	2.1	---	---	---	---	---
C4/S/ Mid-Ebb	20-Mar-2021	HK2110561-013	1.4	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-014	1.5	---	---	---	---	---
C4/M/ Mid-Ebb	20-Mar-2021	HK2110561-015	2.0	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-016	1.7	---	---	---	---	---
C4/B/ Mid-Ebb	20-Mar-2021	HK2110561-017	1.8	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-018	2.1	---	---	---	---	---
F1/S/ Mid-Ebb	20-Mar-2021	HK2110561-019	2.0	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-020	2.2	---	---	---	---	---
F1/M/ Mid-Ebb	20-Mar-2021	HK2110561-021	2.1	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-022	2.4	---	---	---	---	---
F1/B/ Mid-Ebb	20-Mar-2021	HK2110561-023	1.1	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-024	1.5	---	---	---	---	---
F2/S/ Mid-Ebb	20-Mar-2021	HK2110561-025	1.1	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-026	1.2	---	---	---	---	---
F2/M/ Mid-Ebb	20-Mar-2021	HK2110561-027	1.6	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-028	1.2	---	---	---	---	---
F2/B/ Mid-Ebb	20-Mar-2021	HK2110561-029	1.9	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-030	1.6	---	---	---	---	---
GS1/S/ Mid-Ebb	20-Mar-2021	HK2110561-031	1.6	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-032	1.7	---	---	---	---	---
GS1/M/ Mid-Ebb	20-Mar-2021	HK2110561-033	1.8	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-034	1.9	---	---	---	---	---
GS1/B/ Mid-Ebb	20-Mar-2021	HK2110561-035	1.9	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-036	2.2	---	---	---	---	---
CS1/S/ Mid-Ebb	20-Mar-2021	HK2110561-037	1.5	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-038	2.0	---	---	---	---	---
CS1/M/ Mid-Ebb	20-Mar-2021	HK2110561-039	1.6	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-040	1.3	---	---	---	---	---
CS1/B/ Mid-Ebb	20-Mar-2021	HK2110561-041	1.4	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	20-Mar-2021	HK2110561-042	1.0	---	---	---	---	---
B2/S/ Mid-Flood	20-Mar-2021	HK2110561-043	1.8	---	---	---	---	---
B2/S/Duplicate Mid-Flood	20-Mar-2021	HK2110561-044	1.5	---	---	---	---	---
B2/B/ Mid-Flood	20-Mar-2021	HK2110561-047	1.9	---	---	---	---	---
B2/B/Duplicate Mid-Flood	20-Mar-2021	HK2110561-048	1.8	---	---	---	---	---
C3/S/ Mid-Flood	20-Mar-2021	HK2110561-049	2.3	---	---	---	---	---
C3/S/Duplicate Mid-Flood	20-Mar-2021	HK2110561-050	1.7	---	---	---	---	---
C3/M/ Mid-Flood	20-Mar-2021	HK2110561-051	1.6	---	---	---	---	---
C3/M/Duplicate Mid-Flood	20-Mar-2021	HK2110561-052	1.4	---	---	---	---	---
C3/B/ Mid-Flood	20-Mar-2021	HK2110561-053	1.9	---	---	---	---	---
C3/B/Duplicate Mid-Flood	20-Mar-2021	HK2110561-054	1.4	---	---	---	---	---
C4/S/ Mid-Flood	20-Mar-2021	HK2110561-055	1.9	---	---	---	---	---
C4/S/Duplicate Mid-Flood	20-Mar-2021	HK2110561-056	2.4	---	---	---	---	---
C4/M/ Mid-Flood	20-Mar-2021	HK2110561-057	1.4	---	---	---	---	---
C4/M/Duplicate Mid-Flood	20-Mar-2021	HK2110561-058	1.4	---	---	---	---	---
C4/B/ Mid-Flood	20-Mar-2021	HK2110561-059	1.3	---	---	---	---	---
C4/B/Duplicate Mid-Flood	20-Mar-2021	HK2110561-060	1.6	---	---	---	---	---
F1/S/ Mid-Flood	20-Mar-2021	HK2110561-061	1.3	---	---	---	---	---
F1/S/Duplicate Mid-Flood	20-Mar-2021	HK2110561-062	1.5	---	---	---	---	---
F1/M/ Mid-Flood	20-Mar-2021	HK2110561-063	1.8	---	---	---	---	---
F1/M/Duplicate Mid-Flood	20-Mar-2021	HK2110561-064	1.1	---	---	---	---	---
F1/B/ Mid-Flood	20-Mar-2021	HK2110561-065	1.4	---	---	---	---	---
F1/B/Duplicate Mid-Flood	20-Mar-2021	HK2110561-066	1.8	---	---	---	---	---
F2/S/ Mid-Flood	20-Mar-2021	HK2110561-067	1.6	---	---	---	---	---
F2/S/Duplicate Mid-Flood	20-Mar-2021	HK2110561-068	1.6	---	---	---	---	---



Sub-Matrix: WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	1.0 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
F2/M/ Mid-Flood	20-Mar-2021	HK2110561-069	1.4	----	----	----	----	----
F2/M/Duplicate Mid-Flood	20-Mar-2021	HK2110561-070	2.1	----	----	----	----	----
F2/B/ Mid-Flood	20-Mar-2021	HK2110561-071	2.0	----	----	----	----	----
F2/B/Duplicate Mid-Flood	20-Mar-2021	HK2110561-072	1.2	----	----	----	----	----
GS1/S/ Mid-Flood	20-Mar-2021	HK2110561-073	1.3	----	----	----	----	----
GS1/S/Duplicate Mid-Flood	20-Mar-2021	HK2110561-074	1.0	----	----	----	----	----
GS1/M/ Mid-Flood	20-Mar-2021	HK2110561-075	1.6	----	----	----	----	----
GS1/M/Duplicate Mid-Flood	20-Mar-2021	HK2110561-076	1.4	----	----	----	----	----
GS1/B/ Mid-Flood	20-Mar-2021	HK2110561-077	1.9	----	----	----	----	----
GS1/B/Duplicate Mid-Flood	20-Mar-2021	HK2110561-078	1.7	----	----	----	----	----
CS1/S/ Mid-Flood	20-Mar-2021	HK2110561-079	1.3	----	----	----	----	----
CS1/S/Duplicate Mid-Flood	20-Mar-2021	HK2110561-080	1.5	----	----	----	----	----
CS1/M/ Mid-Flood	20-Mar-2021	HK2110561-081	1.4	----	----	----	----	----
CS1/M/Duplicate Mid-Flood	20-Mar-2021	HK2110561-082	1.1	----	----	----	----	----
CS1/B/ Mid-Flood	20-Mar-2021	HK2110561-083	1.8	----	----	----	----	----
CS1/B/Duplicate Mid-Flood	20-Mar-2021	HK2110561-084	1.2	----	----	----	----	----



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: 3579197)								
HK2110561-001	B2/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.1	1.3	18.6
HK2110561-013	C4/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.2	13.6
EA/ED: Physical and Aggregate Properties (QC Lot: 3579198)								
HK2110561-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.1	1.2	12.8
HK2110561-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.8	1.5	19.8
EA/ED: Physical and Aggregate Properties (QC Lot: 3579199)								
HK2110561-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.8	1.9	8.22
HK2110561-055	C4/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.9	1.8	9.52
EA/ED: Physical and Aggregate Properties (QC Lot: 3579200)								
HK2110561-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.4	1.1	20.0
HK2110561-075	GS1/M/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.6	1.2	35.7

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: 3579197)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	106	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3579198)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	101	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3579199)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	100	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3579200)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	93.0	----	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.



CERTIFICATE OF ANALYSIS

<i>Client</i>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
<i>Contact</i>	: MR Y W FUNG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2111003
<i>Address</i>	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: yw.fung@aecom.com	<i>E-mail</i>	: richard.fung@alsglobal.com	<i>Date received</i>	: 23-Mar-2021
<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date of issue</i>	: 26-Mar-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>No. of samples</i>	- Received : 80
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)				- Analysed : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		
<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 23-Mar-2021 to 26-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 HK2111003 :

Sample(s) was/ were picked up from client by ALS staff. 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: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	23-Mar-2021	HK2111003-001	2.6	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-002	3.3	---	---	---	---	---
B2/B/ Mid-Ebb	23-Mar-2021	HK2111003-005	5.2	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-006	3.8	---	---	---	---	---
C3/S/ Mid-Ebb	23-Mar-2021	HK2111003-007	4.1	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-008	4.0	---	---	---	---	---
C3/M/ Mid-Ebb	23-Mar-2021	HK2111003-009	3.9	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-010	3.8	---	---	---	---	---
C3/B/ Mid-Ebb	23-Mar-2021	HK2111003-011	3.5	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-012	3.6	---	---	---	---	---
C4/S/ Mid-Ebb	23-Mar-2021	HK2111003-013	1.7	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-014	1.8	---	---	---	---	---
C4/M/ Mid-Ebb	23-Mar-2021	HK2111003-015	2.3	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-016	2.6	---	---	---	---	---
C4/B/ Mid-Ebb	23-Mar-2021	HK2111003-017	4.2	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-018	3.5	---	---	---	---	---
F1/S/ Mid-Ebb	23-Mar-2021	HK2111003-019	3.1	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-020	3.5	---	---	---	---	---
F1/M/ Mid-Ebb	23-Mar-2021	HK2111003-021	2.4	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-022	2.4	---	---	---	---	---
F1/B/ Mid-Ebb	23-Mar-2021	HK2111003-023	2.2	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-024	2.4	---	---	---	---	---
F2/S/ Mid-Ebb	23-Mar-2021	HK2111003-025	2.6	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-026	2.3	---	---	---	---	---
F2/M/ Mid-Ebb	23-Mar-2021	HK2111003-027	2.4	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-028	2.5	---	---	---	---	---
F2/B/ Mid-Ebb	23-Mar-2021	HK2111003-029	2.4	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-030	2.4	---	---	---	---	---
GS1/S/ Mid-Ebb	23-Mar-2021	HK2111003-031	2.4	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-032	2.1	---	---	---	---	---
GS1/M/ Mid-Ebb	23-Mar-2021	HK2111003-033	2.5	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-034	2.4	---	---	---	---	---
GS1/B/ Mid-Ebb	23-Mar-2021	HK2111003-035	3.2	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-036	3.6	---	---	---	---	---
CS1/S/ Mid-Ebb	23-Mar-2021	HK2111003-037	3.8	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-038	3.7	---	---	---	---	---
CS1/M/ Mid-Ebb	23-Mar-2021	HK2111003-039	2.8	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-040	3.2	---	---	---	---	---
CS1/B/ Mid-Ebb	23-Mar-2021	HK2111003-041	2.3	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	23-Mar-2021	HK2111003-042	2.6	---	---	---	---	---
B2/S/ Mid-Flood	23-Mar-2021	HK2111003-043	3.4	---	---	---	---	---
B2/S/Duplicate Mid-Flood	23-Mar-2021	HK2111003-044	3.3	---	---	---	---	---
B2/B/ Mid-Flood	23-Mar-2021	HK2111003-047	1.9	---	---	---	---	---
B2/B/Duplicate Mid-Flood	23-Mar-2021	HK2111003-048	2.3	---	---	---	---	---
C3/S/ Mid-Flood	23-Mar-2021	HK2111003-049	2.1	---	---	---	---	---
C3/S/Duplicate Mid-Flood	23-Mar-2021	HK2111003-050	1.8	---	---	---	---	---
C3/M/ Mid-Flood	23-Mar-2021	HK2111003-051	2.4	---	---	---	---	---
C3/M/Duplicate Mid-Flood	23-Mar-2021	HK2111003-052	2.6	---	---	---	---	---
C3/B/ Mid-Flood	23-Mar-2021	HK2111003-053	3.0	---	---	---	---	---
C3/B/Duplicate Mid-Flood	23-Mar-2021	HK2111003-054	2.7	---	---	---	---	---
C4/S/ Mid-Flood	23-Mar-2021	HK2111003-055	3.2	---	---	---	---	---
C4/S/Duplicate Mid-Flood	23-Mar-2021	HK2111003-056	3.1	---	---	---	---	---
C4/M/ Mid-Flood	23-Mar-2021	HK2111003-057	1.8	---	---	---	---	---
C4/M/Duplicate Mid-Flood	23-Mar-2021	HK2111003-058	2.2	---	---	---	---	---
C4/B/ Mid-Flood	23-Mar-2021	HK2111003-059	1.6	---	---	---	---	---
C4/B/Duplicate Mid-Flood	23-Mar-2021	HK2111003-060	1.4	---	---	---	---	---
F1/S/ Mid-Flood	23-Mar-2021	HK2111003-061	1.8	---	---	---	---	---
F1/S/Duplicate Mid-Flood	23-Mar-2021	HK2111003-062	1.9	---	---	---	---	---
F1/M/ Mid-Flood	23-Mar-2021	HK2111003-063	2.3	---	---	---	---	---
F1/M/Duplicate Mid-Flood	23-Mar-2021	HK2111003-064	2.1	---	---	---	---	---
F1/B/ Mid-Flood	23-Mar-2021	HK2111003-065	2.7	---	---	---	---	---
F1/B/Duplicate Mid-Flood	23-Mar-2021	HK2111003-066	2.8	---	---	---	---	---
F2/S/ Mid-Flood	23-Mar-2021	HK2111003-067	2.3	---	---	---	---	---
F2/S/Duplicate Mid-Flood	23-Mar-2021	HK2111003-068	2.3	---	---	---	---	---



Sub-Matrix: WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	1.0 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
F2/M/ Mid-Flood	23-Mar-2021	HK2111003-069	2.3	----	----	----	----	----
F2/M/Duplicate Mid-Flood	23-Mar-2021	HK2111003-070	2.7	----	----	----	----	----
F2/B/ Mid-Flood	23-Mar-2021	HK2111003-071	3.2	----	----	----	----	----
F2/B/Duplicate Mid-Flood	23-Mar-2021	HK2111003-072	2.8	----	----	----	----	----
GS1/S/ Mid-Flood	23-Mar-2021	HK2111003-073	2.4	----	----	----	----	----
GS1/S/Duplicate Mid-Flood	23-Mar-2021	HK2111003-074	2.5	----	----	----	----	----
GS1/M/ Mid-Flood	23-Mar-2021	HK2111003-075	3.3	----	----	----	----	----
GS1/M/Duplicate Mid-Flood	23-Mar-2021	HK2111003-076	3.5	----	----	----	----	----
GS1/B/ Mid-Flood	23-Mar-2021	HK2111003-077	4.2	----	----	----	----	----
GS1/B/Duplicate Mid-Flood	23-Mar-2021	HK2111003-078	3.5	----	----	----	----	----
CS1/S/ Mid-Flood	23-Mar-2021	HK2111003-079	2.6	----	----	----	----	----
CS1/S/Duplicate Mid-Flood	23-Mar-2021	HK2111003-080	2.6	----	----	----	----	----
CS1/M/ Mid-Flood	23-Mar-2021	HK2111003-081	2.6	----	----	----	----	----
CS1/M/Duplicate Mid-Flood	23-Mar-2021	HK2111003-082	2.6	----	----	----	----	----
CS1/B/ Mid-Flood	23-Mar-2021	HK2111003-083	2.6	----	----	----	----	----
CS1/B/Duplicate Mid-Flood	23-Mar-2021	HK2111003-084	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: 3584033)								
HK2111003-010	C3/M/ Duplicate Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.8	3.6	5.44
HK2111003-013	C4/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.7	2.0	16.4
EA/ED: Physical and Aggregate Properties (QC Lot: 3584034)								
HK2111003-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.2	1.9	14.4
HK2111003-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.5	2.7	6.76
EA/ED: Physical and Aggregate Properties (QC Lot: 3584035)								
HK2111003-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.4	3.8	9.06
HK2111003-055	C4/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.2	3.6	8.82
EA/ED: Physical and Aggregate Properties (QC Lot: 3584036)								
HK2111003-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.7	2.5	7.77
HK2111003-075	GS1/M/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.3	3.6	8.00

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: 3584033)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	102	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3584034)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	103	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3584035)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	106	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3584036)											
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>	: AECOM ASIA COMPANY LIMITED	<i>Laboratory</i>	: ALS Technichem (HK) Pty Ltd	<i>Page</i>	: 1 of 6
<i>Contact</i>	: MR Y W FUNG	<i>Contact</i>	: Richard Fung	<i>Work Order</i>	: HK2111004
<i>Address</i>	: 12/F, TOWER 2, GRAND CENTRAL PLAZA, NO. 138 SHATIN RURAL COMMITTEE ROAD, SHATIN, N.T.,	<i>Address</i>	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
<i>E-mail</i>	: yw.fung@aecom.com	<i>E-mail</i>	: richard.fung@alsglobal.com	<i>Date received</i>	: 25-Mar-2021
<i>Telephone</i>	: +852 3105 8544	<i>Telephone</i>	: +852 2610 1044	<i>Date of issue</i>	: 30-Mar-2021
<i>Facsimile</i>	: ---	<i>Facsimile</i>	: +852 2610 2021	<i>No. of samples</i>	- Received : 80
<i>Project</i>	: ET SERVICES FOR SJC2 AND BTOBE CABLE PROJECTS (BTOBE)				- Analysed : 80
<i>Order number</i>	: —	<i>Quote number</i>	: HKE/1289/2021_V2		
<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 25-Mar-2021 to 30-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 HK2111004 :

Sample(s) was/ were picked up from client by ALS staff. 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: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
B2/S/ Mid-Ebb	25-Mar-2021	HK2111004-001	1.3	---	---	---	---	---
B2/S/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-002	1.6	---	---	---	---	---
B2/B/ Mid-Ebb	25-Mar-2021	HK2111004-005	1.8	---	---	---	---	---
B2/B/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-006	1.3	---	---	---	---	---
C3/S/ Mid-Ebb	25-Mar-2021	HK2111004-007	1.2	---	---	---	---	---
C3/S/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-008	1.9	---	---	---	---	---
C3/M/ Mid-Ebb	25-Mar-2021	HK2111004-009	1.8	---	---	---	---	---
C3/M/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-010	1.1	---	---	---	---	---
C3/B/ Mid-Ebb	25-Mar-2021	HK2111004-011	1.7	---	---	---	---	---
C3/B/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-012	1.6	---	---	---	---	---
C4/S/ Mid-Ebb	25-Mar-2021	HK2111004-013	1.1	---	---	---	---	---
C4/S/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-014	1.8	---	---	---	---	---
C4/M/ Mid-Ebb	25-Mar-2021	HK2111004-015	1.9	---	---	---	---	---
C4/M/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-016	1.8	---	---	---	---	---
C4/B/ Mid-Ebb	25-Mar-2021	HK2111004-017	2.0	---	---	---	---	---
C4/B/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-018	1.4	---	---	---	---	---
F1/S/ Mid-Ebb	25-Mar-2021	HK2111004-019	2.4	---	---	---	---	---
F1/S/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-020	2.0	---	---	---	---	---
F1/M/ Mid-Ebb	25-Mar-2021	HK2111004-021	2.4	---	---	---	---	---
F1/M/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-022	1.7	---	---	---	---	---
F1/B/ Mid-Ebb	25-Mar-2021	HK2111004-023	1.9	---	---	---	---	---
F1/B/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-024	1.3	---	---	---	---	---
F2/S/ Mid-Ebb	25-Mar-2021	HK2111004-025	1.5	---	---	---	---	---
F2/S/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-026	1.4	---	---	---	---	---
F2/M/ Mid-Ebb	25-Mar-2021	HK2111004-027	1.7	---	---	---	---	---
F2/M/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-028	1.9	---	---	---	---	---
F2/B/ Mid-Ebb	25-Mar-2021	HK2111004-029	2.3	---	---	---	---	---
F2/B/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-030	1.7	---	---	---	---	---
GS1/S/ Mid-Ebb	25-Mar-2021	HK2111004-031	2.0	---	---	---	---	---
GS1/S/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-032	1.6	---	---	---	---	---
GS1/M/ Mid-Ebb	25-Mar-2021	HK2111004-033	1.5	---	---	---	---	---



Sub-Matrix: WATER			Compound	EA025: Suspended Solids (SS)	---	---	---	---
			LOR Unit	1.0 mg/L	---	---	---	---
Sample ID	Sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	---	---	---	---	---
GS1/M/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-034	1.2	---	---	---	---	---
GS1/B/ Mid-Ebb	25-Mar-2021	HK2111004-035	1.3	---	---	---	---	---
GS1/B/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-036	1.1	---	---	---	---	---
CS1/S/ Mid-Ebb	25-Mar-2021	HK2111004-037	1.6	---	---	---	---	---
CS1/S/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-038	1.5	---	---	---	---	---
CS1/M/ Mid-Ebb	25-Mar-2021	HK2111004-039	1.5	---	---	---	---	---
CS1/M/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-040	1.2	---	---	---	---	---
CS1/B/ Mid-Ebb	25-Mar-2021	HK2111004-041	1.1	---	---	---	---	---
CS1/B/Duplicate Mid-Ebb	25-Mar-2021	HK2111004-042	1.5	---	---	---	---	---
B2/S/ Mid-Flood	25-Mar-2021	HK2111004-043	<1.0	---	---	---	---	---
B2/S/Duplicate Mid-Flood	25-Mar-2021	HK2111004-044	<1.0	---	---	---	---	---
B2/B/ Mid-Flood	25-Mar-2021	HK2111004-047	2.1	---	---	---	---	---
B2/B/Duplicate Mid-Flood	25-Mar-2021	HK2111004-048	1.9	---	---	---	---	---
C3/S/ Mid-Flood	25-Mar-2021	HK2111004-049	1.9	---	---	---	---	---
C3/S/Duplicate Mid-Flood	25-Mar-2021	HK2111004-050	1.4	---	---	---	---	---
C3/M/ Mid-Flood	25-Mar-2021	HK2111004-051	1.9	---	---	---	---	---
C3/M/Duplicate Mid-Flood	25-Mar-2021	HK2111004-052	1.2	---	---	---	---	---
C3/B/ Mid-Flood	25-Mar-2021	HK2111004-053	<1.0	---	---	---	---	---
C3/B/Duplicate Mid-Flood	25-Mar-2021	HK2111004-054	<1.0	---	---	---	---	---
C4/S/ Mid-Flood	25-Mar-2021	HK2111004-055	1.5	---	---	---	---	---
C4/S/Duplicate Mid-Flood	25-Mar-2021	HK2111004-056	1.4	---	---	---	---	---
C4/M/ Mid-Flood	25-Mar-2021	HK2111004-057	1.4	---	---	---	---	---
C4/M/Duplicate Mid-Flood	25-Mar-2021	HK2111004-058	1.7	---	---	---	---	---
C4/B/ Mid-Flood	25-Mar-2021	HK2111004-059	1.6	---	---	---	---	---
C4/B/Duplicate Mid-Flood	25-Mar-2021	HK2111004-060	1.1	---	---	---	---	---
F1/S/ Mid-Flood	25-Mar-2021	HK2111004-061	<1.0	---	---	---	---	---
F1/S/Duplicate Mid-Flood	25-Mar-2021	HK2111004-062	<1.0	---	---	---	---	---
F1/M/ Mid-Flood	25-Mar-2021	HK2111004-063	<1.0	---	---	---	---	---
F1/M/Duplicate Mid-Flood	25-Mar-2021	HK2111004-064	<1.0	---	---	---	---	---
F1/B/ Mid-Flood	25-Mar-2021	HK2111004-065	1.3	---	---	---	---	---
F1/B/Duplicate Mid-Flood	25-Mar-2021	HK2111004-066	1.4	---	---	---	---	---
F2/S/ Mid-Flood	25-Mar-2021	HK2111004-067	<1.0	---	---	---	---	---
F2/S/Duplicate Mid-Flood	25-Mar-2021	HK2111004-068	<1.0	---	---	---	---	---



Sub-Matrix: WATER

			<i>Compound</i>	EA025: Suspended Solids (SS)	----	----	----	----
			<i>LOR Unit</i>	1.0 mg/L	----	----	----	----
<i>Sample ID</i>	<i>Sampling date / time</i>	<i>Laboratory sample ID</i>	EA/ED: Physical and Aggregate Properties	----	----	----	----	----
F2/M/ Mid-Flood	25-Mar-2021	HK2111004-069	1.1	----	----	----	----	----
F2/M/Duplicate Mid-Flood	25-Mar-2021	HK2111004-070	1.4	----	----	----	----	----
F2/B/ Mid-Flood	25-Mar-2021	HK2111004-071	1.2	----	----	----	----	----
F2/B/Duplicate Mid-Flood	25-Mar-2021	HK2111004-072	1.0	----	----	----	----	----
GS1/S/ Mid-Flood	25-Mar-2021	HK2111004-073	1.0	----	----	----	----	----
GS1/S/Duplicate Mid-Flood	25-Mar-2021	HK2111004-074	1.7	----	----	----	----	----
GS1/M/ Mid-Flood	25-Mar-2021	HK2111004-075	1.3	----	----	----	----	----
GS1/M/Duplicate Mid-Flood	25-Mar-2021	HK2111004-076	1.4	----	----	----	----	----
GS1/B/ Mid-Flood	25-Mar-2021	HK2111004-077	1.0	----	----	----	----	----
GS1/B/Duplicate Mid-Flood	25-Mar-2021	HK2111004-078	1.5	----	----	----	----	----
CS1/S/ Mid-Flood	25-Mar-2021	HK2111004-079	1.7	----	----	----	----	----
CS1/S/Duplicate Mid-Flood	25-Mar-2021	HK2111004-080	1.5	----	----	----	----	----
CS1/M/ Mid-Flood	25-Mar-2021	HK2111004-081	1.8	----	----	----	----	----
CS1/M/Duplicate Mid-Flood	25-Mar-2021	HK2111004-082	1.6	----	----	----	----	----
CS1/B/ Mid-Flood	25-Mar-2021	HK2111004-083	1.9	----	----	----	----	----
CS1/B/Duplicate Mid-Flood	25-Mar-2021	HK2111004-084	1.2	----	----	----	----	----



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: 3588724)								
HK2111004-001	B2/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.3	1.0	26.1
HK2111004-013	C4/S/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.1	1.4	29.7
EA/ED: Physical and Aggregate Properties (QC Lot: 3588725)								
HK2111004-023	F1/B/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.9	1.7	13.9
HK2111004-033	GS1/M/ Mid-Ebb	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.5	1.8	21.2
EA/ED: Physical and Aggregate Properties (QC Lot: 3588726)								
HK2111004-043	B2/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	<1.0	<1.0	0.00
HK2111004-055	C4/S/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.5	1.7	14.2
EA/ED: Physical and Aggregate Properties (QC Lot: 3588727)								
HK2111004-065	F1/B/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.3	1.8	32.2
HK2111004-075	GS1/M/ Mid-Flood	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.3	1.0	23.6

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: 3588724)											
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: 3588725)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	98.5	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3588726)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	104	----	85.9	117	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 3588727)											
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.