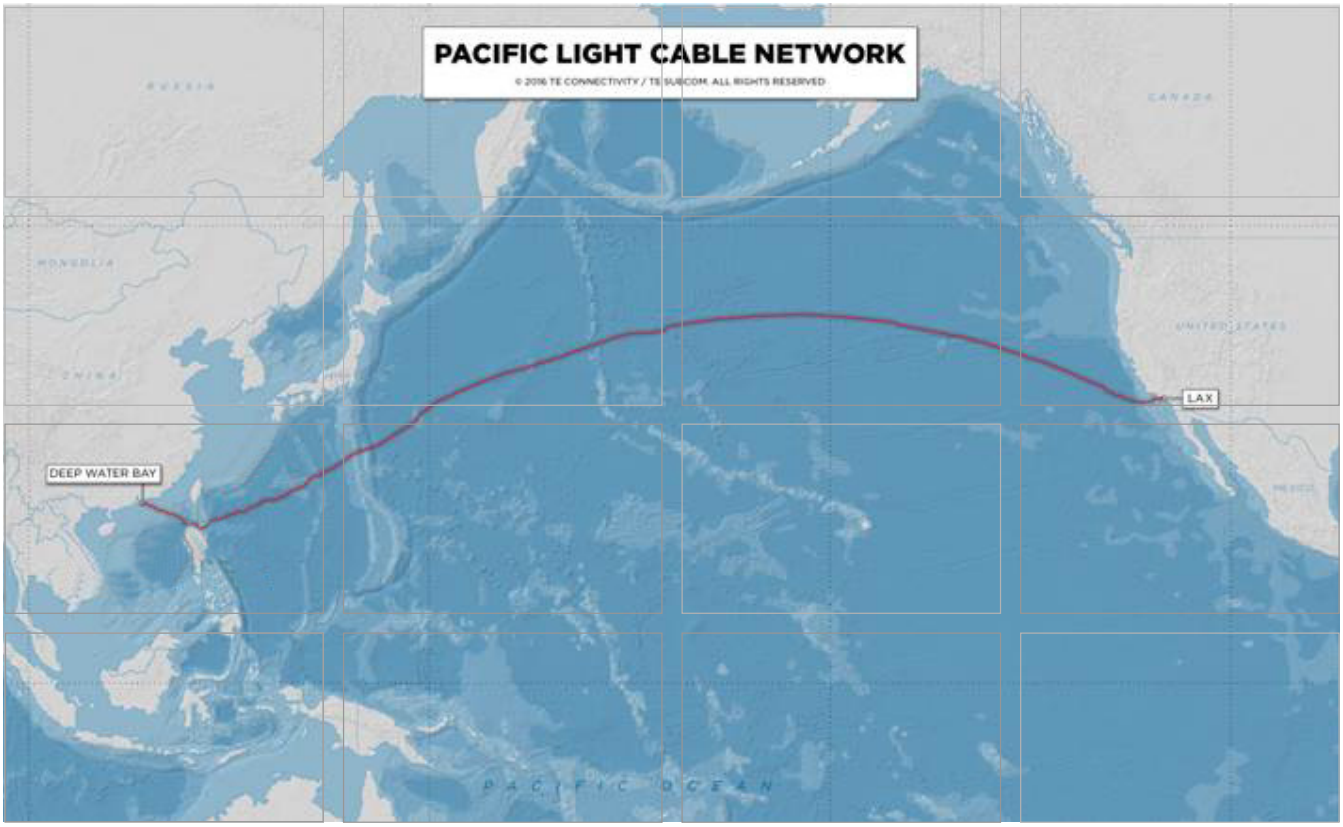
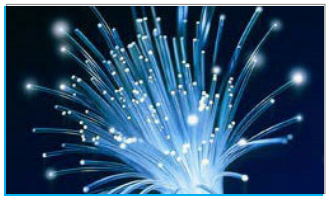
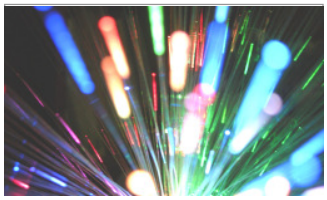




Pacific Light Cable Network (PLCN) - Deep Water Bay (EP-539/2017)

Phase 1 – 2nd Weekly Water Quality Impact Monitoring Report

Apr 2018

Environmental Resources Management
16/F, Berkshire House
25 Westlands Road
Quarry Bay, Hong Kong
Telephone 2271 3000
Facsimile 2723 5660

www.erm.com

Pacific Light Cable Network (PLCN) – Deep Water Bay (EP-539/2017)

Phase 1 – 2nd Weekly Water Quality Impact Monitoring Report

Environmental Resources Management

16/F, Berkshire House
25 Westlands Road
Quarry Bay
Hong Kong
Telephone: (852) 2271 3000
Facsimile: (852) 2723 5660
E-mail: post.hk@erm.com
http://www.erm.com

ERM Document Code: 0448409.doc

Client:	GMS No:
PCCW Global (HK) Limited	0448409
Summary:	Date: 19 April 2018
This report presents the monitoring requirements, methodologies and results of the impact water quality monitoring in accordance with the Project Profile (PP-550/2017).	Approved by : *Terence Fong* *Partner*

Revision	Description	By	Checked	Approved	Date
0	Phase 1 – 2nd Weekly Water Quality Impact Monitoring Report	NN	FZino	TFONG	19 Apr 18

Distribution

☒ Government

☒ Public

☐ Confidential

OHSAS 18001:2007
Certificate No. OHS 515956

ISO 9001 : 2008
Certificate No. FS 32515

PCCW Global®

Pacific Light Cable Network (PLCN) – Deep Water Bay
Environmental Certification Sheet
EP-539/2017

Reference Document/Plan

Document/~~Plan~~ to be ~~Certified~~/ Verified:	*Phase 1 – 2nd Weekly Water Quality Impact Monitoring Report*
Date of Report:	19 April 2018
Date prepared by ET:	ERM-Hong Kong Ltd
Date received by IEC:	Ecosystem Ltd

Reference EM&A Manual/ EP Requirement

EM&A Manual Requirement: Section 2

Content: *Water Quality Monitoring*

G.2.3.1 "The impact monitoring works shall cover all monitoring stations within the same area (Area A or Area B as shown in Figure G1, G2a and G2b) as the works being undertaken for the cable installation/ repair operation. ..."

G2.5 The reports to be provided shall include:

- Baseline Monitoring Report;
- **Weekly Impact Monitoring Reports;** and
- Post Project Monitoring Report.

...The Impact Monitoring Report will be provided weekly within three days after the relevant monitoring data are collected or become available during the cable installation/ repair operation work.

EP Condition: Conditions No. 3.2 – 3.3

Content: *Water Quality Monitoring*

3.2 Samples, measurements and necessary remedial actions shall be taken in accordance with the EM&A requirements described in the Project Profile (Register No. PP-550/2017) by:

(a) conducting baseline environmental monitoring;
(b) conducting impact monitoring; and
(c) carrying out remedial actions in accordance to the EM&A requirements as described in the Project Profile (Register No. PP-550/2017), or as agreed by the Director, in case where specified criteria in the EM&A requirements are exceeded.

3.3 Submit to the Director three hard copies and one electronic copy of the following, as defined in the EM&A requirements described in the Project Profile (Register No. PP-550/2017):

(a) Baseline Monitoring Report on water quality no later than 2 week before the commencement of cable installation works;
(b) Weekly EM&A Report no later than 3 days after the relevant monitoring data are collected or become available during the cable installation works; and
(c) Final EM&A Report within one month after completion of the construction works.

PCCW Global®

ET Certification

I hereby certify that the above referenced document/~~plan~~ complies with the above referenced condition of EP-539/2017.

Terence Fong, Environmental Team Leader: Date: 19 April 2018

IEC Verification

I hereby verify that the above referenced document/~~plan~~ complies with the above referenced condition of EP-539/2017.

Dr Vincent Lai, Independent Environmental Checker: Date: 19 April 2018

CONTENTS

LIST OF TABLES

LIST OF ANNEXES

EXECUTIVE SUMMARY

The cable installation works for the **Pacific Light Cable Network – Deep Water Bay** (the 'Project') are scheduled to be carried out in phases:

- **Phase 1** Land Cable Installation and Shore-End Cable Installation **(Zone A only)** – completed on 4 April;
- **Phase 2** Submarine Cable Installation **(Zones A and B)** – tentatively scheduled to commence Jun/Jul 2018.

Phase 1 of the Project commenced with land works at Deep Water on 6 March 2018 (no water jetting work and no WQ impact monitoring requirement). Land works completed on 24 March 2018. Near shore marine diver jetting works within silt curtain (requiring WQ impact monitoring) then started on 24 March 2018, and was completed on 4 April.

Note that installation works in April were done outside 300 m from the seaward boundary of the beach, as required in the Environmental Permit [EP-539/2017] conditions.

This is the *Phase 1 –2nd Weekly Water Quality Impact Monitoring Report* presenting the water quality impact monitoring conducted during the period from 31 March to 4 April 2018, in accordance with the EM&A Manual.

Summary of Construction Works undertaken during the Reporting Period

During the reporting week, diver hand jetting operations (ie simultaneous jetting and burial of cable) within silt curtain continued between 31 March and 4 April 2018 inclusive, except Sundays and public holidays (including Sat 31 March to Mon 2 April 2018). All works were within Zone A.

Water Quality

Daily monitoring events were conducted for all work days between 31 March and 4 April 2018 at Deep Water Bay (ie Zone A). All monitoring events at all designated monitoring stations in Zone A were performed on schedule, ie on 3 & 4 April 2018 and further out than 300 m from the seaward boundary of the beach.

Recorded levels of dissolved oxygen, albeit frequently recorded as being below the corresponding Action and Limit Levels, were deemed to be due to natural fluctuations and were quite high and stable, with dissolved oxygen saturation levels of >93% throughout the period. Fluctuation in turbidity and suspended solids levels was observed during some monitoring days, again deemed to be due to natural seasonal variation.

Environmental Non-conformance

No non-conformance was recorded; results of detailed investigations indicated none of the exceedances recorded were attributed to the Project construction works:

- Two Notification of Exceedances (NOEs) with detailed investigation reports were issued to EPD and AFCD during the reporting period for recording daily exceedances of Action and Limit Levels for dissolved oxygen, both bottom layer (on both 3 & 4 April) as well as surface and middle (also on both 3 & 4 April). There were exceedances of turbidity recorded on both 3 & 4 April 2018. Exceedance of suspended solids was recorded on 3 April 2018.

- Results of detailed investigations indicate none of the exceedances recorded were attributed to the Project construction works and therefore no non-conformance is recorded.

- The Contractors were told by the Environmental Team (ET) that exceedances were occurring and told to take care to ensure all necessary procedures are followed to avoid the Project impacting the water environment.

No complaint and summons/prosecution was received during the reporting week.

Future Key Issues

There are no key issues identified.

Phase 1 Land Cable Installation and Shore-End Cable Installation was completed in this reporting period on 4 April 2018, and no further water quality impact monitoring is required until jetting works for *Phase 2 Submarine Cable Installation* starts (See *Section 2.1* for tentative schedule).

1 INTRODUCTION

ERM-Hong Kong, Limited (ERM) was appointed by PCCWG as the Environmental Team (ET) to implement the Environmental Monitoring and Audit (EM&A) programme for the Pacific Light Cable Networks (PLCN) – Deep Water Bay Project (thereinafter called the 'Project').

1.1 PURPOSE OF THE REPORT

This is the 2nd Weekly Water Quality Impact Monitoring Report for Phase 1 of the Project (Land Cable Installation and Shore-End Cable Installation), and summarises the water quality (WQ) impact monitoring results during the reporting period from 31 March to 4 April 2018. Note that installation works in April were done outside 300 m from the seaward boundary of the beach, as required in the Environmental Permit [EP-539/2017] conditions.

1.2 STRUCTURE OF THE REPORT

The structure of the report is as follows:

Section 1 : ***Introduction***
Details the background, purpose and structure of the report.

Section 2 : ***Project Information***
Summarises background and scope of the project, the construction works undertaken and the status of Environmental Permits/Licenses during the reporting period.

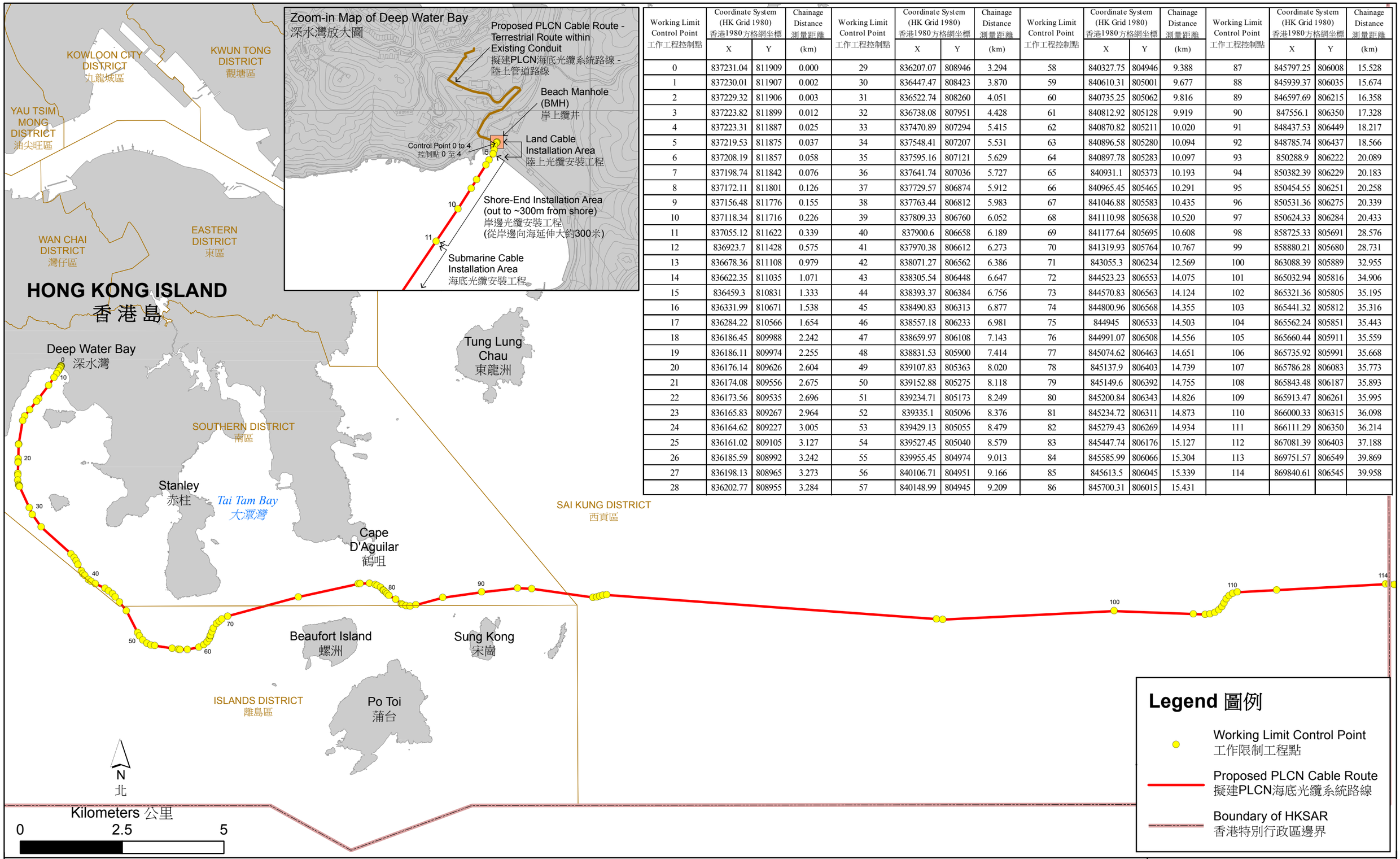
Section 3 : ***Water Quality Monitoring Requirements***
Summarises the monitoring parameters, monitoring programmes, monitoring methodologies, monitoring frequency, monitoring locations, Action and Limit Levels, and Event / Action Plans.

Section 4 : ***Monitoring Results***
Summarises the monitoring results obtained in the reporting period.

Section 5 : ***Environmental Non-conformance***
Summarises any monitoring exceedance, environmental complaints and environmental summons within the reporting period.

Section 6 : ***Future Key Issues***
Summarises the monitoring schedule for the next week.

Section 7 : ***Conclusions***
Presents the key findings of the impact monitoring results.



Working Limit Control Point 工作工程控制點	Coordinate System (HK Grid 1980) 香港1980方格網坐標		Chainage Distance 測量距離	Working Limit Control Point 工作工程控制點	Coordinate System (HK Grid 1980) 香港1980方格網坐標		Chainage Distance 測量距離	Working Limit Control Point 工作工程控制點	Coordinate System (HK Grid 1980) 香港1980方格網坐標		Chainage Distance 測量距離	Working Limit Control Point 工作工程控制點	Coordinate System (HK Grid 1980) 香港1980方格網坐標		Chainage Distance 測量距離
	X	Y	(km)		X	Y	(km)		X	Y	(km)		X	Y	(km)
0	837231.04	811909	0.000	29	836207.07	808946	3.294	58	840327.75	804946	9.388	87	845797.25	806008	15.528
1	837230.01	811907	0.002	30	836447.47	808423	3.870	59	840610.31	805001	9.677	88	845939.37	806035	15.674
2	837229.32	811906	0.003	31	836522.74	808260	4.051	60	840735.25	805062	9.816	89	846597.69	806215	16.358
3	837223.82	811899	0.012	32	836738.08	807951	4.428	61	840812.92	805128	9.919	90	847556.1	806350	17.328
4	837223.31	811887	0.025	33	837470.89	807294	5.415	62	840870.82	805211	10.020	91	848437.53	806449	18.217
5	837219.53	811875	0.037	34	837548.41	807207	5.531	63	840896.58	805280	10.094	92	848785.74	806437	18.566
6	837208.19	811857	0.058	35	837595.16	807121	5.629	64	840897.78	805283	10.097	93	850288.9	806222	20.089
7	837198.74	811842	0.076	36	837641.74	807036	5.727	65	840931.1	805373	10.193	94	850382.39	806229	20.183
8	837172.11	811801	0.126	37	837729.57	806874	5.912	66	840965.45	805465	10.291	95	850454.55	806251	20.258
9	837156.48	811776	0.155	38	837763.44	806812	5.983	67	841046.88	805583	10.435	96	850531.36	806275	20.339
10	837118.34	811716	0.226	39	837809.33	806760	6.052	68	841110.98	805638	10.520	97	850624.33	806284	20.433
11	837055.12	811622	0.339	40	837900.6	806658	6.189	69	841177.64	805695	10.608	98	858725.33	805691	28.576
12	836923.7	811428	0.575	41	837970.38	806612	6.273	70	841319.93	805764	10.767	99	858880.21	805680	28.731
13	836678.36	811108	0.979	42	838071.27	806562	6.386	71	843055.3	806234	12.569	100	863088.39	805889	32.955
14	836622.35	811035	1.071	43	838305.54	806448	6.647	72	844523.23	806553	14.075	101	865032.94	805816	34.906
15	836459.3	810831	1.333	44	838393.37	806384	6.756	73	844570.83	806563	14.124	102	865321.36	805805	35.195
16	836331.99	810671	1.538	45	838490.83	806313	6.877	74	844800.96	806568	14.355	103	865441.32	805812	35.316
17	836284.22	810566	1.654	46	838557.18	806233	6.981	75	844945	806533	14.503	104	865562.24	805851	35.443
18	836186.45	809988	2.242	47	838659.97	806108	7.143	76	844991.07	806508	14.556	105	865660.44	805911	35.559
19	836186.11	809974	2.255	48	838831.53	805900	7.414	77	845074.62	806463	14.651	106	865735.92	805991	35.668
20	836176.14	809626	2.604	49	839107.83	805363	8.020	78	845137.9	806403	14.739	107	865786.28	806083	35.773
21	836174.08	809556	2.675	50	839152.88	805275	8.118	79	845149.6	806392	14.755	108	865843.48	806187	35.893
22	836173.56	809535	2.696	51	839234.71	805173	8.249	80	845200.84	806343	14.826	109	865913.47	806261	35.995
23	836165.83	809267	2.964	52	839335.1	805096	8.376	81	845234.72	806311	14.873	110	866000.33	806315	36.098
24	836164.62	809227	3.005	53	839429.13	805055	8.479	82	845279.43	806269	14.934	111	866111.29	806350	36.214
25	836161.02	809105	3.127	54	839527.45	805040	8.579	83	845447.74	806176	15.127	112	867081.39	806403	37.188
26	836185.59	808992	3.242	55	839955.45	804974	9.013	84	845585.99	806066	15.304	113	869751.57	806549	39.869
27	836198.13	808965	3.273	56	840106.71	804951	9.166	85	845613.5	806045	15.339	114	869840.61	806545	39.958
28	836202.77	808955	3.284	57	840148.99	804945	9.209	86	845700.31	806015	15.431				

Figure 1.1
圖 1.1

Proposed PLCN Cable Route
擬建PLCN海底光纜系統路線

File: T:\GIS\CONTRACT\0335723\Mxd\0335723_Proposed_PLCN_Cable_Route_bil.mxd
Date: 29/3/2017

Environmental Resources Management
ERM

2 PROJECT INFORMATION

2.1 BACKGROUND

In order to help meet the tremendous telecommunication services requirements between Asia and North America, the **PLCN Consortium** has decided to build a submarine telecommunication cable system, which will be approximately 12,800 km in length, connecting Hong Kong and the United States. The cable will connect to Deep Water Bay (DWB) within the HKSAR. **PCCW Global (HK) Limited (PCCWG)** is providing the cable landing point and the associated cable landing service in Hong Kong for the PLCN Consortium.

The proposed cable will land at an existing Beach Man Hole location at Deep Water Bay (DWB) in Hong Kong and the full route of the proposed PLCN submarine cable system is depicted in *Figure 1.1*. It should be noted that DWB is currently the landing site for a number of submarine cables.

The Project Profile (PP-550/2017) which includes an assessment of the potential environmental impacts associated with the installation and operation of the submarine telecommunications cable system within HKSAR (including connection to land at DWB) was prepared and submitted to the Environmental Protection Department (EPD) under section 5.(1) (b) and 5.(11) of the *Environmental Impact Assessment Ordinance* (EIAO) for the application for Permission to apply directly for Environmental Permit (EP). On 1 June 2017, EPD issued a letter to PCCWG permitting direct application for an environmental permit and following an application, EPD subsequently issued an Environmental Permit (EP-539/2017) on 10 July 2017.

Pursuant to *Condition 3.1* of the EP, an environmental monitoring and audit (EM&A) programme, as set out in the Project Profile is required for this Project. As per *Condition 3.2* of the EP regarding Water Quality Monitoring, there is a requirement to conduct water quality baseline monitoring and impact monitoring. The corresponding Action and Limit Levels will be derived from the baseline data.

Cable installation for this Project is scheduled to be carried out in two phases, with Phase 1 situated in part of Zone A only and Phase 2 covering Zones A and B (as well as the alignment outside both Zone A or Zone B). The phasing of the cable installation works is shown in *Figures 2.1* to *2.3* and the current schedule and works carried out to date for each Phase is as follows:

- **Phase 1 Land Cable Installation and Shore-End Cable Installation (Zone A only):** Mini shore-end cable installation to Beach Manhole at Deep Water Bay (DWB), involving land trench excavation and shore-end cable installation of the PLCN cable (ie from Beach Manhole out to approximately 650 m from Beach Man Hole) using diver jetting;

- Baseline data were collected prior to the start of Phase 1 cable installation works (between 5th and 9th February 2018) and Action and Limit Levels derived from these data, as presented in the final *Baseline Water Quality Monitoring Report (Zone A*).

- Land trenching commenced 6 March 2018. Following issue of Marine Department Notice on 23 March 2018, land trenching completed with LCSD inspection of restored beach area, on 24 March 2018.

- Near shore marine diver jetting works within silt curtain commenced 24 Mar 2018, and was completed on 4 April.

- Note that all works in April were done outside 300 m from the seaward boundary of the beach, as required in the Environmental Permit [EP-539/2017] conditions.

- **Phase 2 Submarine Cable Installation (Zones A and B):** Installation of PLCN cable from shore-end (ie approximately 650m from Beach Manhole) to HK SAR marine eastern boundary, involving jetting technique and potential diver jetting in specific areas (eg HK Electric Pipeline crossing).
  - Marine installation works using jetting technique is tentatively scheduled to commence Jun/Jul 2018.

Given the commencement dates for Phase 1 and Phase 2 cable installation and jetting works are currently scheduled to start at least two months apart, the baseline data (and corresponding Action and Limit Levels) are being presented in separate reports for each Phase.

This report covers the Project's *Phase 1 Land Cable Installation and Shore-End Cable Installation* (Only Zone A as show in *Figure 2.2*) and refers to the *Baseline Water Quality Monitoring Report (Zone A*) for Action and Limit Levels.

2.2 MARINE CONSTRUCTION WORKS UNDERTAKEN DURING REPORTING WEEK

A summary of the key works undertaken during the reporting week is shown in *Table 2.1*.

Table 2.1 Summary of Marine Works Undertaken During the Reporting Week

Date	Works Area	Activity
Sat 31 March 2018	Phase 1 of Zone A	Public holiday – no cable installation works undertaken
Sun 1 April 2018	Phase 1 of Zone A	Sunday – no cable installation works undertaken
Mon 2 April 2018	Phase 1 of Zone A	Public holiday – no cable installation works undertaken
Tue 3 April 2018	Phase 1 of Zone A	Diver hand jetting and burial of cable simultaneously (within silt curtain) outside 300 m from the seaward boundary of the beach.

Date	Works Area	Activity
Wed 4 April 2018	Phase 1 of Zone A	Diver hand jetting and burial of cable simultaneously (within silt curtain) outside 300 m from the seaward boundary of the beach Phase 1 works completed.

2.3 STATUS OF ENVIRONMENTAL APPROVAL DOCUMENTS

A summary of the relevant permits, licences, notifications and/or reports on environmental protection for this Project is presented in *Table 2.2*.

Table 2.2 Summary of Environmental Licensing, Notification, Permit and Reporting Status

Permit / Licence / Notification / Report	Reference	Validity Period	Remarks
Environmental Permit	(EP-539/2017) Available at http://www.epd.gov.hk/eia/english/alpha/aspd_717.html	Throughout construction & operation period	Granted on 10 July 2017
EM&A Manual	(PP-550/2017) (as part of the Project Profile – see above)	Throughout construction & operation period	Approved by EPD on 1 June 2017
Baseline Water Quality Monitoring Report (Zone A)	Available at http://www.epd.gov.hk/eia/english/register/aep/ep5392017_content.html	Throughout construction period for Phase 1 works in Zone A	Approved by EPD on 15 March 2018
Phase 1 – 1st Weekly WQ Impact Monitoring Report	Available at http://www.epd.gov.hk/eia/english/register/aep/ep5392017_content.html	n/a	Submitted to EPD 18 April 2018

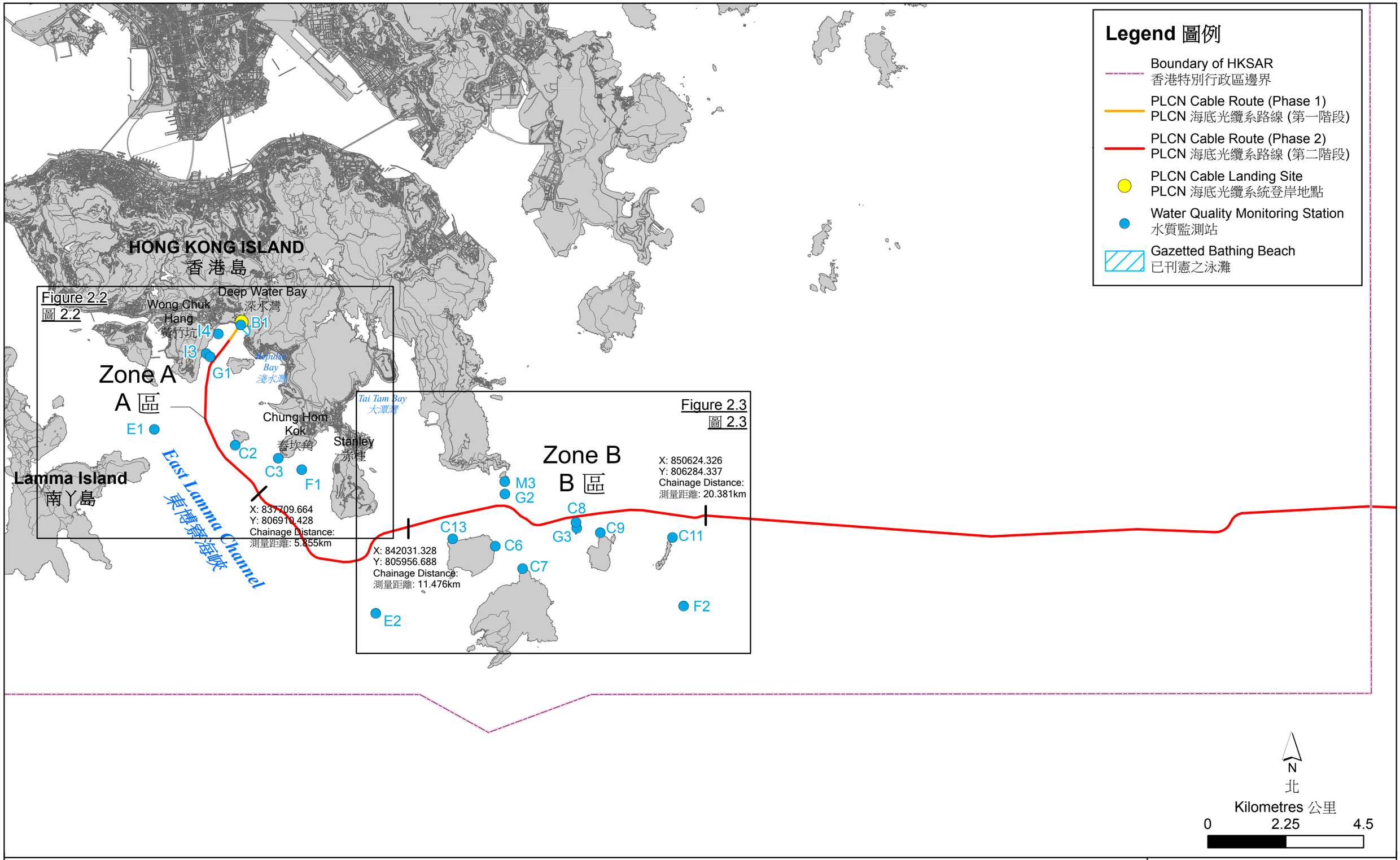


Figure 2.1
圖 2.1

Water Quality Monitoring Stations - Overview
水質監測圖 - 概覽

File: T:\GIS\CONTRACT\0335723\Mxd\0335723_PLCN_Phase_1_n_2_bil.mxd
Date: 14/3/2018

Environmental Resources Management

ERM

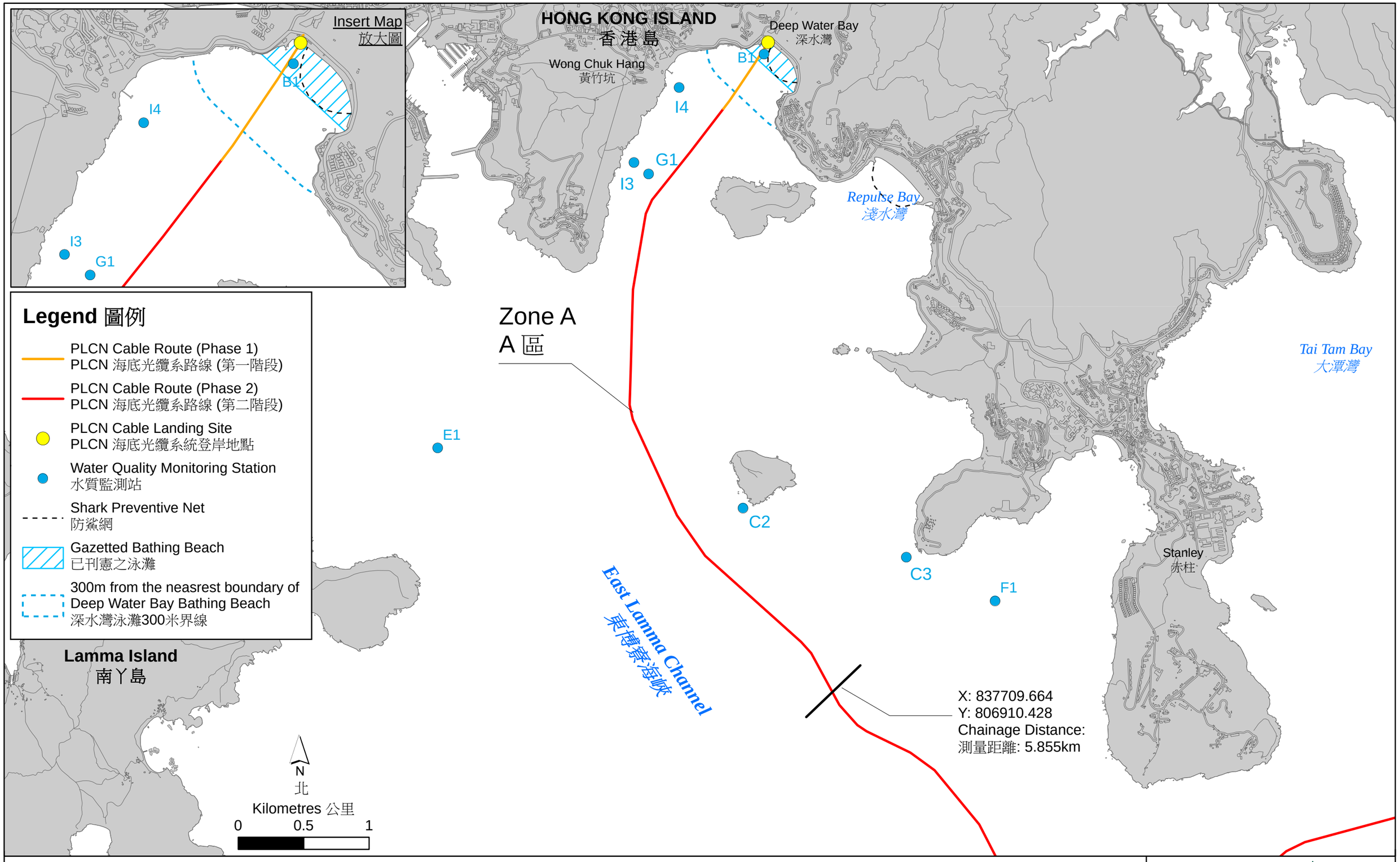


Figure 2.2
圖 2.2

Water Quality Monitoring Stations - Zone A
水質監測站 - A 區

File: T:\GIS\CONTRACT\0335723\Mxd\0335723_PLCN_Phase_1_n_2_AreaA_bil.mxd
Date: 14/3/2018

Environmental Resources Management

ERM

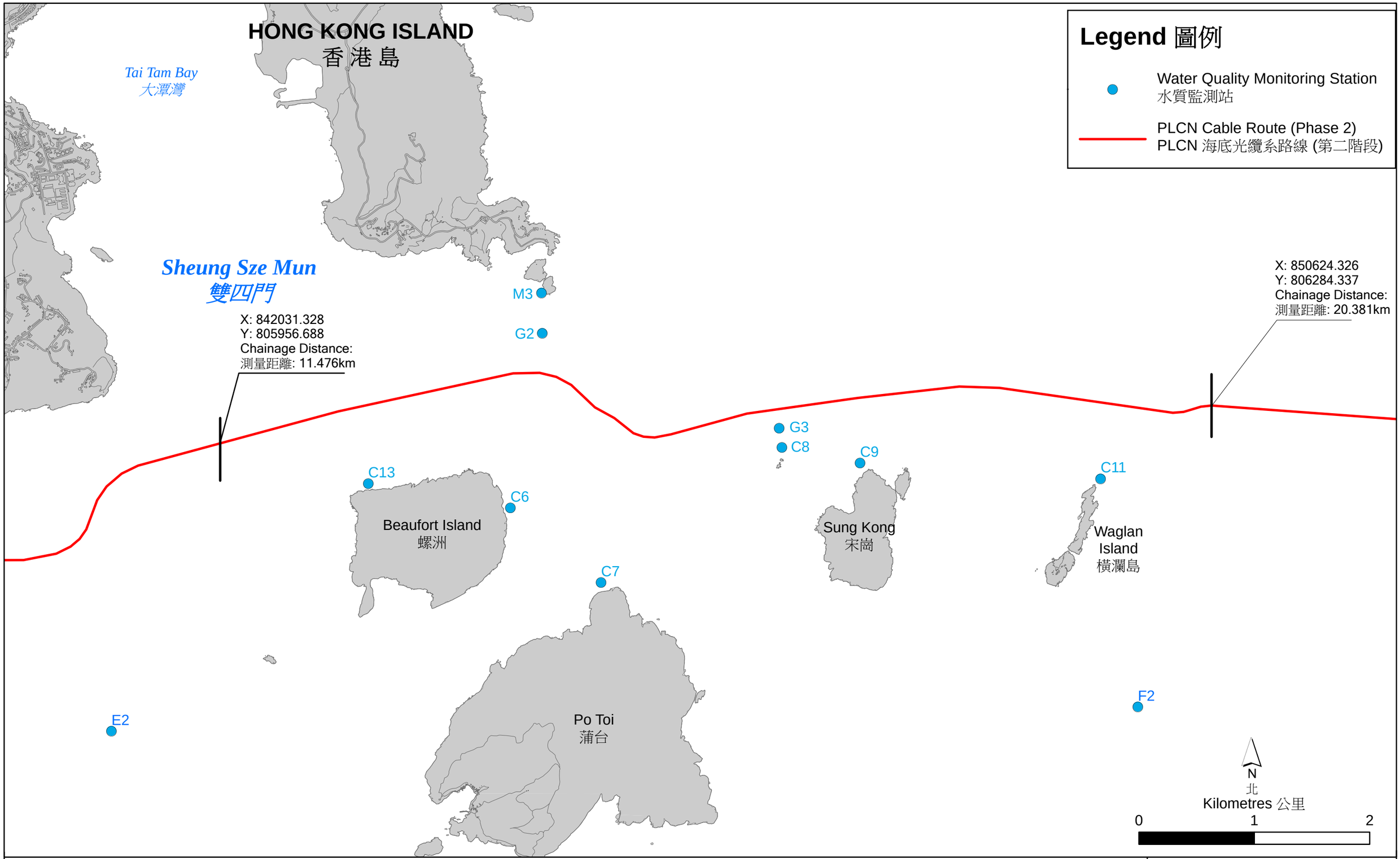


Figure 2.3
圖 2.3

Water Quality Monitoring Stations - Zone B
水質監測站 - B 區

File: T:\GIS\CONTRACT\0335723\Mxd\0335723_PLCN_Phase_1_n_2_AreaB_bil.mxd
Date: 14/3/2018

Environmental
Resources
Management

ERM

3 WATER QUALITY MONITORING REQUIREMENTS

3.1 MONITORING LOCATIONS

In accordance with the *Annex G* of *the Project Profile,* during the installation of the cable in Zone A, water quality sampling was undertaken at stations situated around the cable laying works at Deep Water Bay (ie Zone A). The locations of the sampling stations within Zone A are shown in *Figures 2.1* to *2.3*. The co-ordinates of Zone A and the above monitoring stations are listed in *Table 3.1* and *Table 3.2*, respectively.

Table 3.1 Co-ordinates of Starting Points and Ending Points for Zones A (HK Grid)

Zone	Starting Point		Ending Point	
	Easting	Northing	Easting	Northing
A	Start from shore end.		837709.664	806910.428

Table 3.2 Co-ordinates of Baseline Monitoring Stations (HK Grid)

Station	Nature	Corresponding Control Station	Easting	Northing
B1	Impact Station (Adjacent to Deep Water Bay Beach)	E1, F1	837188	811783
I3	Impact Station (Ocean Park's Main Seawater Intake)	E1, F1	836195	810956
I4	Impact Station (Ocean Park's Training Yard Seawater Intake)	E1, F1	836539	811529
C2	Impact Station (Coral sites along the coast of Round Island)	E1, F1	847579	805787
C3	Impact Station (Coral sites along the coast of Chung Hom Kok)	E1, F1	838275	807941
G1	Gradient Station (Between Ocean Park's Main Seawater Intake and cable alignment)	E1, F1	836306	810867
E1	Control Station for Zone A in Ebb Tide	-	834695	808775
F1	Control Station for Zone A in Flood Tide	-	838953	807607

3.2 MONITORING PARAMETERS AND FREQUENCY

The impact water quality monitoring was conducted in accordance with the requirements stated in the *Annex G* of *the Project Profile*. These are presented below.

3.2.1 Monitoring Parameters

Parameters measured *in situ* were:

- dissolved oxygen (DO) (% saturation and mg L^{-1});
- temperature (°C);

- turbidity (NTU); and
- salinity (‰).

The only parameter measured in the laboratory was:

- suspended solids (SS) (mg L^{-1}).

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

3.2.2 *Monitoring Frequency*

Impact Monitoring at all monitoring stations within Zone A (B1, I3, I4, C2, C3, G1, E1 and F1) took place when the cable installation works were undertaken within Zone A as shown in *Figure 2.1*. The sampling works ceased when no cable installation works were conducted inside Zone A.

All Phase 1 construction works were undertaken during normal working hours (07:00 - 19:00), and impact monitoring (including the collection of *In-situ* and SS data) was conducted at 2-hour intervals during the cable installation works. The monitoring frequency and parameters for Impact Monitoring are summarised in *Table 3.3*.

Table 3.3 Monitoring Frequency and Parameters for Impact Monitoring at Zone A

Zone	Station Type	Monitoring Station	Monitoring Frequency	Monitoring Parameter
A	Control	E1 and F1	Six times per day from 07:00 to 19:00 daily when cable installation works undertaken in Zone A	Temperature, Turbidity, Salinity, DO, SS
	Impact	B1, I3, I4, C2, C3 and G1		

3.3 MONITORING EQUIPMENT AND METHODOLOGY

3.3.1 Monitoring Equipment

Table 3.4 summaries the equipment used for the water quality impact monitoring.

Table 3.4 Equipment used during Baseline Water Quality Monitoring

Equipment	Model
Global Positioning Device	Garmin etrex 20x & Furuno GP-170E (dGPS)
Water Depth Gauge	Sontek Hydrosurveyor / Sontek Riversurveyor
Water Sampling Equipment	Wildlife 1120 – 2.2L alpha vertical sampler
Salinity, DO, Temperature Measuring Meter	YSI ProDSS (Multi-Parameter)
Current Velocity and Direction	Sontek Hydrosurveyor / Sontek Riversurveyor
Turbidity Meter	YSI ProDSS (Multi-Parameter)

3.3.2 Monitoring Methodology

Timing & Frequency

The water quality monitoring was conducted on all work days within Zone A at 2-hour intervals during the cable installation works. A total of 6 monitoring rounds were conducted during the 12-hour work period on each work day from 07:00 to 19:00.

Depths

Each station was sampled and measurements were taken at three depths, 1 m below the sea surface, mid depth and 1m above the sea bed. (All stations were at least 3 m in depth)

Protocols

All *in situ* monitoring instruments were checked, calibrated and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme before use (see calibration reports in *Annex A*), and will subsequently be re-calibrated at-monthly intervals throughout all stages of the water quality monitoring. Responses of sensors and electrodes were checked with certified standard solutions before each use.

For the on-site calibration of field equipment, the *BS 1427: 1993, Guide to Field and On-Site Test Methods for the Analysis of Waters* was observed. Sufficient

stocks of spare parts were maintained for replacements when necessary. Backup monitoring equipment was made available.

Water samples for SS measurements were collected in high density polythene bottles, packed in ice (cooled to 4° C without being frozen), and delivered to a HOKLAS laboratory (ALS Technichem [HK] Pty Ltd) as soon as possible after collection.

Laboratory Analysis

All laboratory work was carried out in a HOKLAS accredited laboratory (ALS Technichem [HK] Pty Ltd). Water samples of about 1,000 mL were collected at the monitoring and control stations for carrying out the laboratory determinations. The determination work started within the next working day after collection of the water samples. The SS laboratory measurements were provided within 2 days of the sampling event (48 hours). The analyses followed the standard methods as described in APHA Standard Methods for the *Examination of Water and Wastewater*, 19th Edition, unless otherwise specified (APHA 2540D for SS).

The QA/QC details were in accordance with requirements of HOKLAS or another internationally accredited scheme (for details refer to *Annex B*).

3.3.3 *Action and Limit Levels*

The Action and Limit levels for Zones A, which were established based on the results of *Baseline Water Quality Monitoring (Zone A)*, are presented in *Table 3.5*.

Table 3.5 Action and Limit Levels for Water Quality – Zone A

Parameter	Action Level	Limit Level
SS in mg L^{-1} (Depth-averaged)	95%-ile of baseline data (6.97 mg L^{-1}), or	99%-ile of baseline data (7.22 mg L^{-1}) , and
	20% exceedance of value at any impact station compared with corresponding data from control station	30% exceedance of value at any impact station compared with corresponding data from control station
DO in mg L^{-1}	Surface and Middle 5%-ile of baseline data for surface and middle layer (7.88 mg L^{-1})	Surface and Middle 4 mg L-1 or 1%-ile of baseline for surface and middle layer (7.84 mg L^{-1})
	Bottom 5%-ile of baseline data for bottom layer (7.81 mg L^{-1})	Bottom 2 mg L-1 or 1%-ile of baseline data for bottom layer (7.80 mg L^{-1})
Turbidity in NTU (Depth-averaged)	95%-ile of baseline data (5.51 NTU), or	99%-ile of baseline data (5.79 NTU), and
	20% exceedance of value at any impact station compared with corresponding data from control station	30% exceedance of value at any impact station compared with corresponding data from control station

Parameter	Action Level	Limit Level

Notes:

a. "Depth-averaged" is calculated by taking the arithmetic means of reading of all sampled depths.

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

c. For SS and turbidity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

d. The Action and Limit Level for DO for surface and middle layer were calculated from the combined pool of baseline surface layer data and baseline middle layer data.

3.3.4 *Event and Action Plan*

The Event and Action Plan for water quality monitoring which was stipulated in the *Annex G* of the *Project Profile* is presented in *Table 3.6*.

Table 3.6 Event Action Plan for Water Quality

Event	Contractor
Action Level Exceedance	**Step 1** - repeat sampling event. Where applicable, review results of gradient station(s) to confirm the source of impact. **Step 2** – Inform EPD and AFCD and confirm notification of the non-compliance in writing; **Step 3** - discuss with cable installation/ repair operation contractor the most appropriate method of reducing suspended solids during cable installation/ repair operation (e.g. reduce cable laying speed/pressure in jetting water) and agree with EPD. **Step 4** - repeat measurements after implementation of mitigation for confirmation of compliance. **Step 5** - if non-compliance continues - increase measures in Step 3 and repeat measurements in Step 3. If non-compliance occurs a third time, suspend cable installation/ repair operations.
Limit Level Exceedance	**Step 1** - Suspend cable installation/repair operations immediately (until the cause of the non-compliance is detected and the situation is rectified). **Step 2** - repeat sampling event. Where applicable, review results of gradient station(s) to confirm the source of impact. **Step 3** – Inform EPD and AFCD and confirm notification of the non-compliance in writing **Step 4** - discuss immediately with cable installation/ repair operation contractor the most appropriate method of reducing suspended solids during cable installation/ repair operation (e.g. reduce cable laying speed/pressure in jetting water) and agree with EPD. **Step 5** - repeat measurements after implementation of mitigation or suitable time has elapsed since suspension of cable installation/ repair operations, for confirmation of compliance. **Step 6** -. Repeat Step5 until measurements show compliance.

4 IMPACT MONITORING RESULTS

A total of two monitoring events were carried out between 31 March and 4 April 2018 at Zone A, covering all work days in the period. All monitoring events at all designated monitoring stations within Zone A were performed on schedule, ie on 3 and 4 April 2018, as detailed in *Table 2.1*.

No major Project activities that influenced the water quality within Zone A were identified between 31 March and 4 April 2018.

4.1 DATA COLLECTED

The monitoring data taken at 2-hour intervals within Zone A are presented in *Annex C* and compared against the baseline monitoring results in *Figures C1 - C4*.

In general, the Zone A water quality parameters were stable throughout both sampling days (i.e. 3 & 4 April 2018). Recorded levels of dissolved oxygen, albeit frequently recorded as being below the corresponding Action and Limit Levels, were deemed to be due to natural fluctuations and were quite high and stable, with dissolved oxygen saturation levels of >93% throughout the period. Fluctuation in turbidity and suspended solids levels was observed during both monitoring days, again deemed to be due to natural seasonal variation.

5 ENVIRONMENTAL NON-CONFORMANCES

5.1 SUMMARY OF ENVIRONMENTAL EXCEEDANCE

Exceedances were recorded during the monitoring period (i.e. 31 March – 4 April 2018) for dissolved oxygen, turbidity and suspended solids at the monitoring stations. None of the exceedances recorded were attributed to the Project construction works as detailed below.

There were exceedances of turbidity recorded on both 3 & 4 April 2018. Exceedance of suspended solids was recorded on 3 April 2018. Two Notification of Exceedances (NOEs) with detailed investigation reports were issued to EPD and AFCD during the reporting period for recording daily exceedances of Action and Limit Levels for dissolved oxygen, both bottom layer (on both 3 & 4 April) as well as surface and middle (also on both 3 & 4 April).

The exceedances were examined against the Project works in the NOEs. Results of detailed investigations indicated:

- Exceedance of dissolved oxygen were recorded at all monitoring stations, regardless of the distance from the works area (exceedance recorded at control stations E1 and F1 as well as monitoring stations C2 and C3, which are all far away (over 3 km - See *Figures 2.1* and *2.2*s), while dissolved oxygen saturation level remained high (93% or above). The recorded exceedances were therefore deemed to be due to natural fluctuations;

- High proportion of exceedances of turbidity and suspended solids were recorded at control stations E1 and F1 as well as monitoring stations C2 and C3, which are all far away (over 3 km - See *Figures 2.1* and *2.2*) from the diver hand jetting works. The maximum distance travelled by sediments during cable barge jetting installation is calculated as 180 m (PP-550/2017, Annex A) and small scale diver hand jetting is less powerful meaning sediments would not travel as far. In addition, small scale diver hand jetting works were all conducted within silt curtain and therefore the exceedances recorded at such locations were therefore highly unlikely to be caused by the Project;

- The remaining exceedances of turbidity and suspended solids recorded at monitoring stations close to the diver hand jetting works showed no sign of being related to the Project. These exceedances in general occurred individually (i.e. exceedance not recorded at other monitoring stations which were also close to the diver hand jetting works) or showed other sign(s) which indicated non-Project contribution (e.g. exceedance of SS recorded at monitoring station I3 and G1 while no exceedance recorded at monitoring stations B1 and I4 which were both closer to the Project works in Round 6 on 3 April 2018).

The Contractors were told by the ET that exceedances are occurring and told to take care to ensure all necessary procedures are followed to avoid the Project impacting the water environment.

5.2 *SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE*

No non-compliance events were recorded during the reporting period due to the Project.

5.3 *SUMMARY OF ENVIRONMENTAL COMPLAINT*

No complaints were received during the reporting period.

5.4 *SUMMARY OF ENVIRONMENTAL SUMMONS AND PROSECUTION*

No summons or prosecution on environmental matters were received during the reporting period.

6 FUTURE KEY ISSUES

6.1 KEY ISSUES FOR THE COMING WEEK

There are no key issue identified.

6.2 MONITORING SCHEDULE FOR THE COMING WEEKS

Phase 1 Land Cable Installation and Shore-End Cable Installation was completed in this reporting period on 4 April 2018, and no further water quality impact monitoring is required until jetting works for *Phase 2 Submarine Cable Installation* starts (See *Section 2.1* for tentative schedule).

7 CONCLUSIONS

This Weekly Impact Monitoring Report presents the EM&A work undertaken during the period from 31 March to 4 April 2018 in accordance with the *Annex G* of *the Project Profile* and the requirements under EP-539/2017.

No non-compliance events were recorded during the reporting week due to the Project.

There were daily exceedances of Action and Limit Levels for dissolved oxygen, both bottom layer (on both 3 & 4 April) as well as surface and middle layer (also on both 3 & 4 April). There were exceedances of turbidity recorded on both 3 & 4 April 2018. Exceedance of suspended solids was recorded on 3 April 2018. Results of detailed investigations indicated none of the exceedances recorded were attributed to the Project construction works, as detailed below:

- Exceedance of dissolved oxygen were recorded at all monitoring stations, regardless of the distance from the works area (exceedance recorded at control stations E1 and F1 as well as monitoring stations C2 and C3, which are all far away (over 3 km - See *Figures 2.1* and *2.2*s), while dissolved oxygen saturation level remained high (93% or above). The recorded exceedances were therefore deemed to be due to natural fluctuations;

- High proportion of exceedances of turbidity and suspended solids were recorded at control stations E1 and F1 as well as monitoring stations C2 and C3, which are all far away (over 3 km - See *Figures 2.1* and *2.2*) from the diver hand jetting works. The maximum distance travelled by sediments during cable barge jetting installation is calculated as 180 m (PP-550/2017, Annex A) and small scale diver hand jetting is less powerful meaning sediments would not travel as far. In addition, the small scale diver hand jetting works were all conducted within silt curtain and therefore exceedances recorded at such locations were highly unlikely to be caused by the Project;

- The remaining exceedances of turbidity and suspended solids recorded at monitoring stations close to the diver hand jetting works showed no sign of being related to the Project. These exceedances in general occurred individually (i.e. exceedance not recorded at other monitoring stations which were also close to the diver hand jetting works) or showed other sign(s) which indicated non-Project contribution (e.g. exceedance of SS recorded at monitoring station I3 and G1 while no exceedance recorded at monitoring stations B1 and I4 which were both closer to the Project works in Round 6 on 3 April 2018).

The Contractors were told by the ET that exceedances were occurring and told to take care to ensure all necessary procedures are followed to avoid the Project impacting the water environment.

No complaints and summons/prosecution were received during the reporting week.

The ET will keep track of the EM&A programme to verify compliance of environmental requirements and the proper implementation of all necessary mitigation measures in the remaining works for Phase 2.

Annex A

Certificates of Calibration for in situ Monitoring Instruments

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : AH030201
Date of Issue : 03 April 2018

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Rm 811, Hin Pui House,
Hin Keng Estate, Tai Wai
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment	:	YSI ProDSS (Multi-Parameters)
Manufacturer	:	YSI (a xylem brand)
Serial Number	:	16H104233
Date of Received	:	Mar 27, 2018
Date of Calibration	:	Mar 27, 2018 to Mar 27, 2018
Date of Next Calibration[a]	:	May 27, 2018

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

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

PART D – CALIBRATION RESULTS[b,c]

(1) pH at 25°C

Target (pH unit)	Displayed Reading[d] (pH Unit)	Tolerance[e](pH Unit)	Results
4.00	3.98	-0.02	Satisfactory
7.42	7.39	-0.03	Satisfactory
10.01	9.96	-0.05	Satisfactory

Tolerance of pH should be less than ±0.10 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
16.5	16.3	-0.2	Satisfactory
26.5	26.4	-0.1	Satisfactory
34.0	33.9	-0.1	Satisfactory

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

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

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

APPROVED SIGNATORY: _____
LAM Ho-yee, Emma
Assistant Laboratory Manager

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : AH030201
Date of Issue : 03 April 2018

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.00	0.13	+0.13	Satisfactory
4.39	4.29	-0.10	Satisfactory
5.84	5.74	-0.10	Satisfactory
7.31	7.27	-0.04	Satisfactory

Tolerance limit of dissolved oxygen should be less than ±0.20 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading (μS/cm)	Displayed Reading (μS/cm)	Tolerance (%)	Results
0.001	146.9	150.8	+2.7	Satisfactory
0.01	1412	1442	+2.1	Satisfactory
0.1	12890	12708	-1.4	Satisfactory
0.5	58670	58072	-1.0	Satisfactory
1.0	111900	107309	-4.1	Satisfactory

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

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	10.15	+1.5	Satisfactory
20	20.19	+1.0	Satisfactory
30	30.09	+0.3	Satisfactory

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

(6) Turbidity

Expected Reading (NTU)	Displayed Reading[f] (NTU)	Tolerance[g] (%)	Results
0	0.1	--	--
10	9.5	-5.0	Satisfactory
20	19.4	-3.0	Satisfactory
100	97.2	-2.8	Satisfactory
800	781	-2.4	Satisfactory

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

~ END OF REPORT ~

Remark(s): -

[f] *"Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.*

[g] *The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.*

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : AH030200
Date of Issue : 03 April 2018

PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Rm 811, Hin Pui House,
Hin Keng Estate, Tai Wai
New Territories, Hong Kong
Attn: Mr. Thomas WONG

PART B – DESCRIPTION

Name of Equipment	:	YSI ProDSS (Multi-Parameters)
Manufacturer	:	YSI (a xylem brand)
Serial Number	:	17E100747
Date of Received	:	Mar 27, 2018
Date of Calibration	:	Mar 27, 2018 to Mar 27, 2018
Date of Next Calibration[a]	:	May 27, 2018

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

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

PART D – CALIBRATION RESULTS[b,c]

(1) pH at 25°C

Target (pH unit)	Displayed Reading[d] (pH Unit)	Tolerance[e](pH Unit)	Results
4.00	4.04	+0.04	Satisfactory
7.42	7.44	+0.02	Satisfactory
10.01	10.09	+0.08	Satisfactory

Tolerance of pH should be less than ±0.10 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Displayed Reading (°C)	Tolerance (°C)	Results
16.5	16.3	-0.2	Satisfactory
26.5	26.3	-0.2	Satisfactory
34.0	33.8	-0.2	Satisfactory

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

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

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

APPROVED SIGNATORY: _____
LAM Ho-yee, Emma
Assistant Laboratory Manager

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : AH030200
Date of Issue : 03 April 2018

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	Results
0.00	0.16	+0.16	Satisfactory
4.39	4.31	-0.08	Satisfactory
5.84	5.76	-0.08	Satisfactory
7.31	7.25	-0.06	Satisfactory

Tolerance limit of dissolved oxygen should be less than ±0.20 (mg/L)

(4) Conductivity at 25°C

Conc. of KCl (M)	Expected Reading (μS/cm)	Displayed Reading (μS/cm)	Tolerance (%)	Results
0.001	146.9	151.8	+3.3	Satisfactory
0.01	1412	1398	-1.0	Satisfactory
0.1	12890	12690	-1.6	Satisfactory
0.5	58670	58110	-1.0	Satisfactory
1.0	111900	107658	-3.8	Satisfactory

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

(5) Salinity

Expected Reading (g/L)	Displayed Reading (g/L)	Tolerance (%)	Results
10	10.13	+1.3	Satisfactory
20	20.11	+0.5	Satisfactory
30	30.12	+0.4	Satisfactory

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

(6) Turbidity

Expected Reading (NTU)	Displayed Reading[f] (NTU)	Tolerance[g] (%)	Results
0	0.1	--	--
10	9.8	-2.0	Satisfactory
20	19.7	-1.5	Satisfactory
100	95.7	-4.3	Satisfactory
800	787	-1.6	Satisfactory

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

~ END OF REPORT ~

Remark(s): -

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

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

Annex B

QA/QC Results of Laboratory Testing for Suspended Solids

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group

ANALYICAL CHEMISTRY & TESTING SERVICES

CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	*Laboratory*	: ALS Technichem (HK) Pty Ltd	*Page*	: 1 of 14
Contact	: MR THOMAS WONG	*Contact*	: Richard Fung	*Work Order*	: **HK1823059**
Address	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	*Address*	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Thomas.Wong@eno.com.hk	*E-mail*	: richard.fung@alsglobal.com		
Telephone	: ----	*Telephone*	: +852 2610 1044		
Facsimile	: ----	*Facsimile*	: +852 2610 2021		
Project	: PACIFIC LIGHT CABLE NETWORK (PLCN) - DEEP WATER BAY	*Quote number*	: HKE/1254/2018	*Date received*	: 03-Apr-2018
Order number	: —			*Date of issue*	: 09-Apr-2018
C-O-C number	: —			*No. of samples*	- *Received* : 288
Site	: —				- *Analysed* : 288

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	**General Manager**	**Inorganics**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1823059 supersedes any previous reports with this reference. Testing period is from 03-Apr-2018 to 09-Apr-2018. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific Comments for Work Order HK1823059 :

Sample(s) were received in chilled condition.

Water sample(s) analysed and reported on as received basis.

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: MARINE WATER			Compound	EA025: Suspended Solids (SS)	----	----	----	----
			LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID		EA/ED: Physical and Aggregate Properties	----	----	----	----
E1/R1/21stMar/S	03-Apr-2018	HK1823059-001		2.3	----	----	----	----
E1/R1/21stMar/S Duplicate	03-Apr-2018	HK1823059-002		2.5	----	----	----	----
E1/R1/21stMar/M	03-Apr-2018	HK1823059-003		2.0	----	----	----	----
E1/R1/21stMar/M Duplicate	03-Apr-2018	HK1823059-004		1.8	----	----	----	----
E1/R1/21stMar/B	03-Apr-2018	HK1823059-005		2.3	----	----	----	----
E1/R1/21stMar/B Duplicate	03-Apr-2018	HK1823059-006		2.0	----	----	----	----
G1/R1/21stMar/S	03-Apr-2018	HK1823059-007		2.1	----	----	----	----
G1/R1/21stMar/S Duplicate	03-Apr-2018	HK1823059-008		2.2	----	----	----	----
G1/R1/21stMar/M	03-Apr-2018	HK1823059-009		3.7	----	----	----	----
G1/R1/21stMar/M Duplicate	03-Apr-2018	HK1823059-010		4.1	----	----	----	----
G1/R1/21stMar/B	03-Apr-2018	HK1823059-011		2.9	----	----	----	----
G1/R1/21stMar/B Duplicate	03-Apr-2018	HK1823059-012		2.4	----	----	----	----
I3/R1/21stMar/S	03-Apr-2018	HK1823059-013		2.5	----	----	----	----
I3/R1/21stMar/S Duplicate	03-Apr-2018	HK1823059-014		2.3	----	----	----	----
I3/R1/21stMar/M	03-Apr-2018	HK1823059-015		2.2	----	----	----	----
I3/R1/21stMar/M Duplicate	03-Apr-2018	HK1823059-016		2.7	----	----	----	----
I3/R1/21stMar/B	03-Apr-2018	HK1823059-017		2.7	----	----	----	----
I3/R1/21stMar/B Duplicate	03-Apr-2018	HK1823059-018		2.9	----	----	----	----
I4/R1/21stMar/S	03-Apr-2018	HK1823059-019		1.4	----	----	----	----
I4/R1/21stMar/S Duplicate	03-Apr-2018	HK1823059-020		1.5	----	----	----	----
I4/R1/21stMar/M	03-Apr-2018	HK1823059-021		4.5	----	----	----	----
I4/R1/21stMar/M Duplicate	03-Apr-2018	HK1823059-022		5.4	----	----	----	----
I4/R1/21stMar/B	03-Apr-2018	HK1823059-023		4.2	----	----	----	----
I4/R1/21stMar/B Duplicate	03-Apr-2018	HK1823059-024		3.8	----	----	----	----
B1/R1/21stMar/S	03-Apr-2018	HK1823059-025		2.3	----	----	----	----
B1/R1/21stMar/S Duplicate	03-Apr-2018	HK1823059-026		2.4	----	----	----	----
B1/R1/21stMar/M	03-Apr-2018	HK1823059-027		2.4	----	----	----	----
B1/R1/21stMar/M Duplicate	03-Apr-2018	HK1823059-028		3.4	----	----	----	----
B1/R1/21stMar/B	03-Apr-2018	HK1823059-029		3.1	----	----	----	----
B1/R1/21stMar/B Duplicate	03-Apr-2018	HK1823059-030		4.3	----	----	----	----
F1/R1/21stMar/S	03-Apr-2018	HK1823059-031		4.0	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
F1/R1/21stMar/S Duplicate	03-Apr-2018	HK1823059-032	3.9	----	----	----	----
F1/R1/21stMar/M	03-Apr-2018	HK1823059-033	5.3	----	----	----	----
F1/R1/21stMar/M Duplicate	03-Apr-2018	HK1823059-034	3.9	----	----	----	----
F1/R1/21stMar/B	03-Apr-2018	HK1823059-035	4.3	----	----	----	----
F1/R1/21stMar/B Duplicate	03-Apr-2018	HK1823059-036	5.8	----	----	----	----
C2/R1/21stMar/S	03-Apr-2018	HK1823059-037	5.0	----	----	----	----
C2/R1/21stMar/S Duplicate	03-Apr-2018	HK1823059-038	4.1	----	----	----	----
C2/R1/21stMar/M	03-Apr-2018	HK1823059-039	5.8	----	----	----	----
C2/R1/21stMar/M Duplicate	03-Apr-2018	HK1823059-040	4.9	----	----	----	----
C2/R1/21stMar/B	03-Apr-2018	HK1823059-041	9.1	----	----	----	----
C2/R1/21stMar/B Duplicate	03-Apr-2018	HK1823059-042	10.9	----	----	----	----
C3/R1/21stMar/S	03-Apr-2018	HK1823059-043	2.7	----	----	----	----
C3/R1/21stMar/S Duplicate	03-Apr-2018	HK1823059-044	4.2	----	----	----	----
C3/R1/21stMar/M	03-Apr-2018	HK1823059-045	6.1	----	----	----	----
C3/R1/21stMar/M Duplicate	03-Apr-2018	HK1823059-046	5.1	----	----	----	----
C3/R1/21stMar/B	03-Apr-2018	HK1823059-047	5.7	----	----	----	----
C3/R1/21stMar/B Duplicate	03-Apr-2018	HK1823059-048	6.6	----	----	----	----
E1/R2/21stMar/S	03-Apr-2018	HK1823059-049	4.6	----	----	----	----
E1/R2/21stMar/S Duplicate	03-Apr-2018	HK1823059-050	5.4	----	----	----	----
E1/R2/21stMar/M	03-Apr-2018	HK1823059-051	7.0	----	----	----	----
E1/R2/21stMar/M Duplicate	03-Apr-2018	HK1823059-052	5.2	----	----	----	----
E1/R2/21stMar/B	03-Apr-2018	HK1823059-053	4.9	----	----	----	----
E1/R2/21stMar/B Duplicate	03-Apr-2018	HK1823059-054	5.6	----	----	----	----
G1/R2/21stMar/S	03-Apr-2018	HK1823059-055	2.4	----	----	----	----
G1/R2/21stMar/S Duplicate	03-Apr-2018	HK1823059-056	0.9	----	----	----	----
G1/R2/21stMar/M	03-Apr-2018	HK1823059-057	<0.5	----	----	----	----
G1/R2/21stMar/M Duplicate	03-Apr-2018	HK1823059-058	<0.5	----	----	----	----
G1/R2/21stMar/B	03-Apr-2018	HK1823059-059	1.5	----	----	----	----
G1/R2/21stMar/B Duplicate	03-Apr-2018	HK1823059-060	1.3	----	----	----	----
I3/R2/21stMar/S	03-Apr-2018	HK1823059-061	1.0	----	----	----	----
I3/R2/21stMar/S Duplicate	03-Apr-2018	HK1823059-062	1.0	----	----	----	----
I3/R2/21stMar/M	03-Apr-2018	HK1823059-063	2.9	----	----	----	----
I3/R2/21stMar/M Duplicate	03-Apr-2018	HK1823059-064	2.7	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
I3/R2/21stMar/B	03-Apr-2018	HK1823059-065	3.9	----	----	----	----
I3/R2/21stMar/B Duplicate	03-Apr-2018	HK1823059-066	3.7	----	----	----	----
I4/R2/21stMar/S	03-Apr-2018	HK1823059-067	2.9	----	----	----	----
I4/R2/21stMar/S Duplicate	03-Apr-2018	HK1823059-068	2.7	----	----	----	----
I4/R2/21stMar/M	03-Apr-2018	HK1823059-069	4.0	----	----	----	----
I4/R2/21stMar/M Duplicate	03-Apr-2018	HK1823059-070	3.4	----	----	----	----
I4/R2/21stMar/B	03-Apr-2018	HK1823059-071	3.4	----	----	----	----
I4/R2/21stMar/B Duplicate	03-Apr-2018	HK1823059-072	3.0	----	----	----	----
B1/R2/21stMar/S	03-Apr-2018	HK1823059-073	1.0	----	----	----	----
B1/R2/21stMar/S Duplicate	03-Apr-2018	HK1823059-074	1.3	----	----	----	----
B1/R2/21stMar/M	03-Apr-2018	HK1823059-075	2.9	----	----	----	----
B1/R2/21stMar/M Duplicate	03-Apr-2018	HK1823059-076	2.8	----	----	----	----
B1/R2/21stMar/B	03-Apr-2018	HK1823059-077	8.1	----	----	----	----
B1/R2/21stMar/B Duplicate	03-Apr-2018	HK1823059-078	9.9	----	----	----	----
F1/R2/21stMar/S	03-Apr-2018	HK1823059-079	2.4	----	----	----	----
F1/R2/21stMar/S Duplicate	03-Apr-2018	HK1823059-080	1.6	----	----	----	----
F1/R2/21stMar/M	03-Apr-2018	HK1823059-081	3.5	----	----	----	----
F1/R2/21stMar/M Duplicate	03-Apr-2018	HK1823059-082	3.8	----	----	----	----
F1/R2/21stMar/B	03-Apr-2018	HK1823059-083	8.5	----	----	----	----
F1/R2/21stMar/B Duplicate	03-Apr-2018	HK1823059-084	8.4	----	----	----	----
C2/R2/21stMar/S	03-Apr-2018	HK1823059-085	4.0	----	----	----	----
C2/R2/21stMar/S Duplicate	03-Apr-2018	HK1823059-086	4.0	----	----	----	----
C2/R2/21stMar/M	03-Apr-2018	HK1823059-087	2.8	----	----	----	----
C2/R2/21stMar/M Duplicate	03-Apr-2018	HK1823059-088	2.9	----	----	----	----
C2/R2/21stMar/B	03-Apr-2018	HK1823059-089	2.6	----	----	----	----
C2/R2/21stMar/B Duplicate	03-Apr-2018	HK1823059-090	4.2	----	----	----	----
C3/R2/21stMar/S	03-Apr-2018	HK1823059-091	2.6	----	----	----	----
C3/R2/21stMar/S Duplicate	03-Apr-2018	HK1823059-092	2.2	----	----	----	----
C3/R2/21stMar/M	03-Apr-2018	HK1823059-093	3.2	----	----	----	----
C3/R2/21stMar/M Duplicate	03-Apr-2018	HK1823059-094	2.7	----	----	----	----
C3/R2/21stMar/B	03-Apr-2018	HK1823059-095	2.9	----	----	----	----
C3/R2/21stMar/B Duplicate	03-Apr-2018	HK1823059-096	2.7	----	----	----	----
E1/R3/21stMar/S	03-Apr-2018	HK1823059-097	0.6	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
E1/R3/21stMar/S Duplicate	03-Apr-2018	HK1823059-098	0.7	----	----	----	----
E1/R3/21stMar/M	03-Apr-2018	HK1823059-099	1.7	----	----	----	----
E1/R3/21stMar/M Duplicate	03-Apr-2018	HK1823059-100	2.3	----	----	----	----
E1/R3/21stMar/B	03-Apr-2018	HK1823059-101	1.5	----	----	----	----
E1/R3/21stMar/B Duplicate	03-Apr-2018	HK1823059-102	1.6	----	----	----	----
G1/R3/21stMar/S	03-Apr-2018	HK1823059-103	2.7	----	----	----	----
G1/R3/21stMar/S Duplicate	03-Apr-2018	HK1823059-104	4.1	----	----	----	----
G1/R3/21stMar/M	03-Apr-2018	HK1823059-105	2.1	----	----	----	----
G1/R3/21stMar/M Duplicate	03-Apr-2018	HK1823059-106	2.9	----	----	----	----
G1/R3/21stMar/B	03-Apr-2018	HK1823059-107	3.6	----	----	----	----
G1/R3/21stMar/B Duplicate	03-Apr-2018	HK1823059-108	3.7	----	----	----	----
I3/R3/21stMar/S	03-Apr-2018	HK1823059-109	0.8	----	----	----	----
I3/R3/21stMar/S Duplicate	03-Apr-2018	HK1823059-110	1.3	----	----	----	----
I3/R3/21stMar/M	03-Apr-2018	HK1823059-111	2.0	----	----	----	----
I3/R3/21stMar/M Duplicate	03-Apr-2018	HK1823059-112	2.9	----	----	----	----
I3/R3/21stMar/B	03-Apr-2018	HK1823059-113	2.4	----	----	----	----
I3/R3/21stMar/B Duplicate	03-Apr-2018	HK1823059-114	4.4	----	----	----	----
I4/R3/21stMar/S	03-Apr-2018	HK1823059-115	2.8	----	----	----	----
I4/R3/21stMar/S Duplicate	03-Apr-2018	HK1823059-116	2.4	----	----	----	----
I4/R3/21stMar/M	03-Apr-2018	HK1823059-117	2.3	----	----	----	----
I4/R3/21stMar/M Duplicate	03-Apr-2018	HK1823059-118	2.1	----	----	----	----
I4/R3/21stMar/B	03-Apr-2018	HK1823059-119	2.6	----	----	----	----
I4/R3/21stMar/B Duplicate	03-Apr-2018	HK1823059-120	2.7	----	----	----	----
B1/R3/21stMar/S	03-Apr-2018	HK1823059-121	2.2	----	----	----	----
B1/R3/21stMar/S Duplicate	03-Apr-2018	HK1823059-122	2.5	----	----	----	----
B1/R3/21stMar/M	03-Apr-2018	HK1823059-123	3.5	----	----	----	----
B1/R3/21stMar/M Duplicate	03-Apr-2018	HK1823059-124	3.0	----	----	----	----
B1/R3/21stMar/B	03-Apr-2018	HK1823059-125	2.7	----	----	----	----
B1/R3/21stMar/B Duplicate	03-Apr-2018	HK1823059-126	2.7	----	----	----	----
F1/R3/21stMar/S	03-Apr-2018	HK1823059-127	3.0	----	----	----	----
F1/R3/21stMar/S Duplicate	03-Apr-2018	HK1823059-128	4.6	----	----	----	----
F1/R3/21stMar/M	03-Apr-2018	HK1823059-129	4.2	----	----	----	----
F1/R3/21stMar/M Duplicate	03-Apr-2018	HK1823059-130	3.2	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
F1/R3/21stMar/B	03-Apr-2018	HK1823059-131	4.3	----	----	----	----
F1/R3/21stMar/B Duplicate	03-Apr-2018	HK1823059-132	4.9	----	----	----	----
C2/R3/21stMar/S	03-Apr-2018	HK1823059-133	4.0	----	----	----	----
C2/R3/21stMar/S Duplicate	03-Apr-2018	HK1823059-134	3.2	----	----	----	----
C2/R3/21stMar/M	03-Apr-2018	HK1823059-135	3.2	----	----	----	----
C2/R3/21stMar/M Duplicate	03-Apr-2018	HK1823059-136	2.7	----	----	----	----
C2/R3/21stMar/B	03-Apr-2018	HK1823059-137	7.0	----	----	----	----
C2/R3/21stMar/B Duplicate	03-Apr-2018	HK1823059-138	5.0	----	----	----	----
C3/R3/21stMar/S	03-Apr-2018	HK1823059-139	1.9	----	----	----	----
C3/R3/21stMar/S Duplicate	03-Apr-2018	HK1823059-140	1.5	----	----	----	----
C3/R3/21stMar/M	03-Apr-2018	HK1823059-141	3.0	----	----	----	----
C3/R3/21stMar/M Duplicate	03-Apr-2018	HK1823059-142	2.7	----	----	----	----
C3/R3/21stMar/B	03-Apr-2018	HK1823059-143	3.7	----	----	----	----
C3/R3/21stMar/B Duplicate	03-Apr-2018	HK1823059-144	3.6	----	----	----	----
E1/R4/21stMar/S	03-Apr-2018	HK1823059-145	4.2	----	----	----	----
E1/R4/21stMar/S Duplicate	03-Apr-2018	HK1823059-146	4.0	----	----	----	----
E1/R4/21stMar/M	03-Apr-2018	HK1823059-147	4.5	----	----	----	----
E1/R4/21stMar/M Duplicate	03-Apr-2018	HK1823059-148	3.2	----	----	----	----
E1/R4/21stMar/B	03-Apr-2018	HK1823059-149	3.7	----	----	----	----
E1/R4/21stMar/B Duplicate	03-Apr-2018	HK1823059-150	3.3	----	----	----	----
G1/R4/21stMar/S	03-Apr-2018	HK1823059-151	4.0	----	----	----	----
G1/R4/21stMar/S Duplicate	03-Apr-2018	HK1823059-152	4.2	----	----	----	----
G1/R4/21stMar/M	03-Apr-2018	HK1823059-153	2.3	----	----	----	----
G1/R4/21stMar/M Duplicate	03-Apr-2018	HK1823059-154	3.0	----	----	----	----
G1/R4/21stMar/B	03-Apr-2018	HK1823059-155	2.1	----	----	----	----
G1/R4/21stMar/B Duplicate	03-Apr-2018	HK1823059-156	3.8	----	----	----	----
I3/R4/21stMar/S	03-Apr-2018	HK1823059-157	1.3	----	----	----	----
I3/R4/21stMar/S Duplicate	03-Apr-2018	HK1823059-158	1.5	----	----	----	----
I3/R4/21stMar/M	03-Apr-2018	HK1823059-159	1.6	----	----	----	----
I3/R4/21stMar/M Duplicate	03-Apr-2018	HK1823059-160	1.4	----	----	----	----
I3/R4/21stMar/B	03-Apr-2018	HK1823059-161	2.6	----	----	----	----
I3/R4/21stMar/B Duplicate	03-Apr-2018	HK1823059-162	2.2	----	----	----	----
I4/R4/21stMar/S	03-Apr-2018	HK1823059-163	1.8	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
I4/R4/21stMar/S Duplicate	03-Apr-2018	HK1823059-164	1.5	----	----	----	----
I4/R4/21stMar/M	03-Apr-2018	HK1823059-165	2.1	----	----	----	----
I4/R4/21stMar/M Duplicate	03-Apr-2018	HK1823059-166	2.9	----	----	----	----
I4/R4/21stMar/B	03-Apr-2018	HK1823059-167	2.7	----	----	----	----
I4/R4/21stMar/B Duplicate	03-Apr-2018	HK1823059-168	2.7	----	----	----	----
B1/R4/21stMar/S	03-Apr-2018	HK1823059-169	2.5	----	----	----	----
B1/R4/21stMar/S Duplicate	03-Apr-2018	HK1823059-170	2.8	----	----	----	----
B1/R4/21stMar/M	03-Apr-2018	HK1823059-171	3.8	----	----	----	----
B1/R4/21stMar/M Duplicate	03-Apr-2018	HK1823059-172	3.1	----	----	----	----
B1/R4/21stMar/B	03-Apr-2018	HK1823059-173	5.8	----	----	----	----
B1/R4/21stMar/B Duplicate	03-Apr-2018	HK1823059-174	6.4	----	----	----	----
F1/R4/21stMar/S	03-Apr-2018	HK1823059-175	3.0	----	----	----	----
F1/R4/21stMar/S Duplicate	03-Apr-2018	HK1823059-176	2.3	----	----	----	----
F1/R4/21stMar/M	03-Apr-2018	HK1823059-177	2.1	----	----	----	----
F1/R4/21stMar/M Duplicate	03-Apr-2018	HK1823059-178	2.1	----	----	----	----
F1/R4/21stMar/B	03-Apr-2018	HK1823059-179	5.0	----	----	----	----
F1/R4/21stMar/B Duplicate	03-Apr-2018	HK1823059-180	7.6	----	----	----	----
C2/R4/21stMar/S	03-Apr-2018	HK1823059-181	2.2	----	----	----	----
C2/R4/21stMar/S Duplicate	03-Apr-2018	HK1823059-182	3.1	----	----	----	----
C2/R4/21stMar/M	03-Apr-2018	HK1823059-183	2.2	----	----	----	----
C2/R4/21stMar/M Duplicate	03-Apr-2018	HK1823059-184	2.7	----	----	----	----
C2/R4/21stMar/B	03-Apr-2018	HK1823059-185	2.8	----	----	----	----
C2/R4/21stMar/B Duplicate	03-Apr-2018	HK1823059-186	2.3	----	----	----	----
C3/R4/21stMar/S	03-Apr-2018	HK1823059-187	<0.5	----	----	----	----
C3/R4/21stMar/S Duplicate	03-Apr-2018	HK1823059-188	1.3	----	----	----	----
C3/R4/21stMar/M	03-Apr-2018	HK1823059-189	3.7	----	----	----	----
C3/R4/21stMar/M Duplicate	03-Apr-2018	HK1823059-190	3.3	----	----	----	----
C3/R4/21stMar/B	03-Apr-2018	HK1823059-191	4.1	----	----	----	----
C3/R4/21stMar/B Duplicate	03-Apr-2018	HK1823059-192	5.1	----	----	----	----
E1/R5/21stMar/S	03-Apr-2018	HK1823059-193	1.2	----	----	----	----
E1/R5/21stMar/S Duplicate	03-Apr-2018	HK1823059-194	0.8	----	----	----	----
E1/R5/21stMar/M	03-Apr-2018	HK1823059-195	1.5	----	----	----	----
E1/R5/21stMar/M Duplicate	03-Apr-2018	HK1823059-196	<0.5	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
E1/R5/21stMar/B	03-Apr-2018	HK1823059-197	2.3	----	----	----	----
E1/R5/21stMar/B Duplicate	03-Apr-2018	HK1823059-198	3.5	----	----	----	----
G1/R5/21stMar/S	03-Apr-2018	HK1823059-199	2.1	----	----	----	----
G1/R5/21stMar/S Duplicate	03-Apr-2018	HK1823059-200	2.3	----	----	----	----
G1/R5/21stMar/M	03-Apr-2018	HK1823059-201	2.4	----	----	----	----
G1/R5/21stMar/M Duplicate	03-Apr-2018	HK1823059-202	2.3	----	----	----	----
G1/R5/21stMar/B	03-Apr-2018	HK1823059-203	8.4	----	----	----	----
G1/R5/21stMar/B Duplicate	03-Apr-2018	HK1823059-204	8.7	----	----	----	----
I3/R5/21stMar/S	03-Apr-2018	HK1823059-205	2.3	----	----	----	----
I3/R5/21stMar/S Duplicate	03-Apr-2018	HK1823059-206	3.1	----	----	----	----
I3/R5/21stMar/M	03-Apr-2018	HK1823059-207	3.3	----	----	----	----
I3/R5/21stMar/M Duplicate	03-Apr-2018	HK1823059-208	2.4	----	----	----	----
I3/R5/21stMar/B	03-Apr-2018	HK1823059-209	3.3	----	----	----	----
I3/R5/21stMar/B Duplicate	03-Apr-2018	HK1823059-210	4.9	----	----	----	----
I4/R5/21stMar/S	03-Apr-2018	HK1823059-211	3.2	----	----	----	----
I4/R5/21stMar/S Duplicate	03-Apr-2018	HK1823059-212	2.0	----	----	----	----
I4/R5/21stMar/M	03-Apr-2018	HK1823059-213	2.3	----	----	----	----
I4/R5/21stMar/M Duplicate	03-Apr-2018	HK1823059-214	2.2	----	----	----	----
I4/R5/21stMar/B	03-Apr-2018	HK1823059-215	2.4	----	----	----	----
I4/R5/21stMar/B Duplicate	03-Apr-2018	HK1823059-216	3.5	----	----	----	----
B1/R5/21stMar/S	03-Apr-2018	HK1823059-217	2.6	----	----	----	----
B1/R5/21stMar/S Duplicate	03-Apr-2018	HK1823059-218	3.2	----	----	----	----
B1/R5/21stMar/M	03-Apr-2018	HK1823059-219	2.6	----	----	----	----
B1/R5/21stMar/M Duplicate	03-Apr-2018	HK1823059-220	3.4	----	----	----	----
B1/R5/21stMar/B	03-Apr-2018	HK1823059-221	2.6	----	----	----	----
B1/R5/21stMar/B Duplicate	03-Apr-2018	HK1823059-222	3.3	----	----	----	----
F1/R5/21stMar/S	03-Apr-2018	HK1823059-223	2.2	----	----	----	----
F1/R5/21stMar/S Duplicate	03-Apr-2018	HK1823059-224	3.2	----	----	----	----
F1/R5/21stMar/M	03-Apr-2018	HK1823059-225	6.2	----	----	----	----
F1/R5/21stMar/M Duplicate	03-Apr-2018	HK1823059-226	5.3	----	----	----	----
F1/R5/21stMar/B	03-Apr-2018	HK1823059-227	5.7	----	----	----	----
F1/R5/21stMar/B Duplicate	03-Apr-2018	HK1823059-228	4.5	----	----	----	----
C2/R5/21stMar/S	03-Apr-2018	HK1823059-229	9.1	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
C2/R5/21stMar/S Duplicate	03-Apr-2018	HK1823059-230	10.5	----	----	----	----
C2/R5/21stMar/M	03-Apr-2018	HK1823059-231	8.8	----	----	----	----
C2/R5/21stMar/M Duplicate	03-Apr-2018	HK1823059-232	8.6	----	----	----	----
C2/R5/21stMar/B	03-Apr-2018	HK1823059-233	10.0	----	----	----	----
C2/R5/21stMar/B Duplicate	03-Apr-2018	HK1823059-234	11.4	----	----	----	----
C3/R5/21stMar/S	03-Apr-2018	HK1823059-235	6.2	----	----	----	----
C3/R5/21stMar/S Duplicate	03-Apr-2018	HK1823059-236	5.1	----	----	----	----
C3/R5/21stMar/M	03-Apr-2018	HK1823059-237	7.1	----	----	----	----
C3/R5/21stMar/M Duplicate	03-Apr-2018	HK1823059-238	4.8	----	----	----	----
C3/R5/21stMar/B	03-Apr-2018	HK1823059-239	10.6	----	----	----	----
C3/R5/21stMar/B Duplicate	03-Apr-2018	HK1823059-240	11.5	----	----	----	----
E1/R6/21stMar/S	03-Apr-2018	HK1823059-241	5.7	----	----	----	----
E1/R6/21stMar/S Duplicate	03-Apr-2018	HK1823059-242	6.5	----	----	----	----
E1/R6/21stMar/M	03-Apr-2018	HK1823059-243	5.1	----	----	----	----
E1/R6/21stMar/M Duplicate	03-Apr-2018	HK1823059-244	6.9	----	----	----	----
E1/R6/21stMar/B	03-Apr-2018	HK1823059-245	8.8	----	----	----	----
E1/R6/21stMar/B Duplicate	03-Apr-2018	HK1823059-246	7.6	----	----	----	----
G1/R6/21stMar/S	03-Apr-2018	HK1823059-247	6.4	----	----	----	----
G1/R6/21stMar/S Duplicate	03-Apr-2018	HK1823059-248	6.0	----	----	----	----
G1/R6/21stMar/M	03-Apr-2018	HK1823059-249	5.3	----	----	----	----
G1/R6/21stMar/M Duplicate	03-Apr-2018	HK1823059-250	6.0	----	----	----	----
G1/R6/21stMar/B	03-Apr-2018	HK1823059-251	10.7	----	----	----	----
G1/R6/21stMar/B Duplicate	03-Apr-2018	HK1823059-252	10.7	----	----	----	----
I3/R6/21stMar/S	03-Apr-2018	HK1823059-253	8.7	----	----	----	----
I3/R6/21stMar/S Duplicate	03-Apr-2018	HK1823059-254	10.0	----	----	----	----
I3/R6/21stMar/M	03-Apr-2018	HK1823059-255	8.2	----	----	----	----
I3/R6/21stMar/M Duplicate	03-Apr-2018	HK1823059-256	9.1	----	----	----	----
I3/R6/21stMar/B	03-Apr-2018	HK1823059-257	13.1	----	----	----	----
I3/R6/21stMar/B Duplicate	03-Apr-2018	HK1823059-258	12.6	----	----	----	----
I4/R6/21stMar/S	03-Apr-2018	HK1823059-259	3.7	----	----	----	----
I4/R6/21stMar/S Duplicate	03-Apr-2018	HK1823059-260	4.7	----	----	----	----
I4/R6/21stMar/M	03-Apr-2018	HK1823059-261	4.8	----	----	----	----
I4/R6/21stMar/M Duplicate	03-Apr-2018	HK1823059-262	4.8	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
I4/R6/21stMar/B	03-Apr-2018	HK1823059-263	5.5	----	----	----	----
I4/R6/21stMar/B Duplicate	03-Apr-2018	HK1823059-264	7.0	----	----	----	----
B1/R6/21stMar/S	03-Apr-2018	HK1823059-265	5.9	----	----	----	----
B1/R6/21stMar/S Duplicate	03-Apr-2018	HK1823059-266	6.5	----	----	----	----
B1/R6/21stMar/M	03-Apr-2018	HK1823059-267	7.1	----	----	----	----
B1/R6/21stMar/M Duplicate	03-Apr-2018	HK1823059-268	5.7	----	----	----	----
B1/R6/21stMar/B	03-Apr-2018	HK1823059-269	6.1	----	----	----	----
B1/R6/21stMar/B Duplicate	03-Apr-2018	HK1823059-270	6.2	----	----	----	----
F1/R6/21stMar/S	03-Apr-2018	HK1823059-271	6.4	----	----	----	----
F1/R6/21stMar/S Duplicate	03-Apr-2018	HK1823059-272	6.0	----	----	----	----
F1/R6/21stMar/M	03-Apr-2018	HK1823059-273	6.0	----	----	----	----
F1/R6/21stMar/M Duplicate	03-Apr-2018	HK1823059-274	5.7	----	----	----	----
F1/R6/21stMar/B	03-Apr-2018	HK1823059-275	4.7	----	----	----	----
F1/R6/21stMar/B Duplicate	03-Apr-2018	HK1823059-276	4.9	----	----	----	----
C2/R6/21stMar/S	03-Apr-2018	HK1823059-277	5.8	----	----	----	----
C2/R6/21stMar/S Duplicate	03-Apr-2018	HK1823059-278	5.7	----	----	----	----
C2/R6/21stMar/M	03-Apr-2018	HK1823059-279	4.5	----	----	----	----
C2/R6/21stMar/M Duplicate	03-Apr-2018	HK1823059-280	4.7	----	----	----	----
C2/R6/21stMar/B	03-Apr-2018	HK1823059-281	5.5	----	----	----	----
C2/R6/21stMar/B Duplicate	03-Apr-2018	HK1823059-282	4.9	----	----	----	----
C3/R6/21stMar/S	03-Apr-2018	HK1823059-283	2.3	----	----	----	----
C3/R6/21stMar/S Duplicate	03-Apr-2018	HK1823059-284	2.1	----	----	----	----
C3/R6/21stMar/M	03-Apr-2018	HK1823059-285	2.0	----	----	----	----
C3/R6/21stMar/M Duplicate	03-Apr-2018	HK1823059-286	2.4	----	----	----	----
C3/R6/21stMar/B	03-Apr-2018	HK1823059-287	2.9	----	----	----	----
C3/R6/21stMar/B Duplicate	03-Apr-2018	HK1823059-288	2.1	----	----	----	----

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1548335)								
HK1823059-001	E1/R1/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.3	2.1	7.91
HK1823059-011	G1/R1/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.9	3.3	11.3
EA/ED: Physical and Aggregate Properties (QC Lot: 1548336)								
HK1823059-021	I4/R1/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.5	4.6	0.00
HK1823059-031	F1/R1/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.0	3.6	10.5
EA/ED: Physical and Aggregate Properties (QC Lot: 1548337)								
HK1823059-041	C2/R1/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	9.1	9.5	4.30
HK1823059-051	E1/R2/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	7.0	7.4	6.27
EA/ED: Physical and Aggregate Properties (QC Lot: 1548338)								
HK1823059-061	I3/R2/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.0	0.7	36.4
HK1823059-071	I4/R2/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.4	3.8	13.9
EA/ED: Physical and Aggregate Properties (QC Lot: 1548339)								
HK1823059-081	F1/R2/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.5	3.8	7.51
HK1823059-091	C3/R2/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.6	3.2	23.4
EA/ED: Physical and Aggregate Properties (QC Lot: 1548340)								
HK1823059-101	E1/R3/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.5	1.5	0.00
HK1823059-111	I3/R3/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.0	2.1	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 1548341)								
HK1823059-121	B1/R3/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.2	2.4	8.89
HK1823059-131	F1/R3/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.3	3.1	31.1
EA/ED: Physical and Aggregate Properties (QC Lot: 1548342)								
HK1823059-141	C3/R3/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.0	3.4	10.1
HK1823059-151	G1/R4/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.0	4.4	9.41
EA/ED: Physical and Aggregate Properties (QC Lot: 1548343)								
HK1823059-161	I3/R4/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.6	2.9	9.01
HK1823059-171	B1/R4/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.8	3.2	15.7
EA/ED: Physical and Aggregate Properties (QC Lot: 1548344)								
HK1823059-181	C2/R4/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.2	2.1	4.70
HK1823059-191	C3/R4/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.1	3.5	15.7
EA/ED: Physical and Aggregate Properties (QC Lot: 1548345)								
HK1823059-201	G1/R5/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.4	2.4	0.00
HK1823059-211	I4/R5/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.2	4.0	22.8
EA/ED: Physical and Aggregate Properties (QC Lot: 1548346)								
HK1823059-221	B1/R5/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.6	2.8	7.27
HK1823059-231	C2/R5/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	8.8	9.3	6.08

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1548347)								
HK1823059-241	E1/R6/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	5.7	5.6	3.10
HK1823059-251	G1/R6/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	10.7	10.0	6.03
EA/ED: Physical and Aggregate Properties (QC Lot: 1548348)								
HK1823059-261	I4/R6/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.8	5.4	11.3
HK1823059-271	F1/R6/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	6.4	6.0	5.25
EA/ED: Physical and Aggregate Properties (QC Lot: 1548349)								
HK1823059-281	C2/R6/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	5.5	5.2	5.58

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report LOR	Unit	Result	Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report Spike Concentration	Spike Recovery (%) LCS	DCS	Recovery Limits (%) Low	High	RPDs (%) Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1548335)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	110	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548336)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	112	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548337)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	91.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548338)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	89.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548339)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	100	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548340)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	101	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548341)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	111	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548342)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	108	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548343)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	89.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548344)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	88.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548345)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	90.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548346)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	90.5	----	85	115	----	----

Matrix: **WATER**

		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1548347)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	94.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548348)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	97.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1548349)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	96.0	----	85	115	----	----

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

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

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group

ANALYICAL CHEMISTRY & TESTING SERVICES

CERTIFICATE OF ANALYSIS

Client	: ENOVATIVE ENVIRONMENTAL SERVICE LTD	*Laboratory*	: ALS Technichem (HK) Pty Ltd	*Page*	: 1 of 14
Contact	: MR THOMAS WONG	*Contact*	: Richard Fung	*Work Order*	: **HK1823063**
Address	: FLAT 2207, YU FUN HSE, YU CHUI COURT, SHATIN, N.T. HONG KONG	*Address*	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Thomas.Wong@eno.com.hk	*E-mail*	: richard.fung@alsglobal.com		
Telephone	: ----	*Telephone*	: +852 2610 1044		
Facsimile	: ----	*Facsimile*	: +852 2610 2021		
Project	: PACIFIC LIGHT CABLE NETWORK (PLCN) - DEEP WATER BAY	*Quote number*	: HKE/1254/2018	*Date received*	: 04-Apr-2018
Order number	: —			*Date of issue*	: 10-Apr-2018
C-O-C number	: —			*No. of samples*	- *Received* : 288
Site	: —				- *Analysed* : 288

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	**General Manager**	**Inorganics**

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1823063 supersedes any previous reports with this reference. Testing period is from 04-Apr-2018 to 10-Apr-2018. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific Comments for Work Order HK1823063 :

Sample(s) were received in chilled condition.

Water sample(s) analysed and reported on as received basis.

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: MARINE WATER			Compound	EA025: Suspended Solids (SS)	----	----	----	----
			LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID		EA/ED: Physical and Aggregate Properties	----	----	----	----
E1/R1/21stMar/S	04-Apr-2018	HK1823063-001		2.8	----	----	----	----
E1/R1/21stMar/S Duplicate	04-Apr-2018	HK1823063-002		2.6	----	----	----	----
E1/R1/21stMar/M	04-Apr-2018	HK1823063-003		2.3	----	----	----	----
E1/R1/21stMar/M Duplicate	04-Apr-2018	HK1823063-004		2.4	----	----	----	----
E1/R1/21stMar/B	04-Apr-2018	HK1823063-005		2.8	----	----	----	----
E1/R1/21stMar/B Duplicate	04-Apr-2018	HK1823063-006		3.2	----	----	----	----
G1/R1/21stMar/S	04-Apr-2018	HK1823063-007		1.1	----	----	----	----
G1/R1/21stMar/S Duplicate	04-Apr-2018	HK1823063-008		1.5	----	----	----	----
G1/R1/21stMar/M	04-Apr-2018	HK1823063-009		2.2	----	----	----	----
G1/R1/21stMar/M Duplicate	04-Apr-2018	HK1823063-010		2.2	----	----	----	----
G1/R1/21stMar/B	04-Apr-2018	HK1823063-011		2.3	----	----	----	----
G1/R1/21stMar/B Duplicate	04-Apr-2018	HK1823063-012		2.3	----	----	----	----
I3/R1/21stMar/S	04-Apr-2018	HK1823063-013		1.6	----	----	----	----
I3/R1/21stMar/S Duplicate	04-Apr-2018	HK1823063-014		1.5	----	----	----	----
I3/R1/21stMar/M	04-Apr-2018	HK1823063-015		2.2	----	----	----	----
I3/R1/21stMar/M Duplicate	04-Apr-2018	HK1823063-016		2.3	----	----	----	----
I3/R1/21stMar/B	04-Apr-2018	HK1823063-017		2.7	----	----	----	----
I3/R1/21stMar/B Duplicate	04-Apr-2018	HK1823063-018		3.2	----	----	----	----
I4/R1/21stMar/S	04-Apr-2018	HK1823063-019		2.1	----	----	----	----
I4/R1/21stMar/S Duplicate	04-Apr-2018	HK1823063-020		2.2	----	----	----	----
I4/R1/21stMar/M	04-Apr-2018	HK1823063-021		3.3	----	----	----	----
I4/R1/21stMar/M Duplicate	04-Apr-2018	HK1823063-022		4.7	----	----	----	----
I4/R1/21stMar/B	04-Apr-2018	HK1823063-023		3.2	----	----	----	----
I4/R1/21stMar/B Duplicate	04-Apr-2018	HK1823063-024		3.5	----	----	----	----
B1/R1/21stMar/S	04-Apr-2018	HK1823063-025		3.2	----	----	----	----
B1/R1/21stMar/S Duplicate	04-Apr-2018	HK1823063-026		2.4	----	----	----	----
B1/R1/21stMar/M	04-Apr-2018	HK1823063-027		2.2	----	----	----	----
B1/R1/21stMar/M Duplicate	04-Apr-2018	HK1823063-028		3.3	----	----	----	----
B1/R1/21stMar/B	04-Apr-2018	HK1823063-029		3.4	----	----	----	----
B1/R1/21stMar/B Duplicate	04-Apr-2018	HK1823063-030		2.3	----	----	----	----
F1/R1/21stMar/S	04-Apr-2018	HK1823063-031		3.0	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
F1/R1/21stMar/S Duplicate	04-Apr-2018	HK1823063-032	2.5	----	----	----	----
F1/R1/21stMar/M	04-Apr-2018	HK1823063-033	7.0	----	----	----	----
F1/R1/21stMar/M Duplicate	04-Apr-2018	HK1823063-034	6.0	----	----	----	----
F1/R1/21stMar/B	04-Apr-2018	HK1823063-035	11.0	----	----	----	----
F1/R1/21stMar/B Duplicate	04-Apr-2018	HK1823063-036	9.6	----	----	----	----
C2/R1/21stMar/S	04-Apr-2018	HK1823063-037	2.6	----	----	----	----
C2/R1/21stMar/S Duplicate	04-Apr-2018	HK1823063-038	2.1	----	----	----	----
C2/R1/21stMar/M	04-Apr-2018	HK1823063-039	2.1	----	----	----	----
C2/R1/21stMar/M Duplicate	04-Apr-2018	HK1823063-040	2.5	----	----	----	----
C2/R1/21stMar/B	04-Apr-2018	HK1823063-041	3.6	----	----	----	----
C2/R1/21stMar/B Duplicate	04-Apr-2018	HK1823063-042	2.3	----	----	----	----
C3/R1/21stMar/S	04-Apr-2018	HK1823063-043	2.5	----	----	----	----
C3/R1/21stMar/S Duplicate	04-Apr-2018	HK1823063-044	2.2	----	----	----	----
C3/R1/21stMar/M	04-Apr-2018	HK1823063-045	3.2	----	----	----	----
C3/R1/21stMar/M Duplicate	04-Apr-2018	HK1823063-046	4.2	----	----	----	----
C3/R1/21stMar/B	04-Apr-2018	HK1823063-047	4.2	----	----	----	----
C3/R1/21stMar/B Duplicate	04-Apr-2018	HK1823063-048	5.5	----	----	----	----
E1/R2/21stMar/S	04-Apr-2018	HK1823063-049	1.4	----	----	----	----
E1/R2/21stMar/S Duplicate	04-Apr-2018	HK1823063-050	1.8	----	----	----	----
E1/R2/21stMar/M	04-Apr-2018	HK1823063-051	2.1	----	----	----	----
E1/R2/21stMar/M Duplicate	04-Apr-2018	HK1823063-052	2.7	----	----	----	----
E1/R2/21stMar/B	04-Apr-2018	HK1823063-053	2.1	----	----	----	----
E1/R2/21stMar/B Duplicate	04-Apr-2018	HK1823063-054	3.5	----	----	----	----
G1/R2/21stMar/S	04-Apr-2018	HK1823063-055	1.0	----	----	----	----
G1/R2/21stMar/S Duplicate	04-Apr-2018	HK1823063-056	1.2	----	----	----	----
G1/R2/21stMar/M	04-Apr-2018	HK1823063-057	1.8	----	----	----	----
G1/R2/21stMar/M Duplicate	04-Apr-2018	HK1823063-058	1.5	----	----	----	----
G1/R2/21stMar/B	04-Apr-2018	HK1823063-059	2.8	----	----	----	----
G1/R2/21stMar/B Duplicate	04-Apr-2018	HK1823063-060	2.6	----	----	----	----
I3/R2/21stMar/S	04-Apr-2018	HK1823063-061	2.5	----	----	----	----
I3/R2/21stMar/S Duplicate	04-Apr-2018	HK1823063-062	2.3	----	----	----	----
I3/R2/21stMar/M	04-Apr-2018	HK1823063-063	4.0	----	----	----	----
I3/R2/21stMar/M Duplicate	04-Apr-2018	HK1823063-064	2.9	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
I3/R2/21stMar/B	04-Apr-2018	HK1823063-065	3.4	----	----	----	----
I3/R2/21stMar/B Duplicate	04-Apr-2018	HK1823063-066	3.0	----	----	----	----
I4/R2/21stMar/S	04-Apr-2018	HK1823063-067	2.6	----	----	----	----
I4/R2/21stMar/S Duplicate	04-Apr-2018	HK1823063-068	2.3	----	----	----	----
I4/R2/21stMar/M	04-Apr-2018	HK1823063-069	2.3	----	----	----	----
I4/R2/21stMar/M Duplicate	04-Apr-2018	HK1823063-070	2.2	----	----	----	----
I4/R2/21stMar/B	04-Apr-2018	HK1823063-071	5.9	----	----	----	----
I4/R2/21stMar/B Duplicate	04-Apr-2018	HK1823063-072	5.7	----	----	----	----
B1/R2/21stMar/S	04-Apr-2018	HK1823063-073	2.9	----	----	----	----
B1/R2/21stMar/S Duplicate	04-Apr-2018	HK1823063-074	3.4	----	----	----	----
B1/R2/21stMar/M	04-Apr-2018	HK1823063-075	3.5	----	----	----	----
B1/R2/21stMar/M Duplicate	04-Apr-2018	HK1823063-076	2.2	----	----	----	----
B1/R2/21stMar/B	04-Apr-2018	HK1823063-077	6.9	----	----	----	----
B1/R2/21stMar/B Duplicate	04-Apr-2018	HK1823063-078	5.4	----	----	----	----
F1/R2/21stMar/S	04-Apr-2018	HK1823063-079	3.6	----	----	----	----
F1/R2/21stMar/S Duplicate	04-Apr-2018	HK1823063-080	2.7	----	----	----	----
F1/R2/21stMar/M	04-Apr-2018	HK1823063-081	4.1	----	----	----	----
F1/R2/21stMar/M Duplicate	04-Apr-2018	HK1823063-082	4.2	----	----	----	----
F1/R2/21stMar/B	04-Apr-2018	HK1823063-083	4.2	----	----	----	----
F1/R2/21stMar/B Duplicate	04-Apr-2018	HK1823063-084	4.3	----	----	----	----
C2/R2/21stMar/S	04-Apr-2018	HK1823063-085	3.6	----	----	----	----
C2/R2/21stMar/S Duplicate	04-Apr-2018	HK1823063-086	4.6	----	----	----	----
C2/R2/21stMar/M	04-Apr-2018	HK1823063-087	3.9	----	----	----	----
C2/R2/21stMar/M Duplicate	04-Apr-2018	HK1823063-088	3.0	----	----	----	----
C2/R2/21stMar/B	04-Apr-2018	HK1823063-089	4.0	----	----	----	----
C2/R2/21stMar/B Duplicate	04-Apr-2018	HK1823063-090	3.0	----	----	----	----
C3/R2/21stMar/S	04-Apr-2018	HK1823063-091	3.1	----	----	----	----
C3/R2/21stMar/S Duplicate	04-Apr-2018	HK1823063-092	4.1	----	----	----	----
C3/R2/21stMar/M	04-Apr-2018	HK1823063-093	4.0	----	----	----	----
C3/R2/21stMar/M Duplicate	04-Apr-2018	HK1823063-094	3.0	----	----	----	----
C3/R2/21stMar/B	04-Apr-2018	HK1823063-095	4.2	----	----	----	----
C3/R2/21stMar/B Duplicate	04-Apr-2018	HK1823063-096	4.0	----	----	----	----
E1/R3/21stMar/S	04-Apr-2018	HK1823063-097	3.6	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
E1/R3/21stMar/S Duplicate	04-Apr-2018	HK1823063-098	2.9	----	----	----	----
E1/R3/21stMar/M	04-Apr-2018	HK1823063-099	3.2	----	----	----	----
E1/R3/21stMar/M Duplicate	04-Apr-2018	HK1823063-100	3.9	----	----	----	----
E1/R3/21stMar/B	04-Apr-2018	HK1823063-101	5.9	----	----	----	----
E1/R3/21stMar/B Duplicate	04-Apr-2018	HK1823063-102	6.8	----	----	----	----
G1/R3/21stMar/S	04-Apr-2018	HK1823063-103	1.4	----	----	----	----
G1/R3/21stMar/S Duplicate	04-Apr-2018	HK1823063-104	1.3	----	----	----	----
G1/R3/21stMar/M	04-Apr-2018	HK1823063-105	2.5	----	----	----	----
G1/R3/21stMar/M Duplicate	04-Apr-2018	HK1823063-106	2.6	----	----	----	----
G1/R3/21stMar/B	04-Apr-2018	HK1823063-107	2.2	----	----	----	----
G1/R3/21stMar/B Duplicate	04-Apr-2018	HK1823063-108	2.1	----	----	----	----
I3/R3/21stMar/S	04-Apr-2018	HK1823063-109	1.8	----	----	----	----
I3/R3/21stMar/S Duplicate	04-Apr-2018	HK1823063-110	1.8	----	----	----	----
I3/R3/21stMar/M	04-Apr-2018	HK1823063-111	1.7	----	----	----	----
I3/R3/21stMar/M Duplicate	04-Apr-2018	HK1823063-112	1.8	----	----	----	----
I3/R3/21stMar/B	04-Apr-2018	HK1823063-113	3.8	----	----	----	----
I3/R3/21stMar/B Duplicate	04-Apr-2018	HK1823063-114	2.9	----	----	----	----
I4/R3/21stMar/S	04-Apr-2018	HK1823063-115	1.1	----	----	----	----
I4/R3/21stMar/S Duplicate	04-Apr-2018	HK1823063-116	1.4	----	----	----	----
I4/R3/21stMar/M	04-Apr-2018	HK1823063-117	2.7	----	----	----	----
I4/R3/21stMar/M Duplicate	04-Apr-2018	HK1823063-118	2.2	----	----	----	----
I4/R3/21stMar/B	04-Apr-2018	HK1823063-119	2.2	----	----	----	----
I4/R3/21stMar/B Duplicate	04-Apr-2018	HK1823063-120	2.6	----	----	----	----
B1/R3/21stMar/S	04-Apr-2018	HK1823063-121	1.6	----	----	----	----
B1/R3/21stMar/S Duplicate	04-Apr-2018	HK1823063-122	1.8	----	----	----	----
B1/R3/21stMar/M	04-Apr-2018	HK1823063-123	1.4	----	----	----	----
B1/R3/21stMar/M Duplicate	04-Apr-2018	HK1823063-124	1.8	----	----	----	----
B1/R3/21stMar/B	04-Apr-2018	HK1823063-125	1.6	----	----	----	----
B1/R3/21stMar/B Duplicate	04-Apr-2018	HK1823063-126	1.1	----	----	----	----
F1/R3/21stMar/S	04-Apr-2018	HK1823063-127	3.8	----	----	----	----
F1/R3/21stMar/S Duplicate	04-Apr-2018	HK1823063-128	2.2	----	----	----	----
F1/R3/21stMar/M	04-Apr-2018	HK1823063-129	4.9	----	----	----	----
F1/R3/21stMar/M Duplicate	04-Apr-2018	HK1823063-130	3.9	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
F1/R3/21stMar/B	04-Apr-2018	HK1823063-131	4.5	----	----	----	----
F1/R3/21stMar/B Duplicate	04-Apr-2018	HK1823063-132	4.2	----	----	----	----
C2/R3/21stMar/S	04-Apr-2018	HK1823063-133	2.6	----	----	----	----
C2/R3/21stMar/S Duplicate	04-Apr-2018	HK1823063-134	2.3	----	----	----	----
C2/R3/21stMar/M	04-Apr-2018	HK1823063-135	4.4	----	----	----	----
C2/R3/21stMar/M Duplicate	04-Apr-2018	HK1823063-136	3.5	----	----	----	----
C2/R3/21stMar/B	04-Apr-2018	HK1823063-137	4.7	----	----	----	----
C2/R3/21stMar/B Duplicate	04-Apr-2018	HK1823063-138	3.6	----	----	----	----
C3/R3/21stMar/S	04-Apr-2018	HK1823063-139	2.8	----	----	----	----
C3/R3/21stMar/S Duplicate	04-Apr-2018	HK1823063-140	2.4	----	----	----	----
C3/R3/21stMar/M	04-Apr-2018	HK1823063-141	2.3	----	----	----	----
C3/R3/21stMar/M Duplicate	04-Apr-2018	HK1823063-142	2.3	----	----	----	----
C3/R3/21stMar/B	04-Apr-2018	HK1823063-143	4.7	----	----	----	----
C3/R3/21stMar/B Duplicate	04-Apr-2018	HK1823063-144	5.1	----	----	----	----
E1/R4/21stMar/S	04-Apr-2018	HK1823063-145	4.9	----	----	----	----
E1/R4/21stMar/S Duplicate	04-Apr-2018	HK1823063-146	4.1	----	----	----	----
E1/R4/21stMar/M	04-Apr-2018	HK1823063-147	4.8	----	----	----	----
E1/R4/21stMar/M Duplicate	04-Apr-2018	HK1823063-148	3.5	----	----	----	----
E1/R4/21stMar/B	04-Apr-2018	HK1823063-149	4.7	----	----	----	----
E1/R4/21stMar/B Duplicate	04-Apr-2018	HK1823063-150	3.8	----	----	----	----
G1/R4/21stMar/S	04-Apr-2018	HK1823063-151	3.4	----	----	----	----
G1/R4/21stMar/S Duplicate	04-Apr-2018	HK1823063-152	2.3	----	----	----	----
G1/R4/21stMar/M	04-Apr-2018	HK1823063-153	2.8	----	----	----	----
G1/R4/21stMar/M Duplicate	04-Apr-2018	HK1823063-154	2.7	----	----	----	----
G1/R4/21stMar/B	04-Apr-2018	HK1823063-155	2.5	----	----	----	----
G1/R4/21stMar/B Duplicate	04-Apr-2018	HK1823063-156	2.9	----	----	----	----
I3/R4/21stMar/S	04-Apr-2018	HK1823063-157	3.1	----	----	----	----
I3/R4/21stMar/S Duplicate	04-Apr-2018	HK1823063-158	2.4	----	----	----	----
I3/R4/21stMar/M	04-Apr-2018	HK1823063-159	2.3	----	----	----	----
I3/R4/21stMar/M Duplicate	04-Apr-2018	HK1823063-160	2.2	----	----	----	----
I3/R4/21stMar/B	04-Apr-2018	HK1823063-161	3.6	----	----	----	----
I3/R4/21stMar/B Duplicate	04-Apr-2018	HK1823063-162	2.3	----	----	----	----
I4/R4/21stMar/S	04-Apr-2018	HK1823063-163	2.4	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
I4/R4/21stMar/S Duplicate	04-Apr-2018	HK1823063-164	2.1	----	----	----	----
I4/R4/21stMar/M	04-Apr-2018	HK1823063-165	2.4	----	----	----	----
I4/R4/21stMar/M Duplicate	04-Apr-2018	HK1823063-166	2.4	----	----	----	----
I4/R4/21stMar/B	04-Apr-2018	HK1823063-167	4.5	----	----	----	----
I4/R4/21stMar/B Duplicate	04-Apr-2018	HK1823063-168	3.9	----	----	----	----
B1/R4/21stMar/S	04-Apr-2018	HK1823063-169	1.2	----	----	----	----
B1/R4/21stMar/S Duplicate	04-Apr-2018	HK1823063-170	1.8	----	----	----	----
B1/R4/21stMar/M	04-Apr-2018	HK1823063-171	2.3	----	----	----	----
B1/R4/21stMar/M Duplicate	04-Apr-2018	HK1823063-172	2.5	----	----	----	----
B1/R4/21stMar/B	04-Apr-2018	HK1823063-173	3.8	----	----	----	----
B1/R4/21stMar/B Duplicate	04-Apr-2018	HK1823063-174	3.0	----	----	----	----
F1/R4/21stMar/S	04-Apr-2018	HK1823063-175	2.8	----	----	----	----
F1/R4/21stMar/S Duplicate	04-Apr-2018	HK1823063-176	2.1	----	----	----	----
F1/R4/21stMar/M	04-Apr-2018	HK1823063-177	3.9	----	----	----	----
F1/R4/21stMar/M Duplicate	04-Apr-2018	HK1823063-178	4.2	----	----	----	----
F1/R4/21stMar/B	04-Apr-2018	HK1823063-179	5.1	----	----	----	----
F1/R4/21stMar/B Duplicate	04-Apr-2018	HK1823063-180	5.9	----	----	----	----
C2/R4/21stMar/S	04-Apr-2018	HK1823063-181	1.0	----	----	----	----
C2/R4/21stMar/S Duplicate	04-Apr-2018	HK1823063-182	1.3	----	----	----	----
C2/R4/21stMar/M	04-Apr-2018	HK1823063-183	1.4	----	----	----	----
C2/R4/21stMar/M Duplicate	04-Apr-2018	HK1823063-184	1.7	----	----	----	----
C2/R4/21stMar/B	04-Apr-2018	HK1823063-185	2.8	----	----	----	----
C2/R4/21stMar/B Duplicate	04-Apr-2018	HK1823063-186	3.4	----	----	----	----
C3/R4/21stMar/S	04-Apr-2018	HK1823063-187	3.3	----	----	----	----
C3/R4/21stMar/S Duplicate	04-Apr-2018	HK1823063-188	2.9	----	----	----	----
C3/R4/21stMar/M	04-Apr-2018	HK1823063-189	2.6	----	----	----	----
C3/R4/21stMar/M Duplicate	04-Apr-2018	HK1823063-190	3.5	----	----	----	----
C3/R4/21stMar/B	04-Apr-2018	HK1823063-191	4.6	----	----	----	----
C3/R4/21stMar/B Duplicate	04-Apr-2018	HK1823063-192	3.8	----	----	----	----
E1/R5/21stMar/S	04-Apr-2018	HK1823063-193	1.3	----	----	----	----
E1/R5/21stMar/S Duplicate	04-Apr-2018	HK1823063-194	1.2	----	----	----	----
E1/R5/21stMar/M	04-Apr-2018	HK1823063-195	1.9	----	----	----	----
E1/R5/21stMar/M Duplicate	04-Apr-2018	HK1823063-196	1.4	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
E1/R5/21stMar/B	04-Apr-2018	HK1823063-197	2.4	----	----	----	----
E1/R5/21stMar/B Duplicate	04-Apr-2018	HK1823063-198	2.3	----	----	----	----
G1/R5/21stMar/S	04-Apr-2018	HK1823063-199	1.7	----	----	----	----
G1/R5/21stMar/S Duplicate	04-Apr-2018	HK1823063-200	1.0	----	----	----	----
G1/R5/21stMar/M	04-Apr-2018	HK1823063-201	3.4	----	----	----	----
G1/R5/21stMar/M Duplicate	04-Apr-2018	HK1823063-202	2.3	----	----	----	----
G1/R5/21stMar/B	04-Apr-2018	HK1823063-203	2.2	----	----	----	----
G1/R5/21stMar/B Duplicate	04-Apr-2018	HK1823063-204	2.3	----	----	----	----
I3/R5/21stMar/S	04-Apr-2018	HK1823063-205	1.4	----	----	----	----
I3/R5/21stMar/S Duplicate	04-Apr-2018	HK1823063-206	1.2	----	----	----	----
I3/R5/21stMar/M	04-Apr-2018	HK1823063-207	1.4	----	----	----	----
I3/R5/21stMar/M Duplicate	04-Apr-2018	HK1823063-208	1.6	----	----	----	----
I3/R5/21stMar/B	04-Apr-2018	HK1823063-209	1.5	----	----	----	----
I3/R5/21stMar/B Duplicate	04-Apr-2018	HK1823063-210	1.2	----	----	----	----
I4/R5/21stMar/S	04-Apr-2018	HK1823063-211	0.6	----	----	----	----
I4/R5/21stMar/S Duplicate	04-Apr-2018	HK1823063-212	<0.5	----	----	----	----
I4/R5/21stMar/M	04-Apr-2018	HK1823063-213	1.5	----	----	----	----
I4/R5/21stMar/M Duplicate	04-Apr-2018	HK1823063-214	1.2	----	----	----	----
I4/R5/21stMar/B	04-Apr-2018	HK1823063-215	0.8	----	----	----	----
I4/R5/21stMar/B Duplicate	04-Apr-2018	HK1823063-216	0.6	----	----	----	----
B1/R5/21stMar/S	04-Apr-2018	HK1823063-217	0.8	----	----	----	----
B1/R5/21stMar/S Duplicate	04-Apr-2018	HK1823063-218	<0.5	----	----	----	----
B1/R5/21stMar/M	04-Apr-2018	HK1823063-219	4.3	----	----	----	----
B1/R5/21stMar/M Duplicate	04-Apr-2018	HK1823063-220	3.7	----	----	----	----
B1/R5/21stMar/B	04-Apr-2018	HK1823063-221	3.4	----	----	----	----
B1/R5/21stMar/B Duplicate	04-Apr-2018	HK1823063-222	3.3	----	----	----	----
F1/R5/21stMar/S	04-Apr-2018	HK1823063-223	1.2	----	----	----	----
F1/R5/21stMar/S Duplicate	04-Apr-2018	HK1823063-224	1.5	----	----	----	----
F1/R5/21stMar/M	04-Apr-2018	HK1823063-225	1.1	----	----	----	----
F1/R5/21stMar/M Duplicate	04-Apr-2018	HK1823063-226	1.0	----	----	----	----
F1/R5/21stMar/B	04-Apr-2018	HK1823063-227	1.8	----	----	----	----
F1/R5/21stMar/B Duplicate	04-Apr-2018	HK1823063-228	1.6	----	----	----	----
C2/R5/21stMar/S	04-Apr-2018	HK1823063-229	3.3	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
C2/R5/21stMar/S Duplicate	04-Apr-2018	HK1823063-230	2.9	----	----	----	----
C2/R5/21stMar/M	04-Apr-2018	HK1823063-231	3.7	----	----	----	----
C2/R5/21stMar/M Duplicate	04-Apr-2018	HK1823063-232	3.2	----	----	----	----
C2/R5/21stMar/B	04-Apr-2018	HK1823063-233	3.4	----	----	----	----
C2/R5/21stMar/B Duplicate	04-Apr-2018	HK1823063-234	3.1	----	----	----	----
C3/R5/21stMar/S	04-Apr-2018	HK1823063-235	1.4	----	----	----	----
C3/R5/21stMar/S Duplicate	04-Apr-2018	HK1823063-236	1.2	----	----	----	----
C3/R5/21stMar/M	04-Apr-2018	HK1823063-237	1.6	----	----	----	----
C3/R5/21stMar/M Duplicate	04-Apr-2018	HK1823063-238	1.1	----	----	----	----
C3/R5/21stMar/B	04-Apr-2018	HK1823063-239	2.6	----	----	----	----
C3/R5/21stMar/B Duplicate	04-Apr-2018	HK1823063-240	2.5	----	----	----	----
E1/R6/21stMar/S	04-Apr-2018	HK1823063-241	<0.5	----	----	----	----
E1/R6/21stMar/S Duplicate	04-Apr-2018	HK1823063-242	<0.5	----	----	----	----
E1/R6/21stMar/M	04-Apr-2018	HK1823063-243	1.4	----	----	----	----
E1/R6/21stMar/M Duplicate	04-Apr-2018	HK1823063-244	1.4	----	----	----	----
E1/R6/21stMar/B	04-Apr-2018	HK1823063-245	1.6	----	----	----	----
E1/R6/21stMar/B Duplicate	04-Apr-2018	HK1823063-246	1.9	----	----	----	----
G1/R6/21stMar/S	04-Apr-2018	HK1823063-247	1.2	----	----	----	----
G1/R6/21stMar/S Duplicate	04-Apr-2018	HK1823063-248	1.0	----	----	----	----
G1/R6/21stMar/M	04-Apr-2018	HK1823063-249	1.2	----	----	----	----
G1/R6/21stMar/M Duplicate	04-Apr-2018	HK1823063-250	1.8	----	----	----	----
G1/R6/21stMar/B	04-Apr-2018	HK1823063-251	3.2	----	----	----	----
G1/R6/21stMar/B Duplicate	04-Apr-2018	HK1823063-252	2.6	----	----	----	----
I3/R6/21stMar/S	04-Apr-2018	HK1823063-253	1.8	----	----	----	----
I3/R6/21stMar/S Duplicate	04-Apr-2018	HK1823063-254	1.4	----	----	----	----
I3/R6/21stMar/M	04-Apr-2018	HK1823063-255	2.7	----	----	----	----
I3/R6/21stMar/M Duplicate	04-Apr-2018	HK1823063-256	3.0	----	----	----	----
I3/R6/21stMar/B	04-Apr-2018	HK1823063-257	3.3	----	----	----	----
I3/R6/21stMar/B Duplicate	04-Apr-2018	HK1823063-258	3.9	----	----	----	----
I4/R6/21stMar/S	04-Apr-2018	HK1823063-259	0.9	----	----	----	----
I4/R6/21stMar/S Duplicate	04-Apr-2018	HK1823063-260	1.1	----	----	----	----
I4/R6/21stMar/M	04-Apr-2018	HK1823063-261	1.1	----	----	----	----
I4/R6/21stMar/M Duplicate	04-Apr-2018	HK1823063-262	1.1	----	----	----	----

Sub-Matrix: **MARINE WATER**

		Compound	EA025: Suspended Solids (SS)	----	----	----	----
		LOR Unit	0.5 mg/L	----	----	----	----
Client sample ID	Client sampling date / time	Laboratory sample ID	EA/ED: Physical and Aggregate Properties	----	----	----	----
I4/R6/21stMar/B	04-Apr-2018	HK1823063-263	2.6	----	----	----	----
I4/R6/21stMar/B Duplicate	04-Apr-2018	HK1823063-264	2.3	----	----	----	----
B1/R6/21stMar/S	04-Apr-2018	HK1823063-265	3.4	----	----	----	----
B1/R6/21stMar/S Duplicate	04-Apr-2018	HK1823063-266	4.0	----	----	----	----
B1/R6/21stMar/M	04-Apr-2018	HK1823063-267	7.4	----	----	----	----
B1/R6/21stMar/M Duplicate	04-Apr-2018	HK1823063-268	7.7	----	----	----	----
B1/R6/21stMar/B	04-Apr-2018	HK1823063-269	6.0	----	----	----	----
B1/R6/21stMar/B Duplicate	04-Apr-2018	HK1823063-270	6.0	----	----	----	----
F1/R6/21stMar/S	04-Apr-2018	HK1823063-271	6.6	----	----	----	----
F1/R6/21stMar/S Duplicate	04-Apr-2018	HK1823063-272	6.1	----	----	----	----
F1/R6/21stMar/M	04-Apr-2018	HK1823063-273	6.1	----	----	----	----
F1/R6/21stMar/M Duplicate	04-Apr-2018	HK1823063-274	5.1	----	----	----	----
F1/R6/21stMar/B	04-Apr-2018	HK1823063-275	4.9	----	----	----	----
F1/R6/21stMar/B Duplicate	04-Apr-2018	HK1823063-276	5.3	----	----	----	----
C2/R6/21stMar/S	04-Apr-2018	HK1823063-277	2.3	----	----	----	----
C2/R6/21stMar/S Duplicate	04-Apr-2018	HK1823063-278	2.3	----	----	----	----
C2/R6/21stMar/M	04-Apr-2018	HK1823063-279	2.1	----	----	----	----
C2/R6/21stMar/M Duplicate	04-Apr-2018	HK1823063-280	3.1	----	----	----	----
C2/R6/21stMar/B	04-Apr-2018	HK1823063-281	4.0	----	----	----	----
C2/R6/21stMar/B Duplicate	04-Apr-2018	HK1823063-282	3.0	----	----	----	----
C3/R6/21stMar/S	04-Apr-2018	HK1823063-283	1.1	----	----	----	----
C3/R6/21stMar/S Duplicate	04-Apr-2018	HK1823063-284	1.7	----	----	----	----
C3/R6/21stMar/M	04-Apr-2018	HK1823063-285	2.2	----	----	----	----
C3/R6/21stMar/M Duplicate	04-Apr-2018	HK1823063-286	3.6	----	----	----	----
C3/R6/21stMar/B	04-Apr-2018	HK1823063-287	2.2	----	----	----	----
C3/R6/21stMar/B Duplicate	04-Apr-2018	HK1823063-288	2.3	----	----	----	----

Laboratory Duplicate (DUP) Report

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1552425)								
HK1823063-001	E1/R1/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.8	2.4	16.1
HK1823063-011	G1/R1/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.3	3.5	41.0
EA/ED: Physical and Aggregate Properties (QC Lot: 1552426)								
HK1823063-021	I4/R1/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.3	3.1	5.49
HK1823063-031	F1/R1/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.0	2.8	6.96
EA/ED: Physical and Aggregate Properties (QC Lot: 1552427)								
HK1823063-041	C2/R1/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.6	3.1	12.7
HK1823063-051	E1/R2/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.1	2.1	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 1552428)								
HK1823063-061	I3/R2/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.5	2.1	15.2
HK1823063-071	I4/R2/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	5.9	4.6	24.9
EA/ED: Physical and Aggregate Properties (QC Lot: 1552429)								
HK1823063-081	F1/R2/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.1	3.0	30.4
HK1823063-091	C3/R2/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.1	3.6	13.4
EA/ED: Physical and Aggregate Properties (QC Lot: 1552430)								
HK1823063-101	E1/R3/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	5.9	5.7	3.89
HK1823063-111	I3/R3/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.7	1.1	43.6
EA/ED: Physical and Aggregate Properties (QC Lot: 1552431)								
HK1823063-121	B1/R3/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.6	1.2	31.6
HK1823063-131	F1/R3/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.5	5.3	17.3
EA/ED: Physical and Aggregate Properties (QC Lot: 1552432)								
HK1823063-141	C3/R3/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.3	2.4	0.00
HK1823063-151	G1/R4/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.4	3.0	14.1
EA/ED: Physical and Aggregate Properties (QC Lot: 1552433)								
HK1823063-161	I3/R4/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.6	3.6	0.00
HK1823063-171	B1/R4/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	2.3	2.3	0.00
EA/ED: Physical and Aggregate Properties (QC Lot: 1552434)								
HK1823063-181	C2/R4/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.0	1.4	29.8
HK1823063-191	C3/R4/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.6	4.8	5.35
EA/ED: Physical and Aggregate Properties (QC Lot: 1552435)								
HK1823063-201	G1/R5/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.4	2.4	34.5
HK1823063-211	I4/R5/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	0.6	<0.5	26.1
EA/ED: Physical and Aggregate Properties (QC Lot: 1552436)								
HK1823063-221	B1/R5/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.4	3.4	0.00
HK1823063-231	C2/R5/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.7	3.6	3.44

Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1552437)								
HK1823063-241	E1/R6/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	<0.5	0.00
HK1823063-251	G1/R6/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	3.2	3.6	9.52
EA/ED: Physical and Aggregate Properties (QC Lot: 1552438)								
HK1823063-261	I4/R6/21stMar/M	EA025: Suspended Solids (SS)	----	0.5	mg/L	1.1	0.7	50.0
HK1823063-271	F1/R6/21stMar/S	EA025: Suspended Solids (SS)	----	0.5	mg/L	6.6	5.5	18.1
EA/ED: Physical and Aggregate Properties (QC Lot: 1552439)								
HK1823063-281	C2/R6/21stMar/B	EA025: Suspended Solids (SS)	----	0.5	mg/L	4.0	2.8	36.4

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

Matrix: **WATER**

Method: Compound	CAS Number	Method Blank (MB) Report LOR	Unit	Result	Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report Spike Concentration	Spike Recovery (%) LCS	DCS	Recovery Limits (%) Low	High	RPDs (%) Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1552425)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	95.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552426)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	108	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552427)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	108	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552428)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	108	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552429)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	110	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552430)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	111	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552431)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	109	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552432)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	110	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552433)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	112	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552434)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	95.5	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552435)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	93.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552436)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	86.5	----	85	115	----	----

Matrix: **WATER**

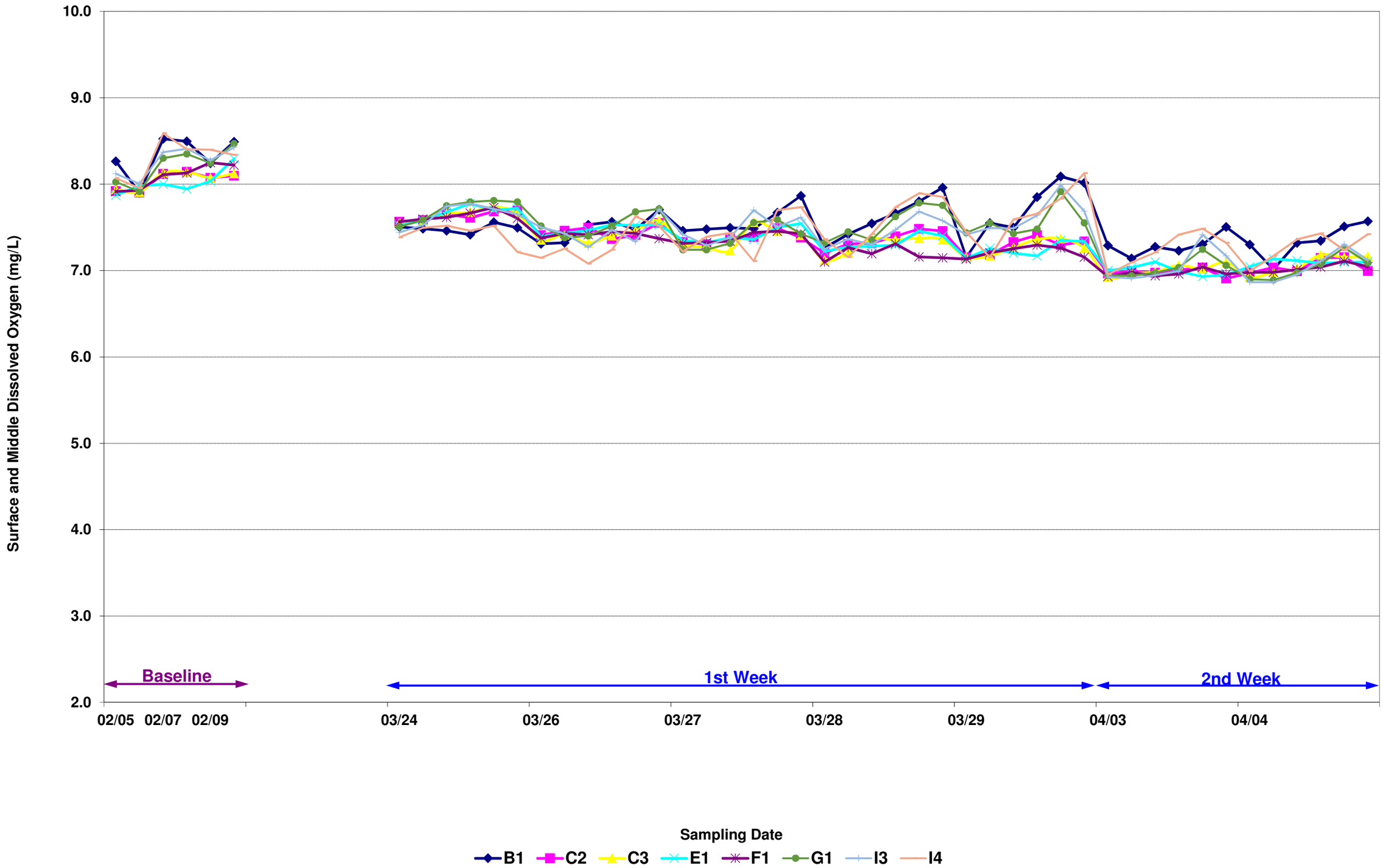
		Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QCLot: 1552437)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	92.0	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552438)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	101	----	85	115	----	----
EA/ED: Physical and Aggregate Properties (QCLot: 1552439)											
EA025: Suspended Solids (SS)	----	0.5	mg/L	<0.5	20 mg/L	98.5	----	85	115	----	----

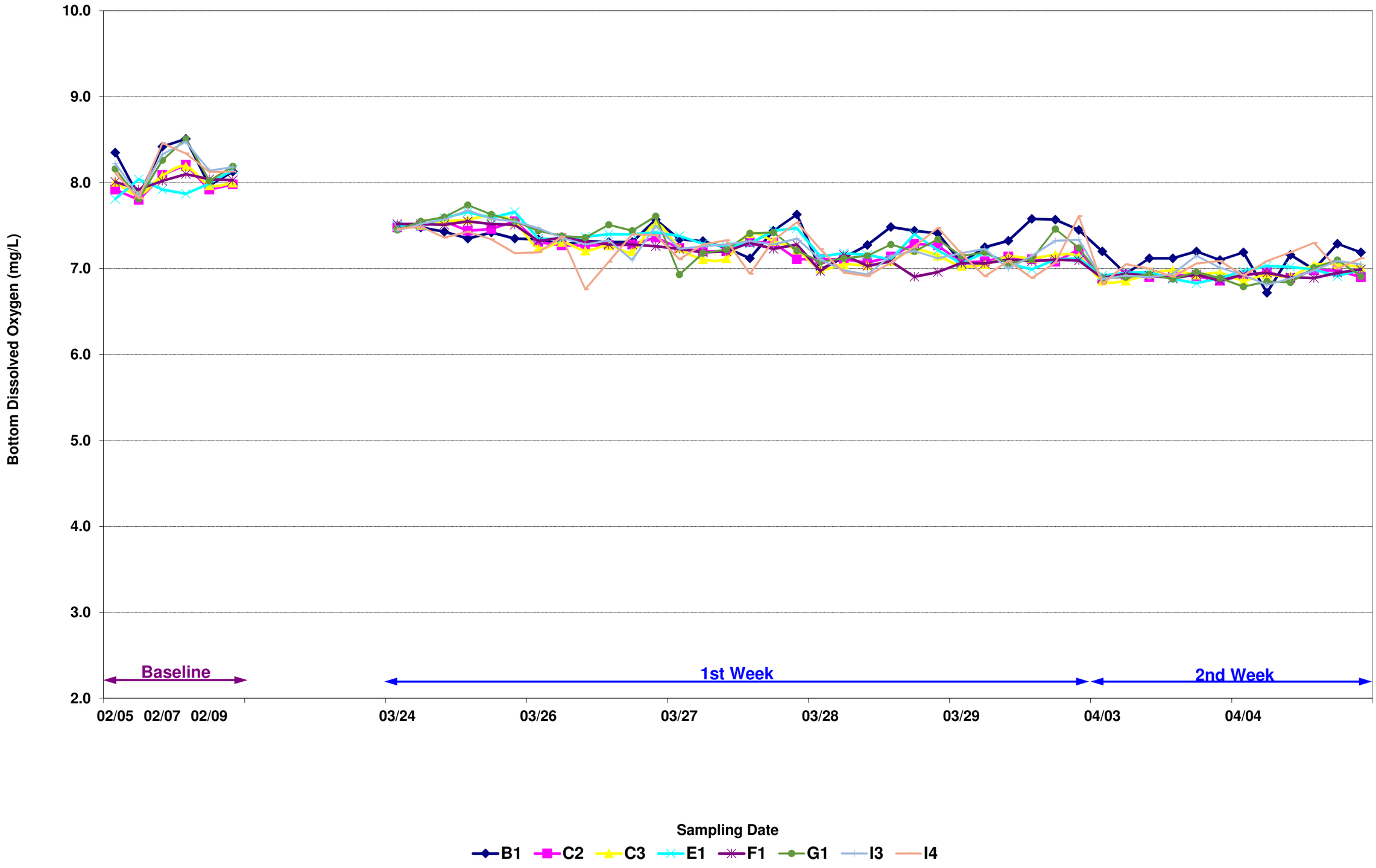
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

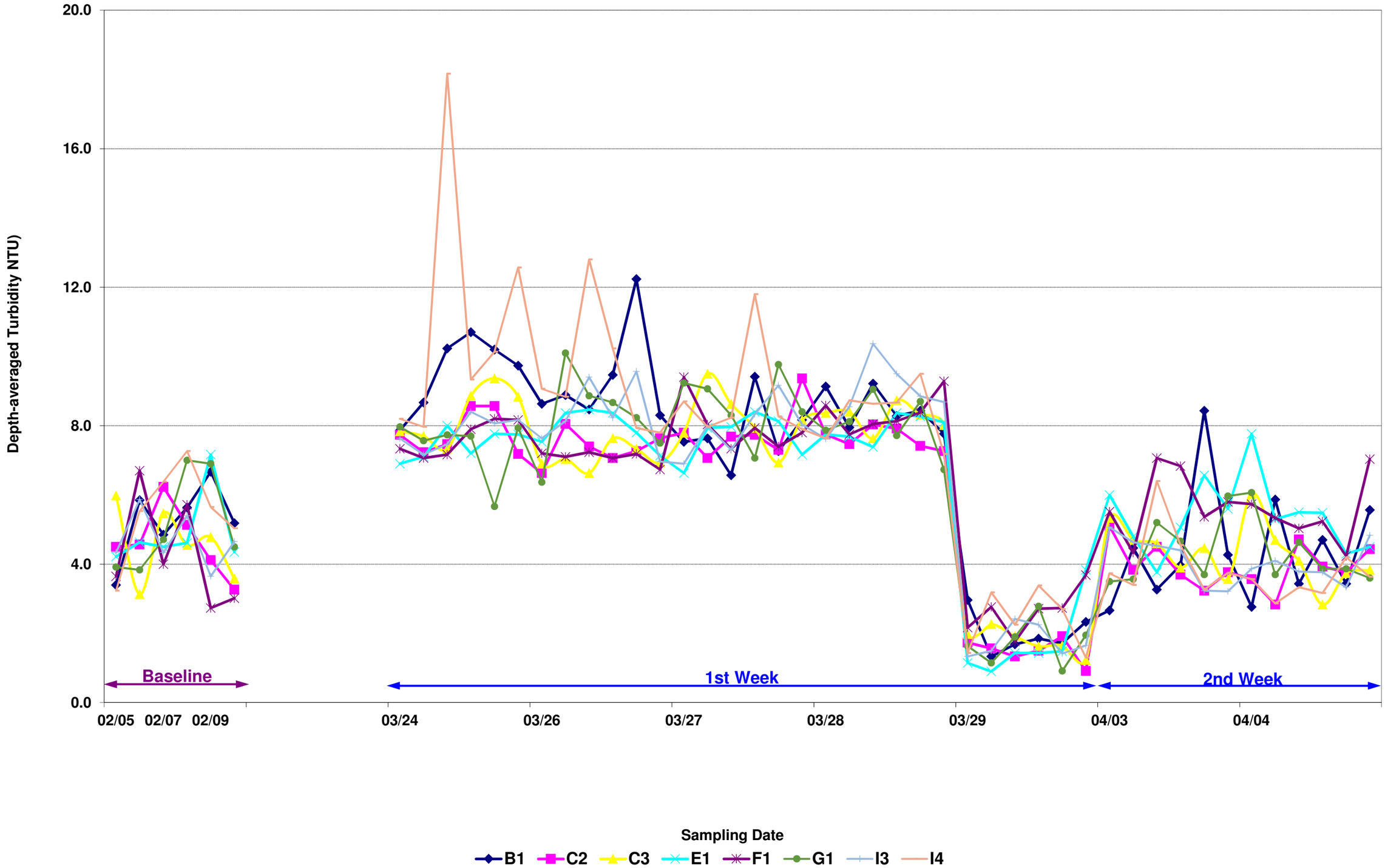
- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

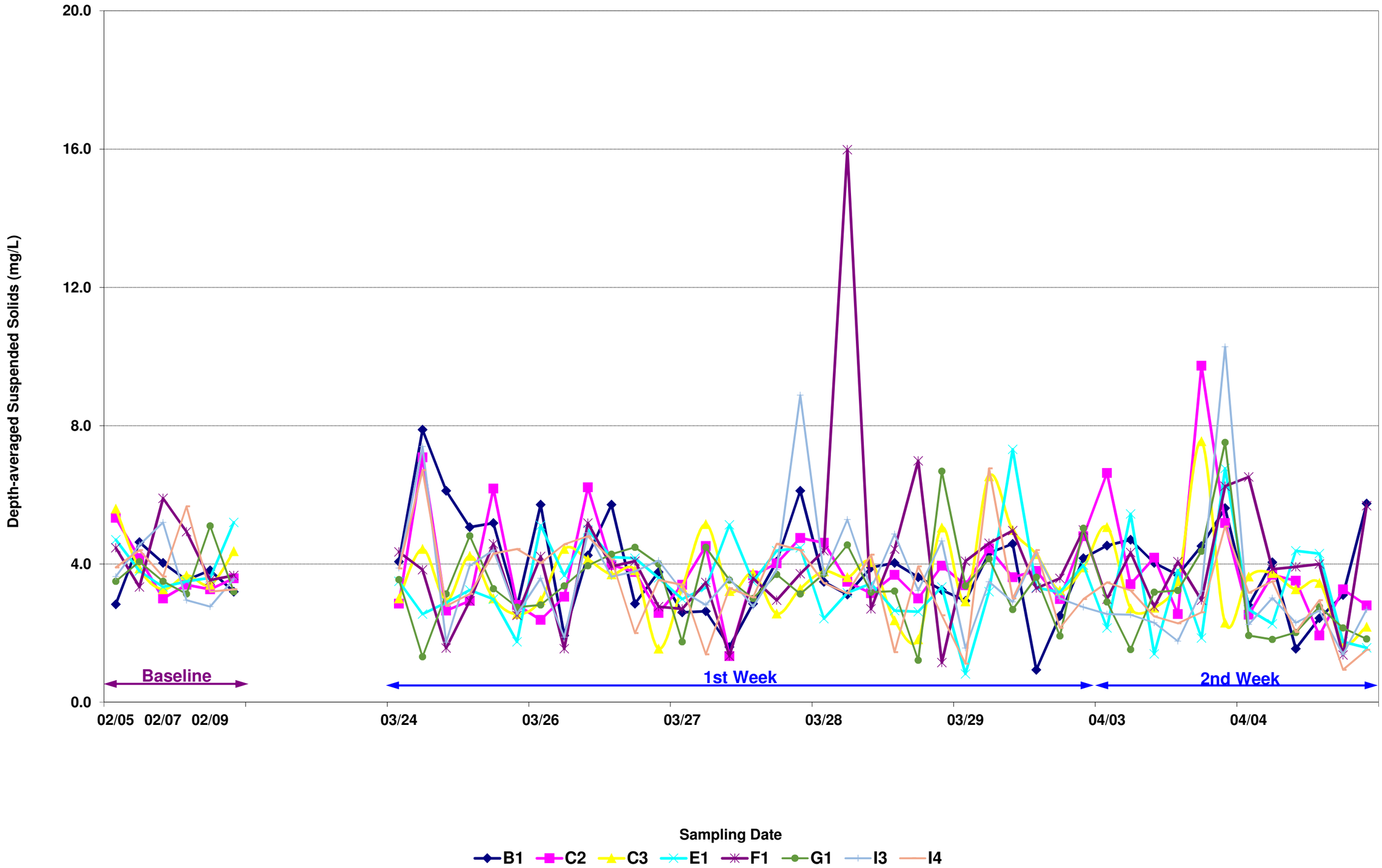
Annex C

Impact Water Quality Monitoring Results


Surface and Middle Dissolved Oxygen (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
Baseline
1st Week
2nd Week
02/05
02/07
02/09
03/24
03/26
03/27
03/28
03/29
04/03
04/04
Sampling Date
B1
C2
C3
E1
F1
G1
I3
I4


Bottom Dissolved Oxygen (mg/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
Baseline
1st Week
2nd Week
02/05
02/07
02/09
03/24
03/26
03/27
03/28
03/29
04/03
04/04
Sampling Date
B1
C2
C3
E1
F1
G1
I3
I4


Depth-averaged Turbidity NTU)
20.0
16.0
12.0
8.0
4.0
0.0
Baseline
1st Week
2nd Week
02/05
02/07
02/09
03/24
03/26
03/27
03/28
03/29
04/03
04/04
Sampling Date
B1
C2
C3
E1
F1
G1
I3
I4


Depth-averaged Suspended Solids (mg/L)
20.0
16.0
12.0
8.0
4.0
0.0
Baseline
1st Week
2nd Week
02/05
02/07
02/09
03/24
03/26
03/27
03/28
03/29
04/03
04/04
Sampling Date
B1
C2
C3
E1
F1
G1
I3
I4

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<7.88	<7.81	>5.5	>6.97
Limit Level									**<7.84**	**<7.80**	**>5.8**	**>7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-03	Round 1	E1	08:13	Surface	2.3	96.9	7.03	2.9	**7.00**	**6.92**	**6.0**	2.15
2018-Apr-03	Round 1	E1	08:13	Surface	2.5	96.9	7.03	2.9				
2018-Apr-03	Round 1	E1	08:13	Middle	2.0	96.2	6.97	4.8				
2018-Apr-03	Round 1	E1	08:13	Middle	1.8	96.2	6.97	4.8				
2018-Apr-03	Round 1	E1	08:13	Bottom	2.3	95.6	6.92	10.3				
2018-Apr-03	Round 1	E1	08:13	Bottom	2.0	95.6	6.92	10.3				
2018-Apr-03	Round 1	F1	09:25	Surface	2.3	96.6	6.96	4.7	**6.93**	**6.89**	5.5	2.98
2018-Apr-03	Round 1	F1	09:25	Surface	2.4	96.6	6.96	4.8				
2018-Apr-03	Round 1	F1	09:25	Middle	2.4	95.5	6.90	6.0				
2018-Apr-03	Round 1	F1	09:25	Middle	3.4	95.5	6.90	6.0				
2018-Apr-03	Round 1	F1	09:25	Bottom	3.1	95.3	6.89	5.8				
2018-Apr-03	Round 1	F1	09:25	Bottom	4.3	95.3	6.89	5.8				
2018-Apr-03	Round 1	B1	08:48	Surface	4.0	102.2	7.31	2.4	**7.29**	**7.20**	2.7	4.53
2018-Apr-03	Round 1	B1	08:48	Surface	3.9	102.2	7.31	2.4				
2018-Apr-03	Round 1	B1	08:48	Middle	5.3	101.4	7.27	2.7				
2018-Apr-03	Round 1	B1	08:48	Middle	3.9	101.4	7.27	2.7				
2018-Apr-03	Round 1	B1	08:48	Bottom	4.3	100.1	7.20	2.9				
2018-Apr-03	Round 1	B1	08:48	Bottom	5.8	100.1	7.20	2.9				
2018-Apr-03	Round 1	C2	09:07	Surface	5.0	96.4	6.98	3.6	**6.97**	**6.88**	5.1	6.63
2018-Apr-03	Round 1	C2	09:07	Surface	4.1	96.4	6.98	3.6				
2018-Apr-03	Round 1	C2	09:07	Middle	5.8	96.3	6.95	4.2				
2018-Apr-03	Round 1	C2	09:07	Middle	4.9	96.3	6.95	4.2				
2018-Apr-03	Round 1	C2	09:07	Bottom	9.1	95.4	6.88	7.5				
2018-Apr-03	Round 1	C2	09:07	Bottom	10.9	95.4	6.88	7.5				
2018-Apr-03	Round 1	C3	09:17	Surface	2.7	96.4	6.95	4.6	**6.93**	**6.86**	5.3	5.07
2018-Apr-03	Round 1	C3	09:17	Surface	4.2	96.4	6.95	4.6				
2018-Apr-03	Round 1	C3	09:17	Middle	6.1	95.6	6.90	5.2				
2018-Apr-03	Round 1	C3	09:17	Middle	5.1	95.6	6.90	5.2				
2018-Apr-03	Round 1	C3	09:17	Bottom	5.7	95.1	6.86	6.2				
2018-Apr-03	Round 1	C3	09:17	Bottom	6.6	95.1	6.86	6.2				
2018-Apr-03	Round 1	I3	08:36	Surface	2.5	97.1	6.99	3.3	**6.93**	**6.88**	5.1	2.55
2018-Apr-03	Round 1	I3	08:36	Surface	2.3	97.1	6.99	3.3				
2018-Apr-03	Round 1	I3	08:36	Middle	2.2	95.1	6.86	4.6				
2018-Apr-03	Round 1	I3	08:36	Middle	2.7	95.1	6.86	4.6				
2018-Apr-03	Round 1	I3	08:36	Bottom	2.7	95.3	6.88	7.3				
2018-Apr-03	Round 1	I3	08:36	Bottom	2.9	95.3	6.88	7.3				
2018-Apr-03	Round 1	I4	08:42	Surface	1.4	98.9	7.08	2.7	**6.96**	**6.82**	3.7	3.47
2018-Apr-03	Round 1	I4	08:42	Surface	1.5	98.9	7.08	2.7				
2018-Apr-03	Round 1	I4	08:42	Middle	4.5	94.4	6.83	3.7				
2018-Apr-03	Round 1	I4	08:42	Middle	5.4	94.4	6.83	3.7				
2018-Apr-03	Round 1	I4	08:42	Bottom	4.2	94.3	6.82	4.8				
2018-Apr-03	Round 1	I4	08:42	Bottom	3.8	94.3	6.82	4.8				
2018-Apr-03	Round 1	G1	08:32	Surface	2.1	96.8	6.97	3.1	**6.95**	**6.89**	3.5	2.90
2018-Apr-03	Round 1	G1	08:32	Surface	2.2	96.8	6.97	3.1				
2018-Apr-03	Round 1	G1	08:32	Middle	3.7	95.9	6.92	3.4				
2018-Apr-03	Round 1	G1	08:32	Middle	4.1	95.9	6.92	3.4				
2018-Apr-03	Round 1	G1	08:32	Bottom	2.9	95.4	6.89	4.0				
2018-Apr-03	Round 1	G1	08:32	Bottom	2.4	95.4	6.89	4.0				

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<7.88	<7.81	>5.5	>6.97
Limit Level									**<7.84**	**<7.80**	**>5.8**	**>7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-03	Round 2	E1	10:05	Surface	4.6	96.7	7.01	3.1	**7.04**	**6.95**	4.8	5.45
2018-Apr-03	Round 2	E1	10:05	Surface	5.4	96.7	7.01	3.1				
2018-Apr-03	Round 2	E1	10:05	Middle	7.0	97.7	7.06	4.0				
2018-Apr-03	Round 2	E1	10:05	Middle	5.2	97.7	7.06	4.0				
2018-Apr-03	Round 2	E1	10:05	Bottom	4.9	95.8	6.95	7.3				
2018-Apr-03	Round 2	E1	10:05	Bottom	5.6	95.8	6.95	7.3				
2018-Apr-03	Round 2	F1	11:17	Surface	1.0	97.5	7.01	3.9	**6.98**	**6.94**	4.3	4.33
2018-Apr-03	Round 2	F1	11:17	Surface	1.3	97.5	7.01	3.9				
2018-Apr-03	Round 2	F1	11:17	Middle	2.9	96.2	6.95	4.6				
2018-Apr-03	Round 2	F1	11:17	Middle	2.8	96.2	6.95	4.6				
2018-Apr-03	Round 2	F1	11:17	Bottom	8.1	96.1	6.94	4.5				
2018-Apr-03	Round 2	F1	11:17	Bottom	9.9	96.1	6.94	4.5				
2018-Apr-03	Round 2	B1	10:40	Surface	2.4	101.5	7.26	3.1	**7.14**	**6.94**	4.5	4.70
2018-Apr-03	Round 2	B1	10:40	Surface	1.6	101.5	7.26	3.1				
2018-Apr-03	Round 2	B1	10:40	Middle	3.5	97.7	7.02	4.9				
2018-Apr-03	Round 2	B1	10:40	Middle	3.8	97.7	7.02	4.9				
2018-Apr-03	Round 2	B1	10:40	Bottom	8.5	96.0	6.94	5.4				
2018-Apr-03	Round 2	B1	10:40	Bottom	8.4	96.0	6.94	5.4				
2018-Apr-03	Round 2	C2	10:59	Surface	4.0	97.4	7.00	3.9	**7.00**	**6.93**	3.8	3.42
2018-Apr-03	Round 2	C2	10:59	Surface	4.0	97.4	7.00	3.9				
2018-Apr-03	Round 2	C2	10:59	Middle	2.8	96.8	6.99	3.9				
2018-Apr-03	Round 2	C2	10:59	Middle	2.9	96.8	6.99	3.9				
2018-Apr-03	Round 2	C2	10:59	Bottom	2.6	96.2	6.93	3.7				
2018-Apr-03	Round 2	C2	10:59	Bottom	4.2	96.2	6.93	3.7				
2018-Apr-03	Round 2	C3	11:09	Surface	2.6	97.2	6.98	4.1	**6.97**	**6.86**	4.7	2.72
2018-Apr-03	Round 2	C3	11:09	Surface	2.2	97.2	6.98	4.1				
2018-Apr-03	Round 2	C3	11:09	Middle	3.2	96.3	6.95	4.3				
2018-Apr-03	Round 2	C3	11:09	Middle	2.7	96.3	6.95	4.3				
2018-Apr-03	Round 2	C3	11:09	Bottom	2.9	95.1	6.86	5.7				
2018-Apr-03	Round 2	C3	11:09	Bottom	2.7	95.1	6.86	5.7				
2018-Apr-03	Round 2	I3	10:27	Surface	1.0	96.4	6.95	3.6	**6.91**	**6.92**	4.6	2.53
2018-Apr-03	Round 2	I3	10:27	Surface	1.0	96.4	6.95	3.6				
2018-Apr-03	Round 2	I3	10:27	Middle	2.9	95.1	6.87	5.1				
2018-Apr-03	Round 2	I3	10:27	Middle	2.7	95.1	6.87	5.1				
2018-Apr-03	Round 2	I3	10:27	Bottom	3.9	95.8	6.92	5.2				
2018-Apr-03	Round 2	I3	10:27	Bottom	3.7	95.8	6.92	5.2				
2018-Apr-03	Round 2	I4	10:34	Surface	2.9	100.2	7.19	3.4	**7.10**	**7.05**	3.4	3.23
2018-Apr-03	Round 2	I4	10:34	Surface	2.7	100.2	7.19	3.4				
2018-Apr-03	Round 2	I4	10:34	Middle	4.0	97.1	7.00	3.3				
2018-Apr-03	Round 2	I4	10:34	Middle	3.4	97.1	7.00	3.3				
2018-Apr-03	Round 2	I4	10:34	Bottom	3.4	97.5	7.05	3.5				
2018-Apr-03	Round 2	I4	10:34	Bottom	3.0	97.5	7.05	3.5				
2018-Apr-03	Round 2	G1	10:22	Surface	2.4	96.5	6.95	2.9	**6.94**	**6.90**	3.6	1.53
2018-Apr-03	Round 2	G1	10:22	Surface	0.9	96.5	6.95	2.9				
2018-Apr-03	Round 2	G1	10:22	Middle	<0.5	96.0	6.93	3.6				
2018-Apr-03	Round 2	G1	10:22	Middle	<0.5	96.0	6.93	3.6				
2018-Apr-03	Round 2	G1	10:22	Bottom	1.5	95.5	6.90	4.2				
2018-Apr-03	Round 2	G1	10:22	Bottom	1.3	95.5	6.90	4.2				

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<u>7.88</u>	<u>7.81</u>	<u>5.5</u>	<u>6.97</u>
Limit Level									**7.84**	**7.80**	**5.8**	**7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-03	Round 3	E1	12:02	Surface	0.6	98.8	7.14	3.0	**7.10**	**6.96**	3.8	1.40
2018-Apr-03	Round 3	E1	12:02	Surface	0.7	98.8	7.14	3.0				
2018-Apr-03	Round 3	E1	12:02	Middle	1.7	97.6	7.06	3.6				
2018-Apr-03	Round 3	E1	12:02	Middle	2.3	97.6	7.06	3.6				
2018-Apr-03	Round 3	E1	12:02	Bottom	1.5	95.9	6.96	4.7				
2018-Apr-03	Round 3	E1	12:02	Bottom	1.6	95.9	6.96	4.7				
2018-Apr-03	Round 3	F1	13:11	Surface	2.2	96.5	6.95	6.4	**6.94**	**6.92**	**7.1**	2.77
2018-Apr-03	Round 3	F1	13:11	Surface	2.5	96.5	6.95	6.4				
2018-Apr-03	Round 3	F1	13:11	Middle	3.5	96.1	6.93	8.1				
2018-Apr-03	Round 3	F1	13:11	Middle	3.0	96.1	6.93	8.1				
2018-Apr-03	Round 3	F1	13:11	Bottom	2.7	95.9	6.92	6.7				
2018-Apr-03	Round 3	F1	13:11	Bottom	2.7	95.9	6.92	6.7				
2018-Apr-03	Round 3	B1	12:36	Surface	3.0	103.7	7.34	2.8	**7.28**	**7.12**	3.3	4.03
2018-Apr-03	Round 3	B1	12:36	Surface	4.6	103.7	7.34	2.8				
2018-Apr-03	Round 3	B1	12:36	Middle	4.2	101.5	7.21	3.2				
2018-Apr-03	Round 3	B1	12:36	Middle	3.2	101.5	7.21	3.2				
2018-Apr-03	Round 3	B1	12:36	Bottom	4.3	99.4	7.12	3.8				
2018-Apr-03	Round 3	B1	12:36	Bottom	4.9	99.4	7.12	3.8				
2018-Apr-03	Round 3	C2	12:55	Surface	4.0	97.4	7.02	3.7	**6.98**	**6.90**	4.5	4.18
2018-Apr-03	Round 3	C2	12:55	Surface	3.2	97.4	7.02	3.7				
2018-Apr-03	Round 3	C2	12:55	Middle	3.2	96.1	6.93	4.9				
2018-Apr-03	Round 3	C2	12:55	Middle	2.7	96.1	6.93	4.9				
2018-Apr-03	Round 3	C2	12:55	Bottom	7.0	95.7	6.90	4.9				
2018-Apr-03	Round 3	C2	12:55	Bottom	5.0	95.7	6.90	4.9				
2018-Apr-03	Round 3	C3	13:03	Surface	1.9	98.0	7.02	4.0	**6.99**	**6.94**	4.6	2.73
2018-Apr-03	Round 3	C3	13:03	Surface	1.5	98.0	7.02	4.0				
2018-Apr-03	Round 3	C3	13:03	Middle	3.0	96.4	6.95	5.6				
2018-Apr-03	Round 3	C3	13:03	Middle	2.7	96.4	6.95	5.6				
2018-Apr-03	Round 3	C3	13:03	Bottom	3.7	96.3	6.94	4.2				
2018-Apr-03	Round 3	C3	13:03	Bottom	3.6	96.3	6.94	4.2				
2018-Apr-03	Round 3	I3	12:23	Surface	0.8	97.2	6.99	3.6	**6.95**	**6.90**	4.5	2.30
2018-Apr-03	Round 3	I3	12:23	Surface	1.3	97.2	6.99	3.6				
2018-Apr-03	Round 3	I3	12:23	Middle	2.0	95.6	6.90	4.9				
2018-Apr-03	Round 3	I3	12:23	Middle	2.9	95.6	6.90	4.9				
2018-Apr-03	Round 3	I3	12:23	Bottom	2.4	95.6	6.90	5.1				
2018-Apr-03	Round 3	I3	12:23	Bottom	4.4	95.6	6.90	5.1				
2018-Apr-03	Round 3	I4	12:27	Surface	2.8	102.3	7.31	4.1	**7.21**	**7.00**	**6.4**	2.48
2018-Apr-03	Round 3	I4	12:27	Surface	2.4	102.3	7.31	4.1				
2018-Apr-03	Round 3	I4	12:27	Middle	2.3	98.9	7.11	5.4				
2018-Apr-03	Round 3	I4	12:27	Middle	2.1	98.9	7.11	5.4				
2018-Apr-03	Round 3	I4	12:27	Bottom	2.6	96.9	7.00	9.7				
2018-Apr-03	Round 3	I4	12:27	Bottom	2.7	96.9	7.00	9.7				
2018-Apr-03	Round 3	G1	12:19	Surface	2.7	98.1	7.03	3.1	**6.98**	**6.93**	5.2	3.18
2018-Apr-03	Round 3	G1	12:19	Surface	4.1	98.1	7.03	3.1				
2018-Apr-03	Round 3	G1	12:19	Middle	2.1	95.9	6.92	4.2				
2018-Apr-03	Round 3	G1	12:19	Middle	2.9	95.9	6.92	4.2				
2018-Apr-03	Round 3	G1	12:19	Bottom	3.6	96.0	6.93	8.3				
2018-Apr-03	Round 3	G1	12:19	Bottom	3.7	96.0	6.93	8.3				

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<u><7.88</u>	<u><7.81</u>	<u>>5.5</u>	<u>>6.97</u>
Limit Level									**<7.84**	**<7.80**	**>5.8**	**>7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-03	Round 4	E1	14:03	Surface	4.2	97.8	7.03	3.7	**6.99**	**6.88**	5.1	3.82
2018-Apr-03	Round 4	E1	14:03	Surface	4.0	97.8	7.03	3.7				
2018-Apr-03	Round 4	E1	14:03	Middle	4.5	96.0	6.95	4.5				
2018-Apr-03	Round 4	E1	14:03	Middle	3.2	96.0	6.95	4.5				
2018-Apr-03	Round 4	E1	14:03	Bottom	3.7	94.9	6.88	7.0				
2018-Apr-03	Round 4	E1	14:03	Bottom	3.3	94.9	6.88	7.0				
2018-Apr-03	Round 4	F1	15:13	Surface	2.5	97.9	7.01	4.6	**6.96**	**6.89**	**6.8**	4.07
2018-Apr-03	Round 4	F1	15:13	Surface	2.8	97.9	7.01	4.6				
2018-Apr-03	Round 4	F1	15:13	Middle	3.8	95.9	6.91	6.9				
2018-Apr-03	Round 4	F1	15:13	Middle	3.1	95.9	6.91	6.9				
2018-Apr-03	Round 4	F1	15:13	Bottom	5.8	95.5	6.89	9.0				
2018-Apr-03	Round 4	F1	15:13	Bottom	6.4	95.5	6.89	9.0				
2018-Apr-03	Round 4	B1	14:36	Surface	3.0	102.8	7.20	3.5	**7.23**	**7.12**	4.0	3.68
2018-Apr-03	Round 4	B1	14:36	Surface	2.3	102.8	7.20	3.5				
2018-Apr-03	Round 4	B1	14:36	Middle	2.1	101.1	7.26	4.0				
2018-Apr-03	Round 4	B1	14:36	Middle	2.1	101.1	7.26	4.0				
2018-Apr-03	Round 4	B1	14:36	Bottom	5.0	99.1	7.12	4.4				
2018-Apr-03	Round 4	B1	14:36	Bottom	7.6	99.1	7.12	4.4				
2018-Apr-03	Round 4	C2	14:57	Surface	2.2	97.9	7.03	3.2	**7.01**	**6.93**	3.7	2.55
2018-Apr-03	Round 4	C2	14:57	Surface	3.1	97.9	7.03	3.2				
2018-Apr-03	Round 4	C2	14:57	Middle	2.2	96.8	6.98	3.6				
2018-Apr-03	Round 4	C2	14:57	Middle	2.7	96.8	6.98	3.6				
2018-Apr-03	Round 4	C2	14:57	Bottom	2.8	95.8	6.93	4.3				
2018-Apr-03	Round 4	C2	14:57	Bottom	2.3	95.8	6.93	4.3				
2018-Apr-03	Round 4	C3	15:06	Surface	<0.5	98.4	7.07	3.4	**7.06**	**6.98**	3.9	3.50
2018-Apr-03	Round 4	C3	15:06	Surface	1.3	98.4	7.07	3.4				
2018-Apr-03	Round 4	C3	15:06	Middle	3.7	98.0	7.05	4.0				
2018-Apr-03	Round 4	C3	15:06	Middle	3.3	98.0	7.05	4.0				
2018-Apr-03	Round 4	C3	15:06	Bottom	4.1	97.0	6.98	4.3				
2018-Apr-03	Round 4	C3	15:06	Bottom	5.1	97.0	6.98	4.3				
2018-Apr-03	Round 4	I3	14:25	Surface	1.3	98.3	7.05	3.5	**7.00**	**6.94**	4.4	1.77
2018-Apr-03	Round 4	I3	14:25	Surface	1.5	98.3	7.05	3.5				
2018-Apr-03	Round 4	I3	14:25	Middle	1.6	96.2	6.94	4.7				
2018-Apr-03	Round 4	I3	14:25	Middle	1.4	96.2	6.94	4.7				
2018-Apr-03	Round 4	I3	14:25	Bottom	2.6	96.2	6.94	5.0				
2018-Apr-03	Round 4	I3	14:25	Bottom	2.2	96.2	6.94	5.0				
2018-Apr-03	Round 4	I4	14:32	Surface	1.8	106.3	7.46	3.0	**7.42**	**6.91**	4.6	2.28
2018-Apr-03	Round 4	I4	14:32	Surface	1.5	106.3	7.46	3.0				
2018-Apr-03	Round 4	I4	14:32	Middle	2.1	102.8	7.37	4.4				
2018-Apr-03	Round 4	I4	14:32	Middle	2.9	102.8	7.37	4.4				
2018-Apr-03	Round 4	I4	14:32	Bottom	2.7	95.4	6.89	6.2				
2018-Apr-03	Round 4	I4	14:32	Bottom	2.7	95.7	6.92	6.3				
2018-Apr-03	Round 4	G1	14:21	Surface	4.0	101.1	7.14	3.3	**7.04**	**6.88**	4.7	3.23
2018-Apr-03	Round 4	G1	14:21	Surface	4.2	101.1	7.14	3.3				
2018-Apr-03	Round 4	G1	14:21	Middle	2.3	96.1	6.93	4.8				
2018-Apr-03	Round 4	G1	14:21	Middle	3.0	96.1	6.93	4.8				
2018-Apr-03	Round 4	G1	14:21	Bottom	2.1	95.4	6.88	5.9				
2018-Apr-03	Round 4	G1	14:21	Bottom	3.8	95.4	6.88	5.9				

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<u>>7.88</u>	<u>>7.81</u>	<u>>5.5</u>	<u>>6.97</u>
Limit Level									**>7.84**	**>7.80**	**>5.8**	**>7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-03	Round 5	E1	16:12	Surface	1.2	98.0	6.99	4.0	**6.93**	**6.83**	**6.6**	1.86
2018-Apr-03	Round 5	E1	16:12	Surface	0.8	98.0	6.99	4.0				
2018-Apr-03	Round 5	E1	16:12	Middle	1.5	94.6	6.87	7.1				
2018-Apr-03	Round 5	E1	16:12	Middle	<0.5	94.6	6.87	7.1				
2018-Apr-03	Round 5	E1	16:12	Bottom	2.3	94.3	6.83	8.6				
2018-Apr-03	Round 5	E1	16:12	Bottom	3.5	94.3	6.83	8.6				
2018-Apr-03	Round 5	F1	17:21	Surface	2.6	98.9	7.09	4.0	**7.04**	**6.93**	5.4	2.95
2018-Apr-03	Round 5	F1	17:21	Surface	3.2	98.9	7.09	4.0				
2018-Apr-03	Round 5	F1	17:21	Middle	2.6	97.5	6.99	7.6				
2018-Apr-03	Round 5	F1	17:21	Middle	3.4	97.5	6.99	7.6				
2018-Apr-03	Round 5	F1	17:21	Bottom	2.6	96.3	6.93	4.5				
2018-Apr-03	Round 5	F1	17:21	Bottom	3.3	96.3	6.93	4.5				
2018-Apr-03	Round 5	B1	16:46	Surface	2.2	105.6	7.33	5.4	**7.31**	**7.20**	**8.4**	4.52
2018-Apr-03	Round 5	B1	16:46	Surface	3.2	105.6	7.33	5.4				
2018-Apr-03	Round 5	B1	16:46	Middle	6.2	101.5	7.28	8.3				
2018-Apr-03	Round 5	B1	16:46	Middle	5.3	101.5	7.28	8.3				
2018-Apr-03	Round 5	B1	16:46	Bottom	5.7	100.0	7.20	11.6				
2018-Apr-03	Round 5	B1	16:46	Bottom	4.5	100.0	7.20	11.6				
2018-Apr-03	Round 5	C2	17:05	Surface	9.1	98.7	7.06	3.0	**7.04**	**6.91**	3.2	**9.73**
2018-Apr-03	Round 5	C2	17:05	Surface	10.5	98.7	7.06	3.0				
2018-Apr-03	Round 5	C2	17:05	Middle	8.8	97.5	7.01	3.1				
2018-Apr-03	Round 5	C2	17:05	Middle	8.6	97.5	7.01	3.1				
2018-Apr-03	Round 5	C2	17:05	Bottom	10.0	95.5	6.91	3.6				
2018-Apr-03	Round 5	C2	17:05	Bottom	11.4	95.5	6.91	3.6				
2018-Apr-03	Round 5	C3	17:15	Surface	6.2	98.3	7.06	3.8	**7.02**	**6.93**	4.5	**7.55**
2018-Apr-03	Round 5	C3	17:15	Surface	5.1	98.3	7.06	3.8				
2018-Apr-03	Round 5	C3	17:15	Middle	7.1	96.8	6.98	4.5				
2018-Apr-03	Round 5	C3	17:15	Middle	4.8	96.8	6.98	4.5				
2018-Apr-03	Round 5	C3	17:15	Bottom	10.6	96.1	6.93	5.1				
2018-Apr-03	Round 5	C3	17:15	Bottom	11.5	96.1	6.93	5.1				
2018-Apr-03	Round 5	I3	16:31	Surface	2.3	106.7	7.50	2.8	**7.42**	**7.15**	3.2	3.22
2018-Apr-03	Round 5	I3	16:31	Surface	3.1	106.7	7.50	2.8				
2018-Apr-03	Round 5	I3	16:31	Middle	3.3	102.6	7.33	3.6				
2018-Apr-03	Round 5	I3	16:31	Middle	2.4	102.6	7.33	3.6				
2018-Apr-03	Round 5	I3	16:31	Bottom	3.3	99.2	7.15	3.3				
2018-Apr-03	Round 5	I3	16:31	Bottom	4.9	99.2	7.15	3.3				
2018-Apr-03	Round 5	I4	16:38	Surface	3.2	108.4	7.59	2.7	**7.49**	**7.06**	3.3	2.60
2018-Apr-03	Round 5	I4	16:38	Surface	2.0	108.4	7.59	2.7				
2018-Apr-03	Round 5	I4	16:38	Middle	2.3	103.5	7.38	3.0				
2018-Apr-03	Round 5	I4	16:38	Middle	2.2	103.5	7.38	3.0				
2018-Apr-03	Round 5	I4	16:38	Bottom	2.4	97.8	7.06	4.1				
2018-Apr-03	Round 5	I4	16:38	Bottom	3.5	97.8	7.06	4.1				
2018-Apr-03	Round 5	G1	16:28	Surface	2.1	102.9	7.28	2.8	**7.25**	**6.96**	3.7	4.37
2018-Apr-03	Round 5	G1	16:28	Surface	2.3	102.9	7.28	2.8				
2018-Apr-03	Round 5	G1	16:28	Middle	2.4	100.8	7.21	3.0				
2018-Apr-03	Round 5	G1	16:28	Middle	2.3	100.8	7.21	3.0				
2018-Apr-03	Round 5	G1	16:28	Bottom	8.4	96.5	6.96	5.3				
2018-Apr-03	Round 5	G1	16:28	Bottom	8.7	96.5	6.96	5.3				

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<u><7.88</u>	<u><7.81</u>	<u>>5.5</u>	<u>>6.97</u>
Limit Level									**<7.84**	**<7.80**	**>5.8**	**>7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-03	Round 6	E1	18:00	Surface	5.7	96.5	6.97	4.0	**6.95**	**6.89**	<u>5.6</u>	6.77
2018-Apr-03	Round 6	E1	18:00	Surface	6.5	96.5	6.97	4.0				
2018-Apr-03	Round 6	E1	18:00	Middle	5.1	95.6	6.93	6.6				
2018-Apr-03	Round 6	E1	18:00	Middle	6.9	95.6	6.93	6.6				
2018-Apr-03	Round 6	E1	18:00	Bottom	8.8	95.2	6.89	6.2				
2018-Apr-03	Round 6	E1	18:00	Bottom	7.6	95.2	6.89	6.2				
2018-Apr-03	Round 6	F1	19:09	Surface	5.9	97.9	7.00	4.3	**6.96**	**6.86**	<u>5.8</u>	6.25
2018-Apr-03	Round 6	F1	19:09	Surface	6.5	97.9	7.00	4.3				
2018-Apr-03	Round 6	F1	19:09	Middle	7.1	96.1	6.92	6.2				
2018-Apr-03	Round 6	F1	19:09	Middle	5.7	96.1	6.92	6.2				
2018-Apr-03	Round 6	F1	19:09	Bottom	6.1	95.2	6.86	6.9				
2018-Apr-03	Round 6	F1	19:09	Bottom	6.2	95.2	6.86	6.9				
2018-Apr-03	Round 6	B1	18:32	Surface	6.4	109.9	7.62	2.9	**7.51**	**7.10**	4.3	5.62
2018-Apr-03	Round 6	B1	18:32	Surface	6.0	109.9	7.62	2.9				
2018-Apr-03	Round 6	B1	18:32	Middle	6.0	105.1	7.39	3.8				
2018-Apr-03	Round 6	B1	18:32	Middle	5.7	105.1	7.39	3.8				
2018-Apr-03	Round 6	B1	18:32	Bottom	4.7	98.6	7.10	6.2				
2018-Apr-03	Round 6	B1	18:32	Bottom	4.9	98.7	7.10	6.0				
2018-Apr-03	Round 6	C2	18:50	Surface	5.8	95.8	6.88	3.1	**6.91**	**6.86**	3.8	5.18
2018-Apr-03	Round 6	C2	18:50	Surface	5.7	95.8	6.89	3.1				
2018-Apr-03	Round 6	C2	18:50	Middle	4.5	96.2	6.93	3.7				
2018-Apr-03	Round 6	C2	18:50	Middle	4.7	96.2	6.93	3.7				
2018-Apr-03	Round 6	C2	18:50	Bottom	5.5	95.1	6.86	4.5				
2018-Apr-03	Round 6	C2	18:50	Bottom	4.9	95.1	6.86	4.5				
2018-Apr-03	Round 6	C3	19:01	Surface	2.3	99.4	7.12	3.0	**7.10**	**6.95**	3.6	2.30
2018-Apr-03	Round 6	C3	19:01	Surface	2.1	99.4	7.12	3.0				
2018-Apr-03	Round 6	C3	19:01	Middle	2.0	98.6	7.07	3.8				
2018-Apr-03	Round 6	C3	19:01	Middle	2.4	98.6	7.07	3.8				
2018-Apr-03	Round 6	C3	19:01	Bottom	2.9	96.6	6.95	3.9				
2018-Apr-03	Round 6	C3	19:01	Bottom	2.1	96.6	6.95	3.9				
2018-Apr-03	Round 6	I3	18:19	Surface	8.7	103.2	7.31	2.9	**7.17**	**7.01**	3.2	**10.28**
2018-Apr-03	Round 6	I3	18:19	Surface	10.0	103.2	7.31	2.9				
2018-Apr-03	Round 6	I3	18:19	Middle	8.2	97.6	7.03	3.5				
2018-Apr-03	Round 6	I3	18:19	Middle	9.1	97.4	7.03	3.6				
2018-Apr-03	Round 6	I3	18:19	Bottom	13.1	97.2	7.01	3.2				
2018-Apr-03	Round 6	I3	18:19	Bottom	12.6	97.2	7.01	3.2				
2018-Apr-03	Round 6	I4	18:26	Surface	3.7	105.6	7.46	3.0	**7.32**	**7.09**	3.8	5.08
2018-Apr-03	Round 6	I4	18:26	Surface	4.7	105.6	7.46	3.0				
2018-Apr-03	Round 6	I4	18:26	Middle	4.8	100.2	7.19	3.8				
2018-Apr-03	Round 6	I4	18:26	Middle	4.8	99.9	7.17	3.9				
2018-Apr-03	Round 6	I4	18:26	Bottom	5.5	98.2	7.09	4.4				
2018-Apr-03	Round 6	I4	18:26	Bottom	7.0	98.2	7.09	4.4				
2018-Apr-03	Round 6	G1	18:16	Surface	6.4	100.9	7.16	3.3	**7.06**	**6.89**	**6.0**	**7.52**
2018-Apr-03	Round 6	G1	18:16	Surface	6.0	100.9	7.16	3.3				
2018-Apr-03	Round 6	G1	18:16	Middle	5.3	96.7	6.96	4.3				
2018-Apr-03	Round 6	G1	18:16	Middle	6.0	96.7	6.96	4.3				
2018-Apr-03	Round 6	G1	18:16	Bottom	10.7	95.5	6.89	10.3				
2018-Apr-03	Round 6	G1	18:16	Bottom	10.7	95.5	6.89	10.3				

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<7.88	<7.81	>5.5	>6.97
Limit Level									**<7.84**	**<7.80**	**>5.8**	**>7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-04	Round 1	E1	08:02	Surface	2.8	98.1	7.07	3.2	**7.05**	**6.97**	**7.8**	2.68
2018-Apr-04	Round 1	E1	08:02	Surface	2.6	98.1	7.07	3.2				
2018-Apr-04	Round 1	E1	08:02	Middle	2.3	97.5	7.02	6.4				
2018-Apr-04	Round 1	E1	08:02	Middle	2.4	97.5	7.02	6.4				
2018-Apr-04	Round 1	E1	08:02	Bottom	2.8	97.0	6.97	13.7				
2018-Apr-04	Round 1	E1	08:02	Bottom	3.2	97.0	6.97	13.7				
2018-Apr-04	Round 1	F1	09:18	Surface	3.0	97.3	7.00	4.0	**6.98**	**6.93**	5.7	6.52
2018-Apr-04	Round 1	F1	09:18	Surface	2.5	97.3	7.00	4.0				
2018-Apr-04	Round 1	F1	09:18	Middle	7.0	96.6	6.96	6.5				
2018-Apr-04	Round 1	F1	09:18	Middle	6.0	96.6	6.96	6.5				
2018-Apr-04	Round 1	F1	09:18	Bottom	11.0	96.1	6.93	6.7				
2018-Apr-04	Round 1	F1	09:18	Bottom	9.6	96.1	6.93	6.7				
2018-Apr-04	Round 1	B1	08:40	Surface	3.2	102.5	7.32	2.6	**7.30**	**7.19**	2.8	2.80
2018-Apr-04	Round 1	B1	08:40	Surface	2.4	102.5	7.32	2.6				
2018-Apr-04	Round 1	B1	08:40	Middle	2.2	101.8	7.28	2.8				
2018-Apr-04	Round 1	B1	08:40	Middle	3.3	101.8	7.28	2.8				
2018-Apr-04	Round 1	B1	08:40	Bottom	3.4	100.5	7.19	2.9				
2018-Apr-04	Round 1	B1	08:40	Bottom	2.3	100.5	7.19	2.9				
2018-Apr-04	Round 1	C2	09:00	Surface	2.6	96.8	6.98	3.1	**6.97**	**6.92**	3.6	2.53
2018-Apr-04	Round 1	C2	09:00	Surface	2.1	96.8	6.98	3.1				
2018-Apr-04	Round 1	C2	09:00	Middle	2.1	96.6	6.96	3.6				
2018-Apr-04	Round 1	C2	09:00	Middle	2.5	96.6	6.96	3.6				
2018-Apr-04	Round 1	C2	09:00	Bottom	3.6	96.0	6.92	4.0				
2018-Apr-04	Round 1	C2	09:00	Bottom	2.3	96.0	6.92	4.0				
2018-Apr-04	Round 1	C3	09:10	Surface	2.5	96.6	6.95	4.0	**6.93**	**6.87**	**6.0**	3.63
2018-Apr-04	Round 1	C3	09:10	Surface	2.2	96.6	6.95	4.0				
2018-Apr-04	Round 1	C3	09:10	Middle	3.2	95.8	6.90	6.0				
2018-Apr-04	Round 1	C3	09:10	Middle	4.2	95.8	6.90	6.0				
2018-Apr-04	Round 1	C3	09:10	Bottom	4.2	95.2	6.86	8.1				
2018-Apr-04	Round 1	C3	09:10	Bottom	5.5	95.2	6.87	8.1				
2018-Apr-04	Round 1	I3	08:26	Surface	1.6	96.6	6.91	3.3	**6.87**	**6.93**	3.9	2.25
2018-Apr-04	Round 1	I3	08:26	Surface	1.5	96.6	6.91	3.3				
2018-Apr-04	Round 1	I3	08:26	Middle	2.2	94.9	6.82	3.9				
2018-Apr-04	Round 1	I3	08:26	Middle	2.3	94.9	6.82	3.9				
2018-Apr-04	Round 1	I3	08:26	Bottom	2.7	96.1	6.92	4.5				
2018-Apr-04	Round 1	I3	08:26	Bottom	3.2	96.2	6.93	4.3				
2018-Apr-04	Round 1	I4	08:33	Surface	2.1	100.4	7.17	2.8	**6.99**	**6.92**	3.6	3.17
2018-Apr-04	Round 1	I4	08:33	Surface	2.2	100.3	7.16	2.8				
2018-Apr-04	Round 1	I4	08:33	Middle	3.3	94.7	6.82	3.8				
2018-Apr-04	Round 1	I4	08:33	Middle	4.7	94.7	6.82	3.8				
2018-Apr-04	Round 1	I4	08:33	Bottom	3.2	95.9	6.92	4.1				
2018-Apr-04	Round 1	I4	08:33	Bottom	3.5	95.9	6.92	4.1				
2018-Apr-04	Round 1	G1	08:21	Surface	1.1	97.2	6.96	3.1	**6.90**	**6.79**	**6.1**	1.93
2018-Apr-04	Round 1	G1	08:21	Surface	1.5	97.2	6.96	3.1				
2018-Apr-04	Round 1	G1	08:21	Middle	2.2	94.9	6.84	4.4				
2018-Apr-04	Round 1	G1	08:21	Middle	2.2	94.9	6.84	4.4				
2018-Apr-04	Round 1	G1	08:21	Bottom	2.3	94.2	6.79	10.7				
2018-Apr-04	Round 1	G1	08:21	Bottom	2.3	94.2	6.79	10.7				

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<7.88	<7.81	>5.5	>6.97
Limit Level									**<7.84**	**<7.80**	**>5.8**	**>7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-04	Round 2	E1	10:03	Surface	1.4	99.7	7.14	2.5	**7.14**	**7.03**	5.3	2.27
2018-Apr-04	Round 2	E1	10:03	Surface	1.8	99.7	7.14	2.5				
2018-Apr-04	Round 2	E1	10:03	Middle	2.1	99.2	7.13	3.5				
2018-Apr-04	Round 2	E1	10:03	Middle	2.7	99.2	7.13	3.5				
2018-Apr-04	Round 2	E1	10:03	Bottom	2.1	98.1	7.03	9.9				
2018-Apr-04	Round 2	E1	10:03	Bottom	3.5	98.1	7.03	9.9				
2018-Apr-04	Round 2	F1	11:16	Surface	3.6	97.2	6.99	4.7	**6.98**	**6.95**	5.3	3.85
2018-Apr-04	Round 2	F1	11:16	Surface	2.7	97.2	6.99	4.7				
2018-Apr-04	Round 2	F1	11:16	Middle	4.1	96.9	6.97	5.7				
2018-Apr-04	Round 2	F1	11:16	Middle	4.2	96.9	6.97	5.7				
2018-Apr-04	Round 2	F1	11:16	Bottom	4.2	96.5	6.95	5.6				
2018-Apr-04	Round 2	F1	11:16	Bottom	4.3	96.5	6.95	5.6				
2018-Apr-04	Round 2	B1	10:38	Surface	2.9	100.9	7.18	3.2	**7.02**	**6.72**	**5.9**	4.05
2018-Apr-04	Round 2	B1	10:38	Surface	3.4	100.9	7.18	3.2				
2018-Apr-04	Round 2	B1	10:38	Middle	3.5	95.8	6.85	5.3				
2018-Apr-04	Round 2	B1	10:38	Middle	2.2	95.8	6.85	5.3				
2018-Apr-04	Round 2	B1	10:38	Bottom	6.9	93.3	6.72	9.1				
2018-Apr-04	Round 2	B1	10:38	Bottom	5.4	93.3	6.72	9.1				
2018-Apr-04	Round 2	C2	10:58	Surface	3.6	97.8	7.03	3.0	**7.04**	**6.96**	2.8	3.68
2018-Apr-04	Round 2	C2	10:58	Surface	4.6	97.8	7.03	3.0				
2018-Apr-04	Round 2	C2	10:58	Middle	3.9	98.0	7.04	2.8				
2018-Apr-04	Round 2	C2	10:58	Middle	3.0	98.0	7.04	2.8				
2018-Apr-04	Round 2	C2	10:58	Bottom	4.0	96.8	6.96	2.7				
2018-Apr-04	Round 2	C2	10:58	Bottom	3.0	96.8	6.96	2.7				
2018-Apr-04	Round 2	C3	11:09	Surface	3.1	96.9	6.98	4.8	**6.98**	**6.93**	4.7	3.73
2018-Apr-04	Round 2	C3	11:09	Surface	4.1	96.9	6.98	4.8				
2018-Apr-04	Round 2	C3	11:09	Middle	4.0	97.0	6.98	4.5				
2018-Apr-04	Round 2	C3	11:09	Middle	3.0	97.0	6.98	4.5				
2018-Apr-04	Round 2	C3	11:09	Bottom	4.2	96.3	6.93	4.8				
2018-Apr-04	Round 2	C3	11:09	Bottom	4.0	96.3	6.93	4.8				
2018-Apr-04	Round 2	I3	10:23	Surface	2.5	96.4	6.91	3.6	**6.87**	**6.81**	4.1	3.02
2018-Apr-04	Round 2	I3	10:23	Surface	2.3	96.4	6.91	3.6				
2018-Apr-04	Round 2	I3	10:23	Middle	4.0	94.6	6.82	4.1				
2018-Apr-04	Round 2	I3	10:23	Middle	2.9	94.6	6.82	4.1				
2018-Apr-04	Round 2	I3	10:23	Bottom	3.4	94.4	6.81	4.6				
2018-Apr-04	Round 2	I3	10:23	Bottom	3.0	94.4	6.81	4.6				
2018-Apr-04	Round 2	I4	10:30	Surface	2.6	101.8	7.25	2.7	**7.17**	**7.09**	2.9	3.50
2018-Apr-04	Round 2	I4	10:30	Surface	2.3	101.8	7.25	2.7				
2018-Apr-04	Round 2	I4	10:30	Middle	2.3	98.6	7.09	2.9				
2018-Apr-04	Round 2	I4	10:30	Middle	2.2	98.6	7.09	2.9				
2018-Apr-04	Round 2	I4	10:30	Bottom	5.9	98.3	7.09	3.0				
2018-Apr-04	Round 2	I4	10:30	Bottom	5.7	98.3	7.09	3.0				
2018-Apr-04	Round 2	G1	10:19	Surface	1.0	96.3	6.93	3.6	**6.89**	**6.85**	3.7	1.82
2018-Apr-04	Round 2	G1	10:19	Surface	1.2	96.3	6.93	3.6				
2018-Apr-04	Round 2	G1	10:19	Middle	1.8	95.1	6.85	4.0				
2018-Apr-04	Round 2	G1	10:19	Middle	1.5	95.1	6.85	4.0				
2018-Apr-04	Round 2	G1	10:19	Bottom	2.8	95.0	6.85	3.5				
2018-Apr-04	Round 2	G1	10:19	Bottom	2.6	95.0	6.85	3.5				

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<u><7.88</u>	<u><7.81</u>	<u>>5.5</u>	<u>>6.97</u>
Limit Level									**<7.84**	**<7.80**	**>5.8**	**>7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-04	Round 3	E1	12:03	Surface	3.6	99.8	7.17	3.1	**7.12**	**7.02**	5.5	4.38
2018-Apr-04	Round 3	E1	12:03	Surface	2.9	99.8	7.17	3.1				
2018-Apr-04	Round 3	E1	12:03	Middle	3.2	98.2	7.06	6.7				
2018-Apr-04	Round 3	E1	12:03	Middle	3.9	98.2	7.06	6.7				
2018-Apr-04	Round 3	E1	12:03	Bottom	5.9	97.9	7.02	6.7				
2018-Apr-04	Round 3	E1	12:03	Bottom	6.8	97.9	7.02	6.7				
2018-Apr-04	Round 3	F1	13:13	Surface	3.8	98.4	7.03	3.7	**7.01**	**6.90**	5.0	3.92
2018-Apr-04	Round 3	F1	13:13	Surface	2.2	98.4	7.03	3.7				
2018-Apr-04	Round 3	F1	13:13	Middle	4.9	97.3	6.99	4.9				
2018-Apr-04	Round 3	F1	13:13	Middle	3.9	97.3	6.99	4.9				
2018-Apr-04	Round 3	F1	13:13	Bottom	4.5	95.9	6.90	6.5				
2018-Apr-04	Round 3	F1	13:13	Bottom	4.2	95.9	6.90	6.5				
2018-Apr-04	Round 3	B1	12:36	Surface	1.6	104.9	7.39	2.8	**7.32**	**7.16**	3.4	1.55
2018-Apr-04	Round 3	B1	12:36	Surface	1.8	104.9	7.39	2.8				
2018-Apr-04	Round 3	B1	12:36	Middle	1.4	102.4	7.25	3.5				
2018-Apr-04	Round 3	B1	12:36	Middle	1.8	102.4	7.25	3.5				
2018-Apr-04	Round 3	B1	12:36	Bottom	1.6	100.1	7.16	4.0				
2018-Apr-04	Round 3	B1	12:36	Bottom	1.1	100.1	7.16	4.0				
2018-Apr-04	Round 3	C2	12:55	Surface	2.6	98.4	7.03	3.3	**6.99**	**6.89**	4.7	3.52
2018-Apr-04	Round 3	C2	12:55	Surface	2.3	98.4	7.03	3.4				
2018-Apr-04	Round 3	C2	12:55	Middle	4.4	96.6	6.95	4.6				
2018-Apr-04	Round 3	C2	12:55	Middle	3.5	96.6	6.95	4.6				
2018-Apr-04	Round 3	C2	12:55	Bottom	4.7	95.7	6.89	6.2				
2018-Apr-04	Round 3	C2	12:55	Bottom	3.6	95.7	6.89	6.2				
2018-Apr-04	Round 3	C3	13:05	Surface	2.8	99.1	7.07	3.0	**7.03**	**6.91**	4.1	3.27
2018-Apr-04	Round 3	C3	13:05	Surface	2.4	99.1	7.07	3.0				
2018-Apr-04	Round 3	C3	13:05	Middle	2.3	97.1	6.98	4.0				
2018-Apr-04	Round 3	C3	13:05	Middle	2.3	97.1	6.98	4.0				
2018-Apr-04	Round 3	C3	13:05	Bottom	4.7	95.9	6.91	5.3				
2018-Apr-04	Round 3	C3	13:05	Bottom	5.1	95.9	6.91	5.3				
2018-Apr-04	Round 3	I3	12:22	Surface	1.8	97.7	7.00	3.1	**6.96**	**6.89**	3.8	2.30
2018-Apr-04	Round 3	I3	12:22	Surface	1.8	97.7	7.00	3.1				
2018-Apr-04	Round 3	I3	12:22	Middle	1.7	95.9	6.91	4.0				
2018-Apr-04	Round 3	I3	12:22	Middle	1.8	95.9	6.91	4.0				
2018-Apr-04	Round 3	I3	12:22	Bottom	3.8	95.5	6.88	4.3				
2018-Apr-04	Round 3	I3	12:22	Bottom	2.9	95.6	6.89	4.2				
2018-Apr-04	Round 3	I4	12:29	Surface	1.1	105.0	7.46	3.8	**7.36**	**7.19**	3.3	2.03
2018-Apr-04	Round 3	I4	12:29	Surface	1.4	105.0	7.46	3.8				
2018-Apr-04	Round 3	I4	12:29	Middle	2.7	101.3	7.26	2.9				
2018-Apr-04	Round 3	I4	12:29	Middle	2.2	101.3	7.26	2.9				
2018-Apr-04	Round 3	I4	12:29	Bottom	2.2	99.8	7.19	3.3				
2018-Apr-04	Round 3	I4	12:29	Bottom	2.6	99.8	7.19	3.3				
2018-Apr-04	Round 3	G1	12:18	Surface	1.4	100.8	7.09	2.9	**6.98**	**6.84**	4.6	2.02
2018-Apr-04	Round 3	G1	12:18	Surface	1.3	100.8	7.09	2.9				
2018-Apr-04	Round 3	G1	12:18	Middle	2.5	95.2	6.86	4.1				
2018-Apr-04	Round 3	G1	12:18	Middle	2.6	95.2	6.86	4.1				
2018-Apr-04	Round 3	G1	12:18	Bottom	2.2	94.9	6.84	6.9				
2018-Apr-04	Round 3	G1	12:18	Bottom	2.1	94.9	6.84	6.9				

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<u>7.88</u>	<u>7.81</u>	<u>5.5</u>	<u>6.97</u>
Limit Level									**7.84**	**7.80**	**5.8**	**7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-04	Round 4	E1	14:00	Surface	4.9	99.8	7.12	3.3	**7.09**	**6.99**	5.5	4.30
2018-Apr-04	Round 4	E1	14:00	Surface	4.1	99.8	7.12	3.4				
2018-Apr-04	Round 4	E1	14:00	Middle	4.8	98.0	7.05	5.9				
2018-Apr-04	Round 4	E1	14:00	Middle	3.5	98.0	7.05	5.9				
2018-Apr-04	Round 4	E1	14:00	Bottom	4.7	97.5	6.99	7.2				
2018-Apr-04	Round 4	E1	14:00	Bottom	3.8	97.5	6.99	7.2				
2018-Apr-04	Round 4	F1	15:13	Surface	2.8	99.0	7.08	4.5	**7.04**	**6.89**	5.2	4.00
2018-Apr-04	Round 4	F1	15:13	Surface	2.1	99.0	7.08	4.5				
2018-Apr-04	Round 4	F1	15:13	Middle	3.9	97.6	7.00	4.5				
2018-Apr-04	Round 4	F1	15:13	Middle	4.2	97.6	7.00	4.5				
2018-Apr-04	Round 4	F1	15:13	Bottom	5.1	95.9	6.89	6.7				
2018-Apr-04	Round 4	F1	15:13	Bottom	5.9	95.9	6.89	6.7				
2018-Apr-04	Round 4	B1	14:35	Surface	1.2	105.2	7.43	3.4	**7.35**	**6.99**	4.7	2.43
2018-Apr-04	Round 4	B1	14:35	Surface	1.8	105.2	7.43	3.4				
2018-Apr-04	Round 4	B1	14:35	Middle	2.3	101.1	7.26	4.3				
2018-Apr-04	Round 4	B1	14:35	Middle	2.5	101.1	7.26	4.3				
2018-Apr-04	Round 4	B1	14:35	Bottom	3.8	97.4	6.99	6.4				
2018-Apr-04	Round 4	B1	14:35	Bottom	3.0	97.4	6.99	6.4				
2018-Apr-04	Round 4	C2	14:56	Surface	1.0	101.1	7.19	2.8	**7.15**	**6.98**	3.9	1.93
2018-Apr-04	Round 4	C2	14:56	Surface	1.3	101.1	7.19	2.8				
2018-Apr-04	Round 4	C2	14:56	Middle	1.4	99.0	7.10	3.8				
2018-Apr-04	Round 4	C2	14:56	Middle	1.7	99.0	7.10	3.8				
2018-Apr-04	Round 4	C2	14:56	Bottom	2.8	97.0	6.98	5.2				
2018-Apr-04	Round 4	C2	14:56	Bottom	3.4	97.0	6.98	5.2				
2018-Apr-04	Round 4	C3	15:06	Surface	3.3	101.8	7.23	2.7	**7.18**	**7.04**	2.8	3.45
2018-Apr-04	Round 4	C3	15:06	Surface	2.9	101.7	7.23	2.7				
2018-Apr-04	Round 4	C3	15:06	Middle	2.6	99.9	7.13	2.9				
2018-Apr-04	Round 4	C3	15:06	Middle	3.5	99.9	7.13	2.9				
2018-Apr-04	Round 4	C3	15:06	Bottom	4.6	98.5	7.04	2.9				
2018-Apr-04	Round 4	C3	15:06	Bottom	3.8	98.5	7.04	2.9				
2018-Apr-04	Round 4	I3	14:23	Surface	3.1	101.4	7.19	3.0	**7.11**	**6.98**	3.8	2.65
2018-Apr-04	Round 4	I3	14:23	Surface	2.4	101.4	7.19	3.0				
2018-Apr-04	Round 4	I3	14:23	Middle	2.3	97.9	7.03	3.6				
2018-Apr-04	Round 4	I3	14:23	Middle	2.2	97.9	7.03	3.6				
2018-Apr-04	Round 4	I3	14:23	Bottom	3.6	96.9	6.98	4.7				
2018-Apr-04	Round 4	I3	14:23	Bottom	2.3	96.9	6.98	4.7				
2018-Apr-04	Round 4	I4	14:29	Surface	2.4	108.0	7.57	2.6	**7.43**	**7.30**	3.2	2.95
2018-Apr-04	Round 4	I4	14:29	Surface	2.1	108.0	7.57	2.6				
2018-Apr-04	Round 4	I4	14:29	Middle	2.4	102.2	7.29	3.4				
2018-Apr-04	Round 4	I4	14:29	Middle	2.4	102.2	7.29	3.4				
2018-Apr-04	Round 4	I4	14:29	Bottom	4.5	101.4	7.30	3.5				
2018-Apr-04	Round 4	I4	14:29	Bottom	3.9	101.4	7.30	3.5				
2018-Apr-04	Round 4	G1	14:19	Surface	3.4	101.0	7.15	3.2	**7.08**	**7.01**	3.9	2.77
2018-Apr-04	Round 4	G1	14:19	Surface	2.3	101.0	7.15	3.2				
2018-Apr-04	Round 4	G1	14:19	Middle	2.8	97.4	7.00	4.0				
2018-Apr-04	Round 4	G1	14:19	Middle	2.7	97.4	7.00	4.0				
2018-Apr-04	Round 4	G1	14:19	Bottom	2.5	97.3	7.01	4.4				
2018-Apr-04	Round 4	G1	14:19	Bottom	2.9	97.3	7.01	4.4				

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<u>≤7.88</u>	<u>≤7.81</u>	<u>≥5.5</u>	<u>≥6.97</u>
Limit Level									**≤7.84**	**≤7.80**	**≥5.8**	**≥7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-04	Round 5	E1	16:04	Surface	1.3	100.9	7.17	2.9	**7.10**	**6.91**	4.3	1.75
2018-Apr-04	Round 5	E1	16:04	Surface	1.2	100.9	7.17	2.9				
2018-Apr-04	Round 5	E1	16:04	Middle	1.9	97.6	7.02	3.7				
2018-Apr-04	Round 5	E1	16:04	Middle	1.4	97.6	7.02	3.7				
2018-Apr-04	Round 5	E1	16:04	Bottom	2.4	96.1	6.91	6.3				
2018-Apr-04	Round 5	E1	16:04	Bottom	2.3	96.1	6.91	6.3				
2018-Apr-04	Round 5	F1	17:14	Surface	1.2	100.7	7.18	3.4	**7.11**	**6.95**	4.2	1.37
2018-Apr-04	Round 5	F1	17:14	Surface	1.5	100.7	7.18	3.4				
2018-Apr-04	Round 5	F1	17:14	Middle	1.1	98.5	7.04	4.6				
2018-Apr-04	Round 5	F1	17:14	Middle	1.0	98.4	7.04	4.2				
2018-Apr-04	Round 5	F1	17:14	Bottom	1.8	96.7	6.95	4.9				
2018-Apr-04	Round 5	F1	17:14	Bottom	1.6	96.7	6.95	4.9				
2018-Apr-04	Round 5	B1	16:38	Surface	0.8	110.0	7.68	2.9	**7.51**	**7.29**	3.4	3.10
2018-Apr-04	Round 5	B1	16:38	Surface	<0.5	110.0	7.68	2.9				
2018-Apr-04	Round 5	B1	16:38	Middle	4.3	104.7	7.34	3.6				
2018-Apr-04	Round 5	B1	16:38	Middle	3.7	104.7	7.34	3.6				
2018-Apr-04	Round 5	B1	16:38	Bottom	3.4	101.7	7.29	3.8				
2018-Apr-04	Round 5	B1	16:38	Bottom	3.3	101.7	7.29	3.8				
2018-Apr-04	Round 5	C2	16:57	Surface	3.3	101.8	7.24	3.4	**7.16**	**6.98**	3.8	3.27
2018-Apr-04	Round 5	C2	16:57	Surface	2.9	101.8	7.24	3.4				
2018-Apr-04	Round 5	C2	16:57	Middle	3.7	98.6	7.07	3.3				
2018-Apr-04	Round 5	C2	16:57	Middle	3.2	98.6	7.07	3.3				
2018-Apr-04	Round 5	C2	16:57	Bottom	3.4	97.0	6.98	4.6				
2018-Apr-04	Round 5	C2	16:57	Bottom	3.1	97.0	6.98	4.6				
2018-Apr-04	Round 5	C3	17:07	Surface	1.4	101.2	7.22	3.2	**7.16**	**7.05**	3.7	1.73
2018-Apr-04	Round 5	C3	17:07	Surface	1.2	101.2	7.22	3.2				
2018-Apr-04	Round 5	C3	17:07	Middle	1.6	99.0	7.09	4.2				
2018-Apr-04	Round 5	C3	17:07	Middle	1.1	99.0	7.09	4.2				
2018-Apr-04	Round 5	C3	17:07	Bottom	2.6	98.3	7.05	3.8				
2018-Apr-04	Round 5	C3	17:07	Bottom	2.5	98.3	7.05	3.8				
2018-Apr-04	Round 5	I3	16:24	Surface	1.4	105.0	7.40	2.8	**7.31**	**7.09**	3.3	1.38
2018-Apr-04	Round 5	I3	16:24	Surface	1.2	105.0	7.40	2.8				
2018-Apr-04	Round 5	I3	16:24	Middle	1.4	101.5	7.21	3.4				
2018-Apr-04	Round 5	I3	16:24	Middle	1.6	101.5	7.21	3.4				
2018-Apr-04	Round 5	I3	16:24	Bottom	1.5	98.5	7.09	3.8				
2018-Apr-04	Round 5	I3	16:24	Bottom	1.2	98.5	7.09	3.8				
2018-Apr-04	Round 5	I4	16:31	Surface	0.6	107.1	7.44	2.9	**7.24**	**7.00**	4.2	0.94
2018-Apr-04	Round 5	I4	16:31	Surface	<0.5	107.1	7.44	2.9				
2018-Apr-04	Round 5	I4	16:31	Middle	1.5	99.5	7.03	4.1				
2018-Apr-04	Round 5	I4	16:31	Middle	1.2	99.5	7.03	4.1				
2018-Apr-04	Round 5	I4	16:31	Bottom	0.8	97.1	7.00	5.6				
2018-Apr-04	Round 5	I4	16:31	Bottom	0.6	97.1	7.00	5.6				
2018-Apr-04	Round 5	G1	16:20	Surface	1.7	103.2	7.31	2.9	**7.27**	**7.10**	3.9	2.15
2018-Apr-04	Round 5	G1	16:20	Surface	1.0	103.2	7.31	2.9				
2018-Apr-04	Round 5	G1	16:20	Middle	3.4	101.1	7.22	3.9				
2018-Apr-04	Round 5	G1	16:20	Middle	2.3	101.1	7.22	3.9				
2018-Apr-04	Round 5	G1	16:20	Bottom	2.2	98.5	7.10	4.8				
2018-Apr-04	Round 5	G1	16:20	Bottom	2.3	98.5	7.10	4.8				

					TSS (mg/L)	DO Saturation (%)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Surface and Mid-depth Dissolved Oxygen (mg/L)	Bottom Dissolved Oxygen (mg/L)	Depth-Averaged Turbidity (NTU)	Depth-Averaged SS (mg/L)
Action Level									<u>≤7.88</u>	<u>≤7.81</u>	<u>>5.5</u>	<u>>6.97</u>
Limit Level									**<7.84**	**<7.80**	**>5.8**	**>7.22**

Red dot to the left of data point indicates trigger of Limit Level. Values also shown in bold.
Yellow dot to the left of data point indicates trigger of Action Level. Values also underlined.
Green dot to the left of data point indicates no exceedance.

Date	Round	Station	Time	Level								
2018-Apr-04	Round 6	E1	18:03	Surface	<0.5	99.9	7.14	3.6	**7.10**	**6.99**	4.5	1.58
2018-Apr-04	Round 6	E1	18:03	Surface	<0.5	99.9	7.14	3.6				
2018-Apr-04	Round 6	E1	18:03	Middle	1.4	98.1	7.06	4.8				
2018-Apr-04	Round 6	E1	18:03	Middle	1.4	98.1	7.06	4.8				
2018-Apr-04	Round 6	E1	18:03	Bottom	1.6	97.1	6.99	5.1				
2018-Apr-04	Round 6	E1	18:03	Bottom	1.9	97.1	6.99	5.1				
2018-Apr-04	Round 6	F1	19:15	Surface	6.6	98.9	7.07	4.4	**7.05**	**6.99**	**7.0**	5.68
2018-Apr-04	Round 6	F1	19:15	Surface	6.1	98.9	7.07	4.4				
2018-Apr-04	Round 6	F1	19:15	Middle	6.1	97.7	7.02	6.2				
2018-Apr-04	Round 6	F1	19:15	Middle	5.1	97.7	7.02	6.2				
2018-Apr-04	Round 6	F1	19:15	Bottom	4.9	97.3	6.99	10.5				
2018-Apr-04	Round 6	F1	19:15	Bottom	5.3	97.3	6.99	10.5				
2018-Apr-04	Round 6	B1	18:38	Surface	3.4	111.5	7.75	3.8	**7.57**	**7.19**	<u>5.6</u>	5.75
2018-Apr-04	Round 6	B1	18:38	Surface	4.0	111.5	7.75	3.8				
2018-Apr-04	Round 6	B1	18:38	Middle	7.4	105.0	7.39	5.6				
2018-Apr-04	Round 6	B1	18:38	Middle	7.7	105.0	7.39	5.6				
2018-Apr-04	Round 6	B1	18:38	Bottom	6.0	100.3	7.19	7.3				
2018-Apr-04	Round 6	B1	18:38	Bottom	6.0	100.3	7.19	7.3				
2018-Apr-04	Round 6	C2	18:57	Surface	2.3	98.4	7.04	3.8	**7.00**	**6.90**	4.4	2.80
2018-Apr-04	Round 6	C2	18:57	Surface	2.3	98.4	7.04	3.8				
2018-Apr-04	Round 6	C2	18:57	Middle	2.1	96.6	6.95	4.7				
2018-Apr-04	Round 6	C2	18:57	Middle	3.1	96.6	6.95	4.7				
2018-Apr-04	Round 6	C2	18:57	Bottom	4.0	95.8	6.90	4.8				
2018-Apr-04	Round 6	C2	18:57	Bottom	3.0	95.8	6.90	4.8				
2018-Apr-04	Round 6	C3	19:06	Surface	1.1	101.0	7.21	3.2	**7.17**	**7.02**	3.8	2.18
2018-Apr-04	Round 6	C3	19:06	Surface	1.7	101.0	7.21	3.2				
2018-Apr-04	Round 6	C3	19:06	Middle	2.2	99.9	7.12	3.7				
2018-Apr-04	Round 6	C3	19:06	Middle	3.6	99.9	7.12	3.7				
2018-Apr-04	Round 6	C3	19:06	Bottom	2.2	97.8	7.02	4.6				
2018-Apr-04	Round 6	C3	19:06	Bottom	2.3	97.8	7.02	4.6				
2018-Apr-04	Round 6	I3	18:25	Surface	1.8	102.1	7.23	3.5	**7.12**	**7.05**	4.8	2.68
2018-Apr-04	Round 6	I3	18:25	Surface	1.4	102.1	7.23	3.5				
2018-Apr-04	Round 6	I3	18:25	Middle	2.7	97.7	7.01	5.1				
2018-Apr-04	Round 6	I3	18:25	Middle	3.0	97.7	7.01	5.1				
2018-Apr-04	Round 6	I3	18:25	Bottom	3.3	98.0	7.05	5.9				
2018-Apr-04	Round 6	I3	18:25	Bottom	3.9	98.0	7.05	5.9				
2018-Apr-04	Round 6	I4	18:32	Surface	0.9	108.5	7.59	2.9	**7.42**	**7.12**	3.6	1.52
2018-Apr-04	Round 6	I4	18:32	Surface	1.1	108.5	7.59	2.9				
2018-Apr-04	Round 6	I4	18:32	Middle	1.1	101.6	7.25	3.8				
2018-Apr-04	Round 6	I4	18:32	Middle	1.1	101.6	7.25	3.8				
2018-Apr-04	Round 6	I4	18:32	Bottom	2.6	99.2	7.12	4.2				
2018-Apr-04	Round 6	I4	18:32	Bottom	2.3	99.2	7.12	4.2				
2018-Apr-04	Round 6	G1	18:21	Surface	1.2	101.2	7.17	3.1	**7.09**	**6.91**	3.6	1.83
2018-Apr-04	Round 6	G1	18:21	Surface	1.0	101.2	7.17	3.1				
2018-Apr-04	Round 6	G1	18:21	Middle	1.2	97.7	7.01	3.5				
2018-Apr-04	Round 6	G1	18:21	Middle	1.8	97.7	7.01	3.5				
2018-Apr-04	Round 6	G1	18:21	Bottom	3.2	95.9	6.91	4.2				
2018-Apr-04	Round 6	G1	18:21	Bottom	2.6	95.9	6.91	4.2				

ERM has over 140 offices Across the following countries and territories worldwide

Argentina
Australia
Belgium
Brazil
Canada
China
Colombia
France
Germany
Hong Kong
Hungary
India
Indonesia
Ireland
Italy
Japan
Kazakhstan
Malaysia
Mexico
The Netherlands
New Zealand
Panama
Peru
Poland
Portugal
Puerto Rico
Romania
Russia
Singapore
South Africa
South Korea
Spain
Sweden
Taiwan
Thailand
United Arab Emirates
UK
US
Vietnam

Environmental Resources Management
16/F, Berkshire House
25 Westlands Road
Quarry Bay, Hong Kong
T: 2271 3000
F: 2723 5660

www.erm.com