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Capco 青山發電有限公司 Castle Peak Power Company Limited

HK Electric 港燈 130+ 推動永續未 Powering for Sustainability

HKLTL

Hong Kong Offshore LNG Terminal Project

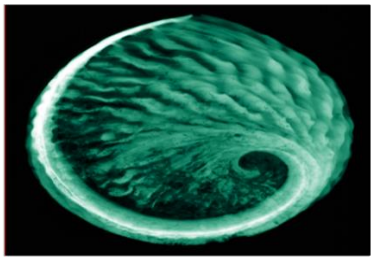
Water Quality Monitoring Report for the First Year of Operation of the LNG Terminal – July 2023 to June 2024

DATE
22 July 2024

PROJECT NO.
0505354







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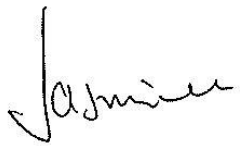
Hong Kong Offshore LNG Terminal Project

Water Quality Monitoring Report for the First Year of Operation of the LNG Terminal – July 2023 to June 2024

0505354



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Hong Kong Offshore LNG Terminal
Environmental Certification Sheet
FEP-01/558/2018/A, FEP-02/558/2018/A and FEP-03/558/2018/B

Reference Document/Plan

Document/~~Plan~~ to be Certified/ Verified:	Water Quality Monitoring Report for First Year of Operation of the LNG Terminal – July 2023 to June 2024
Date of Report:	22 July 2024
Date prepared by ET:	22 July 2024
Date received by IEC:	23 July 2024

Reference EP Requirement

EP Condition:	Condition No. 5.1 of FEP-01/558/2018/A, FEP-02/558/2018/A & FEP-03/558/2018/B

The Permit Holder shall implement the EM&A programme in accordance with the procedures and requirements as set out in the Updated EM&A Manual.

ET Certification

I hereby certify that the above referenced document/~~plan~~ complies with the above referenced condition of FEP-01/558/2018/A, FEP-02/558/2018/A & FEP-03/558/2018/B.

Mr Raymond Chow,
Environmental Team Leader:  Date: 22 July 2024

IEC Verification

I hereby verify that the above referenced document/~~plan~~ complies with the above referenced condition of FEP-01/558/2018/A, FEP-02/558/2018/A & FEP-03/558/2018/B.

Ms Lydia Chak,
Independent Environmental Checker:  Date: 1 August 2024

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EXECUTIVE SUMMARY

To support the increased use of natural gas in Hong Kong from 2020 onwards, Castle Peak Power Company Limited (CAPCO) and The Hongkong Electric Co., Ltd. (HK Electric) have identified that the development of an offshore liquefied natural gas (LNG) receiving terminal in Hong Kong using Floating Storage and Regasification Unit (FSRU) technology ('the Project') presents a viable additional gas supply option that will provide energy security through access to competitive gas supplies from world markets. The Project involves the construction and operation of an offshore LNG import facility to be located in the southern waters of Hong Kong, a double berth jetty, and subsea pipelines that connect to the gas receiving stations (GRS) at the Black Point Power Station (BPPS) and the Lamma Power Station (LPS). The Project commenced operation on 3 July 2023. In accordance with the *Updated Environmental Monitoring and Audit (EM&A) Manual* of the Project, operation phase water quality monitoring is undertaken during the first year of operation for the Project. This is the water quality monitoring report presenting the operation phase water quality monitoring carried out between July 2023 and June 2024.

During the reporting period, operation phase water quality monitoring was conducted at three monitoring locations once per week for 51 sessions from 6 July 2023 to 27 June 2024. There were no Project-related Action and Limit Level exceedances for the operation phase water quality monitoring in the reporting period. Overall, deterioration of water quality and indirect impacts at water and ecological sensitive receivers were not detected. The operation of the Project did not result in unacceptable water quality impacts to the nearby water and ecological sensitive receivers, which aligns with the EIA study predictions.

There were no environmental complaints, notification of summons and successful prosecutions recorded for the operation of the Project in the reporting period.

The monitoring activities conducted in the reporting period have been reviewed and are considered effective. As such, no change to the monitoring methodology is recommended. Based on the EM&A findings for the reporting period, the environmental performance for the operation of the Project is generally in line with the EIA predictions and considered acceptable. No further operation phase water quality monitoring is considered necessary for the EM&A programme. The EM&A programme for the Project is completed.

1. INTRODUCTION

1.1 BACKGROUND

To support the increased use of natural gas in Hong Kong from 2020 onwards, Castle Peak Power Company Limited (CAPCO) and The Hongkong Electric Co., Ltd. (HK Electric) have identified that the development of an offshore liquefied natural gas (LNG) receiving terminal in Hong Kong using Floating Storage and Regasification Unit (FSRU) technology ('the Project') presents a viable additional gas supply option that will provide energy security through access to competitive gas supplies from world markets. The Project involves the construction and operation of an offshore LNG import facility to be located in the southern waters of Hong Kong, a double berth jetty, and subsea pipelines that connect to the gas receiving stations (GRS) at the Black Point Power Station (BPPS) and the Lamma Power Station (LPS).

The Environmental Impact Assessment (EIA) Report for the Project was submitted to the Environmental Protection Department (EPD) of the HKSAR Government in May 2018. The EIA Report (EIAO Register No. AEIAR-218/2018) was approved by EPD and the associated Environmental Permit (EP) (EP-558/2018) was issued in October 2018.

An application for Further Environmental Permits (FEPs) were made on 24 December 2019 to demarcate the works between the different parties. The following FEPs were issued on 17 January 2020 and the EP under EP-558/2018 was surrendered on 5 March 2020.

- the double berth jetty at LNG Terminal under the Hong Kong LNG Terminal Limited (HKLTL), joint venture between CAPCO and HK Electric (FEP-01/558/2018/A) [(1)] – construction commenced on 27 November 2020;
- the subsea gas pipeline for the BPPS and the associated GRS in the BPPS under CAPCO (FEP-03/558/2018/B) [(2)] – construction commenced on 23 September 2020; and
- the subsea gas pipeline for the LPS and the associated GRS in the LPS under HK Electric (FEP-02/558/2018/A) [(3)] – construction commenced on 13 December 2020.

The location of these components is shown in ***Figure 1.1***.

The Project commenced operation on 3 July 2023. This is the report for the operation phase water quality monitoring for the LNG Terminal which summarises the key monitoring results for the reporting period of July 2023 to June 2024 in accordance with the *Updated EM&A Manual* of the Project.

1.2 STRUCTURE OF THE REPORT

The remainder of the report is structured as follows:

(1) Application for variation of an environmental permit for FEP-01/558/2018 was undertaken and the latest FEP (FEP-01/558/2018/A) was issued on 6 November 2020.
(2) Application for variation of an environmental permit for FEP-03/558/2018/A was undertaken and the latest FEP (FEP-03/558/2018/B) was issued on 25 August 2021.
(3) Application for variation of an environmental permit for FEP-02/558/2018 was undertaken and the latest FEP (FEP-02/558/2018/A) was issued on 22 December 2020.

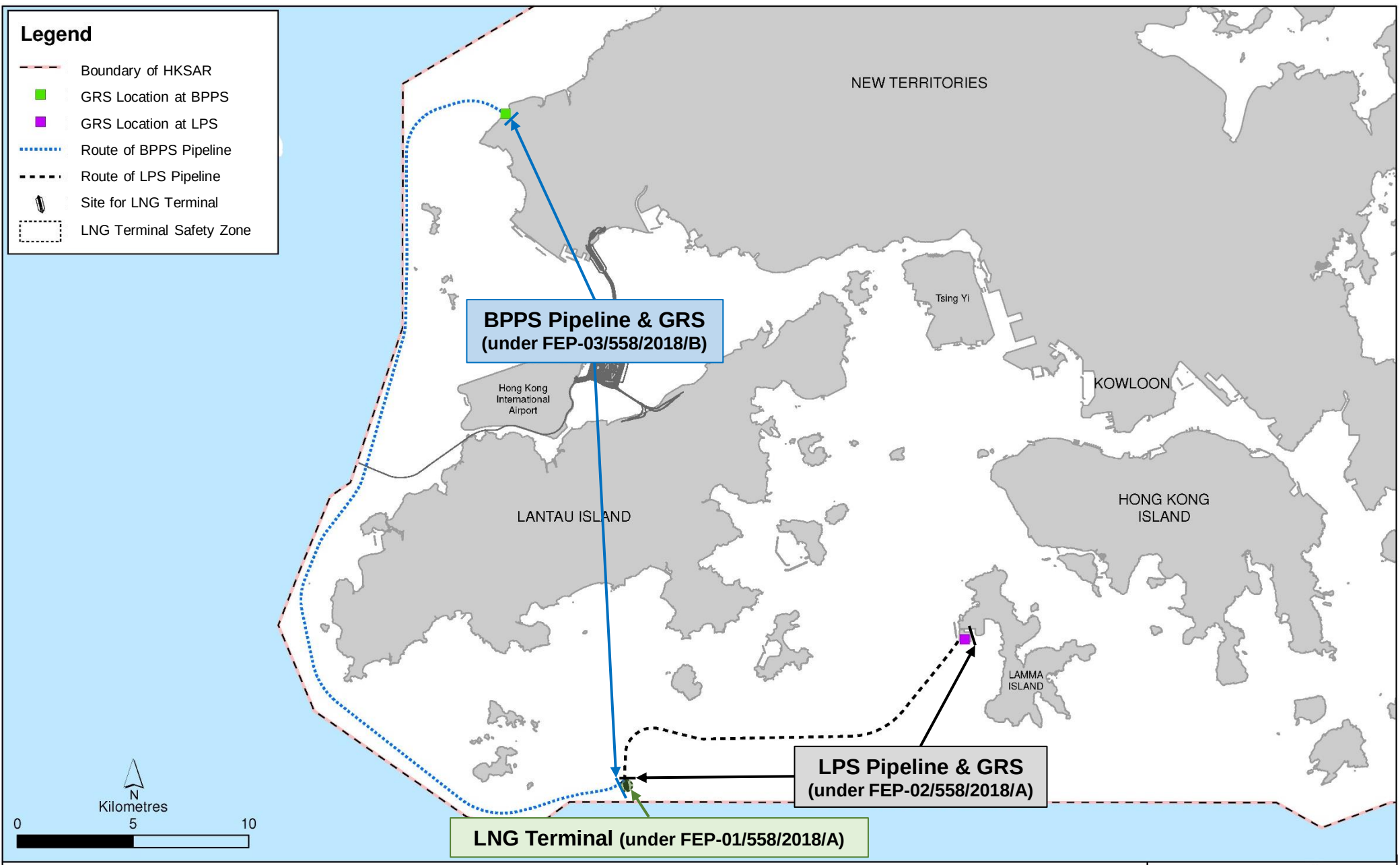

Figure 1.1

Indicative Location of Key Project Components

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Date: March 2024

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- ***Section 2*** details the monitoring locations, monitoring methodology, QA/QC requirements, and the monitoring results;
- ***Section 3*** provides the conclusion of this operation phase water quality monitoring.

2. OPERATIONAL PHASE WATER QUALITY MONITORING

In accordance with the *Updated EM&A Manual* of the Project, operation phase water quality monitoring would be conducted once a week for one year after operation of the LNG Terminal. Details of the operation phase water quality monitoring under this Project are presented in the following sections.

2.1 MONITORING LOCATIONS

Operation phase water quality monitoring was conducted at 3 monitoring stations around the LNG Terminal, comprising 1 sensitive receiver station, 1 ebb-tide control station and 1 flood-tide control station. The locations of the monitoring stations are presented in ***Figure 2.1***. The coordinates and description of monitoring stations are summarised in ***Table 2.1***.

TABLE 2.1 LOCATION OF WATER QUALITY MONITORING STATIONS

Station	Easting	Northing	Description
IM6	814073	802029	Boundary of South Lantau Marine Park
E2	813367	808213	Control Station for Ebb Tide
F3	815032	801161	Control Station for Flood Tide

2.2 MONITORING METHODOLOGY

2.2.1 MONITORING PARAMETERS AND FREQUENCY

The parameters that have been selected for measurement *in situ* and in the laboratory are those that were either determined in the EIA to be those with the highest potential to be affected by the Project or are a standard check on water quality conditions. ***Table 2.2*** summarises the monitoring parameters, monitoring period and frequencies of the water quality monitoring. The measurement of monitoring parameters followed the standard methods and detection limit requirements as stated in *Table 5.2* of the *Updated EM&A Manual*.

TABLE 2.2 WATER QUALITY MONITORING PARAMETERS AND FREQUENCY

Monitoring Station	Parameters	Depth	Frequency and Replication
Sensitive Receiver Station IM6 Control Stations Ebb tide - E2 Flood tide - F3	• Dissolved Oxygen (DO) (mg/L) • Dissolved Oxygen Saturation (DOS) (%) • Temperature (°C) • pH • Turbidity (NTU) • Salinity (ppt) • Water depth (m) • Total Residual Chlorine (TRC) (mg/L) • Suspended Solid (SS) (mg/L) • Total Inorganic Nitrogen (TIN) (mg/L) • 5-day Biochemical Oxygen Demand (BOD_5) (mg/L)	• Three water depths: 1 m below sea surface, mid-depth and 1 m above seabed. • If the water depth is less than 3 m, mid-depth sampling only. • If water depth less than 6 m, mid-depth would be omitted.	• First year of operation water quality monitoring: one day per week, at mid-flood and mid-ebb tides, for one year upon the commencement of operation of the LNG Terminal. The interval between two sets of monitoring shall not be less than 36 hours. • Two replicates of *in-situ* measurements and water samples at each depth at each station.

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

2.2.2 MONITORING EQUIPMENT

Table 2.3 summarises the equipment used in the monitoring works. All the monitoring equipment complied with the requirements as set out in the *Updated EM&A Manual*.

TABLE 2.3 WATER QUALITY MONITORING EQUIPMENT

Equipment	Brand and Model
Water Sampling Equipment	SBE 32 Carousel Water Sampler YSI 6820 V2-M Sonde
Positioning Device	C-Nav GcGPS Positioning System NovAtel PwrPak7D Hemisphere Vector V500
Water Depth Gauge	Knudsen 320M Single Beam Echo Sounder Kongsberg EA440
Equipment for Dissolved Oxygen, Temperature, Turbidity, pH and Salinity measurements	YSI 6820, S/N: MPP46, MPP57, MPP22, MPP16, MPP15, MPP45 YSI 6920, S/N: MPP30 (Note 1)
Total Residual Chlorine	Hanna Instruments (Model HI761)
Equipment for Current Velocity and Direction measurements	Workhorse Sentinel ADCP, Self-contained 600 and 1,200 kHz Teledyne RDI Workhorse Sentinel ADCP

Note 1:
MPP46 was deployed for the monitoring conducted between 6 July 2023 and 20 May 2024, except the period between 31 July 2023 and 15 February 2024;
MPP57 was deployed for the monitoring conducted between 31 July 2023 and 31 January 2024, except the period between 9 September 2023 and 26 January 2024;
MPP22 was deployed for the monitoring conducted between 9 September 2023 and 3 October 2023;
MPP30 was deployed for the monitoring conducted between 12 October and 23 November 2023;
MPP16 was deployed for the monitoring conducted between 29 November and 15 February 2024, except 31 January and 8 February 2024;
MPP15 was deployed for the monitoring conducted on 8 February 2024;
MPP45 was deployed for the monitoring conducted between 3 June 2024 and 27 June 2024;

2.2.3 OPERATIONAL/ ANALYTICAL PROCEDURES

At each monitoring station, two consecutive measurements of DO level, DO Saturation, Temperature, Turbidity, Salinity and pH were taken at each sampling depth. Where the difference in the value between the first and second readings of each set was more than 25% of the value of the first reading, the reading was discarded, and further readings were taken. Two water samples were collected for laboratory analysis of SS, TIN and BOD_5. Following sample collection, water samples were stored in high density polythene bottles (1L) with no preservatives added, packed in ice (cooled to 4°C without being frozen) and kept in dark during both on-site temporary storage and transfer to the testing laboratory. The samples were delivered to the laboratory as soon as possible and the laboratory determination works started within 24 hours after collection of the water samples.

The testing of SS, TIN and BOD_5 for all monitoring stations was conducted by a Hong Kong Laboratory Accreditation Scheme (HOKLAS) accredited laboratory, ALS Technichem (HK) Pty

Ltd. (HOKLAS Registration No. 066). Comprehensive quality assurance and control procedures were in place in order to ensure quality and consistency in results.

2.2.4 ACTION AND LIMIT LEVELS FOR MARINE WATER QUALITY MONITORING

The Action and Limit Levels for operation phase water quality monitoring have been established with reference to *Table 5.5 of the Updated EM&A Manual*. Action and Limit Levels of key assessment parameters for operation phase marine water quality monitoring are summarised in ***Table 2.4*** which have been agreed with EPD.

TABLE 2.4 ACTION AND LIMIT LEVELS FOR OPERATION PHASE WATER QUALITY MONITORING

Parameters	Action Level	Limit Level
First-year Operation Phase Water Quality Monitoring		
DO in mg L^{-1} [a]	Surface and Middle 4.0 mg L^{-1} Bottom 2.2 mg L^{-1}	Surface and Middle 3.0 mg L^{-1} Bottom 1.5 mg L^{-1}
Water Temperature in °C (Depth-averaged [b]) [c]	± 1.5 °C of baseline data, and ± 1.5 °C of the relevant control station's water temperature at the same tide of the same day	± 2.0 °C of baseline data, and ± 2.0 °C of the relevant control station's water temperature at the same tide of the same day
Turbidity in NTU (Depth-averaged [b]) [c]	18.3 NTU, and 120% of the relevant control station's turbidity at the same tide of the same day	30.8 NTU, and 130% of the relevant control station's turbidity at the same tide of the same day
SS in mg L^{-1} (Depth-averaged [b]) [c]	17.5 mg L^{-1}, and 120% of the relevant control station's SS at the same tide of the same day	29.5 mg L^{-1}, and 130% of the relevant control station's SS at the same tide of the same day
TIN in mg L^{-1} (Depth-averaged [b]) [c]	0.5 mg L^{-1}, and 120% of the relevant control station's TIN at the same tide of the same day	0.8 mg L^{-1}, and 130% of the relevant control station's TIN at the same tide of the same day
BOD_5 in mg L^{-1} (Depth-averaged [b]) [c]	1.9 mg L^{-1}, and 120% of the relevant control station's BOD5 at the same tide of the same day	2.8 mg L^{-1}, and 130% of the relevant control station's BOD5 at the same tide of the same day
TRC in mg L^{-1} (Depth-averaged [b]) [c]	0.02 mg L^{-1}	0.02 mg L^{-1}

Notes:
a. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
b. "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.
c. For water temperature, salinity, SS, turbidity, BOD_5, TIN and TRC, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

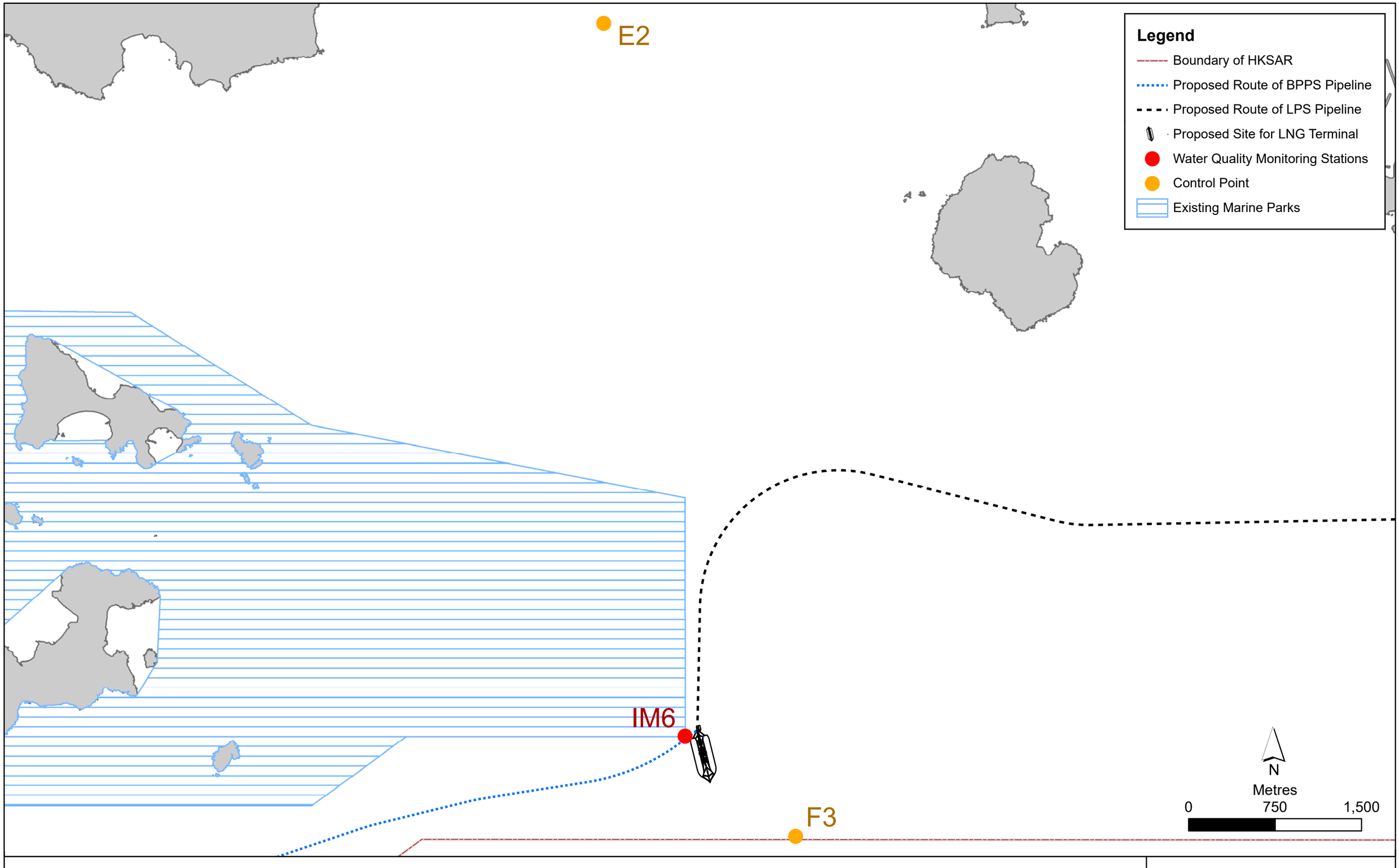

Figure 2.1

Water Quality Monitoring Locations

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The Event and Action Plan for operation phase water quality monitoring is provided in ***Table 2.5***.

TABLE 2.5 EVENT AND ACTION PLAN FOR OPERATION PHASE WATER QUALITY MONITORING

Event	Action			
	ET	IEC	Contractor(s)	Project Proponents
Action Level being exceeded by one sampling day	1. Repeat *in-situ* measurement to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s) and Project Proponents.	1. Check monitoring data submitted by ET and Contractor(s)'s working methods.	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice.	1. Confirm receipt of notification of exceedance in writing.
Action Level being exceeded by two or more consecutive sampling days	1. Repeat *in-situ* measurement to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s) and Project Proponents; 5. Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.	1. Check monitoring data submitted by ET and Contractor(s)'s working methods; 2. Discuss with ET and Contractor(s) on additional mitigation measures and advise Project Proponents accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice; 3. Consider changes of working methods; 4. Discuss with ET and IEC on additional mitigation measures and propose them to Project Proponents within 3 working days; 5. Implement the agreed mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented; 3. Ensure additional mitigation measures are properly implemented.

Event	Action			
	ET	IEC	Contractor(s)	Project Proponents
Limit Level being exceeded by one sampling day	1. Repeat *in situ* measurement to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s), Project Proponents and EPD; 5. Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.	1. Check monitoring data submitted by ET and Contractor(s)'s working methods; 2. Discuss with ET and Contractor(s) on additional mitigation measures and advise Project Proponents accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice; 3. Critically review the need to change working methods; 4. Discuss with ET and IEC on additional mitigation measures and propose them to Project Proponents within 3 working days; 5. Implement the agreed mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented; 3. Ensure additional mitigation measures are properly implemented; 4. Request Contractor(s) to critically review the working methods.
Limit Level being exceeded by two or more consecutive sampling days	1. Repeat *in situ* measurement to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s), Project Proponents and EPD; 5. Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.	1. Check monitoring data submitted by ET and Contractor(s)'s working methods; 2. Discuss with ET and Contractor(s) on additional mitigation measures and advise Project Proponents accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice; 3. Critically review the need to change working methods; 4. Discuss with ET and IEC on additional mitigation measures and propose them to Project Proponents within 3 working days; 5. Implement the agreed mitigation measures; 6. As directed by Project Proponents, slow down or stop all or part of the marine construction works until no exceedance of Limit Level.	1. Confirm receipt of notification of exceedance in writing; 2. Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented; 3. Ensure additional mitigation measures are properly implemented; 4. Request Contractor(s) to critically review the working methods; 5. Consider and instruct, if necessary, the Contractor(s) to slow down or to stop all or part of the marine construction works until no exceedance of Limit Level.

2.3 QA/QC REQUIREMENTS

2.3.1 CALIBRATION OF IN-SITU INSTRUMENTS

In situ monitoring equipment for the measurement of DO, Temperature, Turbidity, pH and Salinity was checked, calibrated and certified by a laboratory accredited under HOKLAS before use, while the test kit for TRC was checked against the calibration check set provided by the manufacturer before commencement of monitoring. Copies of the calibration certificates for the measuring equipment for DO, Temperature, Turbidity, pH and Salinity are attached in ***Annex A***. The *in-situ* monitoring equipment for the measurement of DO, Temperature, Turbidity, pH and Salinity was subsequently re-calibrated every three months throughout the water quality monitoring. Responses of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibrations for dissolved oxygen meter were carried out before commencement of monitoring and after completion of all measurements each day.

On-site calibration of field equipment followed the "Guide to On-Site Test Methods for the Analysis of Waters", BS 1427: 2009. Sufficient stocks of spare parts were maintained for replacements when necessary. Backup monitoring equipment was also made available to ensure monitoring could proceed uninterrupted even when equipment is under maintenance, calibration etc.

2.3.2 DECONTAMINATION PROCEDURES

Water sampling equipment used during the course of the monitoring was decontaminated by manual washing and rinsed with clean seawater/distilled water after each sampling event. All disposable equipment was discarded after sampling.

2.3.3 SAMPLING MANAGEMENT AND SUPERVISION

All sampling bottles were labelled with the sample ID (including the indication of sampling station and tidal stage e.g. IM6_ME_S_R1), laboratory number and sampling date. All water samples were handled under chain of custody protocols and relinquished to the laboratory representatives at locations specified by the laboratory.

2.3.4 QUALITY CONTROL MEASURES FOR SAMPLE TESTING

The sample testing was performed by ALS Technichem (HK) Pty Ltd. The following quality control programme was performed by the laboratory for every batch of 20 samples:

- One method blank; and
- One set of quality control (QC) samples (including method QC and sample duplicate).

2.4 OPERATION PHASE WATER QUALITY MONITORING RESULTS

Operation phase water quality monitoring was conducted at three monitoring locations once per week for 51 sessions from 6 July 2023 to 27 June 2024 during the first year monitoring period. The monitoring scheduled on 31 May 2024 was cancelled due to adverse weather (Strong Wind Signal No. 3). The detailed monitoring schedule is shown in ***Annex B***. The monitoring results with weather and sea conditions at each monitoring day are shown in

Annex C. Graphical presentation of water quality monitoring results is given in ***Annex D***. During the monitoring sessions, the major activity on site was the operation of the LNG Terminal and no observable pollution source was recorded at the monitoring stations. No other external factors (e.g. surface runoff from nearby landmass, adverse weather) were identified that might affect water quality at the monitoring stations during the monitoring period.

Two action Level exceedances were recorded for operation phase water quality monitoring in the reporting period. Investigation on the exceedances was conducted and summarised in ***Table 2.6***.

TABLE 2.6 DETAILS OF EXCEEDANCES FOR OPERATIONAL PHASE WATER QUALITY MONITORING

Date	Tide	Parameter	Monitoring Station	Level of Exceedance	Investigation
28 August 2023	Mid-ebb	Depth-Average water temperature	IM6	Action	Discharge of cooled seawater for the operation of the regasification system was undertaken on 28 August 2023. According to the information provided by HKLTL and the operator, the flow rate of the cooled seawater discharge was 5,000 m^3/hr and the water temperature of the cooled seawater dropped by < 9°C at the point of discharge. The cooled seawater discharge complied with the requirements as stated in the licence under the Water Pollution Control Ordinance. Stratification of water column was observed (lower water temperature, lower dissolved oxygen and higher salinity at bottom waters) which is typical in wet season of Hong Kong waters. The water quality monitoring conducted for the mid-flood tide in the afternoon of the same day recorded similar depth-averaged water temperatures at locations IM6 and F3 (ranged 25.5-25.8 °C) and there was no action or limit level exceedance during mid-flood tide. This indicates that the action level exceedance of water temperature at location IM6 during mid-ebb tide was likely caused by natural stratification of the water column in wet season. As such, the exceedance in water temperature is unlikely due to the operation of the Project.

Date	Tide	Parameter	Monitoring Station	Level of Exceedance	Investigation
23 February 2024	Mid-ebb	Depth-Average 5-day biochemical oxygen demand (BOD5)	IM6	Action	Discharge of cooled seawater for the operation of the regasification system was undertaken on 23 February 2024. According to the information provided by HKLTL and the operator, the flow rate of the cooled seawater discharge was about 5,000 m^3/hr. In addition, there was effluent discharge from the sewage treatment plant with a flow rate less than 10 m^3/day. Discharge of seawater for the maintenance of firewater operation system was undertaken on 23 February 2024. According to the information provided by HKLTL and the operator, the flow rate of the seawater discharge was about 15 m^3/hr. The exceedance in 5-day biochemical oxygen demand (BOD5) is unlikely due to the operation of the Project, in view of the following: ▪ The seawater and effluent discharge complied with the requirements as stated in the licence under the Water Pollution Control Ordinance. ▪ With reference to the marine water quality data recorded by EPD since 1989 at the station located closest to the Project (i.e. SM17), fluctuations of BOD5 were recorded with ranges between <0.1 mg/L and 7.3mg/L. The current measured level is within the ranges of the historical dataset and thus considered to be sporadic event and characteristics of water quality in this area of Hong Kong.

Based on the investigation results above, the exceedances were not Project-related. Nevertheless, HKLTL and the operator were reminded to ensure mitigation measures for water quality impacts as set out in the Updated EM&A Manual are fully and properly implemented. In

addition, the discharge of effluent shall follow the requirements as stated in the licence under the Water Pollution Control Ordinance.

Overall, deterioration of water quality and indirect impacts at water and ecological sensitive receivers were not detected. The operation of the Project did not result in unacceptable water quality impacts to the nearby water and ecological sensitive receivers, which aligns with the EIA study predictions.

2.5 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT

There were no Project related Action and Limit Level exceedances for operation phase water quality monitoring in the reporting period.

2.6 SUMMARY OF ENVIRONMENTAL COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTION

There were no environmental complaints, notification of summons and successful prosecutions recorded for the operation of the Project in the reporting period.

3. CONCULSION

This is the report for the operation phase water quality monitoring for the LNG Terminal which summarises the key monitoring results for the reporting period from July 2023 to June 2024 in accordance with the *Updated EM&A Manual* of the Project.

Operation phase water quality monitoring was conducted at three monitoring locations once per week for 51 sessions from 6 July 2023 and 27 June 2024. There were no Project related Action and Limit Level exceedances for operation phase water quality monitoring in the reporting period. Overall, deterioration of water quality and indirect impacts at water and ecological sensitive receivers were not detected. The operation of the Project did not result in unacceptable water quality impacts to the nearby water and ecological sensitive receivers, which aligns with the EIA study predictions.

There were no environmental complaints, notification of summons and successful prosecutions recorded for the operation of the Project in the reporting period.

The monitoring activities conducted in the reporting period have been reviewed and are considered effective. As such, no change to the monitoring methodology is recommended. Based on the EM&A findings for the reporting period, the environmental performance for the operation of the Project is generally in line with the EIA predictions and considered acceptable. No further operation phase water quality monitoring is considered necessary for the EM&A programme. The EM&A programme for the Project is completed.

ANNEX A CALIBRATION CERTIFICATES

ALS Technichem (HK) Pty Ltd
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Kwai Chung, N.T., Hong Kong
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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	JOHNNY HO	**WORK ORDER:**	HK2316957
CLIENT:	EGS (ASIA) LTD		
ADDRESS:	15/F., NORTH POINT INDUSTRIAL BUILDING, 499 KING'S ROAD, NORTH POINT, HONG KONG	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	05-May-2023
		DATE OF ISSUE:	08-May-2023

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.
The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

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

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

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6820-V2-M]
Serial No./ Equipment No.:	[14A1010573]/ [MPP46]
Date of Calibration:	05-May-2023

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Mr Chan Siu Ming, Vico
Assistant Laboratory Manager
Environmental

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2316957

SUB-BATCH: 0
DATE OF ISSUE: 08-May-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [14A1010573]/ [MPP46]
Date of Calibration: 05-May-2023 Date of Next Calibration: 05-August-2023

PARAMETERS:

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.84	2.72	-0.12
4.58	4.55	-0.03
7.17	7.17	+0.00
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.91	-0.09
7.0	7.13	+0.13
10.0	10.02	+0.02
	Tolerance Limit (pH unit)	±0.20

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

Mr Chan Siu Ming, Vico
Assistant Laboratory Manager
Environmental

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2316957

SUB-BATCH: 0
DATE OF ISSUE: 08-May-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [14A1010573]/ [MPP46]
Date of Calibration: 05-May-2023 Date of Next Calibration: 05-August-2023

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	4.0	+0.0
40	40.6	+1.5
80	79.8	-0.3
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.01	--
10	10.02	+0.2
20	19.64	-1.8
30	29.78	-0.7
	Tolerance Limit (%)	±10.0

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

Mr Chan Siu Ming, Vico
Assistant Laboratory Manager
Environmental

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2316957

SUB-BATCH: 0
DATE OF ISSUE: 08-May-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [14A1010573]/ [MPP46]
Date of Calibration: 05-May-2023 Date of Next Calibration: 05-August-2023

PARAMETERS:

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
10.1	10.18	+0.1
23.1	22.22	-0.9
38.4	37.70	-0.7
	Tolerance Limit (°C)	±2.0

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

Mr Chan Siu Ming, Vico
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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	JOHNNY HO	**WORK ORDER:**	HK2329350
CLIENT:	EGS (ASIA) LTD		
ADDRESS:	15/F., NORTH POINT INDUSTRIAL BUILDING, 499 KING'S ROAD, NORTH POINT, HONG KONG	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	25-Jul-2023
		DATE OF ISSUE:	26-Jul-2023

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.
The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

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

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

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6820-V2-M]
Serial No./ Equipment No.:	[16L100580]/ [MPP57]
Date of Calibration:	25-July-2023

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2329350

SUB-BATCH: 0
DATE OF ISSUE: 26-Jul-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [16L100580]/ [MPP57]
Date of Calibration: 25-July-2023 Date of Next Calibration: 25-October-2023

PARAMETERS:

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.45	2.47	+0.02
5.64	5.63	-0.01
7.17	7.25	+0.08
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.93	-0.07
7.0	6.95	-0.05
10.0	9.91	-0.09
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2329350

SUB-BATCH: 0
DATE OF ISSUE: 26-Jul-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [16L100580]/ [MPP57]
Date of Calibration: 25-July-2023 Date of Next Calibration: 25-October-2023

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	4.1	+2.5
40	41.8	+4.5
80	84.2	+5.3
400	N/A	N/A
800	N/A	N/A
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.78	-2.2
20	19.33	-3.4
30	29.64	-1.2
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2329350

SUB-BATCH: 0
DATE OF ISSUE: 26-Jul-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [16L100580]/ [MPP57]
Date of Calibration: 25-July-2023 Date of Next Calibration: 25-October-2023

PARAMETERS:

Temperature

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
11.9	12.66	+0.8
20.7	19.68	-1.0
39.5	38.68	-0.8
	Tolerance Limit (°C)	±2.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	JOHNNY HO	**WORK ORDER:**	HK2329342
CLIENT:	EGS (ASIA) LTD		
ADDRESS:	15/F., NORTH POINT INDUSTRIAL BUILDING, 499 KING'S ROAD, NORTH POINT, HONG KONG	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	25-Jul-2023
		DATE OF ISSUE:	26-Jul-2023

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.
The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

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

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

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6820-V2-M]
Serial No./ Equipment No.:	[07H100241]/ [MPP22]
Date of Calibration:	25-July-2023

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2329342

SUB-BATCH: 0
DATE OF ISSUE: 26-Jul-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [07H100241]/ [MPP22]
Date of Calibration: 25-July-2023 Date of Next Calibration: 25-October-2023

PARAMETERS:

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.96	2.80	-0.16
5.49	5.43	-0.06
7.18	7.19	+0.01
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.91	-0.09
7.0	6.99	-0.01
10.0	9.89	-0.11
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2329342

SUB-BATCH: 0
DATE OF ISSUE: 26-Jul-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [07H100241]/ [MPP22]
Date of Calibration: 25-July-2023 Date of Next Calibration: 25-October-2023

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	4.3	+7.5
40	40.7	+1.8
80	81.4	+1.8
400	N/A	N/A
800	N/A	N/A
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.73	-2.7
20	19.46	-2.7
30	29.65	-1.2
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2329342

SUB-BATCH: 0
DATE OF ISSUE: 26-Jul-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [07H100241]/ [MPP22]
Date of Calibration: 25-July-2023 Date of Next Calibration: 25-October-2023

PARAMETERS:

Temperature

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
11.9	12.01	+0.1
20.7	19.75	-0.9
39.5	38.79	-0.7
	Tolerance Limit (°C)	±2.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	DOMINIC LAI	**WORK ORDER:**	HK2340210
CLIENT:	EGS (ASIA) LTD		
ADDRESS:	15/F., NORTH POINT INDUSTRIAL BUILDING, 499 KING'S ROAD, NORTH POINT, HONG KONG	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	10-Oct-2023
		DATE OF ISSUE:	12-Oct-2023

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.
The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.
The validity of equipment/ meter performance only applies to the result(s) stated in the report.
This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6920-V2-M]
Serial No./ Equipment No.:	[08C100240]/ [MPP30]
Date of Calibration:	10-October-2023

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2340210

SUB-BATCH: 0
DATE OF ISSUE: 12-Oct-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6920-V2-M]
Serial No./ Equipment No.: [08C100240]/ [MPP30]
Date of Calibration: 10-October-2023 Date of Next Calibration: 10-January-2024

PARAMETERS:

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.06	3.09	+0.03
4.04	4.19	+0.15
7.26	7.18	-0.08
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.88	-0.12
7.0	7.01	+0.01
10.0	9.82	-0.18
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2340210

SUB-BATCH: 0
DATE OF ISSUE: 12-Oct-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6920-V2-M]
Serial No./ Equipment No.: [08C100240]/ [MPP30]
Date of Calibration: 10-October-2023 Date of Next Calibration: 10-January-2024

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	3.7	-7.5
40	43.3	+8.2
80	84.3	+5.4
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.55	-4.5
20	19.38	-3.1
30	28.78	-4.1
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2340210

SUB-BATCH: 0
DATE OF ISSUE: 12-Oct-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6920-V2-M]
Serial No./ Equipment No.: [08C100240]/ [MPP30]
Date of Calibration: 10-October-2023 Date of Next Calibration: 10-January-2024

PARAMETERS:

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
14.5	14.20	-0.3
21.0	21.58	+0.6
40.5	40.27	-0.2
	Tolerance Limit (°C)	±2.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	LAM MEI SHING	**WORK ORDER:**	HK2346638
CLIENT:	EGS (ASIA) LTD		
ADDRESS:	15/F., NORTH POINT INDUSTRIAL BUILDING, 499 KING'S ROAD, NORTH POINT, HONG KONG	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	21-Nov-2023
		DATE OF ISSUE:	22-Nov-2023

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.
The validity of equipment/ meter performance only applies to the result(s) stated in the report.
This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6820-C-M]
Serial No./ Equipment No.:	[02J0058-AB]/ [MPP16]
Date of Calibration:	21-November-2023

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2346638

SUB-BATCH: 0
DATE OF ISSUE: 22-Nov-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-C-M]
Serial No./ Equipment No.: [02J0058-AB]/ [MPP16]
Date of Calibration: 21-November-2023

PARAMETERS:

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.94	2.89	-0.05
5.20	5.23	+0.03
7.63	7.68	+0.05
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.92	-0.08
7.0	6.94	-0.06
10.0	10.15	+0.15
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2346638

SUB-BATCH: 0
DATE OF ISSUE: 22-Nov-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-C-M]
Serial No./ Equipment No.: [02J0058-AB]/ [MPP16]
Date of Calibration: 21-November-2023

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	3.9	-2.5
40	38.7	-3.2
80	78.6	-1.8
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.56	-4.4
20	19.04	-4.8
30	28.46	-5.1
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2346638

SUB-BATCH: 0
DATE OF ISSUE: 22-Nov-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-C-M]
Serial No./ Equipment No.: [02J0058-AB]/ [MPP16]
Date of Calibration: 21-November-2023

PARAMETERS:

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
11.5	11.45	-0.1
20.0	19.76	-0.2
40.0	40.02	+0.0
	Tolerance Limit (°C)	±2.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	LAM MEI SHING	**WORK ORDER:**	HK2346640
CLIENT:	EGS (ASIA) LTD		
ADDRESS:	15/F., NORTH POINT INDUSTRIAL BUILDING, 499 KING'S ROAD, NORTH POINT, HONG KONG	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	21-Nov-2023
		DATE OF ISSUE:	22-Nov-2023

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.
The validity of equipment/ meter performance only applies to the result(s) stated in the report.
This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6920 V2-2]
Serial No./ Equipment No.:	[16L100580]/ [MPP57]
Date of Calibration:	21-November-2023

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2346640

SUB-BATCH: 0
DATE OF ISSUE: 22-Nov-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6920 V2-2]
Serial No./ Equipment No.: [16L100580]/ [MPP57]
Date of Calibration: 21-November-2023

PARAMETERS:

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.95	2.95	+0.00
5.04	4.89	-0.15
7.64	7.63	-0.01
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.91	-0.09
7.0	6.96	-0.04
10.0	10.19	+0.19
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2346640

SUB-BATCH: 0
DATE OF ISSUE: 22-Nov-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6920 V2-2]
Serial No./ Equipment No.: [16L100580]/ [MPP57]
Date of Calibration: 21-November-2023

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	4.2	+5.0
40	41.8	+4.5
80	85.4	+6.8
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.60	-4.0
20	19.10	-4.5
30	28.65	-4.5
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2346640

SUB-BATCH: 0
DATE OF ISSUE: 22-Nov-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6920 V2-2]
Serial No./ Equipment No.: [16L100580]/ [MPP57]
Date of Calibration: 21-November-2023

PARAMETERS:

Temperature

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
11.0	11.08	+0.1
19.5	19.80	+0.3
40.5	40.54	+0.0
	Tolerance Limit (°C)	±2.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	LAM MEI SHING	**WORK ORDER:**	HK2346633
CLIENT:	EGS (ASIA) LTD		
ADDRESS:	15/F., NORTH POINT INDUSTRIAL BUILDING, 499 KING'S ROAD, NORTH POINT, HONG KONG	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	21-Nov-2023
		DATE OF ISSUE:	22-Nov-2023

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.
The validity of equipment/ meter performance only applies to the result(s) stated in the report.
This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6820-C-M]
Serial No./ Equipment No.:	[02J0058-AA]/ [MPP15]
Date of Calibration:	21-November-2023

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2346633

SUB-BATCH: 0
DATE OF ISSUE: 22-Nov-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-C-M]
Serial No./ Equipment No.: [02J0058-AA]/ [MPP15]
Date of Calibration: 21-November-2023

PARAMETERS:

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.86	2.87	+0.01
4.79	4.87	+0.08
6.80	6.88	+0.08
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.89	-0.11
7.0	6.98	-0.02
10.0	10.17	+0.17
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2346633

SUB-BATCH: 0
DATE OF ISSUE: 22-Nov-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-C-M]
Serial No./ Equipment No.: [02J0058-AA]/ [MPP15]
Date of Calibration: 21-November-2023

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	4.1	+2.5
40	39.5	-1.3
80	80.1	+0.1
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.58	-4.2
20	19.07	-4.7
30	28.53	-4.9
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2346633

SUB-BATCH: 0
DATE OF ISSUE: 22-Nov-2023
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-C-M]
Serial No./ Equipment No.: [02J0058-AA]/ [MPP15]
Date of Calibration: 21-November-2023

PARAMETERS:

Temperature

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
11.0	10.51	-0.5
20.0	19.61	-0.4
41.0	41.16	+0.2
	Tolerance Limit (°C)	±2.0

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

Ms. Lin Wai Yu, Iris
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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	DOMINIC LAI	**WORK ORDER:**	HK2406840
CLIENT:	EGS (ASIA) LTD		
ADDRESS:	15/F., NORTH POINT INDUSTRIAL BUILDING, 499 KING'S ROAD, NORTH POINT, HONG KONG	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	20-Feb-2024
		DATE OF ISSUE:	22-Feb-2024

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.
The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.
The validity of equipment/ meter performance only applies to the result(s) stated in the report.
This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6820 V2-M]
Serial No./ Equipment No.:	[14A101573]/ [MPP46]
Date of Calibration:	20-February-2024

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2406840

SUB-BATCH: 0
DATE OF ISSUE: 22-Feb-2024
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2-M]
Serial No./ Equipment No.: [14A101573]/ [MPP46]
Date of Calibration: 20-February-2024 Date of Next Calibration: 20-May-2024

PARAMETERS:

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.94	2.88	-0.06
5.34	5.36	+0.02
7.15	7.19	+0.04
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	4.09	+0.09
7.0	6.99	-0.01
10.0	9.98	-0.02
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2406840

SUB-BATCH: 0
DATE OF ISSUE: 22-Feb-2024
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2-M]
Serial No./ Equipment No.: [14A101573]/ [MPP46]
Date of Calibration: 20-February-2024 Date of Next Calibration: 20-May-2024

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.00	--
4	3.70	-7.5
40	42.2	+5.5
80	84.8	+6.0
400	-	N/A
800	-	N/A
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.91	-0.9
20	19.20	-4.0
30	29.72	-0.9
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2406840

SUB-BATCH: 0
DATE OF ISSUE: 22-Feb-2024
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2-M]
Serial No./ Equipment No.: [14A101573]/ [MPP46]
Date of Calibration: 20-February-2024 Date of Next Calibration: 20-May-2024

PARAMETERS:

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
10.5	10.69	+0.2
21.0	20.79	-0.2
39.5	39.10	-0.4
	Tolerance Limit (°C)	±2.0

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

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	DOMINIC LAI	**WORK ORDER:**	HK2420570
CLIENT:	EGS (ASIA) LTD		
ADDRESS:	15/F., NORTH POINT INDUSTRIAL BUILDING, 499 KING'S ROAD, NORTH POINT, HONG KONG	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	24-May-2024
		DATE OF ISSUE:	29-May-2024

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.
The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.
The validity of equipment/ meter performance only applies to the result(s) stated in the report.
This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[YSI]/ [6820-V2-M]
Serial No./ Equipment No.:	[13H103324]/ [MPP45]
Date of Calibration:	24-May-2024

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2420570

SUB-BATCH: 0
DATE OF ISSUE: 29-May-2024
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [13H103324]/ [MPP45]
Date of Calibration: 24-May-2024 Date of Next Calibration: 24-August-2024

PARAMETERS:

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.97	3.00	+0.03
5.65	5.79	+0.14
7.29	7.28	-0.01
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	4.00	+0.00
7.0	6.93	-0.07
10.0	9.84	-0.16
	Tolerance Limit (pH unit)	±0.20

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2420570

SUB-BATCH: 0
DATE OF ISSUE: 29-May-2024
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [13H103324]/ [MPP45]
Date of Calibration: 24-May-2024 Date of Next Calibration: 24-August-2024

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	4.4	+10.0
40	40.7	+1.8
80	78.1	-2.4
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.01	--
10	9.91	-0.9
20	19.07	-4.7
30	29.00	-3.3
	Tolerance Limit (%)	±10.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2420570

SUB-BATCH: 0
DATE OF ISSUE: 29-May-2024
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820-V2-M]
Serial No./ Equipment No.: [13H103324]/ [MPP45]
Date of Calibration: 24-May-2024 Date of Next Calibration: 24-August-2024

PARAMETERS:

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

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
13.0	13.04	+0.0
24.5	24.65	+0.1
40.0	40.44	+0.4
	Tolerance Limit (°C)	±2.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

ANNEX B MONITORING SCHEDULE

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project

Operation Phase Water Quality Monitoring (July 2023)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1/Jul
2/Jul	3/Jul	4/Jul	5/Jul	6/Jul	7/Jul	8/Jul
				Operation Phase Water Quality Monitoring ebb tide 13:34 - 15:34 flood tide 06:30 - 08:30		
9/Jul	10/Jul	11/Jul	12/Jul	13/Jul	14/Jul	15/Jul
		Operation Phase Water Quality Monitoring ebb tide 18:09 - 20:09 flood tide 12:22 - 14:22				
16/Jul	17/Jul	18/Jul	19/Jul	20/Jul	21/Jul	22/Jul
						Operation Phase Water Quality Monitoring ebb tide 13:59 - 15:59 flood tide 07:05 - 09:05
23/Jul	24/Jul	25/Jul	26/Jul	27/Jul	28/Jul	29/Jul
		Operation Phase Water Quality Monitoring ebb tide 15:36 - 17:36 flood tide 09:18 - 11:18				
30/Jul	31/Jul					
	Operation Phase Water Quality Monitoring ebb tide 09:59 - 11:59 flood tide 17:46 - 19:46					

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project

Operation Phase Water Quality Monitoring (August 2023)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1/Aug	2/Aug	3/Aug	4/Aug	5/Aug
6/Aug	7/Aug	8/Aug	9/Aug	10/Aug	11/Aug	12/Aug
			Operation Phase Water Quality Monitoring ebb tide 17:21 - 19:21 flood tide 12:15 - 14:15			
13/Aug	14/Aug	15/Aug	16/Aug	17/Aug	18/Aug	19/Aug
	Operation Phase Water Quality Monitoring ebb tide 10:27 - 12:27 flood tide 17:53 - 19:53					
20/Aug	21/Aug	22/Aug	23/Aug	24/Aug	25/Aug	26/Aug
		Operation Phase Water Quality Monitoring ebb tide 14:35 - 16:35 flood tide 08:27 - 10:27				
27/Aug	28/Aug	29/Aug	30/Aug	31/Aug		
	Operation Phase Water Quality Monitoring ebb tide 08:57 - 10:57 flood tide 16:53 - 18:53					

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project
Operation Phase Water Quality Monitoring (September 2023)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1/Sep	2/Sep
3/Sep	4/Sep	5/Sep	6/Sep	7/Sep	8/Sep	9/Sep
						Operation Phase Water Quality Monitoring ebb tide 07:43 - 09:43 flood tide 20:19 - 22:19
10/Sep	11/Sep	12/Sep	13/Sep	14/Sep	15/Sep	16/Sep
	Operation Phase Water Quality Monitoring ebb tide 09:26 - 11:26 flood tide 17:02 - 19:02					
17/Sep	18/Sep	19/Sep	20/Sep	21/Sep	22/Sep	23/Sep
			Operation Phase Water Quality Monitoring ebb tide 14:23 - 16:23 flood tide 08:38 - 10:38			
24/Sep	25/Sep	26/Sep	27/Sep	28/Sep	29/Sep	30/Sep
		Operation Phase Water Quality Monitoring ebb tide 08:38 - 10:38 flood tide 16:19 - 18:19				

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project
Operation Phase Water Quality Monitoring (October 2023)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1/Oct	2/Oct	3/Oct	4/Oct	5/Oct	6/Oct	7/Oct
		Operation Phase Water Quality Monitoring ebb tide 13:48 - 15:48 flood tide 8:05 - 10:05				
8/Oct	9/Oct	10/Oct	11/Oct	12/Oct	13/Oct	14/Oct
				Operation Phase Water Quality Monitoring ebb tide 10:09 - 12:09 flood tide 16:40 - 18:40		
15/Oct	16/Oct	17/Oct	18/Oct	19/Oct	20/Oct	21/Oct
				Operation Phase Water Quality Monitoring ebb tide 13:56 - 15:56 flood tide 8:44 - 10:44		
22/Oct	23/Oct	24/Oct	25/Oct	26/Oct	27/Oct	28/Oct
				Operation Phase Water Quality Monitoring ebb tide 9:11 - 11:11 flood tide 15:56 - 17:56		
29/Oct	30/Oct	31/Oct				

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project
Operation Phase Water Quality Monitoring (November 2023)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1/Nov	2/Nov	3/Nov	4/Nov
			Operation Phase Water Quality Monitoring ebb tide 13:25 - 15:45 flood tide 8:11 - 10:11			
5/Nov	6/Nov	7/Nov	8/Nov	9/Nov	10/Nov	11/Nov
					Operation Phase Water Quality Monitoring ebb tide 9:28 - 11:28 flood tide 15:41 - 17:41	
12/Nov	13/Nov	14/Nov	15/Nov	16/Nov	17/Nov	18/Nov
				Operation Phase Water Quality Monitoring ebb tide 13:02 - 15:02 flood tide 7:56 - 9:56		
19/Nov	20/Nov	21/Nov	22/Nov	23/Nov	24/Nov	25/Nov
				Operation Phase Water Quality Monitoring ebb tide 7:49 - 9:49 flood tide 14:37 - 16:37		
26/Nov	27/Nov	28/Nov	29/Nov	30/Nov		
			Operation Phase Water Quality Monitoring ebb tide 12:25 - 14:25 flood tide 7:23 - 9:23			

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project
Operation Phase Water Quality Monitoring (December 2023)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1/Dec	2/Dec
3/Dec	4/Dec	5/Dec	6/Dec	7/Dec	8/Dec	9/Dec
					Operation Phase Water Quality Monitoring ebb tide 7:32 - 9:32 flood tide 14:12 - 16:12	
10/Dec	11/Dec	12/Dec	13/Dec	14/Dec	15/Dec	16/Dec
	Operation Phase Water Quality Monitoring ebb tide 10:12 - 12:12 flood tide 15:22 - 17:22					
17/Dec	18/Dec	19/Dec	20/Dec	21/Dec	22/Dec	23/Dec
	Operation Phase Water Quality Monitoring ebb tide 15:57 - 17:57 flood tide 10:36 - 12:36					
24/Dec	25/Dec	26/Dec	27/Dec	28/Dec	29/Dec	30/Dec
				Operation Phase Water Quality Monitoring ebb tide 11:53 - 13:53 flood tide 7:21 - 9:21		
31/Dec						

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project
Operation Phase Water Quality Monitoring (January 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1/Jan	2/Jan	3/Jan	4/Jan	5/Jan	6/Jan
		Operation Phase Water Quality Monitoring ebb tide 15:39 - 17:39 flood tide 10:26 - 12:06				
7/Jan	8/Jan	9/Jan	10/Jan	11/Jan	12/Jan	13/Jan
		Operation Phase Water Quality Monitoring ebb tide 9:51 - 11:51 flood tide 14:32 - 16:32				
14/Jan	15/Jan	16/Jan	17/Jan	18/Jan	19/Jan	20/Jan
		Operation Phase Water Quality Monitoring ebb tide 15:32 - 17:32 flood tide 9:48 - 11:48				
21/Jan	22/Jan	23/Jan	24/Jan	25/Jan	26/Jan	27/Jan
					Operation Phase Water Quality Monitoring ebb tide 12:08 - 14:08 flood tide 7:01 - 9:01	
28/Jan	29/Jan	30/Jan	31/Jan			
			Operation Phase Water Quality Monitoring ebb tide 14:40 - 16:40 flood tide 8:55 - 10:55			

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project
Operation Phase Water Quality Monitoring (February 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1/Feb	2/Feb	3/Feb
4/Feb	5/Feb	6/Feb	7/Feb	8/Feb	9/Feb	10/Feb
				Operation Phase Water Quality Monitoring ebb tide 10:35 - 12:35 flood tide 15:14 - 17:14		
11/Feb	12/Feb	13/Feb	14/Feb	15/Feb	16/Feb	17/Feb
				Operation Phase Water Quality Monitoring ebb tide 15:43 - 17:43 flood tide 9:20 - 11:20		
18/Feb	19/Feb	20/Feb	21/Feb	22/Feb	23/Feb	24/Feb
					Operation Phase Water Quality Monitoring ebb tide 11:23 - 13:23 flood tide 6:03 - 8:03	
25/Feb	26/Feb	27/Feb	28/Feb	29/Feb		
			Operation Phase Water Quality Monitoring ebb tide 13:29 - 15:29 flood tide 7:32 - 9:32			

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project
Operation Phase Water Quality Monitoring (March 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1/Mar	2/Mar
3/Mar	4/Mar	5/Mar	6/Mar	7/Mar	8/Mar	9/Mar
				Operation Phase Water Quality Monitoring ebb tide 9:04 - 11:04 flood tide 14:06 - 16:06		
10/Mar	11/Mar	12/Mar	13/Mar	14/Mar	15/Mar	16/Mar
				Operation Phase Water Quality Monitoring ebb tide 14:12 - 16:12 flood tide 7:47 - 9:47		
17/Mar	18/Mar	19/Mar	20/Mar	21/Mar	22/Mar	23/Mar
				Operation Phase Water Quality Monitoring ebb tide 10:14 - 12:14 flood tide 15:04 - 17:04		
24/Mar	25/Mar	26/Mar	27/Mar	28/Mar	29/Mar	30/Mar
				Operation Phase Water Quality Monitoring ebb tide 13:00 - 15:00 flood tide 6:43 - 8:43		
31/Mar						

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project
Operation Phase Water Quality Monitoring (April 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1/Apr	2/Apr	3/Apr	4/Apr	5/Apr	6/Apr
					Operation Phase Water Quality Monitoring ebb tide 9:25 - 11:25 flood tide 14:13 - 16:13	
7/Apr	8/Apr	9/Apr	10/Apr	11/Apr	12/Apr	13/Apr
					Operation Phase Water Quality Monitoring ebb tide 13:50 - 15:50 flood tide 7:03 - 9:03	
14/Apr	15/Apr	16/Apr	17/Apr	18/Apr	19/Apr	20/Apr
		Operation Phase Water Quality Monitoring ebb tide 18:05 - 20:05 flood tide 5:22 - 7:22				
21/Apr	22/Apr	23/Apr	24/Apr	25/Apr	26/Apr	27/Apr
		Operation Phase Water Quality Monitoring ebb tide 11:06 - 13:06 flood tide 17:36 - 19:36				
28/Apr	29/Apr	30/Apr				
	Operation Phase Water Quality Monitoring ebb tide 14:30 - 16:30 flood tide 6:44 - 8:44					

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project
Operation Phase Water Quality Monitoring (May 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1/May	2/May	3/May	4/May
5/May	6/May	7/May	8/May	9/May	10/May	11/May
	Operation Phase Water Quality Monitoring ebb tide 10:05 - 12:05 flood tide 16:14 - 18:14					
12/May	13/May	14/May	15/May	16/May	17/May	18/May
					Operation Phase Water Quality Monitoring ebb tide 7:59 - 9:59 flood tide 12:39 - 14:39	
19/May	20/May	21/May	22/May	23/May	24/May	25/May
	Operation Phase Water Quality Monitoring ebb tide 9:45 - 11:45 flood tide 16:03 - 18:03					
26/May	27/May	28/May	29/May	30/May	31/May	
					Water Qaulity Monitoring was cancelled due to adverse weather	

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project
Operation Phase Water Quality Monitoring (June 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1/Jun
2/Jun	3/Jun	4/Jun	5/Jun	6/Jun	7/Jun	8/Jun
	Operation Phase Water Quality Monitoring ebb tide 8:59 - 10:59 flood tide 15:11 - 17:11					
9/Jun	10/Jun	11/Jun	12/Jun	13/Jun	14/Jun	15/Jun
					Operation Phase Water Quality Monitoring ebb tide 16:48 - 18:48 flood tide 9:48 - 11:48	
16/Jun	17/Jun	18/Jun	19/Jun	20/Jun	21/Jun	22/Jun
	Operation Phase Water Quality Monitoring ebb tide 8:37 - 10:37 flood tide 14:57 - 16:57					
23/Jun	24/Jun	25/Jun	26/Jun	27/Jun	28/Jun	29/Jun
				Operation Phase Water Quality Monitoring ebb tide 15:20 - 17:20 flood tide 8:25 - 10:25		
30/Jun						

ANNEX C OPERATION PHASE WATER QUALITY MONITORING RESULTS

Water Quality Monitoring Data Log Sheet **Date: 2023/07/06**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Calm	14:12	9.2	S	0.15	90	28.5	28.5		25.8	25.8	8.3	8.3	130.7	131.3	8.8	8.8	6.4	2.3	2.3	4.1	<0.001	0.001	0.002	7.1	6.9	7.5	0.40	0.41	0.37	2.4	2.5	1.6
							0.15	90	28.5			25.8		8.3		131.8		8.9			2.3			0.001			6.6			0.41			2.5		
						M	0.21	157	26.6	26.7	26.9	28.6	28.5	8.0	8.0	57.0	58.1	3.9	4.0		2.7	2.7		<0.001	<0.001		4.4	4.6		0.43	0.43		1.2	1.3	
							0.21	157	26.8			28.3		8.0		59.1		4.0			2.7			<0.001			4.8			0.42			1.3		
						B	0.37	37	25.5	25.4		31.6	31.7	7.9	7.9	36.0	35.3	2.5	2.4	2.4	7.2	7.3		<0.001	0.003		10.7	11.0		0.29	0.29		<1.0	<1.0	
							0.39	85	25.4			31.7		7.9		34.5		2.4			7.4			0.005			11.2			0.29			<1.0		
	IM6	Cloudy	Calm	13:37	17.1	S	0.33	121	28.6	28.6		23.3	23.3	8.2	8.2	118.5	118.9	8.1	8.1	6.0	2.6	2.6	4.8	<0.001	<0.001	0.001	4.2	4.4	6.8	0.62	0.62	0.32	2.1	2.0	1.3
							0.65	75	28.6			23.3		8.2		119.3		8.1			2.6			<0.001			4.5			0.62			1.8		
						M	0.42	212	25.4	25.4	26.0	31.3	31.3	8.0	8.0	57.5	57.1	4.0	3.9		2.1	2.1		<0.001	<0.001		2.7	2.8		0.27	0.27		<1.0	<1.0	
							0.42	212	25.4			31.2		8.0		56.7		3.9			2.0			<0.001			2.9			0.26			<1.0		
						B	0.62	76	24.0	24.0		33.7	33.7	8.0	8.0	62.3	61.6	4.3	4.3	4.3	9.7	9.6		<0.001	0.001		13.5	13.3		0.08	0.08		<1.0	<1.0	
							0.62	76	24.0			33.7		8.0		60.9		4.2			9.5			0.001			13.1			0.08			<1.0		
Mid-Flood	F3	Cloudy	Calm	8:11	18.8	S	0.49	276	27.7	27.7		23.2	23.2	8.1	8.1	82.1	82.6	5.7	5.7	4.9	2.8	2.8	4.8	<0.001	<0.001	0.001	5.0	4.8	7.3	0.76	0.74	0.33	<1.0	<1.0	1.1
							0.54	244	27.8			23.3		8.1		83.1		5.7			2.8			<0.001			4.5			0.71			<1.0		
						M	0.54	248	25.6	25.6	25.8	31.6	31.7	8.1	8.1	62.1	61.3	4.2	4.2		2.0	1.9		<0.001	<0.001		2.8	2.9		0.17	0.17		1.6	1.3	
							0.54	248	25.7			31.7		8.1		60.4		4.1			1.8			<0.001			3.0			0.17			1.0		
						B	0.58	3	24.1	24.1		33.8	33.8	8.1	8.1	61.2	61.1	4.2	4.2	4.2	9.8	9.7		<0.001	0.002		14.0	14.2		0.07	0.07		<1.0	<1.0	
							0.58	3	24.1			33.8		8.1		60.9		4.2			9.6			0.002			14.4			0.07			<1.0		
	IM6	Cloudy	Calm	7:57	17.2	S	0.54	199	27.6	27.6		24.4	24.7	8.1	8.1	77.3	79.3	5.3	5.4	4.8	2.1	2.2	4.3	<0.001	<0.001	<0.001	5.5	5.8	6.7	0.65	0.64	0.31	1.1	1.1	1.0
							0.38	251	27.6			25.0		8.1		81.2		5.6			2.2			<0.001			6.1			0.62			1.1		
						M	0.71	325	25.1	25.2	25.7	31.8	31.7	8.0	8.0	60.6	60.6	4.2	4.2		2.4	2.3		<0.001	<0.001		3.7	3.5		0.22	0.22		<1.0	<1.0	
							0.16	227	25.2			31.6		8.0		60.6		4.2			2.1			<0.001			3.2			0.21			<1.0		
						B	0.54	4	24.2	24.2		33.6	33.6	8.0	8.0	60.8	60.5	4.2	4.2	4.2	9.1	8.5		<0.001	<0.001		11.2	10.9		0.08	0.08		<1.0	<1.0	
							0.36	340	24.2			33.6		8.0		60.1		4.2			7.9			<0.001			10.6			0.08			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/07/11**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Calm	18:42	9.0	S	0.14	210	28.6	28.5	27.2	26.8	26.8	8.6	8.6	190.3	193.5	12.7	12.9	10.0	1.6	1.5	1.5	<0.001	<0.001	<0.001	6.6	6.2	6.3	0.19	0.19	0.23	3.1	3.3	2.3
							0.17	152	28.5			26.8		8.6		196.6		13.1			1.4			<0.001			5.7			0.19			3.5		
						M	0.28	79	27.1	27.1		28.5	28.5	8.3	8.3	103.4	104.5	7.0	7.1		1.5	1.5		<0.001	<0.001		5.6	6.1		0.25	0.25		2.1	2.0	
							0.28	48	27.1			28.6		8.3		105.5		7.2			1.5			<0.001			6.5			0.24			1.9		
						B	0.18	68	26.0	26.0		30.1	30.1	8.0	8.0	62.0	61.4	4.2	4.2	4.2	1.4	1.5		<0.001	<0.001		6.6	6.8		0.24	0.24		1.6	1.6	
							0.18	68	26.1			30.1		8.0		60.8		4.2			1.5			<0.001			7.0			0.24			1.6		
	IM6	Fine	Calm	18:10	16.0	S	0.31	63	29.4	29.4	25.8	23.9	23.9	8.7	8.7	199.9	205.3	13.4	13.8	8.8	2.0	2.1	2.8	<0.001	<0.001	0.001	5.8	5.9	5.3	0.36	0.37	0.20	4.2	4.3	2.2
							0.31	63	29.4			23.9		8.7		210.6		14.1			2.1			<0.001			6.0			0.37			4.4		
						M	0.23	75	24.6	24.9		32.1	31.7	8.0	8.0	53.2	55.9	3.7	3.9		1.3	1.3		<0.001	0.001		2.9	3.0		0.16	0.16		1.3	1.2	
							0.23	75	25.1			31.2		8.0		58.5		4.0			1.2			0.001			3.0			0.16			1.0		
						B	0.26	255	23.2	23.2		33.9	33.9	8.0	8.0	61.3	57.8	4.3	4.1	4.1	4.8	5.1		<0.001	<0.001		6.7	7.1		0.08	0.08		<1.0	<1.0	
							0.17	352	23.2			33.9		8.0		54.2		3.8			5.3			<0.001			7.4			0.08			<1.0		
Mid-Flood	F3	Fine	Calm	12:37	18.0	S	0.06	83	28.8	28.8	25.2	24.3	24.4	8.7	8.7	186.5	190.6	12.6	12.9	8.2	2.1	2.2	3.5	<0.001	<0.001	<0.001	7.4	7.6	6.6	0.33	0.33	0.16	3.0	3.0	1.7
							0.06	83	28.8			24.5		8.7		194.7		13.1			2.2			<0.001			7.8			0.33			2.9		
						M	0.30	282	23.7	23.7		33.4	33.4	8.0	8.0	51.0	50.9	3.6	3.6		2.0	1.9		<0.001	<0.001		4.1	4.1		0.10	0.09		<1.0	<1.0	
							0.24	216	23.7			33.5		8.0		50.8		3.6			1.8			<0.001			4.0			0.08			<1.0		
						B	0.29	282	23.2	23.2		34.0	34.0	8.0	8.0	56.4	54.3	4.0	3.8	3.8	6.1	6.5		<0.001	<0.001		8.3	8.1		0.06	0.06		<1.0	<1.0	
							0.29	282	23.2			34.0		8.0		52.2		3.7			6.8			<0.001			7.9			0.06			<1.0		
	IM6	Fine	Calm	12:24	16.3	S	0.69	145	28.9	28.9	25.6	24.9	24.9	8.5	8.5	155.8	159.9	10.5	10.7	7.3	2.0	2.0	3.1	<0.001	0.003	0.002	6.7	6.9	6.6	0.35	0.35	0.18	2.6	2.5	1.5
							0.69	145	29.0			24.8		8.5		164.0		11.0			2.0			0.004			7.1			0.34			2.4		
						M	0.34	353	24.6	24.7		32.2	32.0	8.0	8.0	57.6	56.9	4.0	3.9		1.5	1.5		<0.001	<0.001		4.3	4.4		0.14	0.14		<1.0	<1.0	
							0.34	353	24.8			31.9		8.0		56.2		3.9			1.4			<0.001			4.5			0.14			<1.0		
						B	0.11	38	23.3	23.3		33.9	33.9	8.0	8.0	59.0	56.6	4.1	4.0	4.0	5.5	5.8		<0.001	<0.001		8.2	8.5		0.06	0.06		<1.0	<1.0	
							0.07	326	23.3			33.9		8.0		54.1		3.8			6.0			<0.001			8.8			0.06			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/07/22**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Calm	14:33	9.5	S	0.41	92	29.5	29.5	28.4	30.1	30.1	8.7	8.7	238.3	237.8	15.4	15.4	12.0	1.0	1.0	4.3	<0.001	<0.001	<0.001	5.3	5.3	8.4	<0.02	<0.02	0.06	2.6	2.7	1.6
							0.39	108	29.5			30.0		8.7		237.2		15.3			1.0			<0.001			5.3			<0.02			2.7		
						M	0.33	89	28.2	28.2		31.0	31.0	8.4	8.4	129.2	132.3	8.5	8.7		2.3	2.2		<0.001	<0.001		6.2	6.4		0.03	0.03		1.3	1.2	
							0.09	1	28.2			31.0		8.4		135.3		8.9			2.0			<0.001			6.6			0.03			1.0		
						B	0.21	352	27.5	27.5		31.8	31.8	8.2	8.2	84.2	83.3	5.6	5.5	5.5	9.9	9.7		<0.001	<0.001		13.2	13.4		0.15	0.14		<1.0	<1.0	
							0.21	352	27.5			31.8		8.2		82.4		5.5			9.5			<0.001			13.6			0.13			<1.0		
	IM6	Cloudy	Calm	14:01	17.0	S	0.14	102	29.4	29.5	27.8	29.6	29.6	8.5	8.5	198.2	196.5	12.9	12.7	9.2	0.8	0.9	2.4	<0.001	<0.001	<0.001	4.4	4.6	5.7	0.02	0.03	0.05	2.2	2.2	1.4
							0.42	197	29.5			29.5		8.5		194.8		12.6			0.9			<0.001			4.7			0.03			2.2		
						M	0.43	72	27.1	27.1		32.3	32.3	8.2	8.2	84.1	83.8	5.6	5.6		0.7	0.8		<0.001	<0.001		5.5	5.3		0.07	0.07		<1.0	<1.0	
							0.34	163	27.1			32.4		8.2		83.5		5.5			0.8			<0.001			5.1			0.07			<1.0		
						B	0.31	276	26.9	26.9		33.2	33.2	8.1	8.1	79.2	78.3	5.3	5.2	5.2	5.4	5.5		<0.001	<0.001		7.3	7.1		0.04	0.04		<1.0	<1.0	
							0.31	276	26.9			33.2		8.1		77.4		5.1			5.6			<0.001			6.9			0.04			<1.0		
Mid-Flood	F3	Cloudy	Calm	7:39	17.0	S	0.43	345	28.9	28.9	27.7	28.5	28.6	8.5	8.5	153.8	155.4	10.1	10.2	7.9	1.3	1.3	1.9	<0.001	<0.001	<0.001	4.1	4.3	5.4	0.04	0.12	0.06	1.1	1.1	1.2
							0.46	341	29.0			28.8		8.5		156.9		10.3			1.2			<0.001			4.4			0.20			1.1		
						M	0.32	102	27.2	27.3		32.6	32.6	8.2	8.2	84.9	85.5	5.6	5.7		1.0	1.0		<0.001	<0.001		5.6	5.4		<0.02	<0.02		1.5	1.4	
							0.27	30	27.3			32.5		8.2		86.1		5.7			0.9			<0.001			5.2			<0.02			1.3		
						B	0.46	283	26.9	26.9		33.2	33.2	8.2	8.2	78.2	78.0	5.2	5.2	5.2	3.6	3.5		<0.001	<0.001		6.4	6.6		0.04	0.04		<1.0	<1.0	
							0.46	283	26.9			33.2		8.2		77.7		5.2			3.4			<0.001			6.8			0.04			<1.0		
	IM6	Cloudy	Calm	7:25	15.0	S	0.31	26	28.7	28.7	27.7	27.8	27.8	8.3	8.3	123.2	123.2	8.2	8.2	7.0	1.5	1.6	4.9	<0.001	<0.001	0.002	5.1	5.2	8.8	0.28	0.29	0.14	<1.0	<1.0	<1.0
							0.29	261	28.7			27.8		8.3		123.1		8.2			1.6			<0.001			5.3			0.30			<1.0		
						M	0.58	351	27.4	27.4		32.4	32.4	8.2	8.2	87.7	89.0	5.8	5.9		1.6	1.6		<0.001	<0.001		6.7	6.4		0.06	0.07		<1.0	<1.0	
							0.28	351	27.4			32.3		8.2		90.2		6.0			1.6			<0.001			6.1			0.07			<1.0		
						B	0.30	218	26.9	26.9		33.2	33.2	8.2	8.2	75.6	75.4	5.0	5.0	5.0	11.8	11.6		<0.001	0.003		14.4	14.7		0.05	0.05		<1.0	<1.0	
							0.10	27	26.9			33.2		8.2		75.2		5.0			11.4			0.004			15.0			0.05			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/07/25**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Calm	16:09	9.1	S	0.18	10	30.9	30.9		28.2	28.2	8.7	8.7	197.7	197.0	12.6	12.6	12.8	0.7	0.7		<0.001	<0.001		3.3	3.2		0.09	0.09		2.0	2.1	
							0.22	105	30.9			28.2		8.7		196.3		12.5			0.6			<0.001			3.0			0.09			2.1		
						M	0.13	42	29.7	29.8	29.4	29.7	29.6	8.7	8.7	188.3	201.5	12.2	13.0		0.6	0.7	2.1	<0.001	0.004	0.002	3.8	4.0	4.9	0.02	0.02	0.08	2.4	2.3	1.8
							0.13	57	30.0			29.5		8.7		214.7		13.8			0.7			0.007			4.1			0.02			2.2		
						B	0.48	81	27.5	27.5		32.1	32.1	8.0	8.0	85.1	69.1	5.6	4.6	4.6	4.7	4.9		<0.001	<0.001		7.7	7.5		0.15	0.14		1.0	1.2	
							0.48	81	27.5			32.1		8.0		53.1		3.5			5.1			<0.001			7.2			0.12			1.3		
	IM6	Fine	Calm	15:36	17.0	S	0.25	98	31.4	31.4		26.3	26.3	8.7	8.7	192.4	192.1	12.3	12.3	9.1	0.0	0.0		<0.001	<0.001		2.1	2.2		0.20	0.19		2.6	2.5	
							0.25	98	31.4			26.3		8.7		191.7		12.3			0.0			<0.001			2.3			0.17			2.4		
						M	0.14	33	27.5	27.5	28.5	32.0	32.0	8.2	8.2	88.1	89.6	5.8	5.9		0.7	0.8	3.5	<0.001	<0.001	<0.001	2.7	2.6	5.9	0.04	0.04	0.10	1.3	1.5	1.7
							0.20	85	27.5			32.0		8.2		91.1		6.0			0.8			<0.001			2.4			0.04			1.6		
						B	0.23	101	26.7	26.7		33.5	33.5	8.1	8.1	58.3	58.4	3.9	3.9	3.9	9.8	9.7		<0.001	<0.001		13.1	13.1		0.07	0.07		1.0	1.1	
							0.24	69	26.7			33.5		8.1		58.4		3.9			9.6			<0.001			13.0			0.07			1.1		
Mid-Flood	F3	Fine	Calm	9:40	18.0	S	0.22	188	29.8	29.8		26.7	26.6	8.7	8.7	183.6	184.2	12.0	12.1	8.4	0.9	1.0		<0.001	<0.001		3.2	3.0		0.19	0.19		1.3	1.4	
							0.22	188	29.8			26.5		8.7		184.8		12.1			1.0			<0.001			2.8			0.18			1.4		
						M	0.26	94	27.0	27.0	27.8	32.7	32.7	8.2	8.2	70.3	70.4	4.7	4.7		1.1	1.1	3.0	<0.001	<0.001	<0.001	3.7	3.9	4.9	0.06	0.06	0.10	<1.0	<1.0	1.1
							0.18	262	27.0			32.7		8.2		70.5		4.7			1.0			<0.001			4.0			0.05			<1.0		
						B	0.08	231	26.6	26.6		33.4	33.4	8.1	8.1	60.8	60.0	4.0	4.0	4.0	6.6	7.0		<0.001	<0.001		7.8	8.0		0.06	0.06		<1.0	<1.0	
							0.08	231	26.6			33.4		8.1		59.1		3.9			7.3			<0.001			8.1			0.06			<1.0		
	IM6	Fine	Calm	9:20	17.2	S	0.36	83	29.9	29.9		26.7	26.6	8.7	8.7	172.3	180.1	11.3	11.8	8.5	0.6	0.6		<0.001	0.004		4.0	4.2		0.18	0.18		1.7	1.7	
							0.36	83	29.9			26.6		8.7		187.9		12.3			0.6			0.006			4.3			0.18			1.6		
						M	0.35	5	27.3	27.2	27.9	32.1	32.3	8.2	8.2	80.9	77.8	5.4	5.2		1.1	1.2	3.4	<0.001	0.001	0.003	4.6	4.8	7.0	0.05	0.05	0.09	<1.0	<1.0	1.2
							0.15	327	27.1			32.5		8.2		74.6		5.0			1.2			0.001			5.0			0.05			<1.0		
						B	0.19	334	26.7	26.7		33.3	33.3	8.1	8.1	65.6	63.2	4.4	4.2	4.2	8.1	8.3		<0.001	0.004		12.2	12.0		0.05	0.05		<1.0	<1.0	
							0.32	139	26.7			33.3		8.1		60.8		4.0			8.5			0.006			11.8			0.05			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/07/31**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Rough	13:01	8.2	S	0.39	199	29.6	29.6	28.5	26.2	26.2	8.3	8.3	116.1	117.2	7.7	7.7	6.1	0.8	0.8	4.5	<0.001	<0.001	<0.001	2.8	2.7	6.6	0.34	0.34	0.25	<1.0	<1.0	<1.0
							0.10	283	29.6			26.2		8.3		118.3		7.8			0.7			<0.001			2.6			0.34			<1.0		
						M	0.56	121	28.2	28.1		30.3	30.4	8.0	8.0	68.6	66.9	4.5	4.4		4.9	5.1		<0.001	<0.001		6.8	6.9		0.21	0.21		<1.0	<1.0	
							0.56	121	28.1			30.5		8.0		65.1		4.3			5.3			<0.001			7.0			0.21			<1.0		
						B	0.17	224	27.8	27.8		31.2	31.2	7.9	7.9	56.2	56.3	3.7	3.7	3.7	7.7	7.7		<0.001	<0.001		10.4	10.3		0.19	0.19		<1.0	<1.0	
							0.64	99	27.9			31.2		8.0		56.4		3.7			7.7			<0.001			10.1			0.19			<1.0		
	IM6	Fine	Rough	13:32	15.0	S	0.37	199	29.6	29.6	28.0	26.3	26.3	8.3	8.3	114.8	115.5	7.6	7.6	5.6	0.6	0.7	3.6	<0.001	<0.001	<0.001	2.7	3.0	5.4	0.32	0.31	0.21	1.0	1.0	1.0
							0.37	199	29.6			26.4		8.3		116.2		7.7			0.7			<0.001			3.2			0.30			1.0		
						M	0.05	51	27.4	27.4		31.7	31.7	8.0	8.0	53.9	53.9	3.6	3.6		4.0	4.1		<0.001	<0.001		6.1	6.3		0.16	0.16		<1.0	<1.0	
							0.65	164	27.4			31.7		8.0		53.9		3.6			4.2			<0.001			6.4			0.16			<1.0		
						B	0.25	304	26.9	26.9		32.5	32.5	8.0	8.0	43.6	43.3	2.9	2.9	2.9	6.0	5.9		<0.001	<0.001		6.9	7.1		0.15	0.15		<1.0	<1.0	
							0.39	15	27.0			32.5		8.0		42.9		2.9			5.8			<0.001			7.3			0.14			<1.0		
Mid-Flood	F3	Fine	Rough	18:05	16.7	S	0.47	349	29.8	29.8	27.9	26.2	26.2	8.4	8.4	119.0	119.7	7.8	7.9	5.9	0.5	0.5	5.2	<0.001	<0.001	<0.001	2.5	2.7	7.4	0.33	0.33	0.21	1.2	1.2	1.1
							0.28	20	29.8			26.3		8.4		120.4		7.9			0.5			<0.001			2.8			0.33			1.2		
						M	0.36	231	27.7	27.8		31.3	31.0	8.0	8.0	57.2	58.6	3.8	3.9		3.9	3.7		<0.001	<0.001		5.0	4.8		0.19	0.20		<1.0	<1.0	
							0.13	338	27.9			30.6		8.0		59.9		4.0			3.5			<0.001			4.6			0.20			<1.0		
						B	0.55	310	26.2	26.2		33.3	33.3	7.9	7.9	45.0	44.7	3.0	3.0	3.0	11.2	11.3		<0.001	<0.001		14.9	14.7		0.11	0.11		<1.0	<1.0	
							0.04	123	26.2			33.3		7.9		44.4		3.0			11.4			<0.001			14.4			0.10			<1.0		
	IM6	Fine	Rough	17:50	15.4	S	0.40	9	29.4	29.2	27.8	27.2	27.7	8.3	8.3	110.9	106.7	7.3	7.0	5.4	1.2	1.3	7.8	<0.001	<0.001	0.003	2.8	2.8	6.1	0.29	0.30	0.22	1.3	1.4	1.1
							0.40	9	29.0			28.1		8.2		102.5		6.8			1.3			<0.001			2.8			0.30			1.5		
						M	0.46	106	27.8	27.8		30.7	30.8	8.0	8.0	56.3	56.3	3.7	3.7		5.3	5.4		<0.001	<0.001		7.6	7.5		0.21	0.21		<1.0	<1.0	
							0.12	271	27.8			30.8		8.0		56.3		3.7			5.5			<0.001			7.3			0.20			<1.0		
						B	0.37	333	26.5	26.5		33.0	33.0	7.9	7.9	40.1	39.8	2.7	2.7	2.7	16.8	16.7		<0.001	0.006		8.3	8.1		0.14	0.15		<1.0	<1.0	
							0.56	163	26.5			33.0		7.9		39.4		2.6			16.5			0.011			7.9			0.15			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2023/08/09**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Calm	17:50	8.9	S	0.30	122	30.0	30.0	28.6	28.8	28.8	8.4	8.4	172.6	173.4	11.1	11.2	9.2	0.7	0.7	1.5	<0.001	<0.001	<0.001	4.2	4.0	4.6	0.10	0.10	0.13	2.0	1.8	1.4
							0.18	32	30.0			28.8		8.4		174.2		11.2			0.6			<0.001			3.8			0.10			1.6		
						M	0.41	322	28.6	28.7		30.1	30.1	8.2	8.2	109.4	111.2	7.2	7.3		1.0	1.0		<0.001	<0.001		4.4	4.6		0.14	0.14		1.3	1.4	
							0.07	290	28.7			30.0		8.2		113.0		7.4			1.0			<0.001			4.8			0.14			1.4		
						B	0.06	168	27.2	27.1		32.1	32.4	8.0	8.0	65.4	61.0	4.3	4.0	4.0	2.8	3.0		<0.001	<0.001		5.4	5.3		0.14	0.14		<1.0	<1.0	
							0.52	49	26.9			32.6		8.0		56.5		3.8			3.1			<0.001			5.1			0.14			<1.0		
	IM6	Cloudy	Calm	17:20	16.2	S	0.09	245	30.0	30.0	27.3	28.1	28.1	8.4	8.4	169.7	170.4	11.0	11.0	7.8	0.5	0.5	4.8	<0.001	0.004	0.002	3.4	3.6	8.2	0.16	0.16	0.10	2.4	2.2	1.4
							0.09	245	30.1			28.1		8.4		171.1		11.1			0.5			0.007			3.8			0.16			1.9		
						M	0.28	325	26.1	26.1		33.6	33.6	8.0	8.0	68.5	68.6	4.6	4.6		2.8	2.6		<0.001	0.001		4.2	4.4		0.09	0.09		<1.0	<1.0	
							0.56	33	26.1			33.6		8.0		68.6		4.6			2.4			0.001			4.5			0.08			<1.0		
						B	0.62	44	25.7	25.7		33.8	33.8	8.0	8.0	69.1	69.4	4.7	4.7	4.7	11.2	11.2		<0.001	<0.001		16.3	16.6		0.06	0.06		<1.0	<1.0	
							0.62	44	25.7			33.8		8.0		69.7		4.7			11.1			<0.001			16.8			0.06			<1.0		
Mid-Flood	F3	Cloudy	Calm	12:27	17.6	S	0.31	10	29.2	29.3	27.1	27.8	27.7	8.2	8.2	123.4	124.6	8.1	8.2	6.0	0.7	0.7	4.3	<0.001	<0.001	<0.001	3.1	3.3	7.5	0.28	0.28	0.15	1.0	1.1	1.0
							0.38	26	29.3			27.7		8.3		125.7		8.3			0.6			<0.001			3.5			0.28			1.2		
						M	0.37	216	26.6	26.5		33.3	33.3	8.0	8.0	57.8	58.7	3.9	3.9		1.8	1.7		<0.001	<0.001		5.1	4.9		0.11	0.11		<1.0	<1.0	
							0.76	248	26.5			33.4		8.0		59.5		4.0			1.6			<0.001			4.6			0.11			<1.0		
						B	0.46	320	25.7	25.7		33.8	33.8	8.1	8.1	69.2	69.1	4.7	4.7	4.7	10.8	10.5		<0.001	<0.001		14.4	14.2		0.05	0.05		<1.0	<1.0	
							0.46	320	25.7			33.8		8.1		69.0		4.7			10.2			<0.001			14.0			0.05			<1.0		
	IM6	Cloudy	Calm	12:15	16.2	S	0.21	355	28.6	28.8	26.9	29.2	28.4	8.1	8.1	95.3	98.1	6.3	6.5	5.5	0.5	0.5	3.9	<0.001	<0.001	<0.001	3.4	3.3	6.7	0.30	0.30	0.15	1.0	1.0	1.0
							0.21	355	29.0			27.7		8.2		100.9		6.7			0.5			<0.001			3.2			0.30			1.0		
						M	1.16	164	26.2	26.2		33.5	33.5	8.0	8.0	66.7	66.6	4.5	4.5		2.9	2.9		<0.001	<0.001		4.4	4.3		0.09	0.10		<1.0	<1.0	
							0.34	6	26.2			33.5		8.0		66.4		4.5			2.8			<0.001			4.2			0.10			<1.0		
						B	0.76	35	25.8	25.8		33.7	33.7	8.0	8.0	66.6	66.5	4.5	4.5	4.5	8.5	8.4		<0.001	<0.001		12.2	12.5		0.05	0.06		<1.0	<1.0	
							0.26	102	25.8			33.7		8.0		66.3		4.5			8.3			<0.001			12.8			0.06			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/08/14**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Calm	10:44	9.0	S	0.46	50	28.3	28.3	27.4	27.4	27.4	8.3	8.3	120.7	121.1	8.1	8.1	6.8	1.0	1.0	1.4	<0.001	<0.001	<0.001	2.7	2.9	4.2	0.33	0.33	0.21	<1.0	<1.0	<1.0
							0.46	50	28.3			27.4		8.3		121.4		8.1			0.9			<0.001			3.1			0.33			<1.0		
						M	0.10	290	27.2	27.2		30.6	30.6	8.1	8.1	82.9	83.2	5.5	5.6		0.7	0.7		<0.001	<0.001		4.1	4.4		0.18	0.18		<1.0	<1.0	
							0.10	290	27.3			30.5		8.1		83.4		5.6			0.7			<0.001			4.6			0.18			<1.0		
						B	0.23	120	26.6	26.6		32.6	32.7	7.9	7.9	45.1	44.3	3.0	3.0	3.0	2.4	2.5		<0.001	<0.001		5.2	5.4		0.12	0.13		<1.0	<1.0	
							0.43	37	26.5			32.7		7.9		43.5		2.9			2.5			<0.001			5.5			0.13			<1.0		
	IM6	Cloudy	Calm	11:15	17.2	S	0.36	202	28.6	28.6	26.7	26.4	26.4	8.3	8.3	116.9	117.6	7.8	7.9	6.3	0.7	0.7	3.7	<0.001	<0.001	<0.001	3.0	2.9	6.5	0.39	0.39	0.18	<1.0	<1.0	<1.0
							0.26	129	28.6			26.5		8.3		118.2		7.9			0.7			<0.001			2.8			0.39			<1.0		
						M	0.52	155	26.5	26.6		32.9	32.9	8.1	8.1	71.8	72.2	4.8	4.8		0.5	0.5		<0.001	<0.001		3.6	3.4		0.09	0.10		<1.0	<1.0	
							0.52	155	26.6			32.9		8.1		72.5		4.8			0.5			<0.001			3.2			0.10			<1.0		
						B	0.72	81	24.9	24.9		33.9	33.9	8.0	8.0	63.2	62.9	4.3	4.3	4.3	9.5	9.9		<0.001	<0.001		13.5	13.3		0.06	0.06		<1.0	<1.0	
							0.59	32	24.9			33.9		8.0		62.6		4.3			10.3			<0.001			13.1			0.06			<1.0		
Mid-Flood	F3	Cloudy	Calm	18:05	17.5	S	0.64	329	28.5	28.5	26.5	27.2	27.2	8.3	8.3	125.1	126.2	8.3	8.4	6.3	0.6	0.6	4.2	<0.001	<0.001	<0.001	3.0	2.9	6.3	0.35	0.35	0.17	<1.0	<1.0	1.0
							0.41	349	28.5			27.2		8.3		127.2		8.5			0.6			<0.001			2.8			0.35			<1.0		
						M	0.63	259	26.2	26.1		33.1	33.1	8.0	8.0	61.9	61.9	4.2	4.2		2.6	2.7		<0.001	<0.001		3.8	4.1		0.11	0.11		1.0	1.1	
							0.50	256	26.0			33.2		8.0		61.9		4.2			2.8			<0.001			4.3			0.10			1.2		
						B	0.42	255	24.8	24.8		33.8	33.8	8.0	8.0	65.3	65.2	4.5	4.5	4.5	8.8	9.4		<0.001	<0.001		12.2	12.0		0.06	0.06		<1.0	<1.0	
							0.40	158	24.8			33.8		8.0		65.0		4.5			9.9			<0.001			11.8			0.06			<1.0		
	IM6	Cloudy	Calm	17:54	16.1	S	0.55	290	28.1	28.1	26.2	28.6	28.6	8.2	8.2	112.6	113.2	7.5	7.5	6.0	0.6	0.6	5.6	<0.001	<0.001	0.001	3.1	3.3	10.5	0.29	0.29	0.14	<1.0	<1.0	<1.0
							0.55	290	28.1			28.6		8.2		113.7		7.6			0.6			<0.001			3.5			0.29			<1.0		
						M	1.27	206	25.4	25.4		33.4	33.4	8.0	8.0	65.4	65.4	4.4	4.4		6.3	6.0		<0.001	<0.001		9.8	10.0		0.08	0.08		<1.0	<1.0	
							0.67	51	25.5			33.4		8.0		65.3		4.4			5.6			<0.001			10.1			0.07			<1.0		
						B	0.58	216	25.1	25.1		33.7	33.7	8.0	8.0	64.0	63.9	4.4	4.4	4.4	10.8	10.4		<0.001	0.002		18.6	18.3		0.06	0.06		<1.0	<1.0	
							0.58	216	25.1			33.7		8.0		63.8		4.4			9.9			0.002			18.0			0.06			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/08/22**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Calm	15:15	9.0	S	0.33	193	28.0	28.0	26.9	30.1	30.1	8.3	8.3	139.7	144.8	9.3	9.6	7.5	1.7	1.7	2.8	<0.001	<0.001	0.002	4.0	4.2	5.1	0.13	0.13	0.16	2.2	2.2	1.4
							0.33	193	28.0			30.0		8.4		149.9		9.9			1.6			<0.001			4.4			0.13			2.2		
						M	0.27	190	26.5	26.5		31.0	31.0	8.1	8.1	79.2	78.9	5.4	5.3		2.7	2.7		<0.001	<0.001		5.1	5.0		0.20	0.20		<1.0	<1.0	
							0.27	190	26.5			31.0		8.1		78.5		5.3			2.6			<0.001			4.8			0.19			<1.0		
						B	0.64	125	26.3	26.3		31.4	31.4	8.0	8.0	70.2	67.3	4.8	4.6	4.6	3.9	4.0		<0.001	0.005		6.0	6.2		0.16	0.17		<1.0	<1.0	
							0.31	31	26.3			31.4		8.0		64.4		4.4			4.1			0.009			6.4			0.17			<1.0		
	IM6	Fine	Calm	14:38	16.0	S	0.26	83	30.2	29.8	26.6	28.6	28.8	8.3	8.4	154.9	160.5	10.0	10.4	8.0	1.6	1.6	2.7	<0.001	<0.001	<0.001	3.6	3.8	5.2	0.23	0.24	0.16	2.5	2.5	1.5
							0.29	124	29.3			28.9		8.4		166.0		10.8			1.5			<0.001			4.0			0.24			2.4		
						M	0.57	80	26.0	26.0		32.1	32.0	8.1	8.1	81.8	82.4	5.5	5.6		0.9	0.9		<0.001	<0.001		5.0	5.2		0.13	0.13		<1.0	<1.0	
							0.57	80	26.1			32.0		8.1		83.0		5.6			0.9			<0.001			5.4			0.13			<1.0		
						B	0.68	32	23.9	23.9		33.8	33.8	8.0	8.0	61.1	60.3	4.2	4.2	4.2	5.2	5.6		<0.001	<0.001		6.8	6.6		0.10	0.10		<1.0	<1.0	
							0.68	32	23.9			33.8		8.0		59.5		4.1			5.9			<0.001			6.4			0.10			<1.0		
Mid-Flood	F3	Fine	Calm	8:50	17.6	S	0.48	333	27.5	27.5	25.7	29.4	29.4	8.3	8.3	125.0	125.5	8.4	8.4	6.9	0.9	1.0	3.2	<0.001	<0.001	<0.001	4.2	4.4	7.9	0.18	0.18	0.12	<1.0	<1.0	<1.0
							0.32	270	27.5			29.4		8.3		126.0		8.4			1.0			<0.001			4.6			0.17			<1.0		
						M	0.22	268	25.6	25.6		33.0	33.1	8.1	8.1	80.9	80.7	5.5	5.5		0.1	0.1		<0.001	<0.001		5.0	5.2		0.06	0.07		<1.0	<1.0	
							0.34	187	25.6			33.1		8.1		80.5		5.5			0.1			<0.001			5.3			0.07			<1.0		
						B	0.19	330	23.8	23.8		33.8	33.7	8.0	8.0	58.3	57.6	4.1	4.0	4.0	7.9	8.4		<0.001	<0.001		14.3	14.1		0.10	0.11		<1.0	<1.0	
							0.19	330	23.8			33.7		8.0		56.8		4.0			8.9			<0.001			13.9			0.11			<1.0		
	IM6	Fine	Calm	8:34	16.0	S	0.46	303	27.6	27.6	25.7	28.3	28.2	8.2	8.2	106.1	106.8	7.2	7.2	6.0	2.8	2.7	4.0	<0.001	0.004	0.002	4.5	4.7	6.4	0.38	0.36	0.20	<1.0	<1.0	<1.0
							0.46	303	27.6			28.2		8.2		107.5		7.2			2.6			0.007			4.8			0.34			<1.0		
						M	0.21	281	25.6	25.5		32.4	32.4	8.0	8.0	69.8	70.0	4.8	4.8		3.0	2.9		<0.001	<0.001		5.6	5.4		0.14	0.14		<1.0	<1.0	
							0.21	281	25.5			32.4		8.0		70.2		4.8			2.8			<0.001			5.2			0.14			<1.0		
						B	0.51	334	24.0	24.0		33.8	33.8	8.0	8.0	60.0	59.2	4.2	4.1	4.1	6.1	6.5		<0.001	<0.001		8.8	9.0		0.09	0.10		<1.0	<1.0	
							0.51	334	24.0			33.8		8.0		58.3		4.1			6.9			<0.001			9.2			0.10			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/08/28**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Calm	9:38	8.3	S	0.36	130	28.8	28.8	27.5	23.7	23.7	8.4	8.4	132.9	132.7	9.0	9.0	7.6	0.4	0.4	0.8	<0.001	<0.001	<0.001	2.2	2.2	2.0	0.47	0.47	0.30	1.3	1.2	1.1
							0.36	130	28.8			23.6		8.4		132.4		9.0			0.4			<0.001			2.1			0.46			1.1		
						M	0.17	29	27.3	27.3		30.2	30.2	8.1	8.1	91.3	93.3	6.1	6.2		1.0	1.1		<0.001	<0.001		2.1	2.1		0.20	0.20		1.1	1.1	
							0.46	13	27.3			30.2		8.1		95.3		6.4			1.1			<0.001			2.0			0.19			1.0		
						B	0.28	63	26.4	26.4		31.1	31.1	8.0	8.0	70.5	68.6	4.8	4.6	4.6	1.0	1.1		<0.001	<0.001		1.6	1.8		0.23	0.23		1.2	1.2	
							0.44	15	26.4			31.2		8.0		66.7		4.5			1.1			<0.001			1.9			0.22			1.1		
	IM6	Fine	Calm	9:05	16.0	S	0.22	79	28.5	28.5	25.9	23.7	23.9	8.4	8.4	125.0	125.2	8.5	8.5	6.6	0.9	0.9	1.9	<0.001	<0.001	<0.001	2.6	2.5	2.5	0.53	0.53	0.29	1.0	1.1	1.0
							0.51	172	28.4			24.1		8.3		125.3		8.5			0.8			<0.001			2.4			0.52			1.1		
						M	0.22	64	25.8	25.8		31.6	31.5	8.0	8.0	66.8	67.5	4.6	4.6		0.4	0.4		<0.001	<0.001		1.1	1.2		0.18	0.18		<1.0	<1.0	
							0.22	64	25.8			31.5		8.0		68.1		4.6			0.4			<0.001			1.2			0.17			<1.0		
						B	0.27	113	23.4	23.4		33.8	33.8	7.9	7.9	46.7	46.1	3.3	3.2	3.2	4.5	4.6		<0.001	<0.001		1.5	3.9		0.18	0.16		<1.0	<1.0	
							0.20	55	23.4			33.8		7.9		45.4		3.2			4.6			<0.001			6.2			<1.0			<1.0		
Mid-Flood	F3	Fine	Calm	17:08	17.2	S	0.33	306	27.9	27.9	25.8	27.2	27.3	8.4	8.4	135.2	136.4	9.1	9.2	7.1	0.7	0.7	2.9	<0.001	0.012	0.005	2.1	2.2	4.2	0.31	0.33	0.22	1.3	1.2	1.1
							0.32	302	27.9			27.3		8.4		137.5		9.3			0.7			0.023			2.3			1.0			1.0		
						M	0.15	108	26.3	26.3		30.9	30.8	8.1	8.1	74.2	74.4	5.0	5.0		1.0	1.0		<0.001	<0.001		1.2	1.4		0.20	0.21		1.2	1.2	
							0.84	23	26.3			30.8		8.1		74.5		5.1			1.0			<0.001			1.5			0.21			1.1		
						B	0.32	2	23.2	23.2		33.9	33.9	7.9	7.9	45.8	45.2	3.2	3.2	3.2	6.8	6.9		<0.001	<0.001		8.9	9.1		0.13	0.14		<1.0	<1.0	
							0.38	329	23.2			33.9		7.9		44.5		3.1			7.0			<0.001			9.3			0.14			<1.0		
	IM6	Fine	Calm	16:54	16.0	S	0.80	255	27.7	27.7	25.5	27.0	27.4	8.3	8.3	116.7	115.8	7.9	7.8	6.0	1.1	1.1	3.3	<0.001	<0.001	<0.001	1.8	1.8	4.4	0.38	0.38	0.23	1.3	1.4	1.1
							0.49	286	27.6			27.8		8.3		114.8		7.8			1.1			<0.001			1.8			0.37			1.4		
						M	0.18	223	25.3	25.3		32.0	32.0	8.0	8.0	58.7	59.9	4.0	4.1		1.5	1.5		<0.001	<0.001		2.5	2.4		0.19	0.19		<1.0	<1.0	
							0.18	223	25.3			31.9		8.0		61.0		4.2			1.4			<0.001			2.3			0.18			<1.0		
						B	0.22	246	23.4	23.4		33.8	33.8	7.9	7.9	44.9	44.3	3.2	3.1	3.1	7.2	7.5		<0.001	<0.001		8.9	9.0		0.13	0.13		<1.0	<1.0	
							0.51	333	23.4			33.7		7.9		43.7		3.1			7.7			<0.001			9.1			0.13			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/09/09**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Rainy	Moderate	8:09	9.6	S	0.46	186	26.2	26.2	26.2	30.1	30.1	8.1	8.1	96.5	96.5	6.6	6.6	6.6	1.0	1.1	5.3	<0.001	<0.001	0.001	2.1	2.1	2.8	0.23	0.23	0.20	<1.0	<1.0	<1.0
							0.46	186	26.2			30.2		8.1		96.5		6.6			1.1			<0.001			2.0			0.22			<1.0		
						M	0.29	20	26.2	26.2		30.3	30.2	8.1	8.1	95.6	95.9	6.5	6.5		1.3	1.2		<0.001	0.001		2.1	2.0		0.21	0.21		<1.0	<1.0	
							0.11	241	26.2			30.2		8.1		96.1		6.6			1.1			0.001			1.8			0.20			<1.0		
						B	0.48	122	26.2	26.2		31.0	30.9	8.1	8.1	92.1	92.3	6.3	6.3	6.3	14.5	13.8		<0.001	<0.001		5.4	4.5		0.17	0.18		<1.0	<1.0	
							0.48	122	26.2			30.9		8.1		92.4		6.3			13.0			<0.001			3.6			0.18			<1.0		
	IM6	Rainy	Moderate	8:42	17.0	S	0.05	172	26.2	26.2	25.8	30.5	30.5	8.2	8.2	94.3	94.9	6.4	6.5	6.1	0.7	0.8	5.8	<0.001	<0.001	<0.001	1.4	1.4	6.9	0.19	0.19	0.18	<1.0	<1.0	<1.0
							0.38	216	26.2			30.5		8.2		95.5		6.5			0.8			<0.001			1.4			0.19			<1.0		
						M	0.49	357	26.0	26.0		32.4	32.4	8.2	8.2	84.4	85.6	5.7	5.8		1.8	1.7		<0.001	<0.001		2.4	2.4		0.13	0.13		<1.0	<1.0	
							0.62	158	26.0			32.3		8.2		86.8		5.9			1.5			<0.001			2.4			0.12			<1.0		
						B	0.10	354	25.3	25.3		33.4	33.4	8.0	8.0	66.3	64.4	4.5	4.4	4.4	13.9	14.9		<0.001	<0.001		19.2	16.9		0.22	0.22		<1.0	<1.0	
							0.10	354	25.3			33.5		8.0		62.4		4.3			15.9			<0.001			14.5			0.22			<1.0		
Mid-Flood	F3	Rainy	Moderate	20:33	16.0	S	0.61	307	26.1	26.1	25.9	30.7	30.6	8.2	8.2	98.8	98.9	6.7	6.7	6.5	0.4	0.4	2.6	<0.001	<0.001	<0.001	1.2	1.3	1.8	0.16	0.16	0.12	<1.0	<1.0	<1.0
							0.65	278	26.1			30.6		8.2		98.9		6.7			0.4			<0.001			1.4			0.15			<1.0		
						M	0.16	340	26.1	26.1		32.7	32.7	8.2	8.2	92.1	94.3	6.2	6.3		0.5	0.5		<0.001	<0.001		1.2	1.1		0.06	0.06		<1.0	<1.0	
							0.16	340	26.1			32.7		8.2		96.4		6.5			0.4			<0.001			<1.0			0.06			<1.0		
						B	0.29	303	25.4	25.4		33.5	33.5	8.0	8.0	73.7	73.8	5.0	5.0	5.0	7.6	6.9		<0.001	<0.001		2.9	3.1		0.15	0.16		<1.0	<1.0	
							0.35	303	25.5			33.5		8.0		73.8		5.0			6.1			<0.001			3.3			0.16			<1.0		
	IM6	Rainy	Moderate	20:19	15.0	S	0.23	153	26.1	26.0	25.7	30.9	30.9	8.1	8.1	92.7	93.6	6.3	6.4	5.8	1.5	1.5	6.2	<0.001	<0.001	<0.001	2.3	2.4	8.5	0.16	0.17	0.17	<1.0	<1.0	<1.0
							0.23	153	26.0			30.9		8.1		94.4		6.4			1.5			<0.001			2.4			0.17			<1.0		
						M	0.46	329	25.8	25.8		32.4	32.2	8.1	8.1	76.8	78.1	5.2	5.3		6.4	6.1		<0.001	<0.001		8.3	8.7		0.16	0.16		<1.0	<1.0	
							0.46	329	25.8			32.0		8.1		79.3		5.4			5.7			<0.001			9.0			0.16			<1.0		
						B	0.35	342	25.4	25.4		33.4	33.4	8.0	8.0	74.3	73.0	5.1	5.0	5.0	11.0	10.9		<0.001	<0.001		13.8	14.4		0.18	0.18		<1.0	<1.0	
							0.35	342	25.4			33.4		8.0		71.7		4.9			10.8			<0.001			15.0			0.17			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/09/11**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Moderate	10:18	9.4	S	0.34	337	26.1	26.1		29.4	29.4	8.1	8.1	93.5	94.8	6.4	6.5		0.3	0.3		<0.001	<0.001		3.2	3.4		0.22	0.23		<1.0	<1.0	
							0.38	81	26.1			29.4		8.1		96.1		6.6			0.3			<0.001			3.5			0.23			<1.0		
						M	0.04	17	26.0	26.0	26.1	31.0	31.0	8.0	8.0	82.7	82.3	5.6	5.6	6.1	2.7	2.6	1.9	<0.001	0.002	0.002	4.9	4.7	4.4	0.22	0.23	0.18	<1.0	<1.0	<1.0
							0.51	148	26.0			30.9		8.0		81.8		5.6			2.5			0.003			4.4			0.23			<1.0		
						B	0.10	311	26.1	26.1		32.5	32.5	8.1	8.1	92.5	92.1	6.2	6.2	6.2	2.5	2.7		<0.001	0.003		5.4	5.2		0.09	0.09		<1.0	<1.0	
							0.13	344	26.1			32.5		8.1		91.6		6.2			2.8			0.004			5.0			0.08			<1.0		
	IM6	Cloudy	Moderate	9:45	17.6	S	0.54	154	26.0	26.0		30.8	30.8	8.1	8.1	90.7	90.6	6.2	6.2		0.3	0.3		<0.001	0.001		2.8	3.1		0.28	0.28		<1.0	<1.0	
							0.10	5	26.0			30.8		8.1		90.5		6.2		6.1	0.3			0.001			3.4			0.28			<1.0		
						M	0.35	142	26.0	26.0	26.1	32.9	32.9	8.1	8.1	90.4	90.4	6.1	6.1		1.6	1.5	4.4	<0.001	<0.001	0.001	4.6	4.8	7.3	0.08	0.08	0.14	<1.0	<1.0	<1.0
							0.48	36	26.0			32.9		8.1		90.4		6.1			1.4			<0.001			5.0			0.08			<1.0		
						B	1.17	116	26.1	26.1		33.5	33.5	8.1	8.1	91.2	91.1	6.1	6.1	6.1	11.9	11.4		<0.001	<0.001		13.9	14.1		0.05	0.05		<1.0	<1.0	
							1.17	116	26.1			33.5		8.1		91.0		6.1			10.8			<0.001			14.2			0.04			<1.0		
Mid-Flood	F3	Rainy	Rough	17:15	17.1	S	0.51	261	26.3	26.3		30.3	30.3	8.1	8.1	95.6	96.4	6.5	6.6		0.4	0.4		<0.001	<0.001		2.2	2.4		0.22	0.21		<1.0	<1.0	
							0.17	290	26.3			30.3		8.1		97.1		6.6		6.3	0.4			<0.001			2.5			0.20			<1.0		
						M	0.11	48	26.0	26.0	26.1	31.8	31.6	8.1	8.1	87.9	88.4	6.0	6.0		1.3	1.2	3.8	<0.001	<0.001	<0.001	3.6	3.7	5.7	0.15	0.16	0.14	<1.0	<1.0	<1.0
							0.31	251	26.0			31.3		8.1		88.8		6.0			1.1			<0.001			3.8			0.16			<1.0		
						B	0.68	302	26.1	26.1		33.3	33.3	8.1	8.1	88.4	88.3	5.9	5.9	5.9	10.5	9.8		<0.001	<0.001		11.2	11.0		0.07	0.07		<1.0	<1.0	
							0.48	341	26.1			33.3		8.1		88.1		5.9			9.1			<0.001			10.8			0.06			<1.0		
	IM6	Rainy	Rough	17:01	16.1	S	0.45	78	26.3	26.3		28.3	28.3	8.1	8.1	95.1	95.5	6.6	6.6		1.0	1.1		<0.001	<0.001		4.3	4.2		0.36	0.36		<1.0	<1.0	
							0.45	78	26.3			28.4		8.1		95.8		6.6		6.4	1.1			<0.001			4.1			0.36			<1.0		
						M	0.79	193	26.1	26.1	26.1	30.5	30.5	8.1	8.1	90.8	91.2	6.2	6.2		1.0	1.1	6.4	<0.001	<0.001	<0.001	5.4	5.2	10.7	0.22	0.23	0.23	<1.0	<1.0	<1.0
							0.79	193	26.1			30.5		8.1		91.6		6.2			1.2			<0.001			4.9			0.23			<1.0		
						B	0.69	170	26.0	26.0		32.6	32.6	8.1	8.1	90.6	89.7	6.1	6.1	6.1	16.8	17.1		<0.001	<0.001		23.7	22.9		0.09	0.10		<1.0	<1.0	
							0.69	170	26.0			32.7		8.1		88.8		6.0			17.4			<0.001			22.0			0.11			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/09/20**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Calm	14:58	9.1	S	0.30	36	29.6	29.5	28.2	27.4	27.5	8.5	8.5	167.0	169.7	10.9	11.1	9.8	2.9	2.7	5.3	<0.001	<0.001	<0.001	5.9	5.8	9.5	0.28	0.28	0.24	1.5	1.7	1.3
							0.06	145	29.5			27.5		8.5		172.4		11.3			2.5			<0.001			5.6			0.27			1.9		
						M	0.54	348	27.8	27.8		29.0	29.0	8.3	8.3	124.8	127.7	8.3	8.5		3.5	3.5		<0.001	<0.001		7.9	8.1		0.22	0.21		1.1	1.1	
							0.43	346	27.8			29.0		8.3		130.6		8.7			3.5			<0.001			8.3			0.20			1.0		
						B	0.58	320	27.2	27.2		30.8	30.8	8.1	8.1	90.1	88.7	6.0	5.9	5.9	10.0	9.8		<0.001	<0.001		14.5	14.7		0.23	0.23		<1.0	<1.0	
							0.58	320	27.2			30.8		8.1		87.3		5.8			9.5			<0.001			14.9			0.22			<1.0		
	IM6	Fine	Calm	14:26	16.8	S	0.32	357	28.9	28.9	27.3	25.7	25.7	8.5	8.5	144.6	150.6	9.7	10.1	7.9	2.9	2.9	3.8	<0.001	<0.001	<0.001	4.4	4.6	5.5	0.36	0.35	0.18	2.1	2.1	1.4
							0.32	357	28.9			25.7		8.5		156.6		10.5			2.9			<0.001			4.8			0.34			2.0		
						M	0.03	109	26.6	26.6		32.3	32.3	8.2	8.2	86.6	86.8	5.8	5.8		3.1	3.1		<0.001	<0.001		5.5	5.4		0.12	0.11		<1.0	<1.0	
							0.15	349	26.6			32.3		8.2		86.9		5.8			3.1			<0.001			5.2			0.10			<1.0		
						B	0.26	101	26.4	26.4		33.1	33.1	8.1	8.1	79.2	79.1	5.3	5.3	5.3	5.5	5.3		<0.001	<0.001		6.8	6.6		0.07	0.08		<1.0	<1.0	
							0.17	214	26.4			33.1		8.1		79.0		5.3			5.1			<0.001			6.4			0.09			<1.0		
Mid-Flood	F3	Fine	Calm	9:10	18.0	S	0.16	261	28.0	28.0	27.0	26.9	27.0	8.4	8.4	124.9	127.9	8.4	8.6	7.1	2.4	2.4	3.8	<0.001	<0.001	0.001	4.6	4.5	6.4	0.35	0.36	0.19	<1.0	<1.0	<1.0
							0.16	261	28.0			27.0		8.4		130.8		8.8			2.4			<0.001			4.3			0.37			<1.0		
						M	0.12	202	26.6	26.6		32.2	32.3	8.2	8.2	83.9	83.8	5.6	5.6		2.3	2.3		<0.001	0.002		5.2	5.4		0.14	0.13		<1.0	<1.0	
							0.37	260	26.6			32.4		8.2		83.6		5.6			2.3			0.003			5.6			0.11			<1.0		
						B	0.31	296	26.4	26.4		33.2	33.2	8.2	8.2	81.6	80.9	5.5	5.4	5.4	6.6	6.7		<0.001	<0.001		9.5	9.3		0.08	0.08		<1.0	<1.0	
							0.31	296	26.4			33.2		8.2		80.2		5.4			6.8			<0.001			9.1			0.08			<1.0		
	IM6	Fine	Calm	8:40	16.4	S	0.35	315	28.2	28.1	27.2	25.8	25.8	8.5	8.5	127.2	130.4	8.6	8.8	7.6	2.1	2.1	5.5	<0.001	0.002	0.001	4.7	4.6	7.9	0.39	0.40	0.24	<1.0	<1.0	<1.0
							0.35	315	28.1			25.8		8.5		133.6		9.0			2.1			0.002			4.4			0.41			<1.0		
						M	0.08	220	27.1	27.1		30.7	30.7	8.2	8.2	94.5	94.3	6.3	6.3		3.9	3.9		<0.001	<0.001		5.3	5.4		0.19	0.21		<1.0	<1.0	
							0.53	183	27.1			30.8		8.2		94.1		6.3			3.9			<0.001			5.5			0.22			<1.0		
						B	0.26	327	26.5	26.5		32.9	32.9	8.2	8.2	83.9	82.3	5.6	5.5	5.5	11.0	10.5		<0.001	<0.001		13.9	13.7		0.12	0.11		<1.0	<1.0	
							0.56	334	26.5			32.9		8.2		80.6		5.4			10.0			<0.001			13.4			0.09			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/09/26**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Moderate	9:12	9.3	S	0.52	357	28.7	28.7	28.3	29.3	29.3	8.4	8.4	102.2	103.0	6.7	6.8	6.5	1.0	1.0	4.2	<0.001	<0.001	<0.001	3.1	3.0	6.8	0.18	0.18	0.16	<1.0	<1.0	<1.0
							0.52	357	28.7			29.3		8.4		103.7		6.8			1.0			<0.001			2.8			0.18			<1.0		
						M	0.20	74	28.4	28.5		29.8	29.7	8.3	8.3	90.7	93.4	6.0	6.2		2.1	1.8		<0.001	<0.001		5.5	5.3		0.18	0.18		<1.0	<1.0	
							0.76	119	28.5			29.6		8.3		96.1		6.3			1.4			<0.001			5.0			0.18			<1.0		
						B	0.41	120	27.9	27.9		31.8	31.8	8.2	8.2	86.0	84.1	5.7	5.5	5.5	9.2	10.0		<0.001	<0.001		11.9	12.1		0.13	0.13		<1.0	<1.0	
							0.35	46	27.9			31.8		8.2		82.1		5.4			10.7			<0.001			12.3			0.12			<1.0		
	IM6	Fine	Moderate	8:39	17.2	S	0.32	267	28.2	28.2	28.1	30.9	30.9	8.3	8.3	102.8	103.1	6.8	6.8	6.6	0.1	0.1	2.4	<0.001	<0.001	<0.001	1.9	1.8	4.0	0.11	0.12	0.08	<1.0	<1.0	<1.0
							0.32	267	28.3			30.8		8.3		103.4		6.8			0.1			<0.001			1.6			0.12			<1.0		
						M	0.20	0	28.2	28.2		32.2	32.2	8.3	8.3	99.1	99.5	6.5	6.5		0.7	0.8		<0.001	<0.001		2.2	2.3		0.04	0.04		<1.0	<1.0	
							0.03	33	28.2			32.2		8.3		99.9		6.5			0.8			<0.001			2.4			0.03			<1.0		
						B	1.06	131	28.0	28.0		32.3	32.3	8.2	8.2	92.1	89.7	6.0	5.9	5.9	5.4	6.5		<0.001	<0.001		8.0	7.8		0.08	0.07		<1.0	<1.0	
							0.59	146	27.9			32.4		8.2		87.2		5.7			7.5			<0.001			7.6			0.06			<1.0		
Mid-Flood	F3	Fine	Rough	16:33	17.2	S	0.47	271	28.9	28.9	28.5	30.2	30.2	8.4	8.4	112.1	113.0	7.3	7.4	7.1	0.7	0.7	3.5	<0.001	<0.001	0.002	2.3	2.4	3.9	0.11	0.11	0.07	<1.0	<1.0	<1.0
							0.33	302	28.9			30.2		8.4		113.8		7.4			0.6			<0.001			2.5			0.11			<1.0		
						M	0.45	318	28.4	28.4		31.5	31.4	8.3	8.3	100.8	103.6	6.6	6.8		1.9	1.9		<0.001	0.002		3.5	3.3		0.06	0.06		<1.0	<1.0	
							0.40	193	28.4			31.4		8.3		106.3		6.9			1.9			0.003			3.1			0.06			<1.0		
						B	0.70	294	28.2	28.2		32.4	32.4	8.3	8.3	99.9	99.5	6.5	6.5	6.5	7.7	7.9		<0.001	0.002		5.8	6.0		0.03	0.04		<1.0	<1.0	
							0.70	294	28.2			32.4		8.3		99.0		6.5			8.1			0.003			6.2			0.05			<1.0		
	IM6	Fine	Rough	16:20	16.0	S	0.29	113	28.7	28.7	28.4	30.2	30.2	8.4	8.4	105.3	106.7	6.9	7.0	6.7	1.0	1.0	6.2	<0.001	<0.001	0.001	2.6	2.8	9.1	0.11	0.11	0.07	<1.0	<1.0	<1.0
							0.19	308	28.7			30.2		8.4		108.0		7.1			0.9			<0.001			2.9			0.11			<1.0		
						M	0.81	206	28.3	28.3		32.0	32.0	8.3	8.3	98.5	98.6	6.4	6.4		5.0	4.8		<0.001	0.001		6.9	7.2		0.06	0.06		<1.0	<1.0	
							0.51	248	28.3			32.0		8.3		98.6		6.4			4.5			0.001			7.4			0.06			<1.0		
						B	0.58	224	28.3	28.3		32.2	32.2	8.3	8.3	99.6	99.1	6.5	6.5	6.5	13.8	12.9		<0.001	<0.001		17.5	17.2		0.04	0.05		<1.0	<1.0	
							0.58	224	28.3			32.2		8.3		98.6		6.4			11.9			<0.001			16.8			0.05			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/10/03**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Calm	14:34	9.4	S	0.15	100	29.9	30.0	29.3	30.9	30.8	8.2	8.2	114.7	118.5	7.3	7.6	6.8	3.2	3.0	7.2	<0.001	<0.001	<0.001	4.8	4.6	9.6	0.13	0.13	0.13	<1.0	<1.0	<1.0
							0.15	100	30.1			30.8		8.2		122.2		7.8			2.8			<0.001			4.3			0.13			<1.0		
						M	0.22	83	29.0	29.0		31.3	31.2	8.1	8.1	92.7	93.0	6.0	6.0		9.7	9.1		<0.001	<0.001		11.8	11.7		0.14	0.14		<1.0	<1.0	
							0.22	83	29.1			31.2		8.1		93.2		6.0			8.5			<0.001			11.5			0.13			<1.0		
						B	0.40	92	28.9	28.9		31.5	31.4	8.1	8.1	92.3	91.5	6.0	5.9	5.9	9.4	9.6		<0.001	<0.001		12.3	12.5		0.13	0.14		<1.0	<1.0	
							0.17	59	28.9			31.4		8.1		90.6		5.9			9.7			<0.001			12.7			0.14			<1.0		
	IM6	Fine	Calm	14:03	17.0	S	0.11	268	29.0	29.1	28.9	31.9	31.7	8.1	8.1	100.8	101.1	6.5	6.5	6.4	3.1	3.0	4.2	<0.001	<0.001	<0.001	4.7	4.6	6.0	0.08	0.09	0.04	<1.0	<1.0	<1.0
							0.17	122	29.2			31.4		8.1		101.3		6.5			2.9			<0.001			4.4			0.10			<1.0		
						M	0.20	297	28.9	28.9		32.7	32.7	8.1	8.1	98.8	98.9	6.4	6.4		4.3	4.3		<0.001	<0.001		6.4	6.3		<0.02	<0.02		<1.0	<1.0	
							0.20	297	28.9			32.7		8.1		99.0		6.4			4.3			<0.001			6.1			<0.02			<1.0		
						B	0.16	288	28.8	28.8		32.8	32.8	8.1	8.1	97.9	97.7	6.3	6.3	6.3	5.3	5.3		<0.001	<0.001		7.1	7.3		<0.02	<0.02		<1.0	<1.0	
							0.16	288	28.8			32.8		8.1		97.4		6.3			5.3			<0.001			7.5			<0.02			<1.0		
Mid-Flood	F3	Cloudy	Moderate	8:23	18.0	S	0.74	258	29.0	29.0	28.9	31.1	31.1	8.1	8.1	101.7	101.9	6.6	6.6	6.6	3.8	3.9	4.0	<0.001	<0.001	<0.001	5.9	6.0	8.6	0.12	0.12	0.05	<1.0	<1.0	<1.0
							0.74	258	29.0			31.1		8.1		102.0		6.6			3.9			<0.001			6.1			0.11			<1.0		
						M	0.31	217	28.9	28.9		32.8	32.8	8.1	8.1	102.4	102.5	6.6	6.6		1.8	1.8		<0.001	<0.001		7.5	7.3		0.03	0.03		<1.0	<1.0	
							0.42	237	28.9			32.8		8.1		102.6		6.6			1.7			<0.001			7.1			<0.02			<1.0		
						B	0.17	280	28.9	28.9		32.8	31.1	8.1	8.1	101.4	101.5	6.5	6.5	6.5	6.9	6.4		<0.001	<0.001		12.1	12.4		<0.02	<0.02		<1.0	<1.0	
							0.64	292	28.9			32.8		8.1		101.6		6.5			5.9			<0.001			12.6			<0.02			<1.0		
	IM6	Fine	Calm	8:08	16.5	S	0.34	309	28.8	28.8	28.9	31.6	31.6	8.1	8.1	98.6	98.5	6.4	6.4	6.4	1.6	1.6	3.5	<0.001	<0.001	<0.001	3.4	3.6	5.8	0.13	0.13	0.07	<1.0	<1.0	<1.0
							0.34	309	28.8			31.6		8.1		98.4		6.4			1.5			<0.001			3.8			0.13			<1.0		
						M	0.09	197	28.9	28.9		32.4	32.4	8.1	8.1	100.2	100.2	6.5	6.5		2.2	2.0		<0.001	<0.001		4.4	4.3		0.06	0.06		<1.0	<1.0	
							0.09	197	28.9			32.4		8.1		100.2		6.5			2.0			<0.001			4.2			0.06			<1.0		
						B	0.21	98	28.9	28.9		32.8	32.8	8.1	8.1	101.0	100.7	6.5	6.5	6.5	6.5	6.9		<0.001	<0.001		9.6	9.4		<0.02	<0.02		<1.0	<1.0	
							0.21	98	28.9			32.8		8.1		100.3		6.4			7.2			<0.001			9.2			<0.02			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/10/12**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Moderate	10:09	9.7	S	0.2	60	27.3	27.3		31.3	31.3	8.1	8.1	93.3	93.9	6.2	6.2	6.2	3.7	3.6	10.1	<0.001	<0.001	<0.001	4.9	4.9	11.1	0.07	0.07	0.06	<1.0	<1.0	<1.0
							0.4	233	27.3			31.3		8.1		94.5		6.3			3.5			<0.001			4.8			0.07			<1.0		
						M	0.2	118	27.2	27.2	27.3	31.4	31.4	8.1	8.1	91.2	91.5	6.1	6.1		4.6	4.6		<0.001	<0.001		4.2	4.6		0.06	0.06		<1.0	<1.0	
							0.1	344	27.2			31.4		8.1		91.7		6.1			4.6			<0.001			5.0			0.05			<1.0		
						B	0.5	342	27.3	27.3		31.6	31.6	8.0	8.0	90.2	89.8	6.0	6.0	6.0	22.1	22.0		<0.001	<0.001		30.9	23.7		0.06	0.06		<1.0	<1.0	
							0.5	342	27.3			31.6		8.0		89.4		5.9			21.9			<0.001			16.5			0.05			<1.0		
	IM6	Fine	Moderate	10:43	17.3	S	0.2	167	27.1	27.1		31.4	31.4	7.9	7.9	97.6	97.8	6.5	6.5	6.4	1.3	1.4	4.7	<0.001	<0.001	<0.001	3.6	2.8	6.4	0.05	0.05	0.04	<1.0	<1.0	<1.0
							0.2	167	27.1			31.4		7.9		97.9		6.5			1.4			<0.001			1.9			0.04			<1.0		
						M	0.2	82	27.3	27.3	27.2	32.2	32.2	7.9	7.9	94.9	94.9	6.3	6.3		3.6	3.4		<0.001	<0.001		4.0	3.7		0.03	0.03		<1.0	<1.0	
							0.0	8	27.3			32.2		7.9		94.9		6.3			3.2			<0.001			3.3			0.03			<1.0		
						B	0.2	352	27.3	27.3		32.3	32.3	7.9	7.9	95.5	95.2	6.3	6.3	6.3	9.3	9.3		<0.001	<0.001		13.4	12.7		0.05	0.04		<1.0	<1.0	
							0.3	343	27.3			32.3		7.9		94.8		6.3			9.2			<0.001			12.0			0.03			<1.0		
Mid-Flood	F3	Cloudy	Rough	16:40	17.9	S	0.81	240	27.5	27.5		31.5	31.5	8.0	8.0	104.0	105.1	6.9	7.0	6.6	1.5	1.4	6.7	<0.001	<0.001	<0.001	3.4	3.1	9.9	0.03	0.03	0.03	<1.0	<1.0	<1.0
							0.81	240	27.5			31.5		8.0		106.2		7.0			1.3			<0.001			2.7			0.03			<1.0		
						M	0.15	116	27.2	27.2	27.3	32.2	32.2	8.0	8.0	95.4	95.0	6.3	6.3		4.8	4.9		<0.001	<0.001		4.0	4.0		0.03	0.03		<1.0	<1.0	
							0.18	221	27.2			32.2		8.0		94.6		6.3			4.9			<0.001			3.9			0.02			<1.0		
						B	0.96	328	27.2	27.2		32.3	32.3	8.0	8.0	95.3	94.7	6.3	6.3	6.3	13.7	13.8		<0.001	<0.001		25.1	22.6		0.04	0.04		<1.0	<1.0	
							0.96	328	27.2			32.3		8.0		94.1		6.2			13.8			<0.001			20.1			0.03			<1.0		
	IM6	Cloudy	Rough	16:55	16.7	S	0.79	240	27.4	27.4		31.7	31.7	8.0	8.0	103.5	103.7	6.9	6.9	6.8	1.8	1.8	7.4	<0.001	<0.001	<0.001	2.6	2.7	8.1	0.03	0.03	0.03	<1.0	<1.0	<1.0
							0.79	240	27.4			31.7		8.0		103.8		6.9			1.7			<0.001			2.7			0.03			<1.0		
						M	0.20	213	27.4	27.4	27.3	31.8	31.8	7.9	7.9	100.2	100.9	6.6	6.5		2.8	2.7		<0.001	<0.001		5.4	4.7		0.03	0.03		<1.0	<1.0	
							0.40	1	27.4			31.8		7.9		101.5		6.7			2.6			<0.001			4.0			0.03			<1.0		
						B	0.13	181	27.2	27.2		32.2	32.2	7.9	7.9	96.5	95.7	6.4	6.4	6.3	18.3	17.7		<0.001	<0.001		16.0	16.8		0.03	0.04		<1.0	<1.0	
							0.06	238	27.2			32.2		7.9		94.9		6.3			17.1			<0.001			17.6			0.04			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/10/19**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Rough	14:31	9.0	S	0.75	79	26.6	26.6		31.7	31.7	8.0	8.0	91.8	91.8	6.2	6.2	6.2	11.0	11.0	11.7	<0.001	<0.001	<0.001	18.1	17.8	16.0	0.11	0.12	0.12	<1.0	<1.0	<1.0
							0.75	79	26.6			31.7		8.0		91.8		6.2			11.0			<0.001			17.5			0.12			<1.0		
						M	0.42	179	26.5	26.5	26.5	31.7	31.7	8.0	8.0	92.5	92.2	6.2	6.2		11.6	11.6		<0.001	<0.001		15.5	15.3		0.12	0.12		<1.0	<1.0	
							0.24	292	26.5			31.7		8.0		91.8		6.2			11.5			<0.001			15.1			0.12			<1.0		
						B	0.08	280	26.5	26.5		31.7	31.7	8.0	8.0	95.4	94.4	6.4	6.3	6.3	12.6	12.6		<0.001	<0.001		15.0	15.0		0.12	0.12		<1.0	<1.0	
							0.29	208	26.5			31.7		8.0		93.4		6.3			12.6			<0.001			14.9			0.11			<1.0		
	IM6	Cloudy	Rough	14:00	17.6	S	0.46	263	26.5	26.5		32.3	32.3	7.9	7.9	94.5	94.5	6.3	6.3	6.3	7.2	7.2	10.2	<0.001	<0.001	<0.001	8.4	8.9	14.9	0.08	0.08	0.07	<1.0	<1.0	<1.0
							0.36	347	26.5			32.3		7.9		94.5		6.3			7.1			<0.001			9.4			0.08			<1.0		
						M	0.41	278	26.5	26.5	26.5	32.3	32.3	7.9	7.9	94.1	94.2	6.3	6.3		7.7	7.6		<0.001	<0.001		10.0	9.8		0.06	0.06		<1.0	<1.0	
							0.41	229	26.5			32.3		7.9		94.3		6.3			7.4			<0.001			9.6			0.06			<1.0		
						B	0.61	352	26.5	26.5		32.4	32.4	7.9	7.9	94.4	94.3	6.3	6.3	6.3	17.0	16.0		<0.001	<0.001		20.1	26.0		0.06	0.06		<1.0	<1.0	
							0.61	352	26.5			32.4		7.9		94.2		6.3			14.9			<0.001			31.8			0.06			<1.0		
Mid-Flood	F3	Rainy	Rough	9:04	17.8	S	0.72	229	26.5	26.5		32.3	32.3	8.1	8.1	95.1	95.0	6.4	6.4	6.4	6.3	6.3	10.8	<0.001	0.005	0.002	8.2	8.1	16.8	0.06	0.06	0.06	<1.0	<1.0	<1.0
							1.08	260	26.5			32.3		8.1		94.9		6.4			6.3			0.009			8.0			0.06			<1.0		
						M	0.86	298	26.5	26.5	26.5	32.3	32.3	8.1	8.1	95.4	95.4	6.4	6.4		6.7	6.6		<0.001	<0.001		6.8	7.2		0.06	0.06		<1.0	<1.0	
							1.36	265	26.5			32.3		8.1		95.3		6.4			6.5			<0.001			7.6			0.06			<1.0		
						B	1.23	246	26.4	26.4		32.6	32.6	8.1	8.1	95.8	95.7	6.4	6.4	6.4	19.9	19.4		<0.001	<0.001		32.5	35.0		0.05	0.05		<1.0	<1.0	
							1.23	246	26.4			32.6		8.1		95.5		6.4			18.8			<0.001			37.4			0.05			<1.0		
	IM6	Rainy	Rough	8:47	16.2	S	0.48	87	26.5	26.5		32.3	32.3	8.0	8.0	94.6	94.7	6.3	6.4	6.3	9.4	9.3	10.3	<0.001	<0.001	0.002	9.6	9.9	12.8	0.06	0.06	0.06	<1.0	<1.0	<1.0
							0.48	87	26.5			32.3		8.0		94.8		6.4			9.2			<0.001			10.1			0.06			<1.0		
						M	0.40	254	26.5	26.5	26.5	32.3	32.3	8.0	8.0	94.3	94.4	6.3	6.3		8.9	8.9		<0.001	<0.001		11.9	12.1		0.06	0.06		<1.0	<1.0	
							0.40	254	26.5			32.3		8.0		94.5		6.3			8.9			<0.001			12.2			0.06			<1.0		
						B	0.06	58	26.5	26.5		32.3	32.3	8.0	8.0	94.8	94.7	6.4	6.4	6.4	13.4	12.7		<0.001	0.003		16.4	16.6		0.06	0.06		<1.0	<1.0	
							0.59	304	26.5			32.3		8.0		94.6		6.4			11.9			0.005			16.8			0.06			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/10/26**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Moderate	9:47	9.4	S	0.26	109	26.2	26.2		32.2	32.2	8.0	8.0	97.6	97.7	6.6	6.6	6.6	1.9	1.9	2.6	<0.001	<0.001		2.6	2.5		0.15	0.15		<1.0	<1.0	
							0.26	109	26.2			32.2		8.0		97.8		6.6			1.9			<0.001			2.4			0.15			<1.0		
						M	0.13	201	26.2	26.2	26.2	32.2	32.2	8.0	8.0	96.7	97.2	6.5			2.0	2.0		<0.001	0.003	0.002	3.0	3.3	3.8	0.16	0.16	0.15	<1.0	<1.0	<1.0
							0.45	95	26.2			32.2		8.0		97.6		6.6			2.0			0.004			3.5			0.15			<1.0		
						B	0.76	141	26.2	26.2		32.3	32.3	8.0	8.0	96.7	96.4	6.5	6.5	6.5	3.9	3.9		<0.001	0.001		5.6	5.8		0.15	0.15		<1.0	<1.0	
							0.22	112	26.2			32.3		8.0		96.1		6.5			3.9			0.001			5.9			0.15			<1.0		
	IM6	Fine	Moderate	9:14	17.5	S	0.32	227	26.0	26.0		32.6	32.6	7.9	7.9	99.5	99.5	6.7	6.7	6.7	1.5	1.5	2.3	<0.001	<0.001		2.1	2.2		0.09	0.09		<1.0	<1.0	
							0.32	227	26.0			32.6		8.0		99.5		6.7			1.5			<0.001			2.2			0.09			<1.0		
						M	0.27	317	26.0	26.0	26.0	32.7	32.7	7.9	7.9	98.5	98.4	6.6	6.6		1.8	1.8		<0.001	0.005	0.002	2.3	2.3	2.7	0.08	0.09	0.09	<1.0	<1.0	<1.0
							0.24	65	26.0			32.7		7.9		98.3		6.6			1.8			0.009			2.3			0.09			<1.0		
						B	0.22	333	26.0	26.0		32.7	32.7	7.9	7.9	98.9	98.9	6.7	6.7	6.7	3.5	3.5		<0.001	<0.001		3.5	3.8		0.08	0.08		<1.0	<1.0	
							0.22	333	26.0			32.7		7.9		98.8		6.7			3.5			<0.001			4.0			0.08			<1.0		
Mid-Flood	F3	Fine	Moderate	16:10	17.8	S	1.03	279	26.4	26.4		32.4	32.4	8.0	8.0	102.6	102.9	6.9	6.9	6.7	1.0	1.0	2.1	<0.001	0.002	0.002	2.3	2.2	3.3	0.10	0.10	0.09	<1.0	<1.0	<1.0
							0.84	271	26.4			32.4		8.0		103.2		6.9			0.9			0.002			2.1			0.10			<1.0		
						M	0.41	316	26.1	26.1	26.2	32.6	32.6	8.0	8.0	97.4	97.7	6.6	6.6		1.6	1.6		<0.001	<0.001		2.7	2.8		0.09	0.09		<1.0	<1.0	
							0.36	222	26.1			32.6		8.0		97.9		6.6			1.5			<0.001			2.9			0.09			<1.0		
						B	0.12	170	26.0	26.0		32.6	32.6	8.0	8.0	96.0	96.0	6.5	6.5	6.5	3.7	3.7		<0.001	0.005		4.9	5.0		0.09	0.09		<1.0	<1.0	
							0.56	253	26.0			32.6		8.0		96.0		6.5			3.7			0.008			5.1			0.09			<1.0		
	IM6	Fine	Moderate	15:56	16.4	S	0.73	342	26.4	26.4		32.5	32.5	7.9	7.9	99.9	100.0	6.7	6.7		1.7	1.8		<0.001	<0.001		2.1	2.2		0.10	0.10		<1.0	<1.0	
							0.37	6	26.4			32.5		7.9		100.1		6.7		6.7	1.8			<0.001			2.2			0.10			<1.0		
						M	0.36	222	26.3	26.3	26.3	32.5	32.5	7.9	7.9	98.9	99.0	6.7	6.7		2.1	2.3	2.6	<0.001	<0.001	<0.001	2.6	2.7	3.1	0.09	0.09	0.09	<1.0	<1.0	<1.0
							0.36	222	26.3			32.5		7.9		99.1		6.7			2.4			<0.001			2.8			0.09			<1.0		
						B	0.12	168	26.2	26.2		32.5	32.5	7.9	7.9	99.6	99.3	6.7	6.7	6.7	3.7	3.8		<0.001	<0.001		4.5	4.4		0.09	0.09		<1.0	<1.0	
							0.49	281	26.2			32.5		7.9		98.9		6.7			3.8			<0.001			4.2			0.09			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/11/01**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Rough	14:00	9.5	S	0.08	167	26.5	26.5	26.4	32.1	32.1	8.1	8.1	116.1	116.7	7.8	7.8	7.7	3.3	3.3	9.6	<0.001	<0.001	0.002	7.2	7.3	16.2	0.11	0.11	0.12	<1.0	<1.0	<1.0
							0.08	167	26.5			32.1		8.1		117.2		7.9			3.3			<0.001			7.4			0.10			<1.0		
						M	0.04	106	26.4	26.4		32.1	32.1	8.0	8.0	110.5	111.2	7.4	7.5		4.1	4.1		<0.001	0.003		8.2	8.4		0.11	0.11		<1.0	<1.0	
							0.31	160	26.4			32.1		8.1		111.9		7.5			4.0			0.004			8.6			0.11			<1.0		
						B	0.05	140	26.3	26.3		32.1	32.1	8.0	8.0	105.5	106.0	7.1	7.1	7.1	21.6	21.5		<0.001	<0.001		30.5	33.0		0.15	0.15		<1.0	<1.0	
							0.05	140	26.3			32.1		8.0		106.5		7.2			21.4			<0.001			35.4			0.15			<1.0		
	IM6	Fine	Rough	13:25	16.9	S	0.24	240	26.3	26.3	26.1	32.1	32.1	7.9	7.9	111.1	111.3	7.5	7.5	7.4	2.0	2.0	3.3	<0.001	<0.001	0.001	5.3	5.5	6.9	0.14	0.14	0.10	<1.0	<1.0	<1.0
							0.70	273	26.4			32.1		7.9		111.4		7.5			1.9			<0.001			5.7			0.14			<1.0		
						M	0.37	241	26.1	26.1		32.5	32.4	8.0	8.0	109.4	109.7	7.4	7.4		3.6	3.6		0.003	0.002		6.3	6.5		0.08	0.11		<1.0	<1.0	
							0.37	241	26.1			32.4		8.0		110.0		7.4			3.5			<0.001			6.7			0.13			<1.0		
						B	0.25	141	26.0	26.0		32.6	32.6	8.0	8.0	106.9	107.1	7.2	7.4	7.2	4.5	4.3		<0.001	<0.001		8.6	8.8		0.05	0.05		<1.0	<1.0	
							0.25	141	26.0			32.6		8.0		107.2		7.2			4.1			<0.001			9.0			0.05			<1.0		
Mid-Flood	F3	Cloudy	Moderate	08:32	17	S	0.46	292	26.0	26.0	26.0	32.4	32.4	8.1	8.1	106.4	106.6	7.2	7.2	7.2	1.5	1.5	2.7	<0.001	<0.001	0.001	3.6	3.4	4.8	0.08	0.08	0.05	<1.0	<1.0	<1.0
							0.14	147	26.0			32.4		8.1		106.7		7.2			1.4			<0.001			3.2			0.08			<1.0		
						M	0.21	287	26.0	26.0		32.6	32.6	8.1	8.1	106.2	106.0	7.2	7.2		1.5	1.5		<0.001	<0.001		4.2	4.3		0.05	0.05		<1.0	<1.0	
							0.21	287	26.0			32.6		8.1		105.7		7.1			1.5			<0.001			4.4			0.05			<1.0		
						B	0.39	254	25.9	25.9		32.7	32.7	8.1	8.1	105.1	105.7	7.1	7.1	7.1	5.0	5.2		<0.001	0.002		6.8	6.6		0.03	0.03		<1.0	<1.0	
							0.39	254	25.9			32.7		8.1		106.3		7.2			5.3			0.002			6.4			0.03			<1.0		
	IM6	Cloudy	Moderate	08:18	16.5	S	0.28	297	26.0	26.0	26.0	32.3	32.3	8.0	8.0	103.4	103.2	7.0	7.0	7.0	1.6	1.6	5.0	<0.001	<0.001	0.003	3.9	4.2	8.0	0.12	0.12	0.09	<1.0	<1.0	<1.0
							0.29	155	26.0			32.3		8.0		103.0		7.0			1.5			<0.001			4.4			0.12			<1.0		
						M	0.66	117	26.0	26.0		32.4	32.4	8.0	8.0	103.1	103.1	7.0	7.0		3.1	3.1		<0.001	0.005		6.0	5.7		0.10	0.11		<1.0	<1.0	
							0.66	117	26.0			32.4		8.0		103.0		7.0			3.1			0.008			5.4			0.11			<1.0		
						B	0.38	305	26.0	26.0		32.5	32.6	8.0	8.0	103.6	104.1	7.0	7.0	7.0	10.4	10.4		0.008	0.005		14.5	14.2		0.06	0.06		<1.0	<1.0	
							0.38	305	26.0			32.6		8.0		104.5		7.1			10.3			<0.001			13.8			0.05			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2023/11/10**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Moderate	10:05	9.2	S	0.48	220	25.7	25.7	25.5	31.8	31.8	8.2	8.2	108.8	108.9	7.4	7.4	7.3	2.1	2.1	3.6	<0.001	<0.001	0.001	3.4	3.2	6.4	0.04	0.04	0.05	<1.0	<1.0	<1.0
							0.48	220	25.7			31.8		8.2		109.0		7.4			2.1			<0.001			3.0			0.04			<1.0		
						M	0.29	112	25.4	25.4		31.9	31.9	8.2	8.2	104.9	105.1	7.2	7.2		1.8	1.9		<0.001	0.002		3.9	3.8		0.05	0.05		<1.0	<1.0	
							0.29	112	25.4			31.9		8.2		105.3		7.2			1.9			0.002			3.6			0.05			<1.0		
						B	0.10	31	25.3	25.3		32.2	32.2	8.2	8.2	99.7	99.6	6.8	6.8	6.8	7.0	6.8		<0.001	<0.001		12.0	12.4		0.06	0.06		<1.0	<1.0	
							0.10	31	25.3			32.2		8.2		99.5		6.8			6.5			<0.001			12.7			0.06			<1.0		
	IM6	Cloudy	Moderate	9:33	17.0	S	0.40	253	25.3	25.3	25.2	32.8	32.8	8.2	8.2	103.1	103.2	7.0	7.0	7.0	1.3	1.2	1.8	<0.001	<0.001	0.001	2.7	2.5	3.3	0.03	0.03	0.03	<1.0	<1.0	<1.0
							0.40	253	25.3			32.8		8.2		103.3		7.1			1.1			<0.001			2.3			0.03			<1.0		
						M	0.45	257	25.2	25.2		32.8	32.8	8.2	8.2	100.3	100.4	6.9	6.9		1.7	1.7		<0.001	0.001		3.2	3.0		0.03	0.03		<1.0	<1.0	
							0.45	257	25.2			32.8		8.2		100.4		6.9			1.7			0.001			2.8			<0.02			<1.0		
						B	0.09	169	25.2	25.2		32.8	32.9	8.2	8.2	97.9	97.9	6.7	6.7	6.7	2.6	2.6		<0.001	<0.001		4.6	4.4		<0.02	<0.02		<1.0	<1.0	
							0.09	169	25.2			32.9		8.2		97.9		6.7			2.6			<0.001			4.2			<0.02			<1.0		
Mid-Flood	F3	Fine	Rough	15:58	18	S	0.78	291	26.3	26.3	26.0	32.6	32.6	8.1	8.1	110.7	112.0	7.4	7.5	7.1	0.3	0.3	1.7	<0.001	<0.001	<0.001	3.2	3.0	4.4	<0.02	0.02	0.02	<1.0	<1.0	<1.0
							0.78	291	26.3			32.6		8.1		113.2		7.6			0.3			<0.001			2.8			0.02			<1.0		
						M	0.45	247	25.9	25.9		32.9	32.9	8.0	8.0	98.2	98.5	6.6	6.7		1.3	1.3		<0.001	<0.001		4.0	4.2		<0.02	<0.02		<1.0	<1.0	
							0.45	247	25.9			32.9		8.0		98.7		6.7			1.3			<0.001			4.3			<0.02			<1.0		
						B	0.56	319	25.9	25.9		32.9	32.9	8.0	8.0	97.8	97.3	6.6	6.6	6.6	3.4	3.5		<0.001	<0.001		6.1	6.0		<0.02	<0.02		<1.0	<1.0	
							0.56	319	25.9			32.9		8.0		96.8		6.5			3.5			<0.001			5.8			<0.02			<1.0		
	IM6	Fine	Rough	15:43	16.6	S	0.57	302	26.4	26.4	26.2	32.6	32.6	8.1	8.1	113.6	114.3	7.6	7.7	7.4	0.8	0.8	2.8	<0.001	<0.001	<0.001	2.3	2.4	4.6	0.02	0.02	0.02	<1.0	<1.0	<1.0
							0.57	302	26.4			32.6		8.1		115.0		7.7			0.7			<0.001			2.5			0.02			<1.0		
						M	0.47	299	26.2	26.2		32.7	32.7	8.1	8.1	105.5	106.5	7.1	7.2		1.8	1.7		<0.001	<0.001		4.0	4.0		0.02	0.02		<1.0	<1.0	
							0.47	299	26.2			32.7		8.1		107.5		7.2			1.5			<0.001			4.0			<0.02			<1.0		
						B	0.21	3	25.9	25.9		32.9	32.9	8.2	8.2	102.1	100.9	6.9	6.8	6.8	5.6	5.9		<0.001	<0.001		7.6	7.4		<0.02	<0.02		<1.0	<1.0	
							0.26	94	25.9			32.9		8.1		99.7		6.7			6.2			<0.001			7.1			<0.02			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2023/11/16**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Rough	13:45	9.0	S	0.65	200	24.9	24.9	24.9	32.5	32.5	8.1	8.1	94.5	94.2	6.5	6.5	6.5	10.2	10.3	11.0	<0.001	<0.001	<0.001	13.6	14.4	13.5	0.11	0.11	0.11	<1.0	<1.0	<1.0
							0.63	156	24.9			32.5		8.1		93.9		6.5			10.4			<0.001			15.1			0.11			<1.0		
						M	0.43	177	24.9	24.9		32.5	32.5	8.1	8.1	95.5	95.4	6.6	6.6		12.0	11.6		<0.001	<0.001		13.1	13.4		0.11	0.11		<1.0	<1.0	
							0.43	177	24.9			32.5		8.1		95.2		6.6			11.1			<0.001			13.6			0.11			<1.0		
						B	0.38	258	24.9	24.9		32.5	32.5	8.1	8.1	99.7	99.0	6.9	6.8	6.8	10.6	11.1		<0.001	<0.001		13.4	12.7		0.11	0.11		<1.0	<1.0	
							0.29	139	24.9			32.5		8.1		98.3		6.8			11.6			<0.001			11.9			0.11			<1.0		
	IM6	Cloudy	Rough	13:07	17.0	S	0.70	105	25.2	25.2	25.1	32.9	32.9	8.1	8.1	95.3	95.3	6.5	6.5	6.5	3.9	3.9	5.6	<0.001	<0.001	<0.001	5.4	5.5	6.7	0.06	0.06	0.06	<1.0	<1.0	<1.0
							0.70	105	25.2			32.9		8.1		95.2		6.5			3.8			<0.001			5.5			0.06			<1.0		
						M	0.38	292	25.1	25.2		32.9	32.9	8.1	8.1	96.1	96.0	6.6	6.6		4.2	4.2		<0.001	<0.001		5.2	5.6		0.06	0.06		<1.0	<1.0	
							0.78	108	25.2			32.9		8.1		95.9		6.6			4.1			<0.001			6.0			0.06			<1.0		
						B	0.10	22	25.1	25.1		32.9	32.9	8.1	8.1	97.7	97.1	6.7	6.6	6.6	8.9	8.9		<0.001	<0.001		6.8	9.2		0.06	0.06		<1.0	<1.0	
							0.10	22	25.1			32.9		8.1		96.4		6.6			8.8			<0.001			11.5			0.06			<1.0		
Mid-Flood	F3	Cloudy	Rough	08:40	18	S	0.49	280	25.2	25.2	25.2	32.9	32.9	8.2	8.2	93.2	93.2	6.4	6.4	6.4	3.2	3.3	7.2	<0.001	0.002	0.001	4.5	4.6	10.0	0.06	0.06	0.06	<1.0	<1.0	<1.0
							1.02	294	25.2			32.9		8.2		93.2		6.4			3.3			0.002			4.7			0.06			<1.0		
						M	0.28	189	25.2	25.2		32.9	32.9	8.2	8.2	93.6	93.5	6.4	6.4		4.8	5.0		<0.001	0.002		6.1	6.1		0.07	0.08		<1.0	<1.0	
							0.38	118	25.2			32.9		8.2		93.4		6.4			5.2			0.002			6.0			0.08			<1.0		
						B	0.59	351	25.2	25.2		32.9	32.9	8.1	8.1	95.4	94.8	6.5	6.5	6.5	13.2	13.2		<0.001	<0.001		18.8	19.3		0.04	0.04		<1.0	<1.0	
							0.59	351	25.2			32.9		8.1		94.2		6.4			13.2			<0.001			19.8			0.04			<1.0		
	IM6	Cloudy	Rough	08:26	16	S	0.40	337	25.2	25.2	25.2	32.8	32.8	8.1	8.1	93.0	93.2	6.4	6.4	6.4	3.5	3.4	4.9	<0.001	<0.001	<0.001	4.3	4.5	7.3	0.06	0.05	0.05	<1.0	<1.0	<1.0
							0.40	337	25.1			32.8		8.1		93.3		6.4			3.2			<0.001			4.6			0.04			<1.0		
						M	0.05	2	25.2	25.2		32.8	32.8	8.1	8.1	92.8	92.9	6.3	6.4		4.6	4.7		<0.001	<0.001		9.6	8.4		0.04	0.06		<1.0	<1.0	
							0.45	250	25.2			32.8		8.1		92.9		6.4			4.8			<0.001			7.1			0.07			<1.0		
						B	0.35	96	25.2	25.2		32.8	32.8	8.1	8.1	94.9	94.4	6.5	6.5	6.5	6.1	6.6		<0.001	<0.001		10.1	9.1		0.04	0.05		<1.0	<1.0	
							0.15	349	25.2			32.8		8.1		93.9		6.4			7.0			<0.001			8.0			0.06			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2023/11/23**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Calm	8:00	9.0	S	0.33	152	23.4	23.4	23.4	32.8	32.8	8.1	8.1	93.6	93.7	6.6	6.6	6.6	1.6	1.7	2.2	<0.001	<0.001	<0.001	2.3	2.5	3.4	0.14	0.15	0.14	<1.0	<1.0	<1.0
							0.33	152	23.4			32.8		8.1		93.7		6.6			1.7			<0.001			2.6			0.15			<1.0		
						M	0.11	281	23.4	23.4		32.8	32.8	8.1	8.1	94.4	94.2	6.7	6.6		1.8	1.9		<0.001	<0.001		3.0	3.2		0.14	0.14		<1.0	<1.0	
							0.11	281	23.4			32.8		8.1		93.9		6.6			1.9			<0.001			3.4			0.14			<1.0		
						B	0.20	6	23.5	23.5		32.9	32.9	8.1	8.1	96.7	96.0	6.8	6.8	6.8	3.0	3.0		<0.001	<0.001		4.8	4.7		0.13	0.13		<1.0	<1.0	
							0.31	76	23.5			32.9		8.1		95.2		6.7			3.0			<0.001			4.5			0.13			<1.0		
	IM6	Cloudy	Calm	7:57	17.0	S	0.28	93	23.7	23.7	23.7	33.1	33.1	8.1	8.1	93.0	93.1	6.5	6.5	6.5	2.3	2.3	2.5	<0.001	0.002	0.001	2.8	2.6	3.5	0.07	0.08	0.08	<1.0	<1.0	<1.0
							0.28	93	23.7			33.1		8.1		93.1		6.5			2.2			0.002			2.4			0.08			<1.0		
						M	0.43	233	23.7	23.7		33.1	33.1	8.1	8.1	93.2	93.2	6.5	6.5		2.4	2.4		<0.001	<0.001		3.5	3.7		0.08	0.08		<1.0	<1.0	
							0.13	330	23.7			33.1		8.1		93.2		6.5			2.3			<0.001			3.9			0.08			<1.0		
						B	0.15	113	23.7	23.7		33.1	33.1	8.1	8.1	95.6	95.2	6.7	6.7	6.7	2.6	2.8		<0.001	<0.001		4.0	4.2		0.08	0.08		<1.0	<1.0	
							0.15	113	23.7			33.1		8.1		94.8		6.6			2.9			<0.001			4.4			0.07			<1.0		
Mid-Flood	F3	Fine	Calm	14:55	17.8	S	0.29	244	24.6	24.6	24.1	33.1	33.1	8.1	8.1	100.8	101.2	7.0	7.0	6.9	1.3	1.3	2.5	<0.001	<0.001	<0.001	1.8	1.7	2.7	0.06	0.06	0.06	<1.0	<1.0	<1.0
							0.29	244	24.6			33.1		8.1		101.6		7.0			1.2			<0.001			1.6			0.06			<1.0		
						M	0.21	64	23.8	23.8		33.1	33.1	8.1	8.1	97.1	96.9	6.8	6.8		2.5	2.4		<0.001	<0.001		3.0	2.9		0.06	0.06		<1.0	<1.0	
							0.31	46	23.8			33.1		8.1		96.6		6.8			2.2			<0.001			2.8			0.06			<1.0		
						B	0.21	10	23.8	23.8		33.1	33.1	8.1	8.1	98.0	97.7	6.9	6.8	6.8	4.0	3.8		<0.001	<0.001		3.7	3.5		0.06	0.06		<1.0	<1.0	
							0.50	335	23.8			33.1		8.1		97.3		6.8			3.6			<0.001			3.3			0.06			<1.0		
	IM6	Fine	Calm	14:39	16	S	0.52	309	24.0	24.0	23.9	33.0	33.0	8.0	8.0	98.0	98.0	6.8	6.8	6.8	1.7	1.7	3.1	<0.001	0.004	0.002	4.0	3.9	4.8	0.08	0.08	0.07	<1.0	<1.0	<1.0
							0.52	309	24.0			33.0		8.0		98.0		6.8			0.007			3.7			0.08			<1.0		
						M	0.35	276	23.8	23.8		33.1	33.1	8.0	8.0	97.2	97.0	6.8	6.8		2.4	2.3		<0.001	<0.001		4.4	4.6		0.07	0.07		<1.0	<1.0	
							0.85	197	23.8			33.1		8.0		96.8		6.8			2.2			<0.001			4.8			0.07			<1.0		
						B	0.51	290	23.8	23.8		33.1	33.1	8.0	8.0	98.5	98.4	6.9	6.9	6.9	5.1	5.4		<0.001	<0.001		6.0	5.8		0.07	0.07		<1.0	<1.0	
							0.51	290	23.8			33.1		8.0		98.2		6.9			5.6			<0.001			5.6			0.07			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/11/29**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Rough	13:11	9.2	S	0.03	239	23.6	23.6	23.6	32.8	32.8	8.3	8.3	97.0	97.0	6.8	6.8	6.8	9.1	9.0	12.6	<0.001	<0.001	<0.001	10.6	10.6	15.4	0.14	0.14	0.14	<1.0	<1.0	<1.0
							0.07	25	23.6			32.8		8.3		96.9		6.8			8.9			<0.001			10.6			0.14			<1.0		
						M	0.53	59	23.6	23.6		32.8	32.8	8.3	8.3	96.1	96.3	6.8	6.8		12.2	11.8		<0.001	<0.001		13.1	13.0		0.14	0.13		<1.0	<1.0	
							0.53	59	23.6			32.8		8.3		96.4		6.8			11.4			<0.001			12.8			0.12			<1.0		
						B	0.10	168	23.6	23.6		32.8	32.8	8.3	8.3	97.6	97.2	6.9	6.8	6.8	18.2	17.0		<0.001	<0.001		22.7	22.8		0.14	0.14		<1.0	<1.0	
							0.17	173	23.6			32.8		8.3		96.8		6.8			15.8			<0.001			22.8			0.14			<1.0		
	IM6	Cloudy	Rough	12:33	16.8	S	0.39	96	23.6	23.6	23.6	33.1	33.1	8.2	8.2	97.6	97.6	6.9	6.9	6.8	8.4	8.7	10.4	<0.001	0.001	0.001	10.2	10.3	12.7	0.07	0.07	0.07	<1.0	<1.0	<1.0
							0.39	96	23.6			33.1		8.2		97.6		6.9			8.9			0.001			10.3			0.07			<1.0		
						M	0.32	25	23.6	23.6		33.1	33.1	8.1	8.1	96.9	96.9	6.8	6.8		10.4	10.7		<0.001	<0.001		13.6	13.5		0.06	0.07		<1.0	<1.0	
							0.14	224	23.6			33.1		8.1		96.9		6.8			10.9			<0.001			13.3			0.07			<1.0		
						B	0.26	7	23.6	23.6		33.1	33.1	8.0	8.0	97.8	97.5	6.9	6.8	6.8	11.9	12.0		<0.001	<0.001		14.4	14.3		0.07	0.07		<1.0	<1.0	
							0.40	115	23.6			33.1		8.1		97.1		6.8			12.1			<0.001			14.1			0.06			<1.0		
Mid-Flood	F3	Cloudy	Rough	07:54	17.9	S	0.48	303	23.6	23.6	23.7	33.1	33.1	8.3	8.3	99.6	99.7	7.0	7.0	7.0	5.3	5.5	13.5	<0.001	0.005	0.003	6.4	6.4	15.6	0.05	0.05	0.04	<1.0	<1.0	<1.0
							0.48	303	23.6			33.1		8.3		99.8		7.0			5.6			0.008			6.3			0.05			<1.0		
						M	0.48	175	23.7	23.7		33.2	33.2	8.3	8.3	98.9	98.9	6.9	6.9		9.1	9.3		<0.001	<0.001		9.7	9.9		0.04	0.04		<1.0	<1.0	
							0.23	253	23.7			33.2		8.3		98.9		6.9			9.5			<0.001			10.0			0.04			<1.0		
						B	0.25	326	23.7	23.7		33.2	33.2	8.3	8.3	98.2	98.1	6.9	6.9	6.9	27.2	25.8		<0.001	0.002		30.2	30.5		0.03	0.04		<1.0	<1.0	
							0.25	326	23.7			33.2		8.3		97.9		6.9			24.4			0.003			30.7			0.04			<1.0		
	IM6	Cloudy	Rough	07:28	16.6	S	0.37	338	23.6	23.6	23.6	33.2	33.2	8.2	8.2	97.1	97.1	6.8	6.8	6.8	9.2	9.3	9.9	<0.001	<0.001	<0.001	11.5	11.4	12.6	0.04	0.04	0.04	<1.0	<1.0	<1.0
							0.15	303	23.6			33.2		8.2		97.0		6.8			9.3			<0.001			11.2			0.04			<1.0		
						M	0.17	246	23.6	23.6		33.3	33.2	8.1	8.1	96.9	96.8	6.8	6.8		9.7	9.5		<0.001	<0.001		12.7	12.5		0.04	0.04		<1.0	<1.0	
							0.23	264	23.6			33.2		8.1		96.7		6.8			9.2			<0.001			12.2			0.04			<1.0		
						B	0.12	282	23.6	23.6		33.3	33.3	8.0	8.0	97.5	97.4	6.8	6.8	6.8	11.2	11.1		<0.001	<0.001		13.8	13.9		0.04	0.04		<1.0	<1.0	
							0.12	282	23.6			33.3		8.0		97.2		6.8			11.0			<0.001			14.0			0.04			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2023/12/08**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Calm	8:06	9.2	S	0.34	115	22.3	22.3		32.9	32.9	8.2	8.2	111.7	112.1	8.0	8.1	8.0	3.4	3.5	3.6	<0.001	<0.001	<0.001	4.9	4.8	5.5	0.05	0.05	0.05	1.3	1.3	1.2
							0.34	115	22.3			32.9		8.2		112.4		8.1			3.6			<0.001			4.6			0.05			1.2		
						M	0.21	320	22.3	22.3	22.3	32.9	32.9	8.2	8.2	110.0	110.3	7.9	7.9		3.7	3.6		<0.001	<0.001		5.8	5.6		0.05	0.05		1.1	1.2	
							0.37	215	22.3			32.9		8.2		110.5		7.9			3.4			<0.001			5.4			0.05			1.2		
						B	0.23	340	22.4	22.4		32.9	32.9	8.2	8.2	108.3	108.9	7.8	7.8	7.8	3.4	3.7		<0.001	<0.001		6.0	6.1		0.04	0.05		1.5	1.3	
							0.28	130	22.4			32.9		8.2		109.4		7.9			3.9			<0.001			6.2			0.05			1.1		
	IM6	Cloudy	Calm	7:34	16.8	S	0.14	321	22.7	22.7		33.2	33.2	8.1	8.1	100.5	100.4	7.2	7.1		1.1	1.1		<0.001	<0.001		2.3	2.4		0.04	0.04		<1.0	<1.0	
							0.16	190	22.7			33.2		8.1		100.3		7.1		7.1	1.0			<0.001			2.4			0.04			<1.0		
						M	0.38	263	22.7	22.7	22.7	33.2	33.2	8.1	8.1	99.8	100.0	7.1	7.1		1.2	1.2	1.3	<0.001	<0.001	<0.001	2.9	2.7	2.8	0.04	0.04	0.04	<1.0	<1.0	<1.0
							0.70	19	22.7			33.2		8.1		100.1		7.1			1.2			<0.001			2.5			0.03			<1.0		
						B	0.64	164	22.7	22.7		33.2	33.2	8.1	8.1	99.7	99.5	7.1	7.1	7.1	1.7	1.8		<0.001	<0.001		3.6	3.5		0.04	0.04		<1.0	<1.0	
							0.64	164	22.7			33.2		8.1		99.2		7.1			1.8			<0.001			3.3			0.04			<1.0		
Mid-Flood	F3	Cloudy	Rough	14:30	18.2	S	0.49	305	22.9	22.9		33.2	33.2	8.2	8.2	105.2	105.9	7.5	7.5		1.2	1.2		<0.001	<0.001		2.1	2.2		0.02	0.02		<1.0	<1.0	
							0.49	305	22.9			33.2		8.2		106.6		7.6		7.3	1.1			<0.001			2.3			0.02			<1.0		
						M	0.09	196	22.8	22.8	22.8	33.3	33.3	8.1	8.1	98.0	98.5	7.0	7.0		2.1	2.2	2.9	<0.001	<0.001	<0.001	3.2	3.1	3.4	0.04	0.04	0.04	<1.0	<1.0	<1.0
							0.09	196	22.8			33.3		8.1		98.9		7.0			2.2			<0.001			2.9			0.04			<1.0		
						B	0.26	12	22.8	22.8		33.3	33.3	8.1	8.1	97.4	97.0	6.9	6.9	6.9	5.4	5.4		<0.001	<0.001		5.2	5.0		0.05	0.05		<1.0	<1.0	
							0.1	324	22.8			33.3		8.1		96.5		6.9			5.3			<0.001			4.7			0.05			<1.0		
	IM6	Cloudy	Rough	14:12	16.7	S	1.7	268	23.0	23.0		33.3	33.3	8.1	8.1	103.3	103.5	7.3	7.3		1.7	1.9		<0.001	0.002		2.6	2.6		0.02	0.02		<1.0	<1.0	
							1.7	268	23.0			33.3		8.1		103.7		7.4		7.2	2.0			0.003			2.6			0.02			<1.0		
						M	0.24	60	22.9	22.9	22.9	33.3	33.3	8.1	8.1	100.6	199.7	7.1	7.2		2.3	2.3	2.4	<0.001	<0.001	0.001	3.8	3.6	3.6	0.04	0.04	0.03	<1.0	<1.0	<1.0
							0.22	182	22.9			33.3		8.1		100.8		7.2			2.3			<0.001			3.4			0.04			<1.0		
						B	1.41	238	22.8	22.8		33.3	33.3	8.0	8.0	99.9	99.9	7.1	7.1	7.1	3.2	3.2		<0.001	0.002		4.4	4.7		0.04	0.04		<1.0	<1.0	
							0.39	19	22.8			33.3		8.0		99.9		7.1			3.1			0.002			5.0			0.04			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2023/12/11**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Moderate	10:44	9.1	S	0.30	326	23.2	23.2	23.1	32.8	32.8	8.3	8.3	131.8	133.2	9.3	9.4	9.1	1.2	1.2	1.6	<0.001	<0.001	<0.001	4.5	4.4	4.0	<0.02	<0.02	<0.02	1.5	1.5	1.2
							0.07	255	23.2			32.8		8.3		134.5		9.5			1.2			<0.001			4.3			<0.02			1.4		
						M	0.05	231	23.1	23.1		33.0	33.0	8.3	8.3	125.0	125.2	8.9	8.9		1.6	1.5		<0.001	<0.001		3.9	4.0		<0.02	<0.02		1.2	1.2	
							0.33	182	23.1			33.0		8.3		125.4		8.9			1.4			<0.001			4.1			<0.02			1.2		
						B	0.52	94	23.1	23.1		33.0	33.0	8.3	8.3	121.8	122.5	8.6	8.7	8.7	2.1	2.0		<0.001	<0.001		3.4	3.6		<0.02	<0.02		<1.0	<1.0	
							0.38	192	23.1			33.0		8.3		123.1		8.7			1.8			<0.001			3.7			<0.02			<1.0		
	IM6	Cloudy	Moderate	10:13	16.9	S	0.21	120	23.0	23.0	23.0	33.2	33.2	8.1	8.1	112.1	112.3	7.9	8.0	7.9	1.0	1.0	1.4	<0.001	0.002	0.003	3.0	3.2	3.5	<0.02	<0.02	<0.02	<1.0	<1.0	<1.0
							0.21	120	23.0			33.2		8.1		112.5		8.0			1.0			0.002			3.3			<0.02			<1.0		
						M	0.21	313	23.0	23.0		33.2	33.2	8.1	8.1	110.0	110.1	7.8	7.8		1.3	1.2		<0.001	0.002		3.5	3.4		<0.02	<0.02		<1.0	<1.0	
							0.21	313	23.0			33.2		8.1		110.2		7.8			1.1			0.002			3.2			<0.02			<1.0		
						B	0.08	221	23.0	23.0		33.2	33.2	8.1	8.1	108.3	108.4	7.7	7.7	7.7	2.2	2.1		<0.001	0.005		4.1	3.9		<0.02	<0.02		<1.0	<1.0	
							0.08	221	23.0			33.2		8.1		108.5		7.7			1.9			0.008			3.7			<0.02			<1.0		
Mid-Flood	F3	Cloudy	Moderate	15:37	18.1	S	0.03	243	23.6	23.6	23.2	33.2	33.2	8.2	8.2	118.4	118.4	8.3	8.3	8.1	0.2	0.2	0.9	<0.001	<0.001	<0.001	1.2	1.4	1.9	<0.02	<0.02	0.02	<1.0	<1.0	<1.0
							0.09	98	23.5			33.2		8.2		118.4		8.3			0.2			<0.001			1.5			<0.02			<1.0		
						M	0.07	285	23.0	23.0		33.2	33.2	8.2	8.2	110.0	110.8	7.8	7.9		1.2	1.1		<0.001	<0.001		1.8	1.9		<0.02	<0.02		<1.0	<1.0	
							0.35	304	23.0			33.2		8.2		111.6		7.9			1.0			<0.001			2.0			<0.02			<1.0		
						B	0.4	4	23.0	23.0		33.2	33.3	8.2	8.2	106.8	106.8	7.6	7.6	7.6	1.3	1.3		<0.001	<0.001		2.5	2.4		<0.02	0.02		<1.0	<1.0	
							0.4	4	23.0			33.3		8.2		106.7		7.6			1.3			<0.001			2.3			0.02			<1.0		
	IM6	Cloudy	Moderate	15:23	16.7	S	0.13	343	23.1	23.1	23.0	33.2	33.2	8.1	8.1	114.4	114.7	8.1	8.1	8.0	0.5	0.6	1.7	<0.001	<0.001	<0.001	1.8	2.0	2.8	<0.02	<0.02	<0.02	<1.0	<1.0	<1.0
							0.13	343	23.1			33.2		8.1		115.0		8.1			0.6			<0.001			2.2			<0.02			<1.0		
						M	0.67	1	23.0	23.0		33.3	33.3	8.1	8.1	109.7	110.1	7.8	7.8		1.1	1.1		<0.001	<0.001		2.8	2.6		<0.02	<0.02		<1.0	<1.0	
							0.07	5	23.0			33.3		8.1		110.5		7.8			1.0			<0.001			2.4			<0.02			<1.0		
						B	0.43	286	23.0	23.0		33.3	33.3	8.1	8.1	107.7	107.8	7.6	7.6	7.6	3.3	3.4		<0.001	<0.001		3.6	3.9		<0.02	<0.02		<1.0	<1.0	
							0.02	341	23.0			33.3		8.1		107.8		7.6			3.4			<0.001			4.2			<0.02			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2023/12/18**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Moderate	16:33	9.4	S	0.57	132	21.8	21.8	21.8	32.8	32.8	8.1	8.1	95.9	95.7	7.0	6.9	7.0	10.4	10.1	11.3	<0.001	<0.001	0.001	10.5	10.7	12.2	<1.0	0.16	0.16	<1.0	1.4	2.1
							0.20	35	21.8			32.8		8.1		95.4		6.9			9.7			<0.001			10.8			0.16			1.8		
						M	0.21	263	21.8	21.8		32.8	32.8	8.1	8.1	96.8	96.5	7.0	7.0		10.9	10.7		<0.001	<0.001		11.8	12.0		0.16	0.16	0.16	1.5	1.7	
							0.21	4	21.8			32.8		8.1		96.2		7.0			10.5			<0.001			12.1			0.16			1.9		
						B	0.19	175	21.8	21.8		32.7	32.7	8.1	8.1	100.3	99.5	7.3	7.2	7.2	13.1	13.2		<0.001	0.001		14.2	14.1		0.17	0.17		2.9	3.3	
							0.33	282	21.8			32.7		8.1		98.7		7.2			13.3			0.001			13.9			0.17			3.6		
	IM6	Cloudy	Moderate	15:58	17.0	S	0.24	84	22.2	22.2	22.2	33.1	33.1	8.1	8.1	99.6	99.6	7.2	7.2	7.2	5.2	4.8	6.6	<0.001	<0.001	0.002	5.3	5.2	7.7	0.10	0.10	0.09	1.3	1.2	1.1
							0.24	84	22.2			33.1		8.1		99.5		7.2			4.4			<0.001			5.1			0.09			1.1		
						M	0.27	212	22.2	22.2		33.1	33.1	8.1	8.1	99.7	99.5	7.2	7.2		6.6	6.8		<0.001	<0.001		7.2	7.2		0.09	0.09	0.09	<1.0	<1.0	
							0.27	212	22.2			33.1		8.1		99.3		7.1			6.9			<0.001			7.1			0.08			<1.0		
						B	0.19	298	22.2	22.2		33.1	33.1	8.1	8.1	101.2	100.8	7.3	7.2	7.2	8.3	8.2		<0.001	0.003		10.7	10.8		0.09	0.09		<1.0	<1.0	
							0.19	298	22.2			33.1		8.1		100.3		7.2			8.1			0.004			10.8			0.09			<1.0		
Mid-Flood	F3	Cloudy	Rough	11:02	18	S	0.22	191	22.0	22.0	22.0	32.9	32.9	8.0	8.0	98.9	98.9	7.1	7.1	7.1	5.5	5.4	8.7	<0.001	<0.001	0.001	6.1	6.3	8.3	0.09	0.09	0.09	<1.0	<1.0	<1.0
							0.22	291	22.0			32.9		8.0		98.8		7.1			5.3			<0.001			6.4			0.08			<1.0		
						M	0.24	317	22.0	22.0		32.9	32.9	8.0	8.0	98.2	98.3	7.1	7.1		7.4	6.9		<0.001	0.001		5.0	5.2		0.09	0.09		<1.0	<1.0	
							0.19	267	22.0			32.9		8.0		98.3		7.1			6.3			0.001			5.4			0.09			<1.0		
						B	0.32	297	22.0	22.0		32.9	32.9	8.0	8.0	98.0	97.9	7.1	7.1	7.1	13.6	13.7		<0.001	<0.001		8.8	13.4		0.09	0.09		<1.0	<1.0	
							0.35	317	22.0			32.9		8.0		97.7		7.1			13.8			<0.001			18.0			0.09			<1.0		
	IM6	Cloudy	Rough	10:40	16	S	0.24	26	21.9	21.9	21.9	32.9	32.9	7.9	7.9	97.5	97.5	7.1	7.1	7.0	5.5	5.5	6.4	<0.001	<0.001	0.001	6.5	6.4	7.5	0.10	0.10	0.10	<1.0	<1.0	<1.0
							0.24	295	21.9			32.9		7.9		97.4		7.1			5.5			<0.001			6.2			0.10			<1.0		
						M	0.16	271	21.9	21.9		32.9	32.9	7.9	7.9	97.0	97.0	7.0	7.0		5.6	5.6		<0.001	0.001		7.0	6.9		0.10	0.11		<1.0	<1.0	
							0.07	200	21.9			32.9		7.9		97.0		7.0			5.6			0.001			6.8			0.11			<1.0		
						B	0.28	163	21.9	21.9		32.9	32.9	7.9	7.9	96.6	96.5	7.0	7.0	7.0	7.3	8.0		<0.001	0.001		10.8	9.3		0.10	0.10		<1.0	<1.0	
							0.45	334	21.9			32.9		7.9		96.4		7.0			8.6			0.001			7.8			0.10			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2023/12/28**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Moderate	12:23	9.1	S	0.09	160	19.4	19.4	19.3	33.4	33.4	8.2	8.2	99.9	100.1	7.6	7.6	7.5	4.0	3.9	4.8	<0.001	<0.001	<0.001	4.8	4.6	5.9	0.06	0.06	0.06	<1.0	<1.0	<1.0
							0.10	256	19.5			33.4		8.2		100.3		7.6			3.8			<0.001			4.4			0.06			<1.0		
						M	0.16	8	19.2	19.2		33.4	33.4	8.2	8.2	98.8	98.9	7.5	7.5		4.8	4.9		<0.001	<0.001		5.7	6.0		0.06	0.06		<1.0	<1.0	
							0.25	51	19.2			33.4		8.2		98.9		7.5			4.9			<0.001			6.2			0.06			<1.0		
						B	0.15	30	19.2	19.2		33.4	33.4	8.1	8.1	99.3	99.1	7.5	7.5	7.5	5.4	5.6		<0.001	<0.001		7.3	7.2		0.07	0.07		<1.0	<1.0	
							0.16	5	19.2			33.4		8.1		98.9		7.5			5.8			<0.001			7.1			0.07			<1.0		
	IM6	Fine	Moderate	11:53	17.0	S	0.17	100	19.7	19.7	19.5	33.4	33.4	8.1	8.1	99.6	100.0	7.5	7.5	7.5	3.4	3.6	3.9	<0.001	<0.001	<0.001	3.8	3.5	4.3	0.05	0.05	0.05	<1.0	<1.0	<1.0
							0.17	100	19.7			33.4		8.1		100.3		7.5			3.7			<0.001			3.2			0.04			<1.0		
						M	0.18	37	19.5	19.5		33.4	33.4	8.1	8.1	98.6	98.6	7.4	7.4		3.7	3.8		<0.001	<0.001		4.4	4.3		0.05	0.05		<1.0	<1.0	
							0.18	37	19.5			33.4		8.1		98.6		7.4			3.9			<0.001			4.2			0.05			<1.0		
						B	0.12	161	19.4	19.4		33.4	33.4	8.1	8.1	97.5	97.5	7.4	7.4	7.4	4.4	4.3		<0.001	<0.001		5.2	5.2		0.06	0.06		<1.0	<1.0	
							0.15	333	19.4			33.4		8.1		97.5		7.4			4.2			<0.001			5.2			0.06			<1.0		
Mid-Flood	F3	Cloudy	Rough	7:54	17.6	S	0.41	309	19.4	19.4	19.4	33.5	33.5	8.2	8.2	98.8	99.0	7.5	7.5	7.4	3.7	3.6	4.8	<0.001	<0.001	<0.001	4.4	4.5	6.2	0.06	0.06	0.06	<1.0	<1.0	<1.0
							0.41	309	19.4			33.5		8.2		99.1		7.5			3.5			<0.001			4.6			0.06			<1.0		
						M	0.57	259	19.4	19.4		33.5	33.5	8.2	8.2	98.0	98.3	7.4	7.4		4.5	4.2		<0.001	<0.001		3.6	3.5		0.06	0.06		<1.0	<1.0	
							0.39	260	19.4			33.5		8.2		98.6		7.4			3.9			<0.001			3.3			0.06			<1.0		
						B	0.22	323	19.4	19.4		33.5	33.5	8.2	8.2	98.5	98.3	7.4	7.4	7.4	7.0	6.7		<0.001	<0.001		11.2	10.7		0.06	0.06		<1.0	<1.0	
							0.22	323	19.4			33.5		8.2		98.0		7.4			6.4			<0.001			10.1			0.06			<1.0		
	IM6	Cloudy	Rough	7:36	16.3	S	0.12	290	19.5	19.5	19.6	33.5	33.5	8.1	8.1	97.8	97.9	7.4	7.4	7.4	7.4	7.4	8.1	<0.001	<0.001	0.001	9.1	8.0	9.8	0.08	0.08	0.07	1.4	1.3	1.1
							0.23	303	19.5			33.5		8.1		98.0		7.4			7.4			<0.001			6.9			0.08			1.2		
						M	0.2	192	19.6	19.6		33.5	33.5	8.1	8.1	97.6	97.7	7.3	7.4		8.1	8.5		<0.001	0.002		11.9	11.9		0.05	0.06		<1.0	<1.0	
							0.23	109	19.6			33.5		8.1		97.7		7.4			8.9			0.002			11.9			0.06			<1.0		
						B	0.18	283	19.6	19.6		33.5	33.5	8.1	8.1	98.9	98.5	7.4	7.4	7.4	9.0	8.4		<0.001	<0.001		9.3	9.5		0.06	0.06		<1.0	<1.0	
							0.42	248	19.6			33.5		8.1		98.0		7.4			7.7			<0.001			9.6			0.06			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/01/02**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Moderate	16:18	9.5	S	0.46	130	20.1	20.1	20.0	33.4	33.3	8.2	8.2	103.7	104.0	7.7	7.7	7.7	2.8	2.8	5.7	<0.001	<0.001	<0.001	2.6	2.6	4.3	0.09	0.09	0.08	<1.0	<1.0	<1.0
							0.46	130	20.1			33.3		8.2		104.3		7.8			2.8			<0.001			2.5			0.08			<1.0		
						M	0.30	307	20.1			33.4	33.4	8.2	8.2	101.6	101.9	7.6	7.6		4.4	4.5		<0.001	<0.001		3.0	3.0		0.08	0.08		<1.0	<1.0	
							0.59	346	20.1			33.4		8.2		102.2		7.6			4.5			<0.001			2.9			0.08			<1.0		
						B	0.45	185	20.0	20.0		33.4	33.4	8.2	8.2	102.7	102.1	7.7	7.6	7.6	9.0	9.9		<0.001	<0.001		7.0	7.3		0.08	0.08		<1.0	<1.0	
							0.13	5	20.0			33.4		8.2		101.5		7.6			10.8			<0.001			7.5			0.08			<1.0		
	IM6	Fine	Moderate	15:49	17.1	S	0.66	178	19.9	19.9	19.8	33.4	33.4	8.1	8.1	99.2	99.2	7.4	7.4	7.4	4.1	4.2	5.0	<0.001	0.003	0.002	3.8	4.0	5.2	0.08	0.08	0.07	<1.0	<1.0	<1.0
							0.13	346	19.9			33.4		8.1		99.1		7.4			4.2			0.004			4.2			0.07			<1.0		
						M	0.41	72	19.7	19.7		33.4	33.4	8.1	8.1	98.6	98.6	7.4	7.4		5.3	5.2		<0.001	<0.001		5.1	5.3		0.07	0.07		<1.0	<1.0	
							1.03	335	19.7			33.4		8.1		98.5		7.4			5.1			<0.001			5.4			0.07			<1.0		
						B	0.14	92	19.7	19.7		33.4	33.4	8.1	8.1	99.5	99.3	7.5	7.4	7.4	5.5	5.6		<0.001	<0.001		6.1	6.3		0.06	0.07		<1.0	<1.0	
							0.05	336	19.7			33.4		8.1		99.1		7.4			5.7			<0.001			6.5			0.07			<1.0		
Mid-Flood	F3	Cloudy	Rough	10:55	18.0	S	0.73	274	19.7	19.7	19.7	33.3	33.3	8.2	8.2	98.6	98.6	7.4	7.4	7.4	4.2	4.2	9.9	<0.001	<0.001	<0.001	4.2	4.4	10.6	0.07	0.08	0.08	<1.0	<1.0	<1.0
							0.84	300	19.7			33.3		8.2		98.5		7.4			4.1			<0.001			4.5			0.08			<1.0		
						M	0.27	323	19.7	19.7		33.3	33.3	8.2	8.2	98.0	98.1	7.4	7.4		6.2	5.9		<0.001	<0.001		5.4	5.3		0.08	0.08		<1.0	<1.0	
							0.19	3	19.7			33.3		8.2		98.2		7.4			5.6			<0.001			5.1			0.08			<1.0		
						B	0.17	9	19.7	19.7		33.3	33.3	8.2	8.2	98.7	98.4	7.4	7.4	7.4	19.4	19.7		<0.001	<0.001		21.7	22.1		0.07	0.07		<1.0	<1.0	
							0.17	9	19.7			33.3		8.2		98.1		7.4			20.0			<0.001			22.4			0.07			<1.0		
	IM6	Cloudy	Rough	10:33	16.8	S	0.39	190	19.7	19.7	19.7	33.4	33.4	8.1	8.1	98.7	98.6	7.4	7.4	7.4	7.4	7.3	8.7	<0.001	0.002	0.001	8.1	8.4	9.4	0.06	0.06	0.06	<1.0	<1.0	<1.0
							0.39	190	19.7			33.4		8.1		98.5		7.4			7.2			0.003			8.6			0.06			<1.0		
						M	0.48	353	19.7	19.7		33.4	33.4	8.1	8.1	98.7	98.7	7.4	7.4		9.3	8.9		<0.001	<0.001		8.4	8.2		0.06	0.06		<1.0	<1.0	
							0.59	56	19.7			33.4		8.1		98.7		7.4			8.4			<0.001			8.0			0.05			<1.0		
						B	0.02	357	19.8	19.8		33.4	33.4	8.1	8.1	99.6	99.4	7.5	7.5	7.5	10.0	10.1		<0.001	<0.001		11.9	11.7		0.06	0.06		<1.0	<1.0	
							0.02	357	19.8			33.4		8.1		99.1		7.4			10.1			<0.001			11.4			0.06			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/01/09**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Calm	10:37	9.2	S	0.81	64	19.3	19.3	19.3	33.6	33.6	8.3	8.3	125.1	125.1	9.4	9.4	9.4	0.6	0.6	0.6	<0.001	<0.001	<0.001	2.2	2.3	2.8	<0.02	<0.02	<0.02	1.1	1.2	1.2
							0.81	64	19.3			33.6		8.3		125.0		9.4			0.5			<0.001			2.4			<0.02			1.3		
						M	0.21	42	19.2	19.2		33.6	33.6	8.3	8.3	123.5	123.7	9.3	9.4		0.5	0.6		<0.001	<0.001		2.5	2.7		<0.02	<0.02		1.3	1.3	
							0.07	137	19.2			33.6		8.3		123.8		9.4			0.6			<0.001			2.8			<0.02			1.3		
						B	0.24	261	19.2	19.2		33.6	33.6	8.3	8.3	120.7	120.7	9.1	9.1	9.1	0.7	0.7		<0.001	<0.001		3.6	3.5		<0.02	<0.02		<1.0	<1.0	
							0.19	221	19.2			33.6		8.3		120.7		9.1			0.6			<0.001			3.3			<0.02			<1.0		
	IM6	Cloudy	Calm	10:04	17.1	S	0.17	114	18.7	18.7	18.6	33.8	33.7	8.2	8.2	102.3	102.3	7.8	7.8	7.7	1.8	1.8	2.5	<0.001	<0.001	0.002	3.4	3.3	3.9	0.04	0.04	0.04	<1.0	<1.0	<1.0
							0.23	174	18.7			33.7		8.2		102.2		7.8			1.8			<0.001			3.2			0.04			<1.0		
						M	0.42	241	18.6	18.6		33.8	33.8	8.2	8.2	100.4	100.5	7.7	7.7		2.3	2.2		<0.001	<0.001		4.0	3.9		0.04	0.04		<1.0	<1.0	
							0.20	96	18.6			33.8		8.2		100.6		7.7			2.0			<0.001			3.7			0.04			<1.0		
						B	0.35	96	18.6	18.6		33.8	33.8	8.2	8.2	98.0	98.1	7.5	7.5	7.5	3.6	3.6		<0.001	0.003		4.6	4.5		0.04	0.05		<1.0	<1.0	
							0.35	96	18.6			33.8		8.2		98.1		7.5			3.5			0.005			4.3			0.05			<1.0		
Mid-Flood	F3	Fine	Calm	14:47	18.2	S	0.48	286	19.8	19.8	19.5	33.5	33.5	8.2	8.2	106.7	106.9	8.0	8.0	7.9	1.5	1.5	1.9	<0.001	<0.001	0.002	2.2	2.4	2.9	0.04	0.05	0.04	<1.0	<1.0	<1.0
							0.43	343	19.8			33.5		8.2		107.0		8.0			1.5			<0.001			2.6			0.05			<1.0		
						M	0.53	28	19.4	19.4		33.4	33.5	8.2	8.2	103.4	104.1	7.8	7.9		1.6	1.7		<0.001	<0.001		3.0	2.8		0.04	0.04		<1.0	<1.0	
							0.53	28	19.5			33.5		8.2		104.7		7.9			1.7			<0.001			2.6			0.04			<1.0		
						B	0.07	129	19.3	19.3		33.5	33.5	8.1	8.2	101.2	101.1	7.7	7.6	7.6	2.4	2.6		<0.001	0.003		4.1	3.4		0.04	0.05		<1.0	<1.0	
							0.53	334	19.3			33.5		8.2		101.0		7.6			2.8			0.004			2.6			0.05			<1.0		
	IM6	Fine	Calm	14:32	17.2	S	0.14	34	19.6	19.6	19.4	33.4	33.4	8.1	8.1	105.2	105.8	7.9	8.0	7.8	1.7	1.8	2.8	<0.001	<0.001	<0.001	2.9	2.8	5.4	0.04	0.04	0.05	<1.0	<1.0	<1.0
							0.16	60	19.7			33.4		8.1		106.3		8.0			1.8			<0.001			2.6			0.04			<1.0		
						M	0.68	222	19.3	19.3		33.5	33.5	8.1	8.1	102.1	102.5	7.7	7.8		1.9	1.9		<0.001	<0.001		3.6	3.5		0.05	0.05		<1.0	<1.0	
							0.17	264	19.3			33.5		8.1		102.9		7.8			1.8			<0.001			3.4			0.05			<1.0		
						B	0.25	74	19.3	19.3		33.5	33.5	8.1	8.1	100.7	100.6	7.6	7.6	7.6	4.7	4.8		<0.001	<0.001		10.6	9.8		0.05	0.05		<1.0	<1.0	
							0.25	74	19.3			33.5		8.1		100.5		7.6			4.9			<0.001			9.0			0.05			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/01/16**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Rough	16:03	9.0	S	0.25	250	20.2	20.2	20.2	32.9	32.9	8.3	8.3	110.2	110.0	8.2	8.2	8.2	3.0	3.0	3.1	<0.001	<0.001	<0.001	4.0	3.9	4.8	0.08	0.08	0.08	<1.0	<1.0	<1.0
							0.25	250	20.2			32.9		8.3		109.7		8.2			2.9			<0.001			3.7			0.08			<1.0		
						M	0.09	352	20.2	20.2		32.9	32.9	8.3	8.3	109.2	109.3	8.2	8.2		3.2	3.1		<0.001	<0.001		4.6	4.8		0.08	0.08		<1.0	<1.0	
							0.21	61	20.2			32.9		8.3		109.3		8.2			2.9			<0.001			5.0			0.08			<1.0		
						B	0.15	126	20.2	20.2		32.9	32.9	8.3	8.3	107.6	108.0	8.0	8.1	8.1	3.2	3.2		<0.001	<0.001		5.9	5.7		0.07	0.08		<1.0	<1.0	
							0.28	65	20.2			33.0		8.3		108.3		8.1			3.1			<0.001			5.5			0.08			<1.0		
	IM6	Fine	Rough	15:32	17.0	S	0.42	338	19.9	19.9	19.9	33.3	33.3	8.2	8.2	108.2	108.2	8.1	8.1	8.0	1.9	1.9	3.2	<0.001	<0.001	<0.001	3.7	3.8	4.6	0.06	0.05	0.04	<1.0	<1.0	<1.0
							0.42	338	19.9			33.3		8.2		108.1		8.1			1.8			<0.001			3.9			0.04			<1.0		
						M	0.22	336	19.9	19.9		33.5	33.5	8.2	8.2	106.5	106.7	8.0	8.0		3.6	3.3		<0.001	<0.001		4.4	4.3		0.04	0.04		<1.0	<1.0	
							0.11	284	19.9			33.5		8.2		106.8		8.0			3.0			<0.001			4.2			0.04			<1.0		
						B	0.04	152	19.9	19.9		33.6	33.6	8.2	8.2	105.7	105.8	7.9	7.9	7.9	4.1	4.4		<0.001	<0.001		5.8	5.7		0.02	0.02		<1.0	<1.0	
							0.04	152	19.9			33.6		8.2		105.9		7.9			4.6			<0.001			5.6			<0.02			<1.0		
Mid-Flood	F3	Cloudy	Rough	10:27	18.0	S	0.68	271	19.9	19.9	19.9	33.5	33.5	8.3	8.3	104.3	104.4	7.8	7.8	7.8	3.8	3.9	8.2	<0.001	<0.001	<0.001	4.0	4.2	8.0	0.02	0.03	0.02	<1.0	<1.0	<1.0
							0.68	271	19.9			33.5		8.3		104.5		7.8			3.9			<0.001			4.4			0.04			<1.0		
						M	0.81	276	19.9	19.9		33.6	33.6	8.3	8.3	103.7	103.7	7.8	7.8		4.8	4.5		<0.001	<0.001		6.8	6.6		0.02	0.02		<1.0	<1.0	
							0.41	236	19.9			33.6		8.3		103.7		7.8			4.2			<0.001			6.4			0.02			<1.0		
						B	0.67	276	19.9	19.9		33.5	33.5	8.3	8.3	103.4	103.6	7.7	7.8	7.7	17.0	16.1		<0.001	<0.001		13.5	13.2		<0.02	<0.02		<1.0	<1.0	
							0.53	291	19.9			33.6		8.3		103.8		7.8			15.2			<0.001			12.8			<0.02			<1.0		
	IM6	Cloudy	Rough	9:58	16	S	0.52	247	20.0	20.0	20.0	33.4	33.4	8.2	8.2	104.9	104.9	7.8	7.8	7.8	5.5	5.4	6.0	<0.001	0.001	0.001	7.4	7.7	9.3	0.03	0.04	0.04	<1.0	<1.0	<1.0
							0.52	247	20.0			33.4		8.2		104.8		7.8			5.2			0.001			7.9			0.05			<1.0		
						M	0.41	268	20.0	20.0		33.4	33.4	8.2	8.2	104.6	104.4	7.8	7.8		5.1	5.1		<0.001	<0.001		8.7	8.5		0.05	0.05		<1.0	<1.0	
							0.32	218	20.0			33.4		8.2		104.2		7.8			5.0			<0.001			8.3			0.05			<1.0		
						B	0.83	293	20.0	20.0		33.4	33.4	8.2	8.2	104.2	104.1	7.8	7.8	7.8	7.6	7.7		<0.001	<0.001		11.1	11.8		0.03	0.04		<1.0	<1.0	
							0.12	339	20.0			33.4		8.2		104.0		7.8			7.7			<0.001			12.5			0.05			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/01/26**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Moderate	12:38	9.2	S	0.35	20	18.4	18.4	18.4	33.7	33.7	8.3	8.3	96.9	97.0	7.4	7.4	7.5	2.8	2.8	2.8	<0.001	<0.001	<0.001	2.4	2.3	2.6	0.06	0.06	0.06	<1.0	<1.0	<1.0
							0.80	33	18.4			33.7		8.3		97.0		7.4			2.7			<0.001			2.2			0.05			<1.0		
						M	0.27	308	18.4	18.4		33.8	33.8	8.3	8.3	97.7	97.5	7.5	7.5		2.7	2.8		<0.001	<0.001		2.6	2.6		0.08	0.07		<1.0	<1.0	
							0.27	308	18.4			33.8		8.3		97.3		7.5			2.8			<0.001			2.5			0.06			<1.0		
						B	0.22	329	18.4	18.4		33.8	33.8	8.3	8.3	104.2	101.7	8.0	7.8	7.8	3.1	3.0		<0.001	<0.001		2.8	2.9		0.06	0.06		<1.0	<1.0	
							0.09	249	18.4			33.8		8.3		99.1		7.6			2.8			<0.001			3.0			0.06			<1.0		
	IM6	Cloudy	Moderate	12:08	17.0	S	0.17	101	19.8	19.8	19.8	34.3	34.3	8.2	8.2	98.6	98.7	7.4	7.4	7.4	2.6	2.5	2.8	<0.001	<0.001	<0.001	3.0	2.9	3.3	<0.02	<0.02	0.02	<1.0	<1.0	<1.0
							0.17	101	19.8			34.3		8.2		98.8		7.4			2.4			<0.001			2.8			<0.02			<1.0		
						M	0.15	326	19.8	19.8		34.3	34.3	8.2	8.2	98.7	98.4	7.4	7.3		3.0	3.1		<0.001	<0.001		3.0	3.2		0.02	0.02		<1.0	<1.0	
							0.15	326	19.8			34.3		8.2		98.1		7.3			3.1			<0.001			3.4			<0.02			<1.0		
						B	0.36	241	19.8	19.8		34.3	34.3	8.2	8.2	101.3	100.5	7.6	7.5	7.5	2.8	2.7		<0.001	<0.001		3.6	3.7		<0.02	<0.02		<1.0	<1.0	
							0.36	241	19.8			34.3		8.2		99.6		7.4			2.6			<0.001			3.9			<0.02			<1.0		
Mid-Flood	F3	Cloudy	Moderate	7:21	17.7	S	0.54	298	19.8	19.8	19.8	34.2	34.2	8.3	8.3	98.2	98.0	7.3	7.3	7.3	2.3	2.4	2.8	<0.001	<0.001	<0.001	4.7	4.6	3.7	0.09	0.09	0.04	<1.0	<1.0	<1.0
							0.54	298	19.8			34.2		8.3		97.7		7.3			2.5			<0.001			4.4			0.08			<1.0		
						M	0.57	267	19.8	19.8		34.2	34.2	8.3	8.3	97.9	97.6	7.3	7.3		2.7	2.6		<0.001	<0.001		3.4	3.5		<0.02	<0.02		<1.0	<1.0	
							0.15	272	19.8			34.2		8.3		97.3		7.3			2.5			<0.001			3.6			<0.02			<1.0		
						B	0.53	301	19.8	19.8		34.2	34.2	8.3	8.3	100.5	99.8	7.5	7.4	7.4	2.9	3.3		<0.001	<0.001		3.1	2.9		<0.02	<0.02		<1.0	<1.0	
							0.53	301	19.8			34.3		8.3		99.1		7.4			3.7			<0.001			2.7			<0.02			<1.0		
	IM6	Cloudy	Moderate	7:06	16.3	S	0.09	162	19.3	19.3	19.3	34.1	34.1	8.2	8.2	96.9	97.1	7.3	7.3	7.3	2.7	2.8	3.3	<0.001	<0.001	<0.001	2.9	3.0	3.4	<0.02	<0.02	<0.02	<1.0	<1.0	<1.0
							0.09	162	19.3			34.1		8.2		97.2		7.3			2.8			<0.001			3.1			<0.02			<1.0		
						M	0.15	82	19.3	19.3		34.1	34.1	8.2	8.2	97.2	97.1	7.3	7.3		3.7	3.6		<0.001	<0.001		3.4	3.5		<0.02	<0.02		<1.0	<1.0	
							0.35	235	19.3			34.2		8.2		97.0		7.3			3.4			<0.001			3.6			<0.02			<1.0		
						B	0.1	15	19.3	19.3		34.1	34.1	8.2	8.2	99.6	98.8	7.5	7.4	7.4	3.5	3.6		<0.001	<0.001		3.7	3.8		<0.02	<0.02		<1.0	<1.0	
							0.22	288	19.3			34.1		8.2		97.9		7.4			3.6			<0.001			3.9			<0.02			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/01/31**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Moderate	15:12	9.0	S	0.68	34	19.6	19.6	19.4	34.2	34.2	8.4	8.4	98.1	98.3	7.3	7.4	7.3	3.2	3.2	3.6	<0.001	<0.001	<0.001	4.5	4.7	5.6	<0.02	<0.02	0.02	<1.0	<1.0	<1.0
							0.68	34	19.6			34.2		8.4		98.4		7.4			3.1			<0.001			4.9			<0.02			<1.0		
						M	0.21	43	19.5	19.4		34.2	34.2	8.4	8.4	97.5	97.2	7.3	7.3		3.5	3.7		<0.001	<0.001		5.6	5.4		<0.02	<0.02		<1.0	<1.0	
							0.10	157	19.3			34.2		8.4		96.8		7.3			3.9			<0.001			5.2			<0.02			<1.0		
						B	0.30	117	19.1	19.1		34.2	34.2	8.4	8.4	96.4	96.3	7.3	7.3		3.8	3.8		<0.001	<0.001		6.7	6.6		0.03	0.03		<1.0	<1.0	
							0.39	18	19.1			34.2		8.4		96.2		7.3			3.8			<0.001			6.4			0.02			<1.0		
	IM6	Cloudy	Moderate	14:41	17.0	S	0.20	129	19.7	19.7	19.3	34.3	34.3	8.4	8.4	99.7	99.6	7.5	7.4	7.4	1.8	1.8	2.2	<0.001	0.005	0.002	2.8	2.7	3.4	<0.02	<0.02	<0.02	<1.0	<1.0	<1.0
							0.26	4	19.7			34.3		8.4		99.5		7.4			1.8			0.008			2.5			<0.02			<1.0		
						M	0.52	171	19.3	19.3		34.3	34.3	8.4	8.4	98.2	98.2	7.4	7.4		2.7	2.6		<0.001	<0.001		3.5	3.4		<0.02	<0.02		<1.0	<1.0	
							0.06	318	19.3			34.3		8.4		98.1		7.4			2.4			<0.001			3.2			<0.02			<1.0		
						B	0.12	39	19.1	19.1		34.2	34.2	8.4	8.4	99.6	99.5	7.5	7.5		2.3	2.2		<0.001	<0.001		4.3	4.2		<0.02	<0.02		<1.0	<1.0	
							0.12	39	19.1			34.2		8.4		99.3		7.5			2.0			<0.001			4.0			<0.02			<1.0		
Mid-Flood	F3	Cloudy	Moderate	9:54	18.0	S	0.57	299	19.5	19.5	19.5	34.5	34.5	8.3	8.3	99.1	98.8	7.4	7.4	7.4	1.1	1.2	1.3	<0.001	<0.001	<0.001	2.5	2.7	3.4	<0.02	<0.02	<0.02	<1.0	<1.0	<1.0
							0.57	299	19.5			34.5		8.3		98.4		7.4			1.3			<0.001			2.8			<0.02			<1.0		
						M	0.7	293	19.5	19.5		34.5	34.5	8.3	8.3	99.1	99.2	7.4	7.4		1.2	1.2		<0.001	<0.001		3.6	3.5		<0.02	<0.02		<1.0	<1.0	
							0.7	293	19.5			34.5		8.3		99.2		7.4			1.1			<0.001			3.3			<0.02			<1.0		
						B	0.29	310	19.5	19.5		34.5	34.5	8.3	8.3	99.4	99.5	7.4	7.4	7.4	1.5	1.5		<0.001	<0.001		3.8	4.0		<0.02	<0.02		<1.0	<1.0	
							0.53	321	19.5			34.5		8.3		99.5		7.4			1.5			<0.001			4.1			<0.02			<1.0		
	IM6	Cloudy	Moderate	9:38	17	S	0.25	30	19.8	19.7	19.7	34.5	34.5	8.3	8.3	98.4	98.2	7.3	7.3	7.3	1.7	1.7	2.9	<0.001	<0.001	<0.001	4.2	4.0	5.4	<0.02	<0.02	<0.02	<1.0	<1.0	<1.0
							0.25	30	19.7			34.5		8.3		97.9		7.3			1.7			<0.001			3.8			<0.02			<1.0		
						M	0.34	16	19.7	19.7		34.5	34.5	8.3	8.3	98.8	98.8	7.4	7.4		2.3	2.4		<0.001	<0.001		4.8	5.0		<0.02	<0.02		<1.0	<1.0	
							0.18	56	19.7			34.5		8.3		98.8		7.4			2.4			<0.001			5.1			<0.02			<1.0		
						B	0.21	19	19.7	19.7		34.5	34.5	8.3	8.3	99.5	99.3	7.4	7.4	7.4	4.3	4.7		<0.001	<0.001		7.1	7.3		<0.02	<0.02		<1.0	<1.0	
							0.39	292	19.7			34.5		8.3		99.1		7.4			5.0			<0.001			7.5			<0.02			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/02/08**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Moderate	11:12	9.3	S	0.09	273	19.4	19.3	19.3	34.3	34.3	8.2	8.2	94.2	94.2	7.1	7.1	7.1	3.4	3.6	3.3	<0.001	<0.001	0.001	5.2	5.3	5.2	0.12	0.13	0.12	<1.0	<1.0	<1.0
							0.09	273	19.3			34.3		8.2		94.1		7.1			3.8			<0.001			5.4			0.13			<1.0		
						M	0.19	104	19.4	19.4		34.3	34.3	8.2	8.2	94.8	94.7	7.1	7.1		3.1	3.3		<0.001	0.002		5.2	4.8		0.12	0.12		<1.0	<1.0	
							0.19	104	19.4			34.3		8.2		94.5		7.1			3.4			0.003			4.4			0.11			<1.0		
						B	0.12	11	19.3	19.3		34.2	34.2	8.2	8.2	98.3	97.3	7.4	7.3	7.3	3.0	3.0		<0.001	<0.001		5.1	5.5		0.11	0.12		<1.0	<1.0	
							0.05	332	19.3			34.3		8.2		96.3		7.2			3.0			<0.001			5.9			0.12			<1.0		
	IM6	Cloudy	Moderate	10:40	17.1	S	0.07	287	18.2	18.2	18.2	34.2	34.1	8.3	8.3	100.0	100.0	7.7	7.7	7.7	1.3	1.2	1.8	<0.001	<0.001	<0.001	2.2	2.5	3.9	<0.02	<0.02	<0.02	<1.0	<1.0	<1.0
							0.13	232	18.2			34.1		8.3		100.0		7.7			1.1			<0.001			2.7			<0.02			<1.0		
						M	0.18	133	18.2	18.2		34.2	34.3	8.3	8.3	99.8	99.8	7.7	7.7		2.8	2.5		<0.001	<0.001		4.5	5.5		<0.02	<0.02	<0.02	<1.0	<1.0	
							0.18	133	18.2			34.2		8.3		99.7		7.7			2.2			<0.001			6.4			<0.02			<1.0		
						B	0.09	347	18.2	18.2		34.2	34.2	8.3	8.3	99.9	99.9	7.7	7.7		1.6	1.7		<0.001	<0.001		4.2	3.8		<0.02	<0.02		<1.0	<1.0	
							0.01	270	18.2			34.2		8.3		99.8		7.7			1.7			<0.001			3.3			<0.02			<1.0		
Mid-Flood	F3	Cloudy	Moderate	15:35	18.0	S	0.28	312	18.3	18.3	18.3	34.1	34.1	8.4	8.4	107.6	107.6	8.3	8.3	8.3	0.7	0.7	0.9	<0.001	<0.001	<0.001	1.6	2.2	1.8	<0.02	<0.02	<0.02	<1.0	<1.0	<1.0
							0.16	314	18.3			34.1		8.4		107.6		8.3			0.7			<0.001			2.7			<0.02			<1.0		
						M	0.22	65	18.3	18.3		34.1	34.1	8.4	8.4	107.5	107.5	8.3	8.3		0.9	0.9		<0.001	<0.001		1.6	1.6		<0.02	<0.02		<1.0	<1.0	
							0.53	279	18.3			34.1		8.4		107.4		8.2			0.8			<0.001			1.6			<0.02			<1.0		
						B	0.65	318	18.3	18.3		34.1	34.1	8.4	8.4	107.8	107.7	8.3	8.3	8.3	1.0	1.2		<0.001	<0.001		1.4	1.6		<0.02	<0.02		<1.0	<1.0	
							0.36	327	18.3			34.1		8.4		107.6		8.3			1.3			<0.001			1.8			<0.02			<1.0		
	IM6	Cloudy	Moderate	15:22	17.3	S	0.26	307	18.1	18.1	18.1	34.1	34.1	8.3	8.4	106.5	106.7	8.2	8.2	8.2	1.0	1.0	1.2	<0.001	0.003	0.002	2.8	2.5	2.7	<0.02	<0.02	<0.02	<1.0	<1.0	<1.0
							0.31	332	18.1			34.1		8.4		106.8		8.2			1.0			0.004			2.2			<0.02			<1.0		
						M	0.16	313	18.1	18.1		34.1	34.1	8.3	8.3	106.1	106.2	8.2	8.2		1.2	1.3		<0.001	<0.001		2.4	2.5		<0.02	<0.02		<1.0	<1.0	
							0.16	313	18.2			34.1		8.3		106.3		8.2			1.4			<0.001			2.6			<0.02			<1.0		
						B	0.08	24	18.2	18.2		34.0	34.1	8.2	8.3	105.9	105.8	8.1	8.1	8.1	1.3	1.3		<0.001	<0.001		2.5	3.1		<0.02	<0.02		<1.0	<1.0	
							0.08	24	18.2			34.1		8.3		105.7		8.1			1.3			<0.001			3.6			<0.02			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/02/15**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Calm	16:11	9.0	S	0.12	63	19.5	19.7	19.3	34.0	33.9	8.3	8.3	108.8	109.2	8.2	8.2	8.1	1.7	1.7	1.8	<0.001	<0.001	<0.001	3.3	3.2	2.7	0.11	0.11	0.12	<1.0	<1.0	<1.0
							0.19	142	20.0			33.9		8.3		109.6		8.2			1.7			<0.001			3.0			0.11			<1.0		
						M	0.22	123	19.2	19.2		33.9	33.9	8.3	8.3	106.1	106.7	8.0	8.1		1.7	1.7		<0.001	<0.001		2.8	2.7		0.12	0.11		<1.0	<1.0	
							0.17	351	19.2			33.9		8.3		107.3		8.1			1.7			<0.001			2.6			0.10			<1.0		
						B	0.17	53	19.1	19.1		33.9	33.9	8.2	8.2	102.6	103.4	7.8	7.8	7.8	1.9	2.0		<0.001	<0.001		2.4	2.3		0.12	0.13		<1.0	<1.0	
							0.17	53	19.1			33.9		8.2		104.1		7.9			2.1			<0.001			2.2			0.13			<1.0		
	IM6	Fine	Calm	15:41	17.0	S	0.12	121	20.2	20.3	19.7	33.9	33.9	8.3	8.3	113.2	113.5	8.4	8.4	8.3	0.8	0.8	1.0	<0.001	<0.001	0.001	3.8	3.6	3.1	0.04	0.04	0.03	<1.0	<1.0	<1.0
							0.14	162	20.3			33.9		8.3		113.8		8.4			0.8			<0.001			3.4			0.04			<1.0		
						M	0.18	38	19.5	19.5		34.2	34.2	8.3	8.3	108.0	108.6	8.1	8.1		0.7	0.8		<0.001	0.002		3.1	3.0		<0.02	<0.02		<1.0	<1.0	
							0.27	1	19.5			34.2		8.3		109.1		8.2			0.8			0.002			2.9			<0.02			<1.0		
						B	0.22	359	19.4	19.4		34.2	34.2	8.2	8.2	105.9	105.5	8.0	7.9	7.9	1.4	1.4		<0.001	<0.001		2.7	2.6		0.02	0.02		<1.0	<1.0	
							0.22	359	19.4			34.2		8.2		105.1		7.9			1.3			<0.001			2.5			0.02			<1.0		
Mid-Flood	F3	Cloudy	Calm	9:41	18.0	S	0.29	193	19.3	19.3	19.3	34.0	34.0	8.3	6.3	104.5	105.0	7.9	7.9	7.8	1.0	1.3	1.1	<0.001	<0.001	<0.001	1.4	1.3	1.9	0.05	0.05	0.04	<1.0	<1.0	<1.0
							0.17	284	19.3			34.0		8.3		105.4		7.9			1.1			<0.001			1.2			0.05			<1.0		
						M	0.36	277	19.4	19.4		34.1	34.1	8.3	8.3	102.7	102.9	7.7	7.7		0.9	0.8		<0.001	<0.001		1.9	1.8		0.03	0.03		<1.0	<1.0	
							0.36	277	19.4			34.1		8.3		103.0		7.8			0.7			<0.001			1.6			0.03			<1.0		
						B	0.18	62	19.3	19.3		34.1	34.1	8.3	8.3	102.1	102.1	7.7	7.7	7.7	1.4	1.4		<0.001	<0.001		2.3	2.5		0.04	0.04		<1.0	<1.0	
							0.18	62	19.3			34.1		8.3		102.1		7.7			1.4			<0.001			2.7			0.04			<1.0		
	IM6	Cloudy	Calm	9:22	17.0	S	0.23	328	19.3	19.3	19.3	34.0	34.0	8.2	8.2	104.4	104.3	7.9	7.9	7.9	1.2	1.3	1.6	<0.001	0.004	0.003	3.1	2.9	2.3	0.04	0.05	0.05	<1.0	<1.0	<1.0
							0.05	355	19.3			34.0		8.2		104.2		7.9			1.3			0.007			2.7			0.05			<1.0		
						M	0.13	313	19.3	19.3		34.0	34.0	8.2	8.2	104.1	104.2	7.8	7.9		1.3	1.4		<0.001	<0.001		2.2	2.4		0.05	0.05		<1.0	<1.0	
							0.3	355	19.3			34.0		8.2		104.3		7.9			1.4			<0.001			2.5			0.04			<1.0		
						B	0.33	312	19.4	19.4		34.0	34.0	8.2	8.2	104.8	104.8	7.9	7.9	7.9	1.8	2.1		<0.001	0.004		1.8	1.7		0.05	0.06		<1.0	<1.0	
							0.16	271	19.4			34.1		8.2		104.7		7.9			2.3			0.006			1.6			0.06			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/02/23**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Rough	12:02	9.0	S	0.30	335	20.9	20.9	20.8	33.2	33.2	8.2	8.2	100.0	100.1	7.4	7.4	7.3	1.0	1.0	1.3	<0.001	<0.001	<0.001	1.3	1.4	1.8	0.19	0.19	0.20	1.1	1.1	1.0
							0.19	4	20.9			33.2		8.2		100.1		7.4			1.0			<0.001			1.4			0.19			1.1		
						M	0.19	164	20.8	20.8		33.1	33.1	8.2	8.2	99.6	99.7	7.3	7.3		1.4	1.4		<0.001	<0.001		1.6	1.7		0.20	0.20		<1.0	<1.0	
							0.22	317	20.9			33.1		8.2		99.7		7.3			1.4			<0.001			1.8			0.20			<1.0		
						B	0.26	288	20.8	20.8		33.1	33.1	8.2	8.2	100.7	100.3	7.4	7.4	7.4	1.5	1.5		<0.001	<0.001		2.5	2.4		0.20	0.20		<1.0	<1.0	
							0.20	323	20.8			33.1		8.2		99.8		7.4			1.4			<0.001			2.3			0.19			<1.0		
	IM6	Cloudy	Rough	11:25	17.0	S	0.05	165	20.5	20.5	20.5	33.2	33.3	8.2	8.2	99.7	99.6	7.4	7.4	7.4	1.2	1.2	1.1	<0.001	0.002	0.002	2.9	2.8	2.5	0.28	0.27	0.21	4.4	4.0	2.2
							0.05	165	20.5			33.3		8.2		99.5		7.4			1.2			0.003			2.7			0.25			3.6		
						M	0.10	19	20.5	20.5		33.3	33.3	8.2	8.2	99.5	99.5	7.4	7.4		0.8	0.8		<0.001	0.004		2.6	2.5		0.17	0.18		1.7	1.6	
							0.06	274	20.5			33.3		8.2		99.4		7.4			0.8			0.006			2.4			0.18			1.4		
						B	0.11	312	20.5	20.5		33.3	33.3	8.2	8.2	99.8	99.7	7.4	7.4	7.4	1.3	1.4		<0.001	<0.001		2.1	2.2		0.18	0.18		1.2	1.2	
							0.11	312	20.5			33.3		8.2		99.6		7.4			1.4			<0.001			2.2			0.17			1.1		
Mid-Flood	F3	Cloudy	Rough	6:20	17.0	S	0.57	289	20.7	20.7	20.6	33.5	33.5	8.2	8.2	103.6	103.3	7.6	7.6	7.6	0.1	0.1	0.4	<0.001	<0.001	0.001	<1.0	<1.0	1.4	0.23	0.25	0.14	<1.0	<1.0	<1.0
							0.34	260	20.7			33.5		8.2		102.9		7.6			0.1			<0.001			<1.0			0.26			<1.0		
						M	0.41	235	20.7	20.7		33.7	33.7	8.3	8.2	104.2	104.2	7.7	7.7		0.1	0.1		<0.001	<0.001		1.5	1.4		0.16	0.16		<1.0	<1.0	
							0.41	235	20.7			33.6		8.2		104.1		7.7			0.1			<0.001			1.3			0.16			<1.0		
						B	0.25	310	20.3	20.3		34.1	34.1	8.3	8.3	103.9	104.0	7.7	7.7	7.7	1.0	1.0		<0.001	0.002		1.9	1.8		0.02	0.02		<1.0	<1.0	
							0.25	310	20.3			34.1		8.3		104.1		7.7			0.9			0.002			1.7			0.02			<1.0		
	IM6	Cloudy	Rough	6:02	16.0	S	0.32	307	20.7	20.7	20.6	33.2	33.2	8.2	8.2	104.3	104.3	7.7	7.7	7.7	0.0	0.0	1.3	<0.001	0.003	0.003	1.3	1.4	2.5	0.19	0.19	0.13	<1.0	<1.0	<1.0
							0.37	235	20.7			33.2		8.2		104.3		7.7			0.0			0.004			1.5			0.18			<1.0		
						M	0.28	229	20.6	20.6		33.6	33.6	8.3	8.3	105.0	105.0	7.7	7.7		1.0	1.0		<0.001	<0.001		2.3	2.5		0.13	0.13		<1.0	<1.0	
							0.11	270	20.6			33.6		8.3		104.9		7.7			0.9			<0.001			2.6			0.12			<1.0		
						B	0.17	348	20.5	20.5		33.8	33.8	8.3	8.3	104.9	104.9	7.7	7.7	7.7	2.9	2.9		<0.001	0.004		3.6	3.8		0.08	0.08		<1.0	<1.0	
							0.08	6	20.5			33.8		8.3		104.8		7.7			2.8			0.007			3.9			0.08			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/02/28**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Rough	14:07	9.0	S	0.10	282	19.9	19.9	19.9	33.9	33.9	8.2	8.2	101.8	101.9	7.6	7.6	7.6	2.4	2.4	3.4	<0.001	<0.001	<0.001	1.8	2.3	2.2	0.08	0.08	0.08	1.1	1.1	1.0
							0.14	107	19.9			33.9		8.2		102.0		7.6			2.4			<0.001			2.7			0.08			1.0		
						M	0.30	95	19.9	19.9		33.9	33.9	8.2	8.2	101.4	101.5	7.6	7.6		2.8	2.8		<0.001	<0.001		1.9	2.0		0.08	0.08		<1.0	<1.0	
							0.30	95	19.9			33.9		8.2		101.6		7.6			2.8			<0.001			2.0			0.08			<1.0		
						B	0.17	5	19.9	19.9		33.9	33.9	8.2	8.2	101.8	101.7	7.6	7.6	7.6	5.0	4.9		<0.001	<0.001		2.1	2.5		0.08	0.09		<1.0	<1.0	
							0.18	28	19.9			33.9		8.2		101.5		7.6			4.8			<0.001			2.8			0.09			<1.0		
	IM6	Cloudy	Rough	13:34	17.0	S	0.21	64	20.3	20.3	20.4	34.2	34.2	8.2	8.2	100.4	100.5	7.4	7.4	7.4	1.3	1.3	1.3	<0.001	<0.001	0.003	1.4	1.3	1.4	0.03	0.03	0.04	<1.0	<1.0	<1.0
							0.21	64	20.4			34.2		8.2		100.5		7.4			1.3			<0.001			1.2			0.03			<1.0		
						M	0.18	190	20.4	20.4		34.2	34.2	8.2	8.2	100.4	100.4	7.4	7.4		1.3	1.3		<0.001	<0.001		1.7	1.9		0.04	0.04		<1.0	<1.0	
							0.07	196	20.4			34.2		8.2		100.4		7.4			1.2			<0.001			2.0			0.04			<1.0		
						B	0.28	48	20.4	20.2		34.3	34.3	8.2	8.2	101.1	100.9	7.5	7.4	7.4	1.3	1.3		<0.001	0.006		<1.0	<1.0		0.04	0.04		<1.0	<1.0	
							0.04	269	20.4			34.3		8.2		100.6		7.4			1.3			0.011			<1.0			0.04			<1.0		
Mid-Flood	F3	Cloudy	Rough	8:04	18.0	S	0.12	307	20.7	20.6	20.6	34.4	34.4	8.3	8.3	100.5	100.5	7.4	7.4	7.4	1.6	1.6	1.8	<0.001	0.001	0.144	<1.0	<1.0	<1.0	<0.02	<0.02	<0.02	<1.0	<1.0	<1.0
							0.19	251	20.6			34.4		8.3		100.5		7.4			1.5			0.001			<1.0			<0.02			<1.0		
						M	0.49	283	20.6	20.6		34.4	34.4	8.3	8.3	100.3	100.3	7.4	7.4		1.3	1.3		<0.001	<0.001		<1.0	<1.0		<0.02	<0.02		<1.0	<1.0	
							0.4	275	20.7			34.4		8.3		100.3		7.4			1.2			<0.001			<1.0			<0.02			<1.0		
						B	0.54	309	20.6	20.6		34.4	34.4	8.3	8.3	101.5	101.3	7.5	7.4	7.4	2.6	2.5		<0.001	<0.001		<1.0	<1.0		<0.02	<0.02		<1.0	<1.0	
							0.41	301	20.6			34.4		8.3		101.0		7.4			2.4			<0.001			<1.0			<0.02			<1.0		
	IM6	Cloudy	Rough	7:36	17.0	S	0.31	254	20.6	20.6	20.6	34.4	34.4	8.2	8.2	100.4	100.4	7.4	7.4	7.4	2.0	1.9	2.0	<0.001	<0.001	<0.001	1.1	1.3	2.0	<0.02	<0.02	0.02	<1.0	<1.0	<1.0
							0.22	19	20.6			34.4		8.2		100.4		7.4			1.8			<0.001			1.5			<0.02			<1.0		
						M	0.22	276	20.6	20.6		34.4	34.4	8.2	8.2	100.7	100.6	7.4	7.4		1.7	1.7		<0.001	<0.001		2.0	1.6		<0.02	0.03		<1.0	<1.0	
							0.2	335	20.6			34.4		8.2		100.5		7.4			1.7			<0.001			1.1			0.03			<1.0		
						B	0.11	352	20.6	20.6		34.4	34.4	8.2	8.2	101.5	101.2	7.4	7.4	7.4	2.5	2.4		<0.001	<0.001		3.6	3.0		<0.02	<0.02		<1.0	<1.0	
							0.11	352	20.6			34.4		8.2		100.9		7.4			2.3			<0.001			2.4			<0.02			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/03/07**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Moderate	9:48	9.0	S	0.25	288	20.1	20.1	20.1	34.2	34.2	8.3	8.3	102.6	102.6	7.6	7.6	7.6	1.7	1.7	2.3	<0.001	<0.001	<0.001	1.2	1.3	1.8	0.08	0.08	0.07	<1.0	<1.0	<1.0
							0.05	258	20.1			34.2		8.3		102.6		7.6			1.7			<0.001			1.3			0.08			<1.0		
						M	0.37	324	20.1	20.1		34.2	34.2	8.3	8.3	102.7	102.7	7.6	7.6		2.4	2.3		<0.001	<0.001		1.8	1.7		0.08	0.08		<1.0	<1.0	
							0.13	160	20.1			34.2		8.3		102.7		7.6			2.2			<0.001			1.6			0.08			<1.0		
						B	0.18	205	20.1	20.1		34.2	34.2	8.3	8.3	103.1	103.0	7.7	7.6	7.6	3.0	3.0		<0.001	<0.001		2.5	2.6		0.01	0.05		<1.0	<1.0	
							0.25	245	20.1			34.2		8.3		102.9		7.6			2.9			<0.001			2.6			0.08			<1.0		
	IM6	Cloudy	Moderate	9:16	17.0	S	0.22	249	20.6	20.6	20.6	34.4	34.4	8.3	8.3	101.1	101.1	7.4	7.4	7.4	1.4	1.4	2.0	<0.001	<0.001	<0.001	<1.0	<1.0	1.7	0.05	0.06	0.06	<1.0	<1.0	<1.0
							0.25	245	20.6			34.4		8.3		101.0		7.4			1.3			<0.001			<1.0			0.07			<1.0		
						M	0.30	269	20.6	20.6		34.4	34.4	8.3	8.3	101.1	101.1	7.4	7.4		1.8	1.8		<0.001	<0.001		1.6	1.7		0.06	0.06		<1.0	<1.0	
							0.30	269	20.6			34.4		8.3		101.1		7.4			1.7			<0.001			1.7			0.06			<1.0		
						B	0.21	355	20.6	20.6		34.4	34.4	8.3	8.3	102.1	101.8	7.5	7.5	7.5	3.0	2.9		<0.001	<0.001		2.6	2.5		0.06	0.06		<1.0	<1.0	
							0.26	284	20.6			34.4		8.3		101.4		7.4			2.8			<0.001			2.4			0.06			<1.0		
Mid-Flood	F3	Cloudy	Moderate	14:24	17.0	S	0.31	237	20.6	20.6	20.6	34.4	34.4	8.3	8.3	103.5	103.8	7.6	7.6	7.6	1.3	1.3	4.1	<0.001	<0.001	<0.001	<1.0	<1.0	5.0	0.07	0.07	0.07	<1.0	<1.0	<1.0
							0.17	328	20.6			34.4		8.3		104.0		7.6			1.2			<0.001			<1.0			0.07			<1.0		
						M	0.28	242	20.6	20.6		34.4	34.4	8.3	8.3	102.4	102.7	7.5	7.5		1.3	1.3		<0.001	<0.001		1.2	1.4		0.06	0.07		<1.0	<1.0	
							0.04	41	20.6			34.4		8.3		102.9		7.6			1.2			<0.001			1.5			0.07			<1.0		
						B	0.26	309	20.6	20.6		34.4	34.4	8.3	8.3	102.6	102.3	7.5	7.5	7.5	10.0	9.7		<0.001	<0.001		12.8	12.6		0.06	0.07		<1.0	<1.0	
							0.21	306	20.6			34.4		8.3		102.0		7.5			9.4			<0.001			12.3			0.07			<1.0		
	IM6	Cloudy	Moderate	14:10	16.0	S	0.27	314	20.7	20.7	20.7	34.4	34.4	8.3	8.3	102.6	102.8	7.5	7.5	7.5	2.1	2.0	2.5	<0.001	<0.001	<0.001	1.9	1.9	1.7	0.06	0.06	0.07	<1.0	<1.0	<1.0
							0.24	244	20.8			34.4		8.3		103.0		7.5			1.9			<0.001			1.8			0.06			<1.0		
						M	0.06	241	20.7	20.7		34.4	34.4	8.3	8.3	101.7	101.7	7.5	7.5		3.1	3.0		<0.001	<0.001		1.8	1.7		0.07	0.07		<1.0	<1.0	
							0.22	318	20.7			34.4		8.3		101.7		7.5			2.9			<0.001			1.6			0.07			<1.0		
						B	0.09	228	20.6	20.6		34.4	34.4	8.2	8.2	102.1	101.8	7.5	7.5	7.5	2.5	2.5		<0.001	<0.001		1.6	1.6		0.06	0.07		<1.0	<1.0	
							0.09	228	20.6			34.4		8.2		101.5		7.5			2.4			<0.001			1.6			0.07			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/03/14**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Rough	14:47	9.0	S	0.27	45	19.8	19.8	19.7	34.0	34.0	8.2	8.2	104.2	104.4	7.8	7.8	7.7	2.1	2.1	2.7	<0.001	<0.001	<0.001	1.7	1.8	2.5	0.13	0.14	0.13	<1.0	<1.0	<1.0
							0.30	66	19.8			34.0		8.2		104.5		7.8			2.1			<0.001			1.9			0.14			<1.0		
						M	0.19	319	19.7	19.7		34.1	34.1	8.2	8.2	102.3	102.5	7.7	7.7		2.3	2.3		<0.001	<0.001		2.6	2.4		0.13	0.13		<1.0	<1.0	
							0.14	65	19.7			34.1		8.2		102.6		7.7			2.2			<0.001			2.2			0.13			<1.0		
						B	0.39	82	19.5	19.5		34.1	34.1	8.2	8.2	101.1	101.0	7.6	7.6	7.6	3.6	3.7		<0.001	<0.001		3.3	3.2		0.11	0.12		<1.0	<1.0	
							0.26	60	19.5			34.1		8.2		100.9		7.6			3.7			<0.001			3.0			0.12			<1.0		
	IM6	Cloudy	Rough	14:12	17.0	S	0.18	101	19.5	19.5	19.6	34.1	34.1	8.2	8.2	99.8	99.9	7.5	7.5	7.5	2.2	2.2	2.5	<0.001	0.001	0.001	2.4	2.5	2.2	0.07	0.07	0.05	2.2	2.5	1.5
							0.27	343	19.6			34.1		8.2		100.0		7.5			2.2			0.001			2.5			0.07			2.8		
						M	0.29	114	19.5	19.5		34.2	34.2	8.2	8.2	99.5	99.5	7.5	7.5		2.7	2.9		<0.001	<0.001		2.2	2.2		0.04	0.04		<1.0	<1.0	
							0.31	109	19.5			34.2		8.2		99.4		7.5			3.0			<0.001			2.1			0.04			<1.0		
						B	0.17	157	19.7	19.7		34.3	34.3	8.2	8.2	100.1	100.0	7.5	7.5	7.5	2.3	2.5		<0.001	<0.001		1.9	1.9		0.04	0.04		<1.0	<1.0	
							0.11	270	19.6			34.3		8.2		99.9		7.5			2.6			<0.001			1.8			0.04			<1.0		
Mid-Flood	F3	Cloudy	Rough	8:10	18.0	S	0.81	268	19.4	19.4	19.4	34.2	34.2	8.3	8.3	99.5	99.6	7.5	7.5	7.5	2.3	2.4	3.3	<0.001	<0.001	<0.001	1.9	1.8	2.3	0.11	0.11	0.11	1.7	1.9	1.4
							0.81	268	19.4			34.2		8.3		99.7		7.5			2.4			<0.001			1.7			0.11			2.1		
						M	0.47	311	19.4	19.4		34.2	34.2	8.3	8.3	99.9	99.7	7.5	7.5		3.0	3.1		<0.001	<0.001		2.1	2.2		0.11	0.12		<1.0	<1.0	
							0.48	272	19.4			34.2		8.3		99.4		7.5			3.1			<0.001			2.3			0.12			<1.0		
						B	0.40	286	19.4	19.4		34.2	34.2	8.3	8.3	100.7	100.4	7.6	7.5	7.5	4.0	4.6		<0.001	<0.001		2.6	2.8		0.11	0.11		1.6	1.4	
							0.36	290	19.4			34.2		8.3		100.0		7.5			5.2			<0.001			2.9			0.11			1.1		
	IM6	Cloudy	Rough	7:50	16.8	S	0.27	283	19.4	19.4	19.4	34.3	34.3	8.3	8.3	99.7	99.7	7.5	7.5	7.5	3.4	3.4	4.0	<0.001	<0.001	0.002	3.1	3.2	3.6	0.08	0.09	0.08	1.1	1.2	1.7
							0.27	283	19.4			34.3		8.3		99.7		7.5			3.3			<0.001			3.3			0.09			1.3		
						M	0.03	268	19.4	19.4		34.3	34.3	8.3	8.3	100.1	100.0	7.5	7.5		3.8	3.9		<0.001	<0.001		3.6	3.5		0.08	0.09		<1.0	<1.0	
							0.33	108	19.4			34.3		8.3		99.8		7.5			3.9			<0.001			3.4			0.09			<1.0		
						B	0.28	10	19.4	19.4		34.3	34.3	8.3	8.3	101.4	101.0	7.6	7.6	7.6	4.5	4.7		<0.001	0.004		4.4	4.2		0.08	0.08		2.8	2.9	
							0.27	298	19.4			34.3		8.3		100.6		7.6			4.8			0.007			4.0			0.08			2.9		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/03/21**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Calm	10:47	9.0	S	0.07	305	20.4	20.4	20.4	33.7	33.7	8.2	8.2	115.1	115.1	8.5	8.5	8.5	1.0	1.1	1.1	<0.001	<0.001	<0.001	2.4	2.3	2.7	0.16	0.16	0.15	<1.0	<1.0	1.0
							0.18	176	20.4			33.7		8.2		115.0		8.5			1.1			<0.001			2.1			0.16			<1.0		
						M	0.31	16	20.4	20.4		33.8	33.8	8.2	8.2	114.0	114.3	8.4	8.5		1.0	1.0		<0.001	<0.001		2.8	2.7		0.14	0.14		1.0	1.0	
							0.31	16	20.4			33.8		8.2		114.6		8.5			1.0			<0.001			2.6			0.14			1.0		
						B	0.16	100	20.4	20.4		33.8	33.8	8.3	8.2	109.8	111.0	8.1	8.2		1.3	1.2		<0.001	<0.001		3.0	3.2		0.14	0.14		<1.0	<1.0	
							0.07	352	20.4			33.8		8.2		112.2		8.3			1.1			<0.001			3.3			0.13			<1.0		
	IM6	Fine	Calm	10:13	17.0	S	0.30	271	20.7	20.7	20.7	34.2	34.3	8.2	8.2	102.9	102.8	7.6	7.5	7.5	3.7	3.5	3.6	<0.001	<0.001	<0.001	3.6	3.4	4.0	0.08	0.08	0.08	<1.0	<1.0	<1.0
							0.13	293	20.7			34.3		8.2		102.6		7.5			3.2			<0.001			3.2			0.07			<1.0		
						M	0.21	221	20.7	20.7		34.3	34.4	8.2	8.2	102.7	102.7	7.5	7.5		3.4	3.5		<0.001	<0.001		4.2	4.0		0.08	0.08		<1.0	<1.0	
							0.05	330	20.7			34.3		8.2		102.7		7.5			3.6			<0.001			3.8			0.08			<1.0		
						B	0.08	268	20.7	20.7		34.2	34.2	8.2	8.2	103.6	103.6	7.6	7.6	7.6	4.0	3.9		<0.001	<0.001		4.7	4.6		0.09	0.09		<1.0	<1.0	
							0.16	233	20.7			34.2		8.2		103.5		7.6			3.8			<0.001			4.4			0.08			<1.0		
Mid-Flood	F3	Fine	Calm	15:19	18.2	S	0.02	254	21.0	21.0	20.9	34.4	34.4	8.2	8.2	103.0	103.1	7.5	7.5	7.5	2.1	2.3	2.4	<0.001	<0.001	<0.001	3.9	3.7	3.2	0.06	0.06	0.06	<1.0	<1.0	<1.0
							0.36	275	21.0			34.4		8.2		103.1		7.5			2.4			<0.001			3.4			0.06			<1.0		
						M	0.21	259	21.0	21.0		34.4	34.4	8.2	8.2	102.2	102.4	7.5	7.5		1.9	1.9		<0.001	<0.001		3.0	3.2		0.06	0.07		<1.0	<1.0	
							0.28	254	21.0			34.4		8.2		102.5		7.5			1.9			<0.001			3.3			0.07			<1.0		
						B	0.08	293	20.8	20.8		34.4	34.4	8.2	8.2	101.6	101.5	7.4	7.4	7.4	3.0	3.1		<0.001	<0.001		2.9	2.8		0.06	0.06		<1.0	<1.0	
							0.24	287	20.8			34.4		8.2		101.4		7.4			3.1			<0.001			2.6			0.06			<1.0		
	IM6	Fine	Calm	15:04	17.0	S	0.51	266	20.8	20.8	20.8	34.1	34.1	8.2	8.2	105.6	106.0	7.7	7.8	7.7	1.6	1.6	2.2	<0.001	0.003	0.002	2.3	2.5	2.9	0.10	0.10	0.09	<1.0	<1.0	<1.0
							0.51	266	20.8			34.1		8.2		106.4		7.8			1.6			0.005			2.6			0.10			<1.0		
						M	0.34	240	20.8	20.8		34.2	34.2	8.2	8.2	102.9	103.2	7.5	7.6		2.2	2.3		<0.001	0.001		3.0	2.9		0.09	0.09		<1.0	<1.0	
							0.27	288	20.8			34.2		8.2		103.4		7.6			2.3			0.001			2.8			0.09			<1.0		
						B	0.29	29	20.7	20.7		34.3	34,3	8.2	8.2	103.6	103.4	7.6	7.6	7.6	2.6	2.7		<0.001	<0.001		3.2	3.4		0.08	0.08		<1.0	<1.0	
							0.29	29	20.7			34.3		8.2		103.1		7.6			2.7			<0.001			3.6			0.08			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/03/28**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Calm	13:37	9.1	S	0.16	136	23.1	23.1	22.8	33.2	33.2	8.4	8.4	135.8	135.5	9.6	9.6	9.6	0.1	0.1	0.6	<0.001	<0.001	<0.001	1.6	1.7	2.2	0.12	0.12	0.12	1.0	1.1	1.0
							0.24	129	23.1			33.2		8.4		135.2		9.6			0.1			<0.001			1.8			0.12			1.2		
						M	0.49	52	22.8	22.8		33.3	33.3	8.4	9.4	135.0	135.2	9.6	9.6		0.3	0.3		<0.001	<0.001		2.2	2.3		0.11	0.10		<1.0	<1.0	
							0.25	32	22.8			33.3		8.4		135.3		9.6			0.3			<0.001			2.4			0.12			<1.0		
						B	0.11	130	22.5	22.5		33.3	33.3	8.4	8.4	120.7	124.8	8.6	89.0	8.9	1.4	1.3		<0.001	<0.001		2.6	2.7		0.11	0.10		<1.0	<1.0	
							0.22	86	22.4			33.4		8.4		128.9		9.2			1.2			<0.001			2.7			0.12			<1.0		
	IM6	Cloudy	Calm	13:04	17.0	S	0.13	153	22.3	22.4	22.1	33.7	33.5	8.3	8.3	110.7	114.3	7.9	8.2	7.9	0.2	0.2	0.6	<0.001	<0.001	0.002	2.9	2.8	2.5	0.09	0.10	0.08	1.4	1.4	1.1
							0.13	153	22.5			33.3		8.3		117.9		8.4			0.2			<0.001			2.6			0.11			1.4		
						M	0.30	63	21.9	21.9		34.3	34.3	8.2	8.2	105.7	105.8	7.6	7.6		0.7	0.8		<0.001	<0.001		2.5	2.5		0.07	0.10		<1.0	<1.0	
							0.10	130	21.9			34.3		8.2		105.8		7.6			0.8			<0.001			2.5			0.08			<1.0		
						B	0.77	2	21.9	21.9		34.3	34.3	8.2	8.2	105.5	105.6	7.6	7.6	7.6	1.0	1.0		<0.001	0.005		2.2	2.2		0.07	0.10		<1.0	<1.0	
							0.78	85	21.9			34.3		8.2		105.6		7.6			0.9			0.009			2.2			0.08			<1.0		
Mid-Flood	F3	Cloudy	Calm	7:05	18.0	S	0.42	274	22.0	22.0	21.9	33.7	33.6	8.4	8.4	112.0	114.7	8.1	8.3	7.9	0.2	0.2	0.6	<0.001	0.027	0.012	1.8	1.7	2.3	0.09	0.10	0.09	<1.0	<1.0	<1.0
							0.47	292	22.0			33.6		8.4		117.4		8.5			0.2			0.052			1.6			0.11			<1.0		
						M	0.17	321	21.9	21.9		34.4	34.4	8.3	8.3	106.0	106.1	7.6	7.6		0.5	0.6		<0.001	0.008		2.5	2.4		0.08	0.08		<1.0	<1.0	
							0.17	321	21.9			34.4		8.3		106.1		7.6			0.6			0.014			2.2			0.08			<1.0		
						B	0.47	296	21.9	21.9		34.4	34.4	8.3	8.3	106.4	106.2	7.6	7.6	7.6	1.0	1.1		<0.001	<0.001		2.8	3.0		0.08	0.08		<1.0	<1.0	
							0.2	319	21.9			34.4		8.3		106.0		7.6			1.1			<0.001			3.1			0.08			<1.0		
	IM6	Cloudy	Calm	6:52	16.0	S	0.32	278	22.0	22.0	22.0	33.4	33.4	8.4	8.4	122.7	123.7	8.8	8.9	8.7	0.2	0.2	0.3	<0.001	<0.001	0.015	1.5	1.4	1.8	0.13	0.13	0.12	<1.0	<1.0	1.1
							0.32	278	22.0			33.4		8.4		124.6		9.0			0.2			<0.001			1.3			0.13			<1.0		
						M	0.15	325	22.0	22.0		33.8	33.8	8.4	8.4	117.4	118.5	8.4	8.5		0.3	0.3		<0.001	<0.001		1.8	1.7		0.13	0.13		<1.0	<1.0	
							0.15	325	22.0			33.8		8.4		119.6		8.6			0.3			<0.001			1.6			0.13			<1.0		
						B	0.19	313	22.0	22.0		34.0	34.1	8.3	8.3	115.7	115.1	8.3	8.3	8.3	0.4	0.5		<0.001	0.044		2.0	2.2		0.09	0.10		1.3	1.3	
							0.23	335	22.0			34.1		8.3		114.4		8.2			0.5			0.087			2.3			0.10			1.3		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/04/05**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Moderate	10:05	9.2	S	0.32	41	25.0	25.0	24.7	29.6	29.6	8.5	8.5	111.8	112.0	7.8	7.8	7.8	0.6	0.6	0.8	<0.001	<0.001	<0.001	1.2	1.3	1.8	0.25	0.26	0.23	1.1	1.1	1.1
							0.37	13	25.0			29.6		8.5		112.1		7.8			0.6			<0.001			1.4			0.26			<1.0		
						M	0.27	49	24.8	24.8		30.0	30.1	8.4	8.4	109.3	110.0	7.6	7.7		0.6	0.6		<0.001	<0.001		1.8	1.8		0.24	0.24		1.0	1.0	
							0.23	49	24.7			30.2		8.4		110.7		7.8			0.6			<0.001			1.7			0.24			<1.0		
						B	0.11	253	24.3	24.3		31.0	30.9	8.4	8.4	104.6	104.6	7.3	7.3	7.3	1.3	1.3		<0.001	<0.001		2.4	2.3		0.20	0.20		1.3	1.3	
							0.28	112	24.3			30.9		8.4		104.5		7.3			1.3			<0.001			2.1			0.19			1.3		
	IM6	Cloudy	Moderate	9:29	17.0	S	0.24	343	24.8	24.8	23.4	30.0	30.0	8.4	8.4	106.7	107.9	7.5	7.5	7.2	0.4	0.4	1.6	<0.001	<0.001	0.001	<1.0	<1.0	1.5	0.24	0.24	0.10	<1.0	<1.0	<1.0
							0.19	41	24.8			30.0		8.4		109.1		7.6			0.4			<0.001			<1.0			0.23			<1.0		
						M	0.08	247	23.0	22.9		33.6	33.6	8.3	8.3	96.9	97.3	6.9	6.9		1.2	1.2		<0.001	0.002		<1.0	<1.0		0.04	0.04		<1.0	<1.0	
							0.26	157	22.9			33.7		8.3		97.7		6.9			1.2			0.003			<1.0			0.04			<1.0		
						B	0.28	18	22.6	22.6		34.1	34.1	8.3	8.3	96.5	96.1	6.8	6.8	6.8	3.2	3.1		<0.001	<0.001		2.3	2.4		<0.02	<0.02		<1.0	<1.0	
							0.25	143	22.6			34.1		8.3		95.6		6.8			3.0			<0.001			2.5			<0.02			<1.0		
Mid-Flood	F3	Cloudy	Rough	14:31	8.3	S	0.28	13	25.4	25.4	24.0	28.9	28.9	8.4	8.4	112.4	111.8	7.8	7.8	7.7	0.1	0.1	1.0	<0.001	0.004	0.002	1.1	1.2	2.0	0.28	0.28	0.15	<1.0	<1.0	1.0
							0.06	9	25.4			28.9		8.4		111.2		7.8			0.1			0.006			1.3			0.28			<1.0		
						M	0.35	340	24.0	24.0		31.7	31.6	8.3	8.3	104.3	107.2	7.3	7.5		0.3	0.3		<0.001	<0.001		1.8	1.7		0.14	0.14		1.0	1.0	
							0.17	275	24.0			31.6		8.3		110.1		7.7			0.3			<0.001			1.6			0.14			1.0		
						B	0.13	241	22.6	22.6		34.1	34.2	8.2	8.2	97.3	96.7	6.9	6.9	6.9	2.6	2.6		<0.001	<0.001		3.1	3.0		<0.02	<0.02		<1.0	1.1	
							0.1	249	22.6			34.1		8.2		96.1		6.8			2.6			<0.001			2.8			<0.02			1.1		
	IM6	Cloudy	Rough	14:14	17.0	S	0.27	348	25.4	25.4	24.1	28.9	28.9	8.4	8.4	111.6	111.3	7.8	7.8	7.7	0.1	0.1	1.2	<0.001	0.003	0.002	1.6	1.5	2.3	0.29	0.29	0.16	<1.0	<1.0	1.0
							0.16	309	25.4			28.9		8.4		111.0		7.7			0.1			0.005			1.4			0.28			<1.0		
						M	0.24	261	24.2	24.0		31.3	31.6	8.3	8.3	108.2	109.4	7.6	7.7		0.4	0.4		<0.001	<0.001		2.2	2.4		0.18	0.18		1.1	1.1	
							0.29	195	23.9			31.9		8.3		110.5		7.8			0.4			<0.001			2.5			0.17			1.1		
						B	0.01	21	22.8	22.8		33.9	33.9	8.2	8.2	98.4	97.6	7.0	6.9	6.9	3.1	3.1		<0.001	<0.001		2.7	2.9		<0.02	<0.02		<1.0	<1.0	
							0.01	21	22.8			33.9		8.2		96.7		6.9			3.0			<0.001			3.1			<0.02			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/04/12**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Calm	14:23	9.0	S	0.31	115	25.4	25.4	24.6	30.9	30.9	8.3	8.3	107.0	106.2	7.4	7.3	7.4	1.4	1.4	1.1	<0.001	<0.001	0.001	1.8	1.9	2.2	0.30	0.30	0.27	<1.0	<1.0	1.3
							0.50	113	25.4			30.9		8.3		105.3		7.3			1.4			<0.001			1.9			0.30			<1.0		
						M	0.32	105	24.5	24.5		31.0	30.9	8.3	8.3	105.9	106.5	7.4	7.4		1.1	1.0		<0.001	<0.001		2.3	2.2		0.27	0.28		1.7	1.8	
							0.30	108	24.5			30.9		8.3		107.0		7.5			0.9			<0.001			2.0			0.29			1.9		
						B	0.28	96	24.1	24.1		32.0	32.2	8.3	8.3	103.2	103.5	7.2	7.2	7.2	0.9	0.9		<0.001	0.002		2.6	2.6		0.20	0.22		<1.0	<1.0	
							0.12	58	24.0			32.3		8.3		103.8		7.3			0.9			0.003			2.5			0.23			<1.0		
	IM6	Fine	Calm	13:51	17.0	S	0.29	154	24.9	24.9	24.1	29.1	29.1	8.3	8.3	107.5	107.6	7.6	7.6	7.4	0.5	0.5	0.7	<0.001	<0.001	<0.001	1.2	1.2	1.8	0.44	0.44	0.21	<1.0	<1.0	<1.0
							0.29	154	25.0			29.0		8.3		107.6		7.6			0.5			<0.001			1.1			0.44			<1.0		
						M	0.13	298	23.8	23.8		33.3	33.2	8.3	8.3	103.6	104.2	7.2	7.2		0.2	0.2		<0.001	<0.001		1.5	1.6		0.13	0.13		<1.0	<1.0	
							0.09	14	23.9			33.2		8.3		104.7		7.3			0.2			<0.001			1.7			0.12			<1.0		
						B	0.20	97	23.6	23.6		33.8	33.8	8.2	8.2	102.6	102.2	7.2	7.1	7.1	1.3	1.3		<0.001	<0.001		2.4	2.5		0.06	0.07		<1.0	<1.0	
							0.35	123	23.6			33.8		8.3		101.7		7.1			1.3			<0.001			2.6			0.08			<1.0		
Mid-Flood	F3	Cloudy	Calm	7:32	18.0	S	0.41	268	24.0	24.0	23.7	30.3	30.2	8.3	8.3	101.0	100.1	7.2	7.1	7.1	0.8	0.8	1.2	<0.001	<0.001	<0.001	1.4	1.5	2.5	0.38	0.38	0.18	<1.0	<1.0	<1.0
							0.41	268	24.0			30.2		8.3		99.2		7.0			0.7			<0.001			1.6			0.38			<1.0		
						M	0.42	286	23.7	23.7		33.7	33.7	8.3	8.3	101.3	101.8	7.1	7.1		0.3	0.3		<0.001	<0.001		2.6	2.5		0.09	0.09		<1.0	<1.0	
							0.48	340	23.7			33.7		8.3		102.2		7.1			0.3			<0.001			2.3			0.09			<1.0		
						B	0.28	304	23.5	23.5		33.7	33.7	8.3	8.3	100.1	100.0	7.0	7.0	7.0	2.5	2.5		<0.001	<0.001		3.3	3.4		0.06	0.07		<1.0	<1.0	
							0.11	321	23.5			33.7		8.3		99.9		7.0			2.5			<0.001			3.5			0.08			<1.0		
	IM6	Cloudy	Calm	7:18	17.0	S	0.09	253	24.1	24.1	23.8	28.8	28.6	8.3	8.3	99.8	99.2	7.1	7.1	7.0	0.9	1.0	1.6	<0.001	<0.001	<0.001	1.3	1.2	1.8	0.49	0.52	0.24	<1.0	<1.0	<1.0
							0.09	232	24.1			28.5		8.3		98.6		7.0			1.0			<0.001			1.1			0.54			<1.0		
						M	0.12	26	23.7	23.7		33.2	33.2	8.3	8.3	100.0	100.3	7.0	7.0		1.0	1.0		<0.001	<0.001		1.6	1.7		0.11	0.12		<1.0	<1.0	
							0.2	247	23.7			33.2		8.3		100.6		7.0			1.1			<0.001			1.8			0.12			<1.0		
						B	0.2	286	23.6	23.6		33.6	33.6	8.3	8.3	99.5	99.5	7.0	7.0	7.0	2.7	2.8		<0.001	<0.001		2.2	2.4		0.09	0.09		<1.0	<1.0	
							0.2	286	23.6			33.6		8.3		99.4		7.0			2.8			<0.001			2.5			0.09			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/04/16**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Calm	18:43	9.0	S	0.05	229	26.1	26.1	25.0	27.7	27.7	8.7	8.7	152.0	157.8	10.5	10.9	9.1	1.1	1.1	1.2	<0.001	<0.001	<0.001	3.2	3.5	3.0	0.38	0.37	0.26	2.4	2.5	1.7
							0.09	209	26.1			27.7		8.7		163.5		11.3			1.1			<0.001			3.7			0.35			2.6		
						M	0.23	87	24.8	24.8		30.6	30.5	8.4	8.5	97.5	103.6	6.8	7.2		0.8	0.9		<0.001	<0.001		2.8	2.9		0.26	0.26		1.3	1.2	
							0.17	97	24.9			30.5		8.5		109.6		7.6			0.9			<0.001			3.0			0.26			1.1		
						B	0.27	64	24.1	24.1		32.7	32.9	8.3	8.3	104.6	99.5	7.3	6.9	6.9	1.5	1.7		<0.001	<0.001		2.4	2.6		0.16	0.15		1.3	1.4	
							0.20	43	24.1			33.1		8.3		94.4		6.6			1.8			<0.001			2.7			0.14			1.4		
	IM6	Fine	Calm	18:10	17.0	S	0.38	149	26.9	26.9		24.1	24.1	8.7	8.7	136.8	143.4	9.5	10.0		1.3	1.3		<0.001	<0.001		3.5	3.8		0.61	0.61		2.8	2.7	
							0.36	134	27.0			24.0		8.7		150.0		10.5		8.6	1.2			<0.001			4.0			0.61			2.6		
						M	0.03	136	24.1	24.1	25.0	32.9	32.9	8.4	8.4	102.5	104.7	7.1	7.3		0.3	0.3	0.8	<0.001	<0.001	0.001	1.5	1.4	2.7	0.09	0.09	0.25	<1.0	<1.0	1.6
							0.03	136	24.2			32.8		8.4		106.9		7.4			0.2			<0.001			1.2			0.09			<1.0		
						B	0.16	327	24.0	24.0		34.0	34.0	8.3	8.3	105.0	102.1	7.3	7.1	7.1	1.0	1.0		<0.001	0.001		3.1	2.9		0.06	0.06		<1.0	<1.0	
							0.16	166	24.0			34.0		8.3		99.2		6.9			1.0			0.001			2.7			0.05			<1.0		
Mid-Flood	F3	Cloudy	Calm	5:57	18.0	S	0.06	294	25.2	25.2	24.5	25.5	25.9	8.5	8.5	108.3	112.2	7.7	8.0	7.3	0.9	1.0	1.3	<0.001	<0.001	<0.001	2.4	2.6	2.4	0.62	0.58	0.22	<1.0	<1.0	<1.0
							0.16	75	25.2			26.3		8.5		116.1		8.2			1.1			<0.001			2.7			0.53			<1.0		
						M	0.14	342	24.1	24.1		33.9	33.9	8.3	8.3	96.1	96.4	6.7	8.7		0.5	0.5		<0.001	<0.001		1.3	1.4		0.05	0.05		<1.0	<1.0	
							0.07	246	24.1			33.9		8.3		96.7		6.7			0.5			<0.001			1.4			0.05			<1.0		
						B	0.06	216	24.1	24.1		34.1	34.1	8.3	8.3	98.5	97.5	6.8	6.7	6.7	2.3	2.5		<0.001	<0.001		3.1	3.2		0.04	0.04		<1.0	<1.0	
							0.11	345	24.1			34.1		8.3		96.4		6.7			2.6			<0.001			3.2			0.04			<1.0		
	IM6	Cloudy	Calm	5:39	16.0	S	0.25	134	25.2	25.3		28.9	28.4	8.4	8.4	112.0	117.4	7.8	8.2		0.8	0.8		<0.001	<0.001		2.7	2.7		0.34	0.32		<1.0	<1.0	
							0.25	134	25.4			28.0		8.5		122.8		8.6		7.5	0.8			<0.001			2.7			0.29			<1.0		
						M	0.11	7	24.2	24.2	24.5	33.5	33.3	8.3	8.3	96.6	97.9	6.7	6.8		0.7	0.7	1.2	<0.001	<0.001	<0.001	1.6	1.7	2.3	0.11	0.11	0.15	<1.0	<1.0	<1.0
							0.32	8	24.2			33.2		8.3		99.1		6.9			0.6			<0.001			1.8			0.10			<1.0		
						B	0.23	325	24.1	24.1		34.1	34.1	8.3	8.3	99.7	98.5	6.9	6.8	6.8	2.0	2.2		<0.001	<0.001		2.6	2.6		0.04	0.04		<1.0	<1.0	
							0.11	241	24.1			34.1		8.3		97.2		6.7			2.4			<0.001			2.4			0.04			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/04/23**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Rainy	Moderate	12:06	9.0	S	0.21	112	25.2	25.2	25.1	25.5	25.5	8.3	8.3	83.5	84.1	6.0	6.0	5.8	1.2	1.2	2.9	<0.001	<0.001	0.001	1.7	1.6	2.3	0.63	0.63	0.52	<1.0	<1.0	<1.0
							0.21	112	25.2			25.5		8.3		84.6		6.0			1.2			<0.001			1.5			0.63			<1.0		
						M	0.04	294	25.2	25.2		27.1	27.1	8.4	8.4	77.5	78.7	5.5	5.6		1.0	1.1		<0.001	0.001		1.8	1.8		0.51	0.51		<1.0	<1.0	
							0.14	142	25.3			27.1		8.4		79.9		5.6			1.1			0.001			1.8			0.51			<1.0		
						B	0.52	27	25.0	25.0		29.4	29.2	8.3	8.3	83.1	79.1	5.8	5.5	5.5	5.8	6.4		<0.001	<0.001		3.4	3.5		0.44	0.43		<1.0	<1.0	
							0.43	123	25.0			29.1		8.3		75.1		5.3			6.9			<0.001			3.6			0.42			<1.0		
	IM6	Rainy	Moderate	11:28	17.0	S	0.13	69	25.3	25.3	24.8	24.4	24.4	8.4	8.4	84.2	85.5	6.0	6.1	5.7	0.4	0.4	2.5	<0.001	<0.001	<0.001	1.6	1.6	3.2	0.66	0.66	0.43	<1.0	<1.0	<1.0
							0.28	100	25.3			24.4		8.4		86.8		6.2			0.4			<0.001			1.5			0.65			<1.0		
						M	0.36	49	24.8	24.9		28.4	27.6	8.3	8.3	74.8	75.9	5.3	5.4		1.5	1.4		<0.001	<0.001		1.9	1.9		0.52	0.54		<1.0	<1.0	
							0.36	49	24.9			26.8		8.3		76.9		5.5			1.3			<0.001			1.8			0.56			<1.0		
						B	0.22	128	24.1	24.1		33.7	33.7	8.2	8.2	78.8	76.8	5.5	5.3	5.3	5.1	5.8		<0.001	<0.001		6.0	6.1		0.10	0.10		<1.0	<1.0	
							0.39	109	24.1			33.7		8.3		74.7		5.2			6.5			<0.001			6.2			0.09			<1.0		
Mid-Flood	F3	Cloudy	Moderate	17:53	18.0	S	0.08	49	24.7	24.7	24.5	11.3	12.0	8.3	8.3	81.7	82.7	6.4	6.4	6.0	4.6	4.9	5.3	<0.001	0.001	0.002	3.9	4.1	7.0	1.40	1.50	0.76	<1.0	<1.0	<1.0
							0.25	23	24.7			12.7		8.2		83.6		6.5			5.2			0.001			4.2			1.59			<1.0		
						M	0.41	312	24.8	24.8		29.8	29.5	8.4	8.3	80.2	80.0	5.6	5.6		1.3	1.2		<0.001	0.004		2.6	2.5		0.36	0.36		<1.0	<1.0	
							0.39	293	24.8			29.2		8.3		79.7		5.6			1.1			0.006			2.3			0.35			<1.0		
						B	0.30	309	24.0	24.0		33.9	33.9	8.3	8.3	81.6	80.8	5.7	5.6	5.6	9.5	9.7		<0.001	<0.001		14.2	14.5		0.07	0.44		<1.0	<1.0	
							0.3	309	24.0			33.9		8.3		79.9		5.5			9.9			<0.001			14.8			0.80			<1.0		
	IM6	Cloudy	Moderate	17:37	16.0	S	0.09	243	24.8	24.8	24.5	24.3	24.0	8.3	8.3	79.4	80.0	5.7	5.8	5.7	1.8	2.0	4.9	<0.001	<0.001	<0.001	3.4	3.3	7.5	0.78	0.78	0.41	<1.0	<1.0	<1.0
							0.34	359	24.8			23.8		8.3		80.6		5.8			2.2			<0.001			3.1			0.78			<1.0		
						M	0.28	37	24.6	24,6		30.1	30.1	8.3	8.3	79.0	78.8	5.5	5.5		2.1	1.9		<0.001	<0.001		2.4	2.3		0.37	0.36		<1.0	<1.0	
							0.28	37	24.6			30.1		8.3		78.5		5.5			1.6			<0.001			2.2			0.35			<1.0		
						B	0.08	54	24.1	24.1		33.6	33.6	8.3	8.3	79.8	79.3	5.5	5.5	5.5	10.7	10.9		<0.001	<0.001		16.6	17.1		0.07	0.08		<1.0	<1.0	
							0.13	116	24.1			33.6		8.3		78.8		5.5			11.1			<0.001			17.5			0.08			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/04/29**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Calm	15:04	9.0	S	0.28	80	25.5	25.5	25.2	24.1	24.3	8.3	8.3	93.5	93.6	6.7	6.7	6.6	2.3	2.3	2.0	<0.001	<0.001	0.001	2.7	2.6	4.3	0.84	0.84	0.66	<1.0	<1.0	<1.0
							0.43	75	25.4			24.5		8.3		93.7		6.7			2.2			<0.001			2.5			0.83			<1.0		
						M	0.41	114	25.2	25.0		26.3	26.3	8.3	8.3	91.8	91.3	6.5	6.5		1.9	1.9		<0.001	0.001		4.2	4.5		0.66	0.67		<1.0	<1.0	
							0.24	131	25.2			26.3		8.3		90.8		6.4			1.8			0.001			4.8			0.68			<1.0		
						B	0.18	71	25.0	25.2		29.2	29.0	8.4	8.4	93.6	92.9	6.6	6.5	6.5	2.0	2.0		<0.001	<0.001		5.9	5.7		0.47	0.49		<1.0	<1.0	
							0.24	92	25.0			28.8		8.4		92.1		6.5			1.9			<0.001			5.4			0.50			<1.0		
	IM6	Cloudy	Calm	14:32	17.0	S	0.51	182	26.0	26.0	25.3	24.2	24.2	8.4	8.3	100.6	100.9	7.1	7.1	7.0	0.7	0.7	2.1	<0.001	0.005	0.004	2.0	2.2	3.2	0.80	0.81	0.46	1.2	1.2	1.1
							0.51	182	26.0			24.2		8.3		101.2		7.2			0.6			0.009			2.4			0.82			1.1		
						M	0.43	97	25.4	25.3		29.7	29.6	8.4	8.4	96.4	97.3	6.7	6.8		0.2	0.2		<0.001	<0.001		2.7	2.8		0.37	0.37		1.2	1.2	
							0.12	116	25.3			29.5		8.4		98.1		6.8			0.2			<0.001			2.8			0.37			1.1		
						B	0.15	122	24.7	24.7		32.6	32.6	8.3	8.3	91.1	89.6	6.3	6.2	6.2	5.6	5.6		<0.001	0.005		4.2	4.5		0.22	0.21		<1.0	<1.0	
							0.18	94	24.7			32.6		8.3		88.0		6.1			5.5			0.008			4.8			0.20			<1.0		
Mid-Flood	F3	Cloudy	Rough	7:21	18.0	S	0.1	339	25.0	25.0	24.9	26.9	26.3	8.4	8.4	92.4	92.1	6.6	6.6	6.5	0.7	0.7	1.7	<0.001	<0.001	0.001	2.5	2.0	2.3	0.72	0.80	0.47	1.1	1.2	1.2
							0.19	237	25.0			25.7		8.3		91.7		6.6			0.6			<0.001			1.4			0.87			1.3		
						M	0.36	292	25.1	25.1		29.7	29.7	8.4	8.4	94.4	93.6	6.6	6.5		0.2	0.2		<0.001	<0.001		1.5	1.6		0.41	0.44		1.0	1.1	
							0.39	247	25.1			29.7		8.4		92.8		6.5			0.2			<0.001			1.6			0.46			1.1		
						B	0.48	221	24.6	24.6		33.0	33.0	8.4	8.4	87.4	85.6	6.0	5.9	5.9	4.2	4.2		<0.001	0.001		3.7	3.5		0.20	0.19		1.3	1.3	
							0.11	213	24.5			33.0		8.4		83.7		5.8			4.2			0.001			3.3			0.18			1.2		
	IM6	Cloudy	Rough	7:07	17.0	S	0.24	235	25.1	25.1	24.8	24.5	24.4	8.3	8.3	90.1	90.1	6.5	6.5	6.1	0.8	0.8	3.7	<0.001	<0.001	<0.001	1.6	1.7	4.9	0.82	0.83	0.55	<1.0	<1.0	<1.0
							0.24	235	25.1			24.2		8.3		90.0		6.5			0.8			<0.001			1.8			0.84			<1.0		
						M	0.18	319	25.0	25.0		28.0	28.0	8.3	8.3	82.4	82.1	5.8	5.8		1.9	1.8		<0.001	<0.001		2.6	2.9		0.56	0.57		<1.0	<1.0	
							0.14	209	25.0			28.0		8.3		81.7		5.8			1.7			<0.001			3.1			0.57			<1.0		
						B	0.17	303	24.4	24.4		32.8	32.8	8.3	8.3	81.8	79.4	5.7	5.5	5.5	8.4	8.4		<0.001	<0.001		9.6	10.1		0.24	0.25		<1.0	<1.0	
							0.16	93	24.4			32.9		8.3		76.9		5.3			8.4			<0.001			10.5			0.25			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/05/06**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Cloudy	Moderate	10:55	9.0	S	0.29	76	25.8	25.8	25.4	27.9	27.9	8.3	8.3	109.8	113.4	7.6	7.9	7.3	1.1	1.0	3.3	<0.001	<0.001	0.002	2.4	2.7	5.7	0.49	0.48	0.38	<1.0	<1.0	<1.0
							0.39	98	25.9			27.9		8.3		116.9		8.1			1.0			<0.001			3.0			0.47			<1.0		
						M	0.56	120	25.2	25.2		30.1	30.1	8.3	8.3	95.6	97.0	6.6	6.7		3.1	3.0		<0.001	0.004		4.6	4.5		0.33	0.33		<1.0	<1.0	
							0.49	104	25.2			30.0		8.3		98.3		6.8			2.8			0.007			4.4			0.33			<1.0		
						B	0.21	106	25.2	25.2		30.7	30.7	8.2	8.2	95.8	93.7	6.6	6.5	6.5	5.9	6.0		<0.001	0.002		9.4	9.9		0.31	0.32		<1.0	<1.0	
							0.39	84	25.2			30.6		8.2		91.5		6.3			6.0			0.002			10.3			0.32			<1.0		
	IM6	Cloudy	Moderate	10:23	17.0	S	0.28	108	25.5	25.5	25.3	27.9	27.8	8.3	8.3	113.4	115.5	7.9	8.1	7.6	1.0	1.0	3.0	<0.001	0.003	0.002	2.4	2.4	4.7	0.47	0.48	0.27	<1.0	<1.0	<1.0
							0.28	66	25.5			27.7		8.3		117.6		8.2			0.9			0.004			2.4			0.48			<1.0		
						M	0.24	77	25.3	25.3		32.1	32.1	8.3	8.3	104.0	104.4	7.1	7.2		1.8	1.7		<0.001	<0.001		2.4	2.6		0.17	0.17		<1.0	<1.0	
							0.43	115	25.3			32.1		8.3		104.8		7.2			1.6			<0.001			2.7			0.17			<1.0		
						B	0.29	85	25.2	25.3		32.2	32.2	8.2	8.2	102.8	102.3	7.1	7.0	7.0	5.7	6.2		<0.001	0.001		9.8	9.3		0.17	0.18		<1.0	<1.0	
							0.24	143	25.2			32.2		8.2		101.8		7.0			6.7			0.001			8.7			0.18			<1.0		
Mid-Flood	F3	Fine	Moderate	16:28	17.8	S	0.08	293	25.7	25.7	25.4	26.3	26.2	8.4	8.4	120.2	123.6	8.5	8.7	8.0	2.3	2.2	3.7	<0.001	<0.001	0.003	4.1	4.0	5.1	0.53	0.52	0.25	1.5	1.6	1.2
							0.16	308	25.7			26.2		8.4		127.0		8.9			2.0			<0.001			3.9			0.51			1.6		
						M	0.54	288	25.3	25.3		32.1	32.1	8.3	8.3	106.2	106.4	7.3	7.3		2.4	2.2		<0.001	0.002		2.6	2.9		0.14	0.13		<1.0	<1.0	
							0.34	353	25.3			32.1		8.3		106.5		7.3			1.9			0.003			3.1			0.11			<1.0		
						B	0.18	352	25.3	25.3		32.2	32.3	8.3	8.3	106.2	106.0	7.3	7.3	7.3	6.7	6.9		<0.001	0.005		8.0	8.3		0.10	0.10		<1.0	<1.0	
							0.2	276	25.3			32.2		8.3		105.8		7.2			7.0			0.008			8.6			0.10			<1.0		
	IM6	Fine	Moderate	16:14	16.0	S	0.26	307	26.0	25.9	25.5	26.7	26.7	8.3	8.3	116.0	119.3	8.1	8.3	7.8	2.1	2.1	5.7	<0.001	<0.001	0.002	4.3	4.4	9.4	0.53	0.52	0.31	1.6	1.5	1.2
							0.26	307	25.9			26.7		8.3		122.5		8.6			2.1			<0.001			4.4			0.51			1.4		
						M	0.12	31	25.3	25.3		31.2	31.1	8.2	8.2	105.2	105.8	7.3	7.3		2.3	2.4		<0.001	<0.001		3.9	3.8		0.24	0.25		<1.0	<1.0	
							0.16	49	25.3			31.0		8.2		106.4		7.3			2.5			<0.001			3.6			0.25			<1.0		
						B	0.33	289	25.3	25.3		32.0	32.0	8.2	8.2	104.5	104.4	7.2	7.2	7.2	12.6	12.6		<0.001	0.004		19.4	20.2		0.16	0.15		<1.0	<1.0	
							0.32	318	25.3			32.0		8.2		104.2		7.1			12.5			0.007			21.0			0.14			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/05/17**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Calm	8:34	9.5	S	0.23	15	26.0	26.0	25.9	29.0	29.0	8.6	8.6	123.2	126.4	8.5	8.7	8.1	1.1	1.2	3.5	<0.001	0.004	0.002	3.6	3.4	6.4	0.17	0.17	0.14	1.9	2.0	1.6
							0.13	230	26.0			29.0		8.6		129.6		8.9			1.2			0.006			3.2			0.17			2.1		
						M	0.11	193	25.9	25.9		30.5	30.6	8.5	8.5	107.4	108.9	7.4	7.4		1.6	1.6		<0.001	<0.001		4.5	4.7		0.16	0.16		1.5	1.7	
							0.37	304	25.9			30.8		8.4		110.4		7.5			1.4			<0.001			4.9			0.16			1.9		
						B	0.08	37	25.7	25.7		31.8	31.8	8.4	8.4	102.8	100.8	7.0	6.9	6.9	7.6	7.8		<0.001	0.002		11.2	11.0		0.08	0.09		<1.0	<1.0	
							0.14	108	25.7			31.8		8.4		98.8		6.7			7.9			0.002			10.8			0.09			<1.0		
	IM6	Fine	Calm	7:59	17.0	S	0.32	317	25.7	23.7	25.7	30.4	30.4	8.4	8.4	110.5	112.6	7.6	7.7	7.5	1.4	1.3	2.4	<0.001	<0.001	0.002	4.8	5.0	5.5	0.12	0.12	0.09	1.5	1.5	1.2
							0.06	286	25.7			30.4		8.4		114.7		7.9			1.2			0.004			5.1			0.12			1.5		
						M	0.20	247	25.7	25.7		31.8	31.8	8.4	8.4	105.9	105.9	7.2	7.2		2.3	2.2		<0.001	0.003		5.7	5.5		0.08	0.08		<1.0	<1.0	
							0.12	109	25.7			31.9		8.4		105.8		7.2			2.0			0.005			5.3			0.08			<1.0		
						B	0.12	194	25.7	25.7		31.9	31.9	8.4	8.3	108.6	108.0	7.4	7.4	7.4	3.5	3.7		<0.001	<0.001		6.3	6.1		0.08	0.08		<1.0	<1.0	
							0.17	113	25.7			31.9		8.3		107.4		7.3			3.8			<0.001			5.9			0.08			<1.0		
Mid-Flood	F3	Fine	Calm	13:05	18.0	S	0.45	250	26.0	26.0	25.8	31.3	31.2	8.5	8.5	120.0	120.6	8.2	8.2	7.7	1.1	1.2	2.0	<0.001	0.004	0.002	5.5	5.4	4.7	0.11	0.12	0.09	2.9	2.6	1.5
							0.32	282	26.0			31.2		8.5		121.1		8.2			1.2			0.006			5.2			0.12			2.3		
						M	0.14	51	25.7	25.7		32.0	32.0	8.4	8.4	104.3	104.4	7.1	7.1		1.6	1.5		<0.001	<0.001		4.4	4.6		0.08	0.08		<1.0	<1.0	
							0.04	147	25.7			32.0		8.4		104.4		7.1			1.4			<0.001			4.7			0.08			<1.0		
						B	0.21	323	25.7	25.7		32.0	32.0	8.4	8.4	104.8	104.5	7.1	7.1	7.1	3.3	3.3		<0.001	0.002		3.9	4.1		0.08	0.08		<1.0	<1.0	
							0.17	304	25.7			32.0		8.4		104.1		7.1			3.2			0.003			4.2			0.08			<1.0		
	IM6	Fine	Calm	12:46	17.0	S	0.18	244	25.9	25.8	25.7	31.4	31.6	8.4	8.4	107.7	108.0	7.3	7.4	7.2	1.8	1.9	2.3	<0.001	0.006	0.003	3.4	3.5	4.0	0.10	0.10	0.09	1.1	1.1	1.0
							0.05	78	25.8			31.8		8.4		108.2		7.4			1.9			0.010			3.5			0.10			1.0		
						M	0.07	268	25.7	25.7		32.0	32.0	8.4	8.4	104.0	104.2	7.1	7.1		1.7	1.6		<0.001	<0.001		3.8	3.9		0.08	0.08		<1.0	<1.0	
							0.37	359	25.7			32.0		8.4		104.3		7.1			1.5			<0.001			4.0			0.08			<1.0		
						B	0.16	284	25.7	25.7		32.0	32.0	8.4	8.4	104.0	103.8	7.1	7.1	7.1	3.8	3.6		<0.001	<0.001		4.4	4.6		0.08	0.08		<1.0	<1.0	
							0.19	74	25.7			32.0		8.4		103.5		7.1			3.3			<0.001			4.8			0.08			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/05/20**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Rainy	Calm	11:08	9.0	S	0.16	270	25.7	25.7	25.7	29.6	29.6	8.4	8.4	96.6	97.1	6.7	6.7	6.6	0.9	0.9	3.9	<0.001	<0.001	<0.001	3.1	3.1	7.2	0.17	0.17	0.15	<1.0	<1.0	<1.0
							0.26	119	25.7			29.6		8.4		97.5		6.7			0.9			<0.001			3.0			0.17			<1.0		
						M	0.21	55	25.7	25.7		30.1	30.1	8.4	8.4	95.7	95.7	6.6	6.6		1.7	1.6		<0.001	<0.001		4.7	4.6		0.16	0.16		<1.0	<1.0	
							0.03	142	25.7			30.1		8.4		95.6		6.6			1.4			<0.001			4.4			0.16			<1.0		
						B	0.22	97	25.6	25.6		31.8	31.8	8.3	8.3	97.9	97.1	6.7	6.6	6.6	9.4	9.4		<0.001	<0.001		13.8	14.1		0.10	0.11		<1.0	<1.0	
							0.36	64	25.6			31.8		8.3		96.2		6.6			9.3			<0.001			14.4			0.11			<1.0		
	IM6	Rainy	Calm	10:19	12.0	S	0.24	255	25.6	25.6	25.6	31.5	31.5	8.3	8.3	97.1	97.1	6.6	6.6	6.6	1.0	1.0	1.9	<0.001	<0.001	<0.001	2.9	2.9	3.5	0.10	0.11	0.10	<1.0	<1.0	<1.0
							0.24	255	25.6			31.5		8.3		97.0		6.6			0.9			<0.001			2.8			0.11			<1.0		
						M	0.29	277	25.6	25.6		31.6	31.6	8.3	8.3	97.0	97.0	6.6	6.6		1.5	1.5		<0.001	<0.001		3.3	3.5		0.10	0.11		<1.0	<1.0	
							0.25	228	25.6			31.6		8.3		97.0		6.6			1.4			<0.001			3.6			0.11			<1.0		
						B	0.23	118	25.6	25.6		31.8	31.8	8.3	8.3	97.8	97.4	6.7	6.6	6.7	3.1	3.2		<0.001	<0.001		4.2	4.3		0.10	0.10		<1.0	<1.0	
							0.16	144	25.6			31.8		8.3		97.0		6.6			3.2			<0.001			4.4			0.10			<1.0		
Mid-Flood	F3	Rainy	Rough	16:19	18.0	S	0.50	279	25.6	25.6	25.5	31.9	31.9	8.3	8.3	97.9	98.0	6.7	6.7	6.6	2.0	2.0	5.8	<0.001	<0.001	<0.001	4.0	3.8	12.9	0.10	0.10	0.09	<1.0	<1.0	<1.0
							0.47	280	25.6			31.9		8.3		98.1		6.7			1.9			<0.001			3.6			0.09			<1.0		
						M	0.23	282	25.5	25.5		32.1	32.1	8.3	8.3	96.6	96.7	6.6	6.6		3.2	3.0		<0.001	<0.001		6.6	6.9		0.10	0.10		<1.0	<1.0	
							0.16	303	25.5			32.0		8.3		96.7		6.6			2.7			<0.001			7.1			0.09			<1.0		
						B	0.28	244	25.5	25.5		32.1	21.1	8.3	8.3	97.0	96.8	6.6	6.6	6.6	13.3	12.7		<0.001	<0.001		26.8	28.0		0.09	0.09		<1.0	<1.0	
							0.05	279	25.5			32.1		8.3		96.6		6.6			12.0			<0.001			29.2			0.08			<1.0		
	IM6	Rainy	Rough	15:57	16.0	S	0.31	284	25.6	25.6	25.6	31.5	31.5	8.3	8.3	98.4	98.3	6.7	6.7	6.7	1.4	1.4	2.7	<0.001	0.005	0.002	6.2	6.5	5.0	0.12	0.12	0.11	<1.0	<1.0	<1.0
							0.37	284	25.6			31.5		8.3		98.2		6.7			1.4			0.008			6.8			0.11			<1.0		
						M	0.23	317	25.6	25.6		31.5	31.5	8.3	8.3	97.3	97.4	6.7	6.7		3.2	2.9		<0.001	<0.001		5.1	4.9		0.12	0.12		<1.0	<1.0	
							0.40	268	25.6			31.5		8.3		97.4		6.7			2.5			<0.001			4.7			0.11			<1.0		
						B	0.08	49	25.6	25.6		31.6	31.6	8.3	8.3	98.0	97.6	6.7	6.7	6.7	3.8	3.8		<0.001	<0.001		3.4	3.6		0.09	0.10		<1.0	<1.0	
							0.20	294	25.6			31.6		8.3		97.2		6.6			3.7			<0.001			3.8			0.11			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/06/03**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Rainy	Rough	9:33	9.0	S	0.09	356	26.8	26.8	26.6	26.6	26.6	8.3	8.3	103.1	102.9	7.1	7.1	7.0	1.3	1.3	2.0	<0.001	<0.001	<0.001	2.7	2.8	3.4	0.44	0.44	0.33	<1.0	<1.0	<1.0
							0.35	116	26.8			26.6		8.3		102.7		7.1			1.3			<0.001			2.8			0.44			<1.0		
						M	0.22	68	26.7	26.7		28.4	28.4	8.3	8.3	99.1	100.8	6.8	6.9		1.6	1.5		<0.001	<0.001		3.2	3.3		0.32	0.32		<1.0	<1.0	
							0.30	89	26.7			28.4		8.3		102.4		7.0			1.3			<0.001			3.4			0.32			<1.0		
						B	0.14	351	26.3	26.3		30.2	30.2	8.3	8.3	99.3	96.7	6.8	6.6	6.6	3.0	3.3		<0.001	<0.001		4.2	4.1		0.24	0.24		<1.0	<1.0	
							0.14	351	26.3			30.2		8.3		94.0		6.4			3.6			<0.001			3.9			0.23			<1.0		
	IM6	Rainy	Rough	8:57	17.0	S	0.26	230	26.5	26.5	26.2	28.9	28.7	8.3	8.3	101.7	101.8	7.0	7.0	6.8	1.1	1.1	2.7	<0.001	<0.001	<0.001	3.5	3.5	4.8	0.30	0.30	0.16	<1.0	<1.0	<1.0
							0.26	230	26.6			28.5		8.3		101.8		7.0			1.1			<0.001			3.4			0.29			<1.0		
						M	0.16	158	26.1	26.1		32.0	31.7	8.3	8.3	95.0	96.9	6.4	6.6		1.9	1.6		<0.001	<0.001		4.0	4.2		0.10	0.10		<1.0	<1.0	
							0.17	36	26.2			31.4		8.3		98.7		6.7			1.3			<0.001			4.4			0.10			<1.0		
						B	0.23	138	25.9	25.9		33.1	33.1	8.2	8.2	95.4	94.5	6.4	6.4	6.4	5.2	5.3		<0.001	<0.001		6.6	6.8		0.07	0.08		<1.0	<1.0	
							0.33	149	25.9			33.1		8.2		93.5		6.3			5.4			<0.001			7.0			0.08			<1.0		
Mid-Flood	F3	Rainy	Rough	15:31	18.0	S	0.88	287	26.3	26.3	26.2	28.3	28.3	8.2	8.2	97.4	97.4	6.7	6.7	6.6	1.4	1.4	4.1	<0.001	<0.001	<0.001	2.8	2.7	6.0	0.36	0.36	0.22	<1.0	<1.0	<1.0
							0.93	281	26.3			28.3		8.2		97.3		6.7			1.3			<0.001			2.6			0.35			<1.0		
						M	0.25	261	26.3	26.3		29.7	29.7	8.3	8.3	95.4	96.2	6.5	6.6		1.7	1.6		<0.001	<0.001		4.8	4.6		0.25	0.24		<1.0	<1.0	
							0.31	233	26.3			29.7		8.3		96.9		6.6			1.4			<0.001			4.3			0.23			<1.0		
						B	0.26	271	26.0	26.0		33.1	33.1	8.2	8.2	93.5	92.5	6.3	6.2	6.2	8.9	9.4		<0.001	<0.001		10.2	10.6		0.07	0.07		<1.0	<1.0	
							0.19	319	26.0			33.1		8.2		91.5		6.2			9.8			<0.001			11.0			0.07			<1.0		
	IM6	Rainy	Rough	15:12	16.0	S	0.28	9	26.3	26.3	26.2	28.7	28.7	8.2	8.2	97.2	97.2	6.7	6.7	6.6	1.8	1.8	3.5	<0.001	<0.001	<0.001	3.3	3.5	5.0	0.31	0.32	0.23	<1.0	<1.0	<1.0
							0.22	284	26.4			28.6		8.2		97.1		6.7			1.8			<0.001			3.7			0.32			<1.0		
						M	0.22	347	26.3	26.3		29.2	29.2	8.2	8.2	94.9	95.5	6.5	6.5		2.4	2.2		<0.001	<0.001		4.5	4.4		0.28	0.29		<1.0	<1.0	
							0.21	294	26.3			29.1		8.2		96.1		6.6			1.9			<0.001			4.2			0.29			<1.0		
						B	0.2	228	26.0	26.0		32.6	32.7	8.2	8.2	100.1	97.6	6.8	6.6	6.6	6.1	6.6		<0.001	<0.001		7.4	7.2		0.08	0.09		<1.0	<1.0	
							0.14	222	26.0			32.7		8.2		95.1		6.4			7.0			<0.001			7.0			0.09			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/06/14**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Rainy	Rough	17:19	9.0	S	0.08	231	28.0	28.0	27.2	19.1	18.9	8.2	8.2	106.1	108.4	7.5	7.6	7.1	1.3	1.4	3.8	<0.001	<0.001	0.001	1.4	1.5	3.5	0.88	0.88	0.52	<1.0	<1.0	<1.0
							0.15	164	28.0			18.7		8.2		110.7		7.8			1.4			<0.001			1.6			0.88			<1.0		
						M	0.20	148	27.1	27.1		27.1	27.2	8.1	8.1	94.1	94.7	6.4	6.5		0.5	0.5		<0.001	<0.001		2.3	2.5		0.45	0.45		<1.0	<1.0	
							0.20	148	27.0			27.3		8.1		95.2		6.5			0.5			<0.001			2.6			0.45			<1.0		
						B	0.45	102	26.4	26.4		31.2	31.3	8.0	8.0	79.8	76.9	5.7	5.3	5.3	9.1	9.5		<0.001	0.001		6.2	6.5		0.24	0.24		<1.0	<1.0	
							0.24	155	26.4			31.3		8.0		73.9		5.0			9.9			0.001			6.7			0.24			<1.0		
	IM6	Rainy	Rough	16:48	17.0	S	0.12	105	27.8	27.8	26.8	16.2	16.0	8.2	8.2	102.8	104.3	7.4	7.5	6.8	2.0	2.0	3.0	<0.001	<0.001	<0.001	1.6	1.7	2.5	1.18	1.11	0.44	<1.0	<1.0	<1.0
							0.12	105	27.9			15.8		8.2		105.8		7.6			2.0			<0.001			1.8			1.04			<1.0		
						M	0.14	114	26.3	26.3		32.0	32.0	8.1	8.1	90.3	90.3	6.1	6.1		1.0	1.0		<0.001	<0.001		2.3	2.2		0.12	0.13		<1.0	<1.0	
							0.18	16	26.3			32.0		8.1		90.3		6.1			1.0			<0.001			2.1			0.13			<1.0		
						B	0.45	57	26.2	26.2		32.9	32.9	8.0	8.0	95.9	93.6	6.4	6.3	6.3	5.8	5.9		<0.001	<0.001		3.8	3.6		0.06	0.07		<1.0	<1.0	
							0.33	114	26.2			33.0		8.1		91.3		6.1			6.0			<0.001			3.4			0.08			<1.0		
Mid-Flood	F3	Rainy	Rough	10:21	18.0	S	0.33	54	28.0	28.0	26.8	12.3	12.3	8.2	8.1	99.5	100.3	7.3	7.3	6.7	3.3	3.3	2.6	<0.001	0.002	0.001	2.2	2.2	2.2	1.39	1.40	0.51	<1.0	<1.0	<1.0
							0.19	19	28.0			12.3		8.1		101.1		7.4			3.2			0.002			2.2			1.40			<1.0		
						M	0.09	129	26.3	26.3		33.0	33.0	8.1	8.1	89.9	90.2	6.0	6.1		1.2	1.2		<0.001	<0.001		<1.0	1.3		0.06	0.06		<1.0	<1.0	
							0.10	46	26.3			33.0		8.1		90.5		6.1			1.1			<0.001			1.6			0.06			<1.0		
						B	0.11	187	26.2	26.2		33.2	33.2	8.1	8.1	90.3	89.6	6.1	6.1	6.0	3.2	3.3		<0.001	<0.001		5.1	3.1		0.06	0.06		<1.0	<1.0	
							0.08	227	26.2			33.2		8.1		88.9		6.0			3.3			<0.001			1.1			0.06			<1.0		
	IM6	Rainy	Rough	10:06	16.0	S	0.24	86	27.9	27.9	26.8	13.4	13.4	8.1	8.1	101.0	101.6	7.4	7.4	6.8	2.9	3.0	2.6	<0.001	<0.001	<0.001	1.4	1.5	1.9	1.32	1.29	0.53	<1.0	<1.0	<1.0
							0.24	86	27.9			13.4		8.1		102.2		7.4			3.1			<0.001			1.6			1.26			<1.0		
						M	0.46	329	26.4	26.4		31.5	31.5	8.1	8.1	92.0	92.3	6.2	6.2		0.9	0.9		<0.001	<0.001		1.8	1.7		0.22	0.22		<1.0	<1.0	
							0.46	31	26.4			31.4		8.1		92.6		6.3			0.8			<0.001			1.6			0.21			<1.0		
						B	0.15	182	26.2	26.2		33.1	33.1	8.1	8.1	95.5	93.6	6.4	6.3	6.3	3.8	3.8		<0.001	<0.001		2.3	2.5		0.06	0.07		<1.0	<1.0	
							0.16	158	26.2			33.1		8.1		91.7		6.2			3.8			<0.001			2.7			0.08			<1.0		

Remark: * DA: Depth-Averaged

** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher

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

Water Quality Monitoring Data Log Sheet **Date: 2024/06/17**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Rainy	Moderate	9:13	9.0	S	0.19	71	27.8	27.8		14.9	14.9	8.1	8.1	92.7	95.7	6.7	6.9		1.6	1.8		<0.001	<0.001		1.6	1.6		1.27	1.24		2.0	2.0	
							0.07	34	27.8			14.8		8.1		98.7		7.1			1.9			<0.001			1.6			1.21			1.9		
						M	0.15	77	26.9	26.9	27.2	28.1	28.1	8.0	8.0	78.7	80.2	5.4	5.5	6.2	0.4	0.4	1.1	<0.001	0.001	0.001	<1.0	<1.0	1.9	0.40	0.43	0.68	<1.0	<1.0	1.3
							0.15	77	27.0			28.1		8.0		81.6		5.6			0.3			0.001			<1.0			0.45			<1.0		
						B	0.07	56	26.8	26.8		28.8	28.9	8.0	8.0	87.5	82.9	6.0	5.6	5.6	1.0	1.3		<0.001	<0.001		3.0	3.2		0.36	0.36		<1.0	<1.0	
							0.13	31	26.8			29.0		7.9		78.2		5.3			1.6			<0.001			3.4			0.36			<1.0		
	IM6	Rainy	Moderate	8:40	17.0	S	0.09	73	27.7	27.7		10.2	10.2	8.1	8.1	93.1	94.5	6.9	7.0		3.1	3.2		<0.001	<0.001		1.9	2.0		1.79	1.67		1.6	1.6	
							0.13	101	27.7			10.1		8.1		95.8		7.1			3.3			<0.001			2.1			1.55			1.6		
						M	0.29	30	26.3	26.3	26.8	32.6	32.6	8.0	8.0	78.4	78.2	5.3	5.3	6.1	1.7	1.7	3.7	<0.001	<0.001	<0.001	1.1	1.1	3.0	0.16	0.17	0.65	1.1	1.4	1.3
							0.29	30	26.3			32.6		8.0		77.9		5.2			1.6			<0.001			1.1			0.17			1.6		
						B	0.15	93	26.3	26.3		33.5	33.5	8.0	8.0	86.0	83.5	5.7	5.6	5.6	5.9	6.4		<0.001	<0.001		5.5	6.0		0.11	0.11		<1.0	<1.0	
							0.15	144	26.3			33.6		8.0		81.0		5.4			6.8			<0.001			6.5			0.11			<1.0		
Mid-Flood	F3	Cloudy	Moderate	15:17	18.0	S	0.11	60	28.8	28.8		14.1	14.1	8.2	8.2	104.1	106.3	7.4	7.6		2.0	2.1		<0.001	<0.001		1.9	1.9		1.29	1.26		<1.0	<1.0	
							0.11	60	28.8			14.1		8.2		108.4		7.7			2.1			<0.001			1.8			1.23			<1.0		
						M	0.25	141	26.4	26.4	27.2	31.8	31.8	8.1	8.1	78.8	79.2	5.3	5.3	6.5	1.9	1.7	4.2	<0.001	<0.001	<0.001	1.4	1.3	4.2	0.20	0.20	0.53	<1.0	<1.0	<1.0
							0.24	239	26.4			31.8		8.1		79.5		5.4			1.5			<0.001			1.2			0.20			<1.0		
						B	0.24	286	26.3	26.3		33.3	33.3	8.0	8.0	80.9	79.6	5.4	5.3	5.3	9.0	8.8		<0.001	<0.001		9.2	9.6		0.12	0.12		<1.0	<1.0	
							0.06	339	26.3			33.3		8.0		78.3		5.2			8.5			<0.001			9.9			0.12			<1.0		
	IM6	Cloudy	Moderate	15:00	16.0	S	0.53	45	28.8	28.8		12.7	12.7	8.2	8.2	100.8	104.9	7.3	7.5		2.5	2.7		<0.001	0.004		2.1	1.9		1.32	1.32		1.9	2.0	
							0.13	44	28.8			12.7		8.2		108.9		7.8			2.8			0.006			1.6			1.32			2.0		
						M	0.16	232	26.4	26.4	27.2	31.5	31.5	8.0	8.1	80.2	80.6	5.4	5.4	6.5	1.3	1.2	3.2	<0.001	<0.001	0.002	1.6	1.6	2.8	0.20	0.21	0.55	1.3	1.2	1.4
							0.19	147	26.4			31.4		8.1		80.9		5.5			1.1			<0.001			1.6			0.21			1.0		
						B	0.24	4	26.3	26.3		33.1	33.1	8.0	8.0	88.5	85.5	5.9	5.7	5.7	5.4	5.6		<0.001	<0.001		4.6	5.0		0.14	0.14		<1.0	<1.0	
							0.32	271	26.3			33.1		8.0		82.5		5.5			5.8			<0.001			5.3			0.13			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2024/06/27**

Tide	Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C)			Salinity (ppt)		pH		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Total Residual Chlorine (mg/L)			Suspended Solids (mg/L)			Total Inorganic Nitrogen (mg/L)			5-day Biochemical Oxygen Demand (mg/L)		
									Value	Average	DA	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
Mid-Ebb	E2	Fine	Moderate	15:56	9.0	S	0.34	92	30.2	30.3	28.7	15.2	15.1	8.6	8.6	169.3	170.3	11.7	11.8	10.9	1.2	1.2	2.0	<0.001	<0.001	0.002	3.3	3.1	3.7	0.78	0.78	0.64	2.1	2.1	1.8
							0.18	147	30.4			15.0		8.7		171.2		11.8			1.2			<0.001			2.9			0.77			2.0		
						M	0.18	146	28.9	28.8		19.0	19.2	8.5	8.5	138.3	144.2	9.6	10.0		1.3	1.4		<0.001	<0.001		3.8	3.6		0.63	0.64		1.9	1.9	
							0.18	142	28.8			19.4		8.5		150.1		10.4			1.4			<0.001			3.4			0.64			1.9		
						B	0.47	21	27.1	26.8		27.0	28.3	8.0	7.9	80.2	71.9	5.3	4.8	4.8	3.3	3.4		<0.001	0.004		4.2	4.5		0.55	0.52		1.5	1.5	
							0.33	68	26.6			29.7		7.9		63.5		4.3			3.5			0.007			4.8			0.49			1.5		
	IM6	Fine	Moderate	15:22	17.0	S	0.07	110	30.1	30.0	27.4	14.1	14.2	8.7	8.7	149.4	155.5	10.4	10.9	7.1	1.0	1.0	3.5	<0.001	<0.001	<0.001	3.8	3.7	4.9	0.83	0.83	0.49	2.8	2.8	1.6
							0.41	92	30.0			14.3		8.7		161.5		11.3			1.0			<0.001			3.5			0.83			2.7		
						M	0.42	105	26.6	26.6		28.6	28.6	8.0	8.0	47.2	48.5	3.2	3.3		2.1	2.0		<0.001	<0.001		4.6	4.4		0.44	0.44		<1.0	<1.0	
							0.51	78	26.6			28.6		8.0		49.8		3.4			1.9			<0.001			4.1			0.44			<1.0		
						B	0.30	141	25.6	25.6		33.7	33.7	7.9	7.9	44.9	43.0	3.0	2.9	2.9	7.5	7.5		<0.001	<0.001		6.9	6.6		0.21	0.20		<1.0	<1.0	
							0.14	216	25.6			33.7		7.9		41.0		2.8			7.4			<0.001			6.2			0.19			<1.0		
Mid-Flood	F3	Fine	Moderate	8:49	18.0	S	0.21	19	28.7	28.7	26.7	13.2	13.1	8.5	8.5	109.7	117.5	7.9	8.5	5.6	3.1	3.1	3.6	<0.001	0.004	0.003	4.9	5.2	5.6	1.01	1.02	0.48	1.1	1.1	1.1
							0.21	19	28.7			13.1		8.5		125.2		9.0			3.0			0.007			5.4			1.03			1.0		
						M	0.26	302	25.7	25.7		32.9	32.9	8.0	8.0	40.8	40.8	2.8	2.8		2.6	2.6		<0.001	0.003		4.4	4.2		0.24	0.24		<1.0	<1.0	
							0.04	236	25.7			33.0		8.0		40.8		2.8			2.6			0.004			3.9			0.23			<1.0		
						B	0.43	282	25.6	25.6		33.8	33.8	7.9	7.9	48.6	45.4	3.3	3.1	3.1	5.0	5.1		<0.001	<0.001		7.2	7.4		0.19	0.19		1.2	1.3	
							0.29	300	25.6			33.8		7.9		42.2		2.9			5.1			<0.001			7.6			0.19			1.3		
	IM6	Fine	Moderate	8:31	17.0	S	0.13	47	28.2	28.3	26.7	14.1	14.0	8.2	8.2	83.5	89.2	6.0	6.4	4.6	1.9	1.9	3.4	<0.001	0.001	0.001	2.7	2.6	4.7	1.06	1.06	0.51	<1.0	<1.0	<1.0
							0.22	336	28.3			13.9		8.3		94.9		6.8			1.9			0.001			2.5			1.05			<1.0		
						M	0.20	245	26.1	26.1		31.2	31.2	7.9	7.9	40.6	41.0	2.8	2.8		2.9	2.9		<0.001	<0.001		4.1	4.4		0.29	0.29		<1.0	<1.0	
							0.14	324	26.1			31.2		8.0		41.3		2.8			2.9			<0.001			4.6			0.29			<1.0		
						B	0.25	233	25.7	25.7		33.3	33.3	7.9	7.9	52.3	47.7	3.5	3.2	3.2	5.3	5.5		<0.001	<0.001		7.1	7.3		0.18	0.19		<1.0	<1.0	
							0.38	342	25.7			33.3		7.9		43.0		2.9			5.6			<0.001			7.4			0.19			<1.0		

Remark: * DA: Depth-Averaged
** Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
*** S: 1 m below the sea surface; M: mid-depth; B: 1 m above the seabed

ANNEX D GRAPHICAL PRESENTATION OF OPERATION PHASE WATER QUALITY MONITORING RESULTS

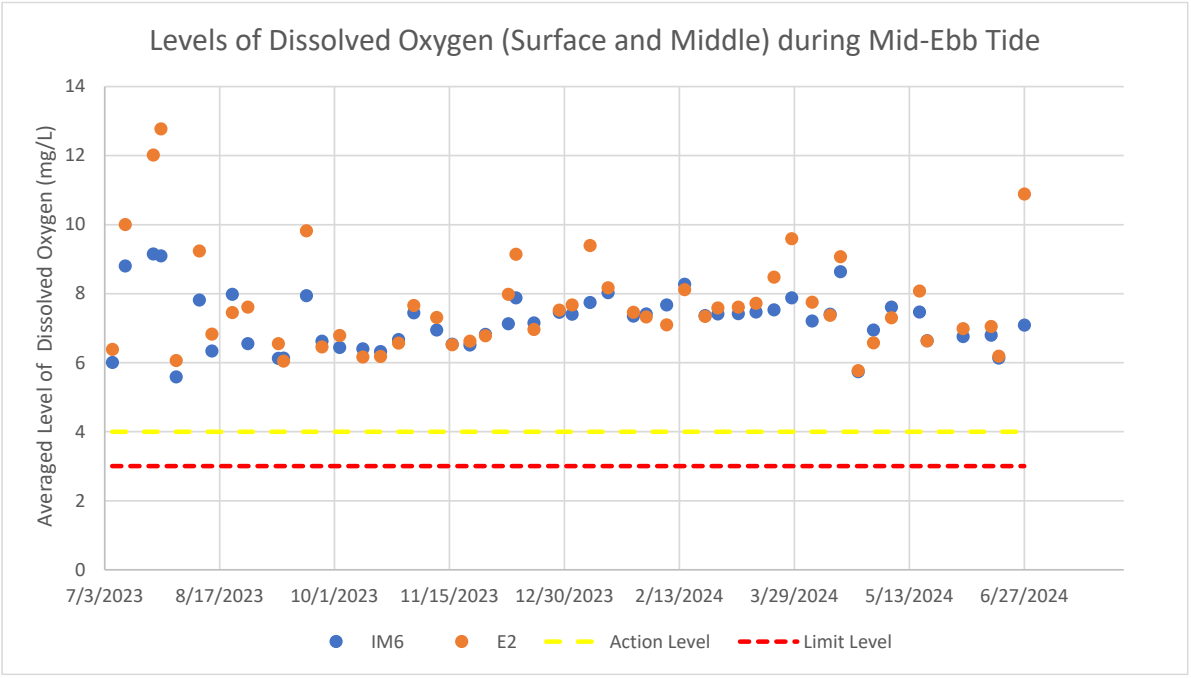

Figure 1: Levels of Dissolved Oxygen (Surface and Middle) during mid-ebb tide between July 2023 and June 2024

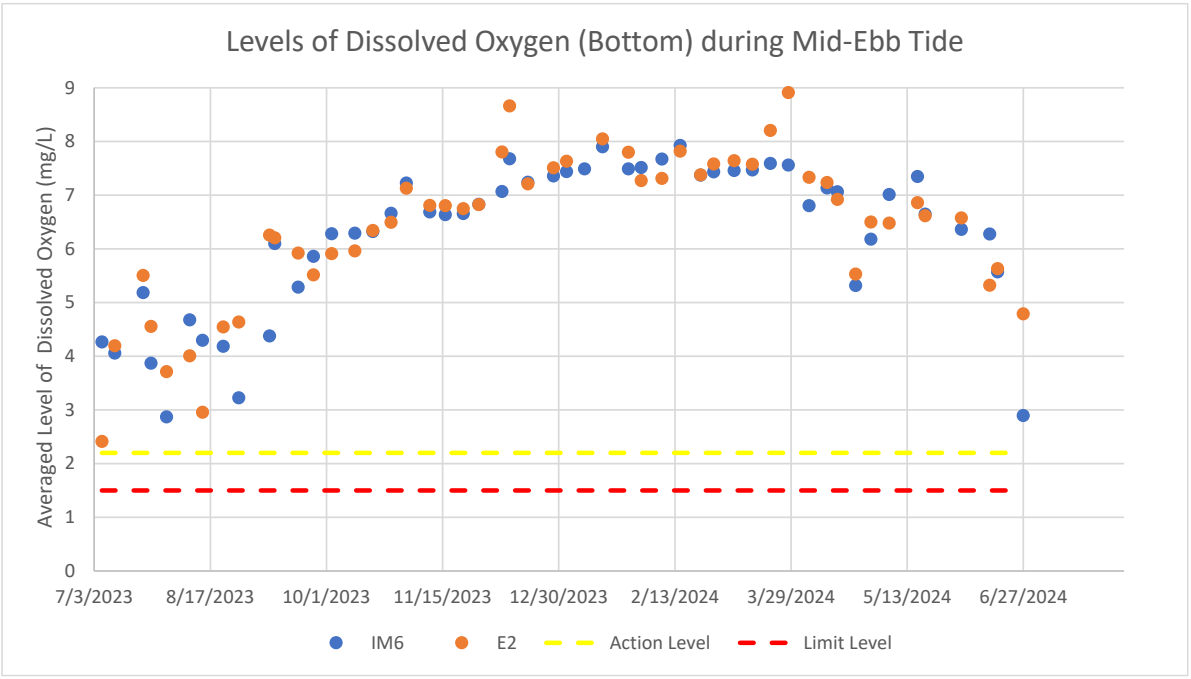

Figure 2: Levels of Dissolved Oxygen (Bottom) during mid-ebb tide between July 2023 and June 2024

Source: \\HKHKGDC02\Data\Hong Kong\Projects\0505354 CLP Power Hong Kong Limited FSRU Pre-con EM&A.RC\07 Data\15 Operation WQ

Date: July 2024

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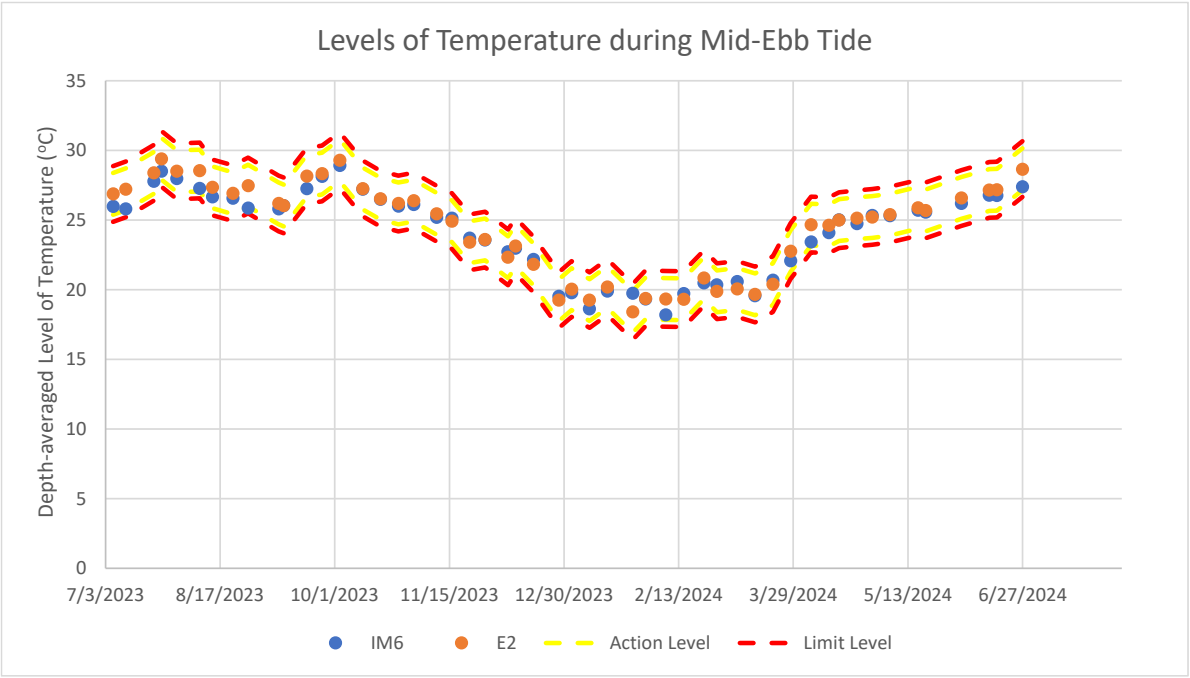

Figure 3: Levels of Temperature during mid-ebb tide between July 2023 and June 2024

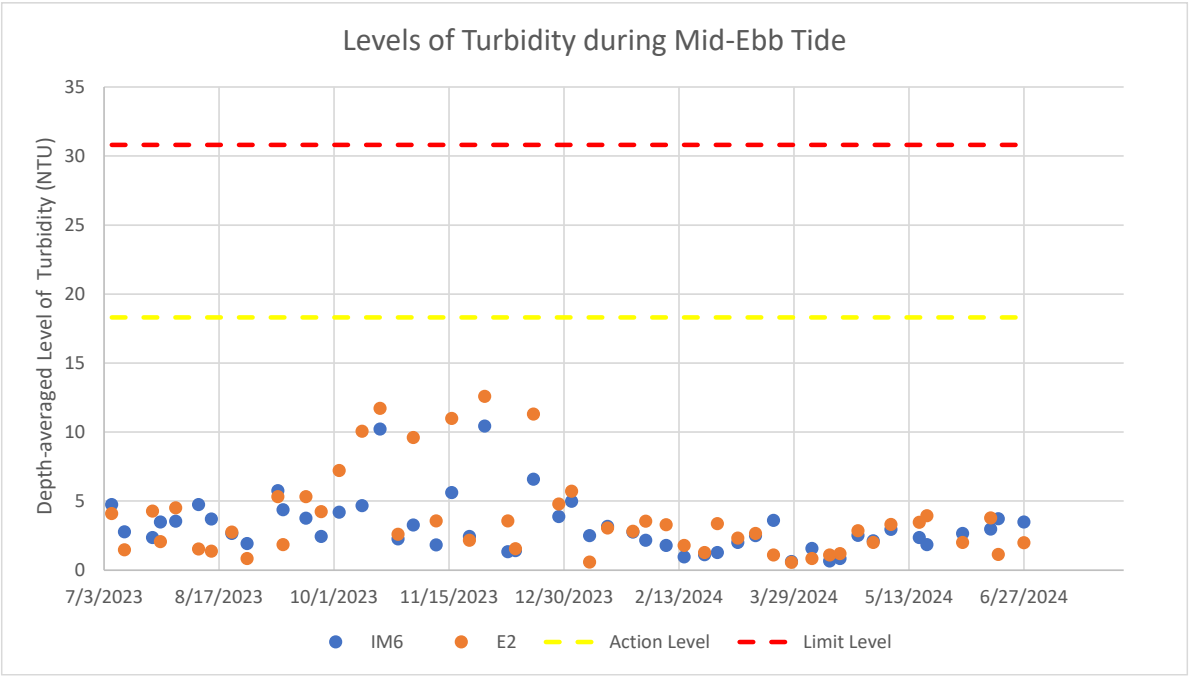

Figure 4: Levels of Turbidity during mid-ebb tide between July 2023 and June 2024

Source: \\HKHKGDC02\Data\Hong Kong\Projects\0505354 CLP Power Hong Kong Limited FSRU Pre-con EM&A.RC\07 Data\15 Operation WQ

Date: July 2024

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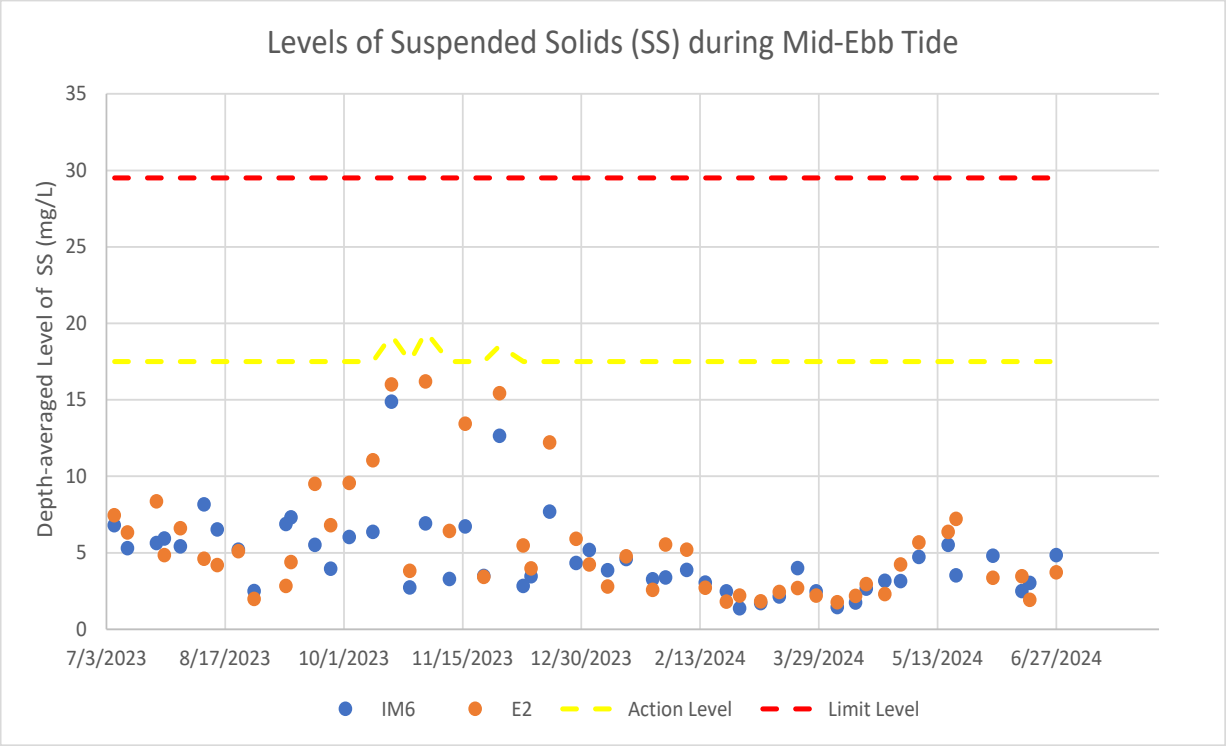

Figure 5: Levels of Suspended Solids during mid-ebb tide between July 2023 and June 2024

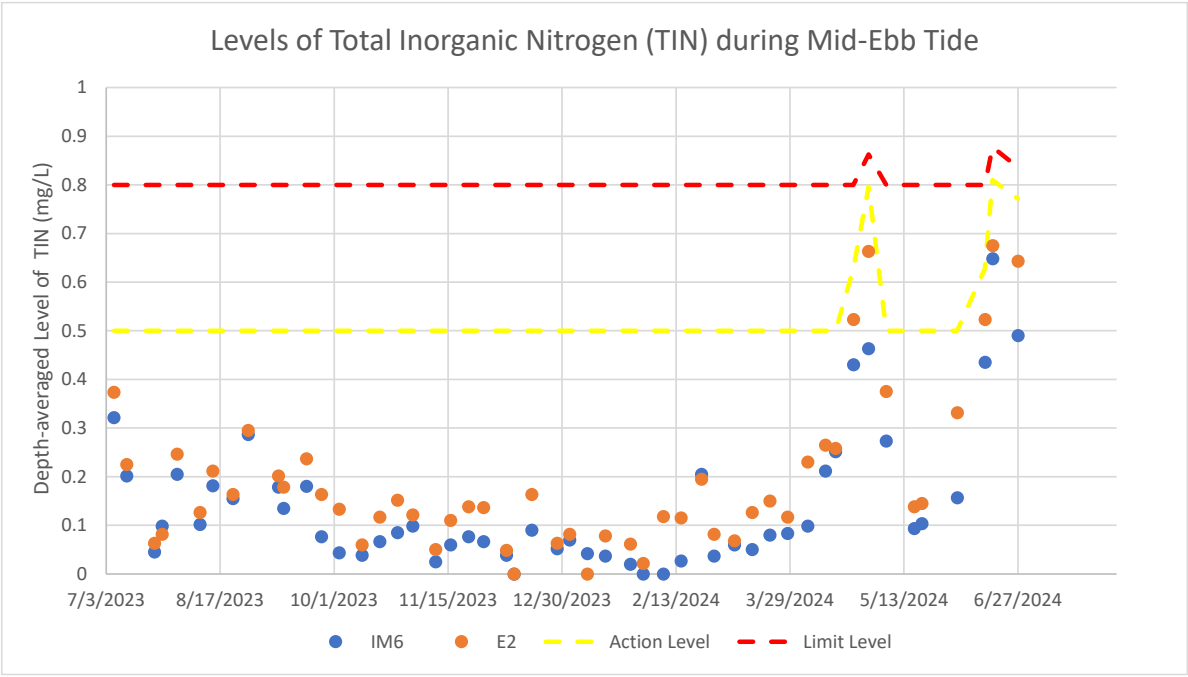

Figure 6: Levels of Total Inorganic Nitrogen during mid-ebb tide between July 2023 and June 2024

Source: \\HKHKGDC02\Data\Hong Kong\Projects\0505354 CLP Power Hong Kong Limited FSRU Pre-con EM&A.RC\07 Data\15 Operation WQ

Date: July 2024

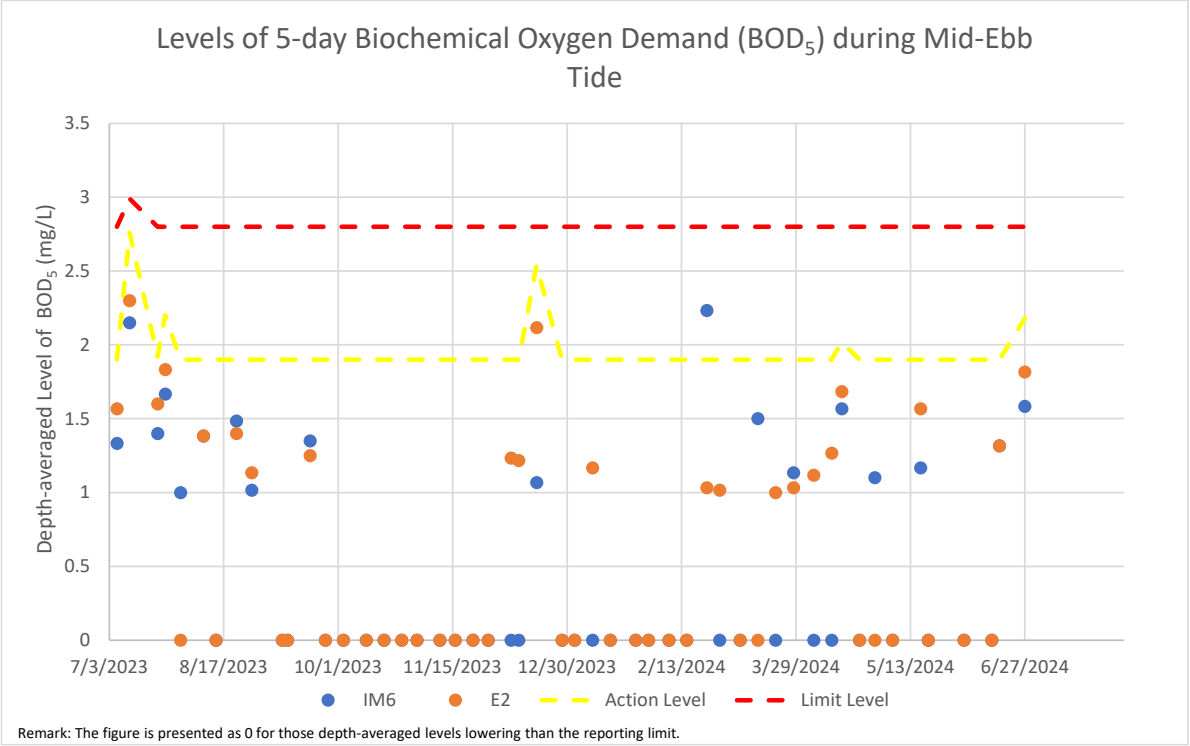

Figure 7: Levels of 5-day Biochemical Oxygen Demand during mid-ebb tide between July 2023 and June 2024

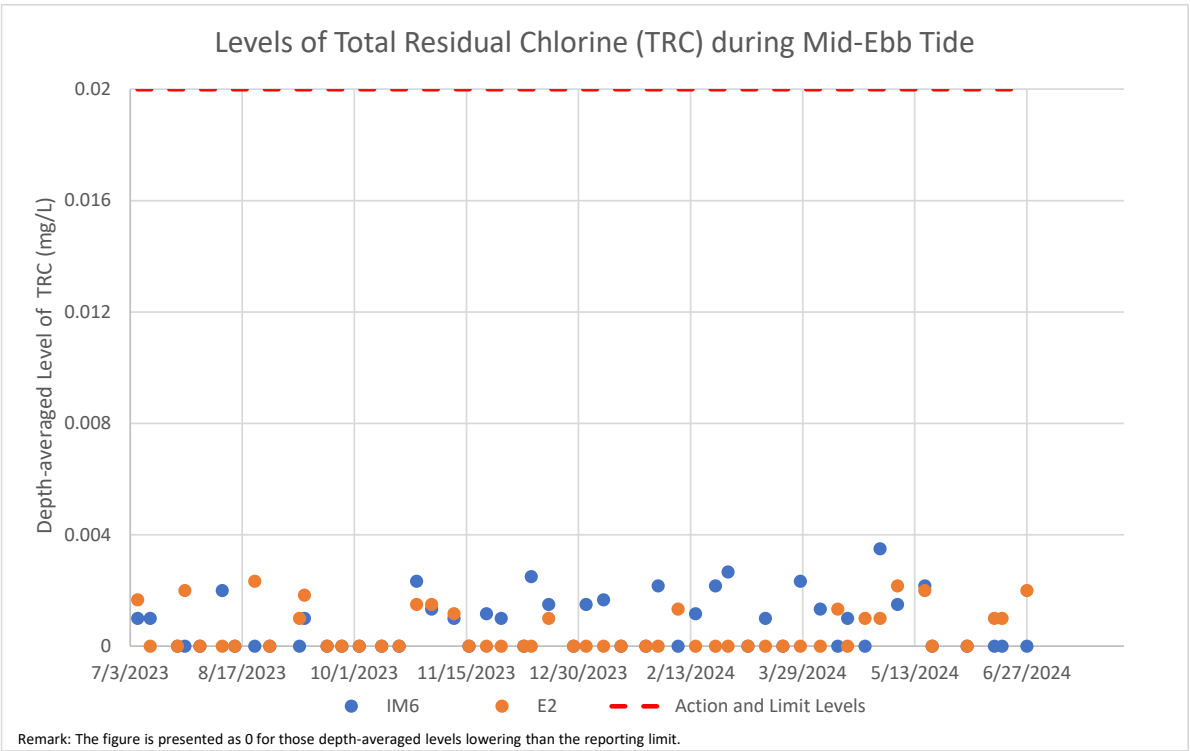

Figure 8: Levels of Total Residual Chlorine during mid-ebb tide between July 2023 and June 2024

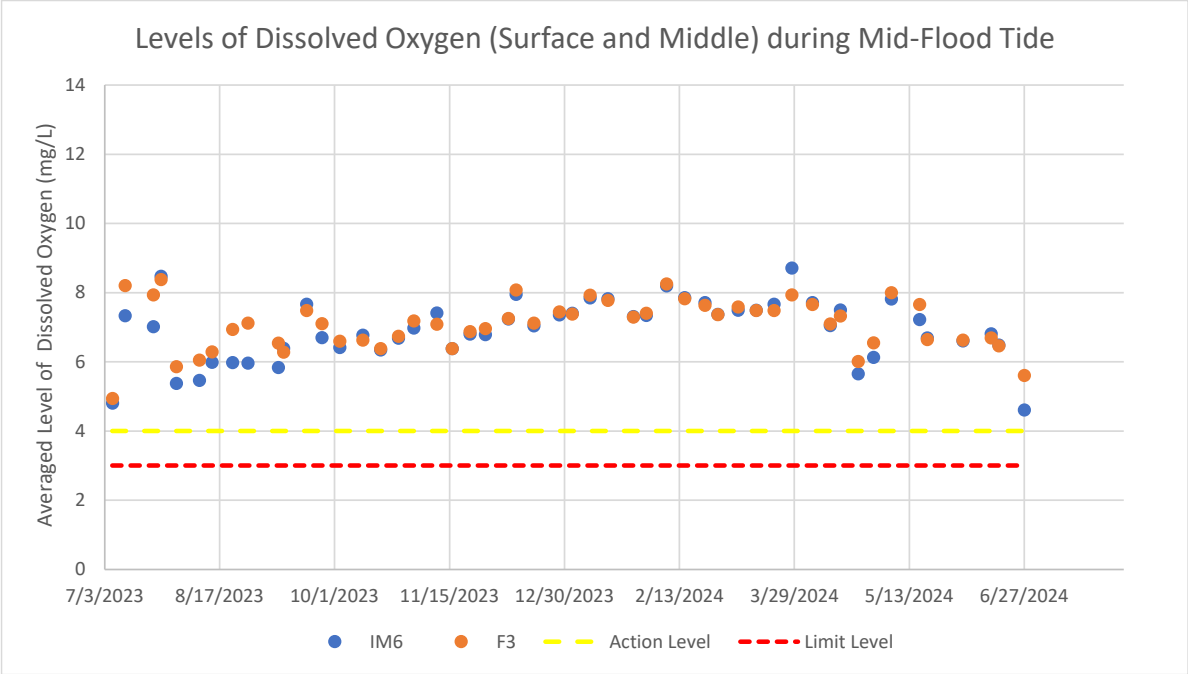

Figure 9: Levels of Dissolved Oxygen (Surface and Middle) during mid-flood tide between July 2023 and June 2024

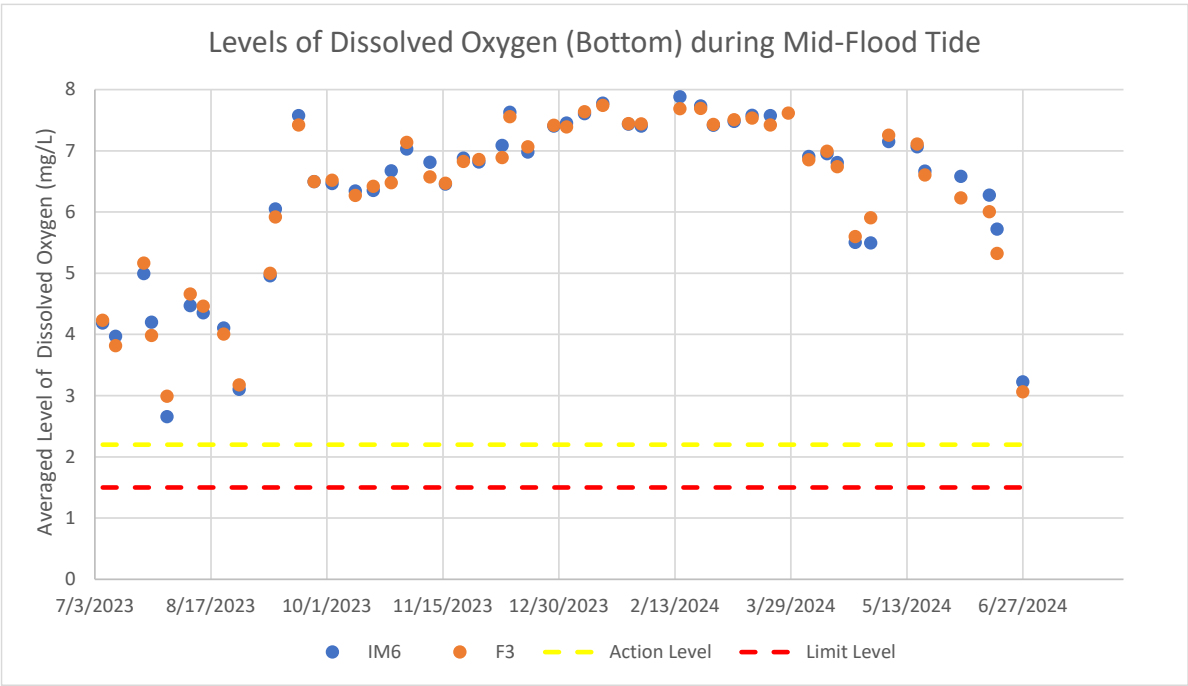

Figure 10: Levels of Dissolved Oxygen (Bottom) during mid-flood tide between July 2023 and June 2024

Source: \\HKHKGDC02\Data\Hong Kong\Projects\0505354 CLP Power Hong Kong Limited FSRU Pre-con EM&A.RC\07 Data\15 Operation WQ

Date: July 2024

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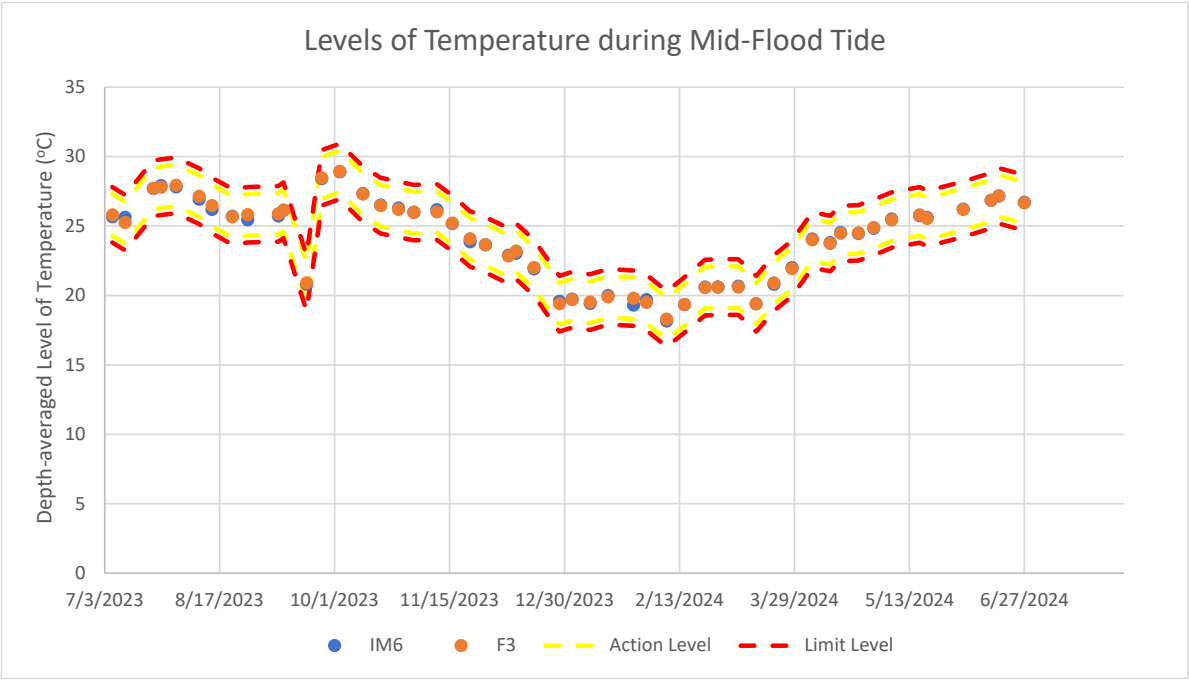

Figure 11: Levels of Temperature during mid-flood tide between July 2023 and June 2024

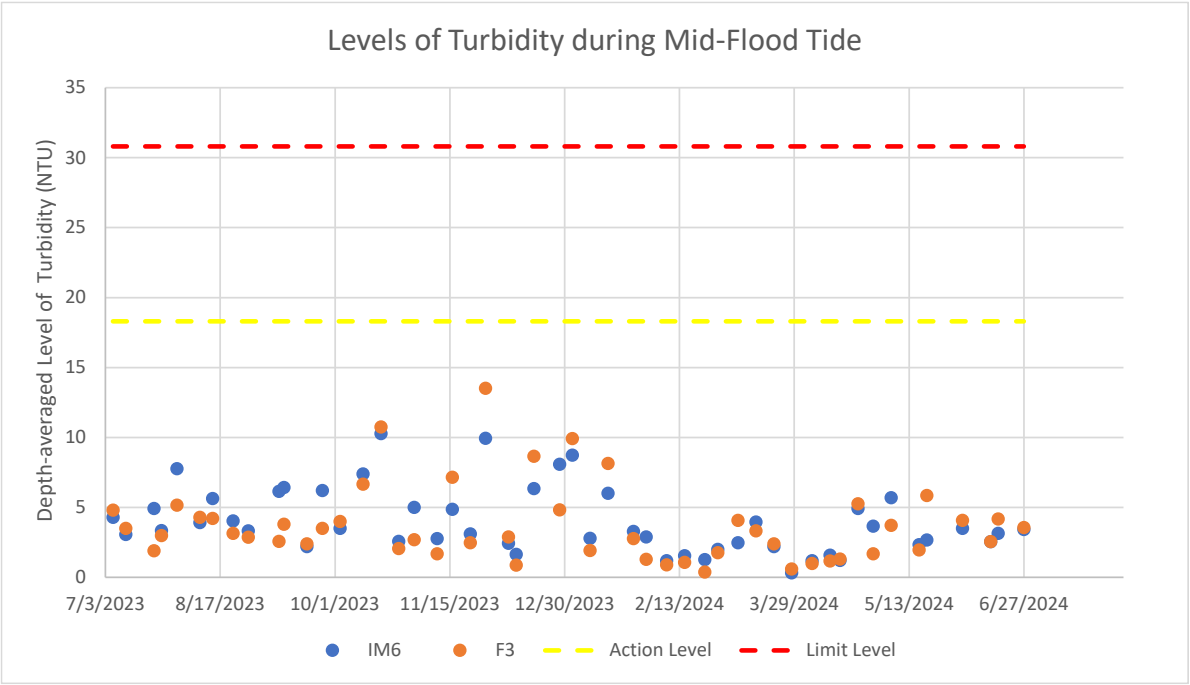

Figure 12: Levels of Turbidity during mid-flood tide between July 2023 and June 2024

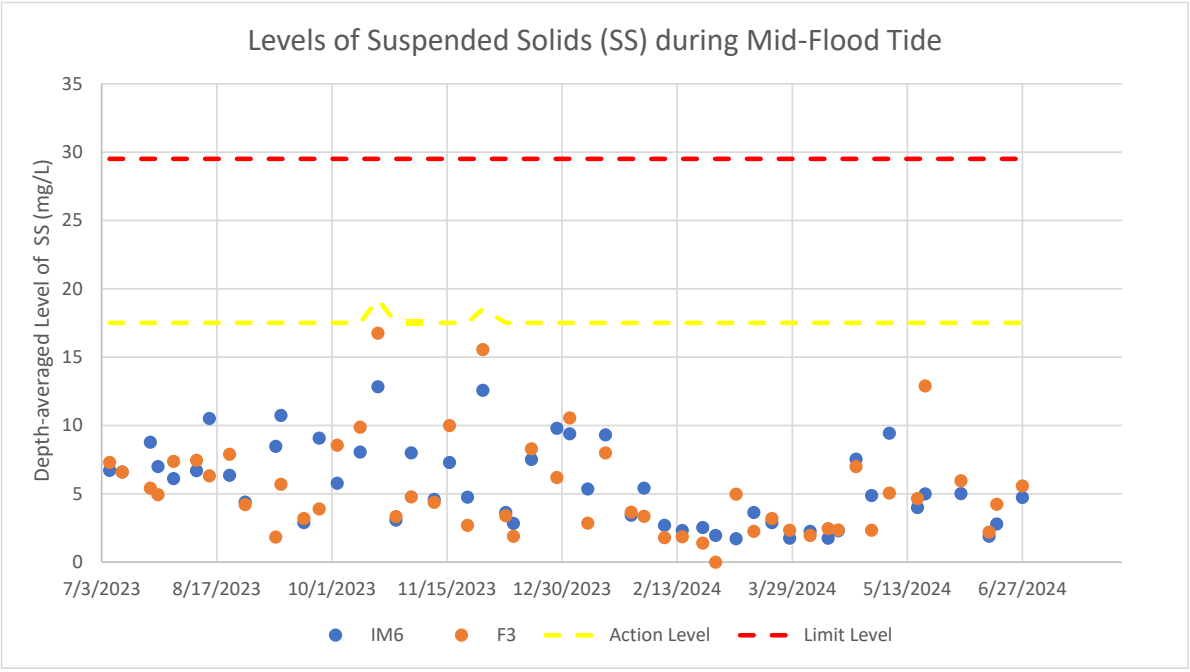

Figure 13: Levels of Suspended Solids during mid-flood tide between July 2023 and June 2024

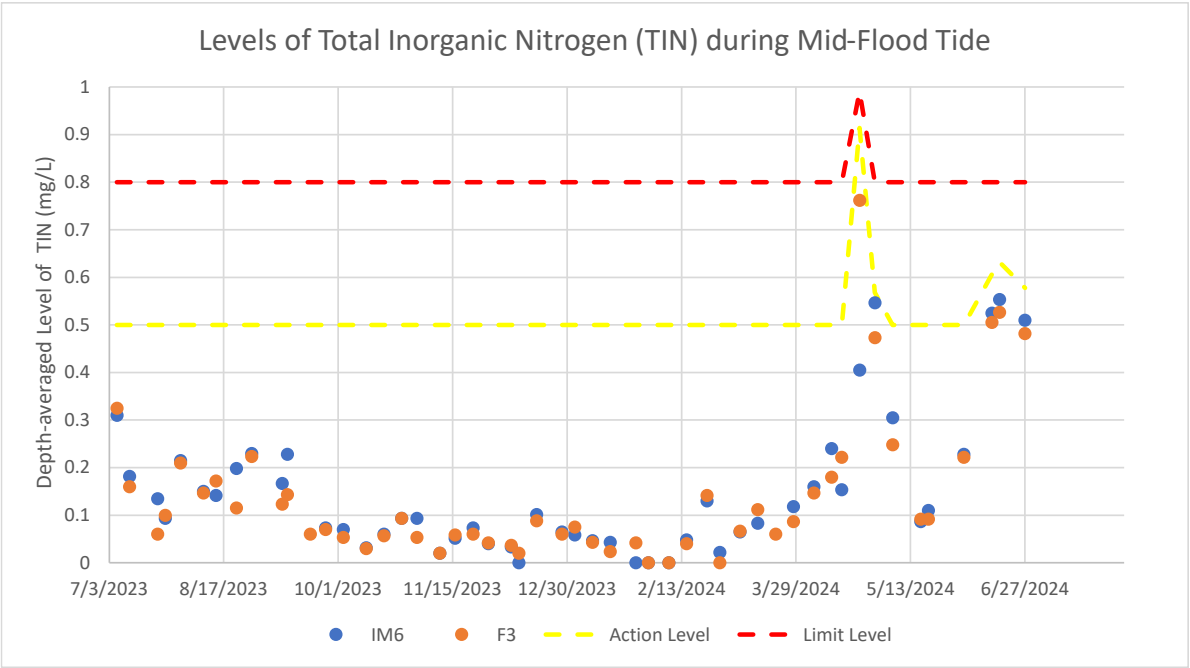

Figure 14: Levels of Total Inorganic Nitrogen during mid-flood tide between July 2023 and June 2024

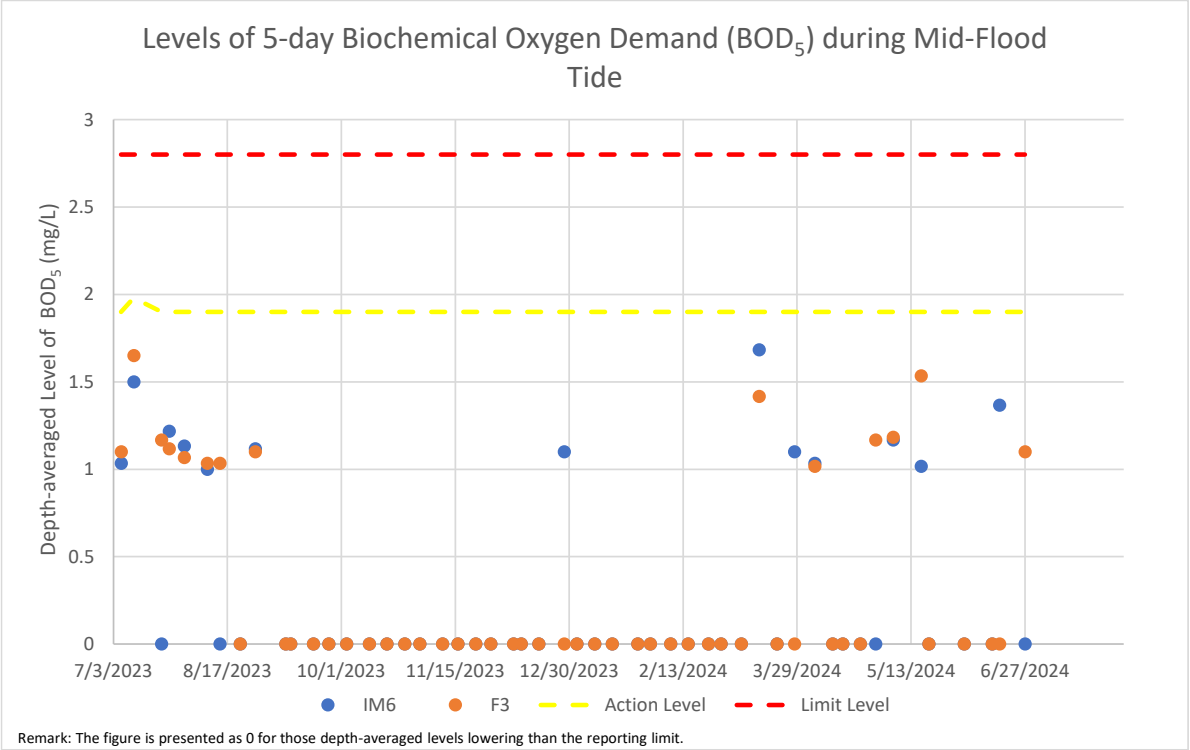

Figure 15: Levels of 5-day Biochemical Oxygen Demand during mid-flood tide between July 2023 and June 2024

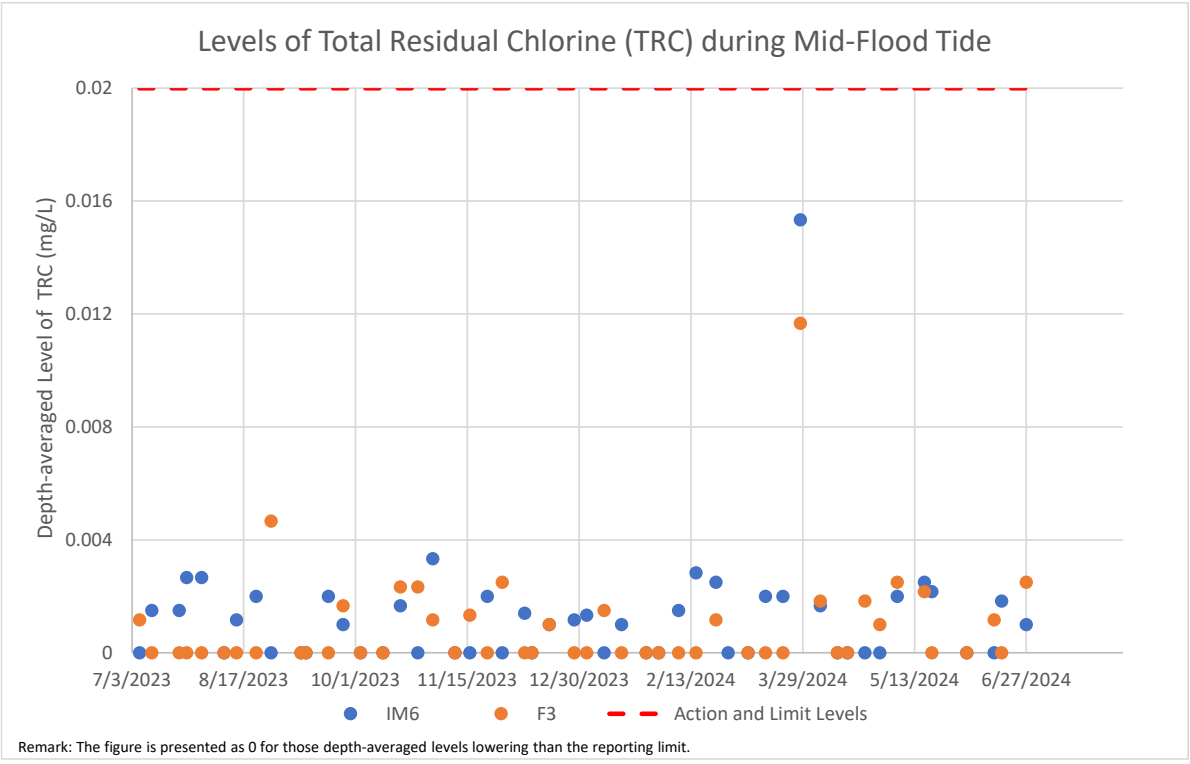

Figure 16: Levels of Total Residual Chlorine during mid-flood tide between July 2023 and June 2024

Source: \\HKHKGDC02\Data\Hong Kong\Projects\0505354 CLP Power Hong Kong Limited FSRU Pre-con EM&A.RC\07 Data\15 Operation WQ

Date: July 2024

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