



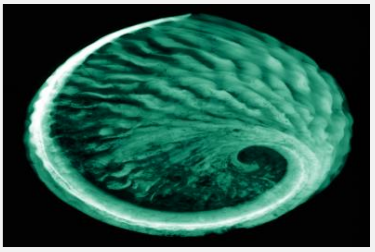

Capco 青山發電有限公司 Castle Peak Power Company Limited

港燈 HK Electric

推動永續未來 Powering for Sustainability

HKLTL

Hong Kong Offshore LNG Terminal Project

Post-Construction Water Quality Monitoring Report

12 January 2023

Project No.: 0505354

The business of sustainability

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Hong Kong Offshore LNG Terminal Project

Post-Construction Water Quality Monitoring Report

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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~~:	Post-Construction Water Quality Monitoring Report
Date of Report:	12 Jan 2023
Date prepared by ET:	12 Jan 2023
Date received by IEC:	12 Jan 2023

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: 12 Jan 2023

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: 13 Jan 2023

CONTENTS

Annexes

List of Tables

List of Figures

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 will involve 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). In accordance with the Updated EM&A Manual of the Project, a post-construction water quality monitoring was undertaken for the Project upon completion of marine construction activities.

Post-construction water quality monitoring was conducted three times a week for four weeks between 7 November and 2 December 2022 at 35 monitoring stations specified in the Updated EM&A Manual. Overall, no observable pollution source was recorded at the monitoring stations and no marine construction works were observed in the vicinity of all monitoring stations during the post-construction monitoring period. The monitoring results are thus considered representative. The water quality monitoring results showed that the levels of Dissolved Oxygen (DO), Turbidity and Suspended Solids (SS) varied across monitoring stations (both control and impact stations) and over time. The levels of DO, Turbidity and SS were within the respective ranges obtained in the baseline water quality monitoring conducted in 2019-2020.

Overall, deterioration of water quality and indirect impacts at water and ecological sensitive receivers were not detected. The construction 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.

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 will involve 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***.

This Post-Construction Water Quality Monitoring Report is prepared in accordance with the requirements as set out in the Updated EM&A Manual of the Project.

1.2 Structure of the Report

The remainder of the Post-Construction Water Quality Monitoring Report is structured as follows:

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

(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.

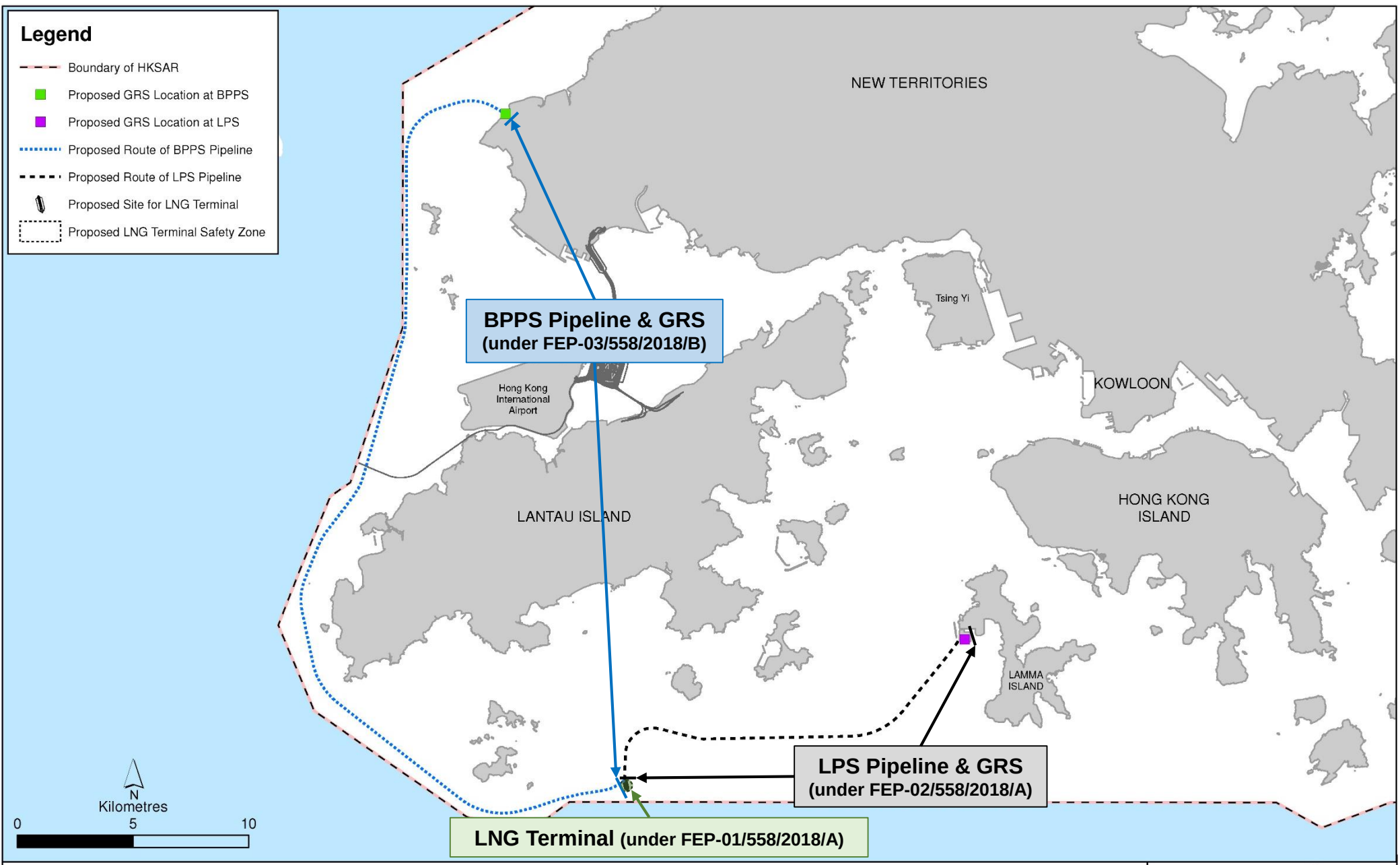

Figure 1.1

Indicative Location of Key Project Components

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Date: August 2021

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2. WATER QUALITY MONITORING

In accordance with the Updated EM&A Manual of the Project, post-construction water quality monitoring was conducted three times per week for four weeks upon completion of marine construction activities for the Project, in the same manner as the baseline monitoring, except total residual chlorine (TRC) would not be measured during post-construction monitoring. Details of the post-construction water quality monitoring under this Project are presented in the following sections.

2.1 Monitoring Locations

Post-construction water quality monitoring was conducted at 35 monitoring stations within five Water Control Zones (WCZs), namely Deep Bay WCZ, North Western WCZ, North Western Supplementary WCZ, Southern WCZ and Second Southern Supplementary WCZ, comprising 22 impact stations, seven ebb-tide control stations and six flood-tide control stations. 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
Monitoring stations within Southern WCZ and Second Southern Supplementary WCZ			
IM1	829453	806896	Impact Station for Coastline of South Lamma
IM2	828235	810347	Impact Station for Coastline of North Lamma
IM3	820683	805931	Impact Station for Coastline of South Cheung Chau
IM4	816997	805153	Impact Station for Coastline of South Shek Kwu Chau
IM5	814068	804100	Boundary of South Lantau Marine Park (MP)
IM6	814073	802029	Boundary of South Lantau MP
IM7	811652	802029	Boundary of South Lantau MP
IM8	810833	801430	Boundary of South Lantau MP
IM9	807101	801595	Boundary of South Lantau MP
IM10	803145	806407	Boundary of Southwest Lantau MP
E1	827317	811510	Control Station for Ebb Tide
E2	813367	808213	Control Station for Ebb Tide
E3	802686	804123	Control Station for Ebb Tide
F1	827892	804243	Control Station for Flood Tide
F2	822532	802161	Control Station for Flood Tide
F3	815032	801161	Control Station for Flood Tide
F4	809058	806567	Control Station for Flood Tide
Monitoring stations within Deep Bay WCZ, North Western WCZ, North Western Supplementary WCZ			
IM11A	801914	806510	Boundary of Southwest Lantau MP
IM12	801041	807024	Boundary of Southwest Lantau MP
IM13	800386	810750	Boundary of Southwest Lantau MP
IM14	801376	810750	Boundary of Southwest Lantau MP
IM15	804820	821110	Boundary of Sha Chau and Lung Kwu Chau MP
IM16A	805039	824343	Coral Colonies at Pak Chau
IM17	804865	827855	Boundary of Sha Chau and Lung Kwu Chau MP
IM18	806220	827890	Boundary of Sha Chau and Lung Kwu Chau MP
IM19	807274	829250	Impact Station for Coastline of Lung Kwu Tan
IM20A	809445	831728	Impact Station for Coastline of Deep Bay
IM21A	808879	830900	Coral Colony at Artificial Seawall at BPPS
IM22A	808703	830717	Coral Colony at Artificial Seawall at BPPS
E4	801571	811923	Control Station for Ebb Tide
E5	804634	822606	Control Station for Ebb Tide
E6	805418	832113	Control Station for Ebb Tide
E7A	808313	833524	Control Station for Ebb Tide
F5	805185	816591	Control Station for Flood Tide

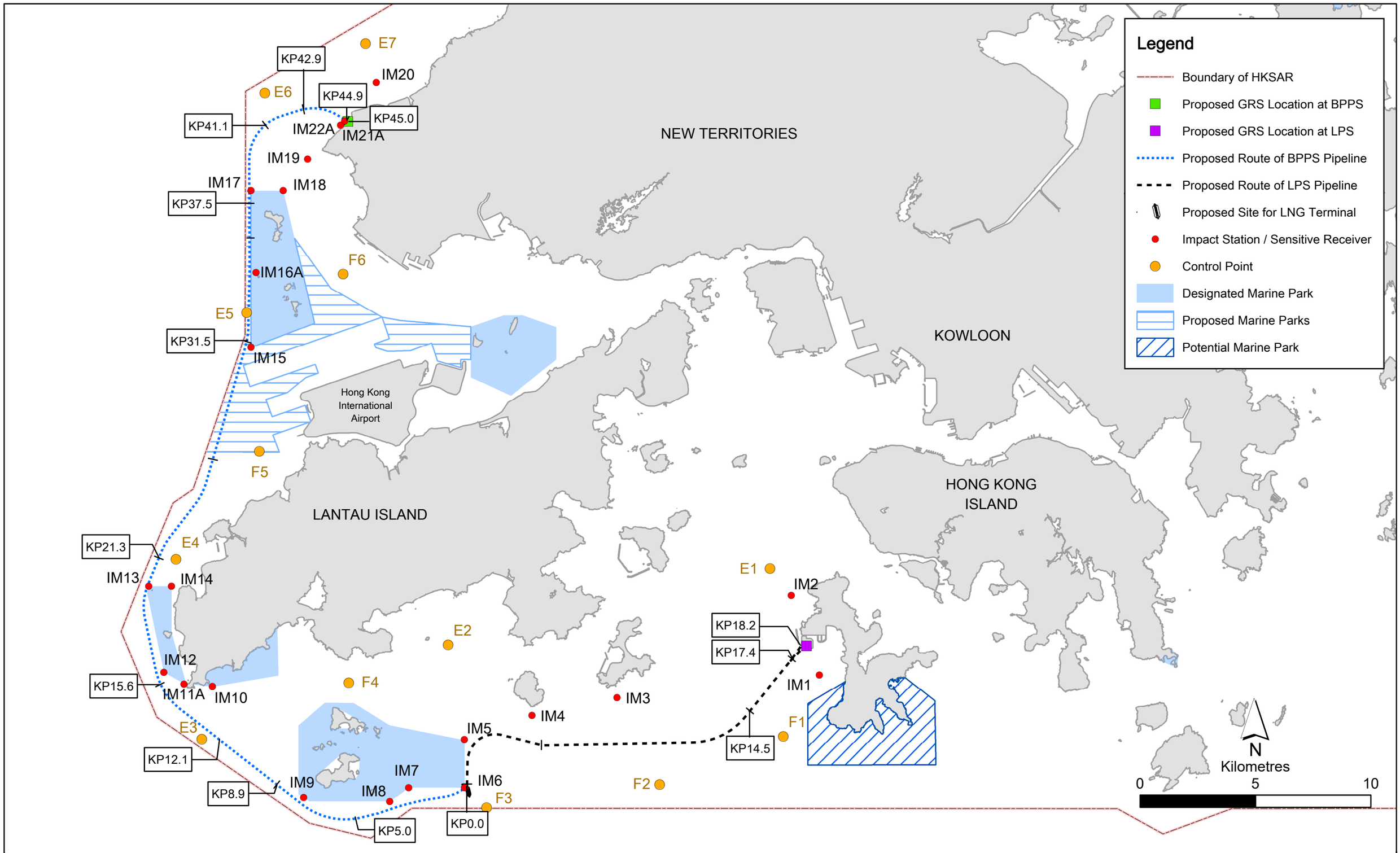

Figure 2.1

Marine Water Quality Monitoring Location

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Date: 11/8/2022

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Station	Easting	Northing	Description
F6	808812	824266	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 construction works 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
Impact Stations IM1, IM2, IM3, IM4, IM5, IM6, IM7, IM8, IM9, IM10, IM11A, IM12, IM13, IM14, IM15, IM16A, IM17, IM18, IM19, IM20A, IM21A, IM22A Control Stations Ebb tide - E1, E2, E3, E4, E5, E6, E7A Flood tide - F1, F2, F3, F4, F5, F6	• Dissolved Oxygen (DO) (mg/L) • Dissolved Oxygen Saturation (DOS) (%) • Temperature (°C) • pH • Turbidity (NTU) • Salinity (ppt) • Water depth (m) • Suspended Solid (SS) (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.	• Post-construction monitoring: three days per week, at mid-flood and mid-ebb tides, for four weeks upon completion of marine construction activities. 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 of 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	Rosette multibottle array water sampler with Niskin 2L samplers Wildlife Supply Company, 2.2L water sampler
Positioning Device	C-Nav GcGPS Positioning System Furuno, GPS Navigator GP-170 Garmin, eTrex series

Equipment	Brand and Model
Water Depth Gauge	Knudsen 320M Lowrance, Mark 5x Garmin, Striker series
Equipment for Dissolved Oxygen, Temperature, Turbidity, pH and Salinity measurements	YSI 6820, S/N: MPP 37 YSI ProDSS, S/N: 16H104233, 16H104234, 17E100747
Equipment for Current Velocity and Direction measurements	Workhorse Sentinel ADCP, Self-contained 1,200 and 600 kHz Sontek, S/N: 5649, 6738

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 content. 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 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 marine water quality monitoring have been established based on the baseline marine water quality monitoring data in accordance with the Updated EM&A Manual. Action and Limit Levels of key assessment parameters for construction phase marine water quality monitoring including DO, turbidity and SS are summarised in ***Table 2.4***.

Table 2.4 Action and Limit Levels for Marine Water Quality Monitoring

Parameter	Action Level	Limit Level
Group 1 – During construction at the pipeline shore approach at LPS (KP17.4 - 18.2), West Lamma Channel (KP14.5 - 17.4)		
DO in mg L^{-1} [a]	Surface and Middle 4.2 mg L^{-1} Bottom 2.4 mg L^{-1}	Surface and Middle 2.9 mg L^{-1} Bottom 1.6 mg L^{-1}
Turbidity in NTU (Depth-averaged [b]) [c]	14.4 NTU, and 120% of the relevant control station's turbidity at the same tide of the same day	19.9 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]	20.8 mg L^{-1}, and 120% of the relevant control station's SS at the same tide of the same day	29.6 mg L^{-1}, and 130% of the relevant control station's SS at the same tide of the same day
Group 2 – During construction at the Double Berth Jetty to West Lamma Channel (KP0.0 - 14.5)		
DO in mg L^{-1} [a]	Surface and Middle 3.4 mg L^{-1} Bottom 1.8 mg L^{-1}	Surface and Middle 2.4 mg L^{-1} Bottom 1.4 mg L^{-1}

Parameter	Action Level	Limit Level
Turbidity in NTU (Depth-averaged [b]) [c]	17.1 NTU, and 120% of the relevant control station's turbidity at the same tide of the same day	26.8 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]	25.7 mg L^{-1}, and 120% of the relevant control station's SS at the same tide of the same day	37.1 mg L^{-1}, and 130% of the relevant control station's SS at the same tide of the same day
Group 3 – During construction at the Jetty Approach (KP0.0 - 5.0), South of Soko Islands (KP5.0 - 8.9), Southwest of Soko Islands (KP8.9 - 12.1)		
DO in mg L^{-1} [a]	Surface and Middle 4.1 mg L^{-1} Bottom 2.7 mg L^{-1}	Surface and Middle 3.0 mg L^{-1} Bottom 2.0 mg L^{-1}
Turbidity in NTU (Depth-averaged [b]) [c]	17.0 NTU, and 120% of the relevant control station's turbidity at the same tide of the same day	30.9 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]	22.3 mg L^{-1}, and 120% of the relevant control station's SS at the same tide of the same day	36.9 mg L^{-1}, and 130% of the relevant control station's SS at the same tide of the same day
Group 4 – During construction at the Adamasta Channel (KP12.1 - 15.6), Southwest Lantau (KP15.6 - 21.3)		
DO in mg L^{-1} [a]	Surface and Middle 3.4 mg L^{-1} Bottom 2.8 mg L^{-1}	Surface and Middle 2.5 mg L^{-1} Bottom 2.0 mg L^{-1}
Turbidity in NTU (Depth-averaged [b]) [c]	63.1 NTU, and 120% of the relevant control station's turbidity at the same tide of the same day	165.7 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]	75.4 mg L^{-1}, and 120% of the relevant control station's SS at the same tide of the same day	121.8 mg L^{-1}, and 130% of the relevant control station's SS at the same tide of the same day
Group 5 – During construction at the West of Tai O to West of HKIA (KP21.3 - 31.5)		
DO in mg L^{-1} [a]	Surface and Middle 4.6 mg L^{-1} Bottom 4.0 mg L^{-1}	Surface and Middle 4.0 mg L^{-1} Bottom 2.0 mg L^{-1}
Turbidity in NTU (Depth-averaged [b]) [c]	31.9 NTU, and 120% of the relevant control station's turbidity at the same tide of the same day	46.6 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]	64.9 mg L^{-1}, and 120% of the relevant control station's SS at the same tide of the same day	72.5 mg L^{-1}, and 130% of the relevant control station's SS at the same tide of the same day
Group 6 – During construction at the West of HKIA to Lung Kwu Chau (KP31.5 - 37.5)		
DO in mg L^{-1} [a]	Surface and Middle 4.4 mg L^{-1} Bottom 3.9 mg L^{-1}	Surface and Middle 3.9 mg L^{-1} Bottom 2.0 mg L^{-1}
Turbidity in NTU (Depth-averaged [b]) [c]	30.7 NTU, and 120% of the relevant control station's turbidity at the same tide of the same day	47.0 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]	49.2 mg L^{-1}, and 120% of the relevant control station's SS at the same tide of the same day	74.0 mg L^{-1}, and 130% of the relevant control station's SS at the same tide of the same day
Group 7 – During construction at the Lung Kwu Chau to Urmston Anchorage (37.5 - 41.1), Urmston Road (KP41.1 - 42.9)		

Parameter	Action Level	Limit Level
DO in mg L^{-1} [a]	Surface and Middle 3.8 mg L^{-1} Bottom 3.1 mg L^{-1}	Surface and Middle 3.4 mg L^{-1} Bottom 2.0 mg L^{-1}
Turbidity in NTU (Depth-averaged [b]) [c]	34.5 NTU, and 120% of the relevant control station's turbidity at the same tide of the same day	79.2 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]	37.8 mg L^{-1}, and 120% of the relevant control station's SS at the same tide of the same day	98.2 mg L^{-1}, and 130% of the relevant control station's SS at the same tide of the same day
Group 8 – During construction at the West of BPPS (KP42.9 - 44.9), Pipeline shore approach at BPPS (KP44.9 - 45.0)		
DO in mg L^{-1} [a]	Surface and Middle 4.3 mg L^{-1} Bottom 3.6 mg L^{-1}	Surface and Middle 3.4 mg L^{-1} Bottom 2.0 mg L^{-1}
Turbidity in NTU (Depth-averaged [b]) [c]	34.3 NTU, and 120% of the relevant control station's turbidity at the same tide of the same day	58.5 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]	42.4 mg L^{-1}, and 120% of the relevant control station's SS at the same tide of the same day	78.2 mg L^{-1}, and 130% of the relevant control station's SS at the same tide of the same day

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

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

Table 2.5 Event and Action Plan for Marine 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 temperature, dissolved oxygen, turbidity, pH and salinity was checked, calibrated and certified by a laboratory accredited under HOKLAS before use. 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 temperature, dissolved oxygen, 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. IM1_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 samples testing were 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 Implementation Status of Environmental Mitigation Measures

A summary of the environmental mitigation measures as recommended in the approved EIA Report and the relevant environmental requirements in contract documents is presented in the Environmental Mitigation Implementation Schedule (EMIS) (see ***Annex B***). The necessary mitigation measures were implemented properly for the construction of the Project.

2.5 Post-Construction Water Quality Monitoring Results

Post-construction water quality monitoring was conducted three times per week for 4 weeks between 7 November and 2 December 2022 at 35 stations. The detailed monitoring schedule is shown in ***Annex C***. The monitoring results with weather and sea conditions at each monitoring day are shown in ***Annex D***. Graphical presentation of water quality monitoring results is given in ***Annex E***. The water quality monitoring results for DO, Turbidity and SS are summarised in ***Table 2.6***.

Table 2.6 Summary of Monitoring Results for DO, Turbidity and SS

Station	DO (Surface & Middle) (mg/L)		DO (Bottom) (mg/L)		Turbidity (NTU)		SS (mg/L)	
	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide
E1	6.5±0.7 (5.4 - 8.3)	6.5±0.8 (5.8 - 9.0)	6.5±0.6 (5.8 - 8.2)	6.6±0.7 (5.8 - 8.6)	4.6±1.8 (1.1 - 9.9)	4.9±2.0 (1.2 - 9.9)	5.5±1.8 (2.7 - 11.5)	4.8±1.9 (2.3 - 9.0)
E2	7.3±1.0 (6.0 - 9.8)	7.6±1.4 (6.7 - 12.3)	7.2±1.0 (5.8 - 9.6)	7.4±1.0 (6.5 - 9.7)	5.3±3.7 (1.0 - 14.9)	6.7±5.0 (0.6 - 25.7)	7.1±4.3 (2.9 - 18.9)	6.3±2.5 (3.1 - 13.6)
E3	7.1±0.7 (6.2 - 9.1)	7.3±0.7 (6.7 - 9.1)	7.0±0.8 (6.0 - 9.0)	7.2±0.7 (6.6 - 8.9)	8.0±5.7 (1.0 - 22.5)	10.3±6.8 (1.8 - 25.1)	7.5±4.9 (2.6 - 20.2)	7.8±6.2 (3.4 - 30.2)
E4	6.9±0.7 (5.9 - 8.9)	7.0±0.7 (6.4 - 9.2)	6.8±0.7 (5.9 - 8.5)	7.0±0.6 (6.4 - 8.8)	11.5±8.7 (1.3 - 33.9)	9.4±7.9 (1.5 - 29.8)	12.3±14.5 (2.4 - 85.2)	9.6±7.6 (2.8 - 29.2)
E5	6.8±0.4 (6.3 - 8.4)	6.5±0.5 (6.1 - 8.0)	6.8±0.4 (6.3 - 7.8)	6.5±0.5 (6.1 - 7.8)	11.4±10.5 (2.1 - 52.1)	14.4±9.3 (3.3 - 45.1)	13.8±12.7 (2.4 - 61.0)	17.2±10.6 (3.2 - 55.3)
E6	6.4±0.2 (6.0 - 6.9)	6.4±0.4 (5.8 - 7.4)	6.2±0.2 (6.0 - 6.6)	6.3±0.4 (5.7 - 7.3)	10.3±8.0 (1.6 - 36.0)	16.7±12.1 (3.3 - 48.4)	12.7±10.5 (2.8 - 41.1)	19.2±14.2 (3.3 - 56.1)
E7A	6.3±0.2 (6.1 - 6.7)	6.5±0.5 (5.8 - 7.5)	6.3±0.2 (6.0 - 6.6)	6.3±0.4 (5.8 - 7.3)	4.8±1.6 (2.4 - 7.8)	8.7±4.9 (3.4 - 18.4)	6.2±2.3 (2.4 - 11.9)	10.2±5.5 (3.7 - 23.2)
F1	6.9±0.7 (6.2 - 8.9)	7.2±0.8 (6.4 - 9.6)	6.8±0.7 (5.8 - 8.6)	7.2±0.8 (6.4 - 9.4)	4.2±2.3 (1.4 - 8.1)	4.3±2.0 (1.2 - 9.9)	5.3±1.5 (1.4 - 8.9)	5.2±1.9 (2.0 - 8.7)
F2	6.9±0.8 (5.8 - 8.9)	7.1±0.8 (6.2 - 9.7)	6.9±0.7 (6.0 - 8.6)	6.9±0.7 (5.9 - 8.8)	4.6±2.4 (1.2 - 13.2)	4.9±2.6 (1.1 - 13.3)	4.9±1.8 (1.1 - 9.7)	5.4±2.0 (2.1 - 9.3)
F3	7.2±0.7 (6.5 - 9.4)	7.2±0.9 (6.4 - 9.6)	7.2±0.5 (6.7 - 8.7)	7.1±0.7 (6.5 - 9.1)	4.4±2.1 (1.1 - 9.7)	4.8±2.1 (1.7 - 8.9)	5.4±1.9 (2.0 - 8.8)	5.4±2.1 (2.3 - 10.5)
F4	7.3±0.9 (6.4 - 9.6)	7.5±1.1 (6.6 - 10.3)	7.2±0.9 (6.2 - 9.4)	7.3±0.9 (6.6 - 9.6)	5.5±4.4 (0.6 - 17.8)	7.7±6.1 (1.7 - 24.1)	6.9±4.8 (2.6 - 21.9)	8.7±7.1 (2.9 - 31.5)
F5	7.0±1.0 (6.0 - 9.8)	7.0±1.0 (6.4 - 9.9)	6.8±0.7 (6.0 - 8.7)	6.9±0.9 (6.3 - 9.7)	9.3±7.1 (1.5 - 29.4)	10.1±8.3 (2.1 - 34.1)	10.7±8.0 (2.2 - 33.2)	14.7±14.2 (2.2 - 51.8)

Station	DO (Surface & Middle) (mg/L)		DO (Bottom) (mg/L)		Turbidity (NTU)		SS (mg/L)	
	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide
F6	6.5±0.3 (6.1 - 7.5)	6.5±0.4 (6.0 - 7.4)	6.4±0.2 (6.0 - 6.9)	6.3±0.3 (5.9 - 6.8)	10.4±13.3 (1.9 - 66.8)	13.9±10.1 (2.3 - 49.5)	11.0±13.8 (1.9 - 81.8)	17.2±12.8 (3.0 - 64.1)
IM1	7.1±0.6 (6.2 - 8.8)	6.9±0.9 (5.9 - 9.7)	7.1±0.5 (6.3 - 8.4)	6.9±0.8 (5.9 - 8.9)	3.9±1.9 (1.1 - 9.3)	4.9±2.6 (1.8 - 15.9)	5.2±2.3 (1.6 - 10.2)	5.5±1.5 (2.1 - 8.4)
IM2	7.1±0.7 (6.0 - 9.0)	7.2±0.7 (6.5 - 8.9)	7.0±0.8 (6.0 - 8.9)	7.1±0.7 (6.5 - 8.8)	11.3±8.4 (2.3 - 37.6)	11.0±6.4 (2.5 - 23.8)	9.7±6.8 (2.1 - 37.6)	10.1±6.1 (2.0 - 23.6)
IM3	6.9±0.7 (6.0 - 8.9)	7.1±0.7 (6.5 - 8.9)	6.9±0.7 (6.0 - 8.8)	7.2±0.7 (6.5 - 8.8)	20.9±15.8 (2.7 - 70.5)	16.1±13.7 (2.2 - 56.4)	33.2±30.7 (2.4 - 130.0)	22.7±29.8 (2.2 - 136.0)
IM4	7.0±0.8 (6.0 - 9.2)	7.0±0.6 (6.5 - 8.9)	7.0±0.7 (6.0 - 9.0)	7.0±0.6 (6.6 - 8.7)	12.6±8.8 (1.2 - 48.4)	14.9±9.5 (1.2 - 38.8)	13.2±11.6 (2.3 - 59.4)	17.2±20.2 (2.3 - 100.0)
IM5	6.9±0.8 (6.1 - 9.1)	7.0±0.7 (6.5 - 9.3)	6.9±0.7 (6.0 - 8.9)	6.9±0.6 (6.4 - 8.5)	11.3±10.8 (0.8 - 54.5)	13.9±10.9 (1.1 - 36.3)	9.8±5.5 (3.3 - 25.7)	13.3±15.7 (2.5 - 58.0)
IM6	6.9±0.7 (6.0 - 8.8)	7.0±0.7 (6.4 - 9.1)	6.8±0.7 (6.0 - 8.6)	6.9±0.6 (6.4 - 8.5)	11.8±14.1 (1.3 - 76.7)	11.2±9.3 (1.3 - 34.4)	15.2±23.8 (2.7 - 156.0)	9.9±8.7 (2.2 - 35.7)
IM7	6.8±0.5 (6.3 - 8.6)	6.6±0.5 (6.1 - 8.2)	6.7±0.5 (6.3 - 8.1)	6.6±0.5 (6.1 - 8.0)	8.8±5.5 (1.8 - 27.6)	14.5±8.3 (3.8 - 31.4)	10.5±6.6 (2.3 - 30.2)	18.1±10.2 (5.4 - 37.4)
IM8	6.8±0.5 (6.2 - 8.4)	6.5±0.4 (5.9 - 7.4)	6.7±0.5 (6.3 - 8.1)	6.5±0.4 (5.9 - 7.4)	11.7±7.7 (1.7 - 33.2)	13.9±6.7 (2.7 - 28.9)	13.9±9.3 (2.0 - 44.0)	16.5±8.2 (3.1 - 33.5)
IM9	6.6±0.3 (6.0 - 7.4)	6.6±0.5 (6.1 - 7.7)	6.5±0.3 (6.0 - 7.4)	6.4±0.4 (5.9 - 7.3)	10.3±6.7 (2.0 - 31.8)	12.1±7.5 (2.7 - 36.6)	13.2±8.8 (3.2 - 40.2)	11.7±7.7 (2.2 - 40.2)
IM10	6.4±0.3 (6.0 - 7.4)	6.4±0.4 (5.8 - 7.8)	6.3±0.5 (5.8 - 7.6)	6.1±0.3 (5.8 - 6.7)	8.6±5.3 (2.6 - 22.8)	14.2±15.1 (2.8 - 91.7)	10.4±6.2 (2.3 - 28.8)	16.5±17.0 (3.6 - 114.0)
IM11A	6.4±0.2 (6.1 - 6.9)	6.4±0.3 (6.0 - 7.5)	6.2±0.2 (5.9 - 6.6)	6.2±0.2 (5.8 - 6.6)	6.4±4.5 (2.1 - 26.9)	14.0±13.6 (2.5 - 72.9)	8.3±5.0 (3.0 - 31.7)	16.7±14.8 (2.8 - 73.0)
IM12	6.9±0.6 (6.2 - 8.4)	6.9±0.9 (6.0 - 9.8)	6.9±0.5 (6.2 - 8.2)	6.8±1.0 (5.9 - 9.7)	5.0±2.4 (1.0 - 10.0)	4.4±1.9 (1.8 - 9.1)	5.8±1.6 (2.6 - 9.0)	5.3±1.8 (2.1 - 9.2)

Station	DO (Surface & Middle) (mg/L)		DO (Bottom) (mg/L)		Turbidity (NTU)		SS (mg/L)	
	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide
IM13	6.3±0.2 (6.0 - 6.7)	6.4±0.4 (6.0 - 7.6)	6.3±0.1 (6.1 - 6.6)	6.3±0.2 (5.8 - 6.8)	4.4±1.4 (2.1 - 7.0)	12.1±9.3 (2.7 - 45.5)	5.7±1.8 (2.1 - 9.2)	15.0±11.7 (3.1 - 62.1)
IM14	6.2±0.2 (5.9 - 6.6)	6.5±0.2 (6.2 - 7.1)	6.3±0.2 (6.0 - 6.6)	6.4±0.3 (6.0 - 7.0)	5.8±2.1 (2.2 - 13.2)	12.1±7.1 (4.4 - 26.1)	7.2±2.4 (2.9 - 15.2)	15.3±9.4 (4.6 - 40.3)
IM15	6.4±0.2 (6.1 - 6.7)	6.5±0.4 (6.1 - 7.5)	6.4±0.2 (6.1 - 6.7)	6.4±0.3 (5.8 - 6.9)	7.8±3.0 (2.6 - 12.8)	10.7±7.7 (3.6 - 33.0)	10.0±4.2 (2.8 - 16.7)	13.0±10.4 (3.2 - 44.6)
IM16A	7.1±0.7 (6.2 - 9.0)	7.3±0.8 (6.3 - 9.5)	7.1±0.6 (6.3 - 8.7)	7.2±0.7 (6.3 - 8.9)	4.0±1.9 (1.0 - 9.2)	4.4±2.5 (1.0 - 11.9)	5.6±1.9 (2.2 - 10.8)	5.1±1.8 (2.3 - 9.7)
IM17	7.0±0.9 (5.8 - 9.6)	7.0±0.9 (5.8 - 9.5)	7.0±0.9 (5.9 - 9.1)	7.0±0.7 (5.9 - 8.5)	3.9±1.8 (1.0 - 10.8)	4.7±2.3 (1.6 - 10.6)	5.0±1.7 (2.1 - 8.8)	4.9±2.1 (2.0 - 9.6)
IM18	7.0±0.9 (5.9 - 9.5)	7.1±1.0 (5.8 - 9.7)	7.0±0.8 (5.9 - 8.9)	7.0±0.8 (5.8 - 9.0)	4.7±1.7 (1.6 - 9.6)	4.2±1.9 (1.6 - 8.5)	5.3±1.8 (2.5 - 9.6)	5.4±3.3 (2.3 - 26.5)
IM19	7.2±0.7 (6.3 - 9.3)	7.1±1.0 (5.8 - 9.7)	7.3±0.5 (6.7 - 8.9)	7.0±0.9 (5.8 - 9.0)	4.5±1.9 (1.1 - 10.0)	4.8±2.6 (1.0 - 13.4)	5.7±1.7 (2.1 - 9.0)	5.5±2.2 (2.8 - 15.8)
IM20A	7.0±0.8 (5.8 - 9.1)	7.1±0.8 (6.0 - 9.2)	6.9±0.8 (5.8 - 8.7)	7.1±0.7 (6.1 - 8.7)	4.5±2.3 (1.0 - 10.2)	4.7±2.4 (1.4 - 11.4)	5.2±1.6 (2.4 - 9.0)	5.6±2.5 (2.3 - 11.8)
IM21A	7.1±0.7 (6.3 - 9.1)	7.3±0.7 (6.5 - 9.4)	7.1±0.6 (6.3 - 8.4)	7.3±0.6 (6.7 - 8.9)	4.5±2.4 (1.0 - 11.5)	4.8±2.0 (1.0 - 9.4)	5.5±1.9 (2.3 - 9.1)	5.1±1.9 (2.6 - 9.3)

Note: (1) Averaged value ± standard deviation and the range of values (in bracket) are presented in each cell.

The water quality monitoring results showed that the levels of DO, Turbidity and SS varied across monitoring stations (both control and impact stations) and over time. The levels of DO, Turbidity and SS were within the respective ranges obtained in the baseline water quality monitoring conducted in 2019-2020.

It is noticed that some high levels of Turbidity and SS were occasionally recorded during the monitoring. Repeat *in-situ* measurement was conducted during the monitoring to confirm findings. Upon checking the field records, no marine construction works were observed in the vicinity of all monitoring stations during the monitoring period. 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 post-construction monitoring period. Such high levels of Turbidity and SS were within their respective ranges of EPD routine water quality monitoring data and the baseline water quality monitoring of the Project as discussed in the Baseline Monitoring Report [(4)].

Overall, the monitoring results for both impact and control stations are considered representative of the water quality of the Project area. Deterioration of water quality and indirect impacts at water and ecological sensitive receivers were not detected. The construction 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.

(4) ERM (2020). Baseline Monitoring Report for the Hong Kong Offshore LNG Terminal Project.

3. CONCLUSION

In accordance with the Updated EM&A Manual of the Project, post-construction water quality monitoring was conducted three times per week for four weeks upon completion of marine construction activities for the Project, in the same manner as the baseline monitoring, except TRC would not be measured during post-construction monitoring.

Post-construction water quality monitoring was conducted three times a week for four weeks between 7 November and 2 December 2022 at 35 monitoring stations specified in the Updated EM&A Manual. Overall, no observable pollution source was recorded at the monitoring stations and no marine construction works were observed in the vicinity of all monitoring stations during the post-construction monitoring period. The monitoring results are thus considered representative. The water quality monitoring results showed that the levels of DO, Turbidity and SS varied across monitoring stations (both control and impact stations) and over time. The levels of DO, Turbidity and SS were within the respective ranges obtained in the baseline water quality monitoring conducted in 2019-2020.

Overall, deterioration of water quality and indirect impacts at water and ecological sensitive receivers were not detected. The construction 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.

ANNEX A

CALIBRATION CERTIFICATES

ALS Technichem (HK) Pty Ltd
11/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
Kwai Chung, N.T., Hong Kong
T: +852 2610 1044
F: +852 2610 2021
www.alsglobal.com

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	JOHNNY HO	**WORK ORDER:**	HK2242870
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:	01-Nov-2022
		DATE OF ISSUE:	02-Nov-2022

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.:	[09H101347]/ [MPP37]
Date of Calibration:	01-November-2022

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: HK2242870

SUB-BATCH: 0
DATE OF ISSUE: 02-Nov-2022
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2-M]
Serial No./ Equipment No.: [09H101347]/ [MPP37]
Date of Calibration: 01-November-2022 Date of Next Calibration: 01-February-2023

PARAMETERS:

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

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.44	2.39	-0.05
5.38	5.18	-0.20
7.92	7.87	-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	3.98	-0.02
7.0	7.12	+0.12
10.0	10.03	+0.03
	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: HK2242870

SUB-BATCH: 0
DATE OF ISSUE: 02-Nov-2022
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2-M]
Serial No./ Equipment No.: [09H101347]/ [MPP37]
Date of Calibration: 01-November-2022 Date of Next Calibration: 01-February-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	38.8	-3.0
80	82.2	+2.8
	Tolerance Limit (%)	±10.0

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

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.85	-1.5
20	20.10	+0.5
30	30.22	+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.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2242870

SUB-BATCH: 0
DATE OF ISSUE: 02-Nov-2022
CLIENT: EGS (ASIA) LTD

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [YSI]/ [6820 V2-M]
Serial No./ Equipment No.: [09H101347]/ [MPP37]
Date of Calibration: 01-November-2022 Date of Next Calibration: 01-February-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)
14.0	14.89	+0.9
20.0	21.22	+1.2
40.5	41.55	+1.1
	Tolerance Limit (°C)	±2.0

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

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB100113
Date of Issue : 28 October 2022

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS (Multi-Parameters)
Manufacturer :	YSI (a xylem brand)
Serial Number :	16H104233
Date of Received :	28 October 2022
Date of Calibration :	28 October 2022
Date of Next Calibration :	27 January 2023
Request No. :	D-BB100113

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

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

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	4.04	0.04	Satisfactory
7.42	7.50	0.08	Satisfactory
10.01	10.18	0.17	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
10	10.0	0.0	Satisfactory
20	19.9	-0.1	Satisfactory
40	39.9	-0.1	Satisfactory

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

(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	10.19	1.90	Satisfactory
20	20.33	1.65	Satisfactory
30	30.48	1.60	Satisfactory

Tolerance of Salinity should be less than ± 10.0 (%)

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

LEE Chun-ning
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB100113
Date of Issue : 28 October 2022

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
7.65	8.00	0.35	Satisfactory
4.65	4.33	-0.32	Satisfactory
2.18	2.00	-0.18	Satisfactory
0.46	0.50	0.04	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance (%)	Result
0	0.10	--	Satisfactory
10	9.86	-1.4	Satisfactory
20	20.28	1.4	Satisfactory
100	100.59	0.6	Satisfactory
800	797.25	-0.3	Satisfactory

Tolerance of Turbidity should be less than ± 10.0 (%)

(6) Conductivity

Expected Reading (µS/cm at 25°C)	Display Reading	Tolerance (%)	Result
146.9	138.6	-5.65	Satisfactory
1412	1370.9	-2.91	Satisfactory
12890	12684	-1.6	Satisfactory
58670	57921	-1.28	Satisfactory
111900	111663	-0.21	Satisfactory

Tolerance of Conductivity should be less than ± 10.0 (%)

Remark(s)

·The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.

·The results relate only to the calibrated equipment as received

·The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

·"Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.

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

--- END OF REPORT ---

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB090081
Date of Issue : 19 September 2022

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS (Multi-Parameters)
Manufacturer :	YSI (a xylem brand)
Serial Number :	16H104234
Date of Received :	16 September 2022
Date of Calibration :	16 September 2022
Date of Next Calibration :	15 December 2022
Request No. :	D-BB090081

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

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

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	3.97	-0.03	Satisfactory
7.42	7.38	-0.04	Satisfactory
10.01	9.92	-0.09	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
40	40.1	0.1	Satisfactory
30	30.1	0.1	Satisfactory
10	10.0	0.0	Satisfactory

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

(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	10.17	1.70	Satisfactory
20	20.50	2.50	Satisfactory
30	30.31	1.03	Satisfactory

Tolerance of Salinity should be less than ± 10.0 (%)

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB090081
Date of Issue : 19 September 2022

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
7.38	7.60	0.22	Satisfactory
4.70	4.85	0.15	Satisfactory
1.48	1.80	0.32	Satisfactory
0.45	0.40	-0.05	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance (%)	Result
0	0.10	--	Satisfactory
10	9.84	-1.60	Satisfactory
20	19.82	-0.90	Satisfactory
100	97.79	-2.20	Satisfactory
800	819.11	2.40	Satisfactory

Tolerance of Turbidity should be less than ± 10.0 (%)

(6) Conductivity

Expected Reading (µS/cm at 25°C)	Display Reading	Tolerance (%)	Result
146.9	137.9	-6.13	Satisfactory
1412	1380.2	-2.25	Satisfactory
12890	12637.4	-1.96	Satisfactory
58670	57116	-2.65	Satisfactory
111900	112537	0.57	Satisfactory

Tolerance of Conductivity should be less than ± 10.0 (%)

Remark(s)

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--- END OF REPORT ---

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB090082
Date of Issue : 19 September 2022

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS (Multi-Parameters)
Manufacturer :	YSI (a xylem brand)
Serial Number :	17E100747
Date of Received :	16 September 2022
Date of Calibration :	16 September 2022
Date of Next Calibration :	15 December 2022
Request No. :	D-BB090082

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

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

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	3.95	-0.05	Satisfactory
7.42	7.37	-0.05	Satisfactory
10.01	9.94	-0.07	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
40	40.1	0.1	Satisfactory
30	30.1	0.1	Satisfactory
10	10.0	0.0	Satisfactory

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

(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	10.19	1.90	Satisfactory
20	20.43	2.15	Satisfactory
30	30.33	1.10	Satisfactory

Tolerance of Salinity should be less than ± 10.0 (%)

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BB090082
Date of Issue : 19 September 2022

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
7.38	7.58	0.20	Satisfactory
4.70	4.86	0.16	Satisfactory
1.48	1.81	0.33	Satisfactory
0.45	0.39	-0.06	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance (%)	Result
0	0.10	--	Satisfactory
10	9.86	-1.40	Satisfactory
20	19.85	-0.70	Satisfactory
100	98.96	-1.00	Satisfactory
800	817.32	2.20	Satisfactory

Tolerance of Turbidity should be less than ± 10.0 (%)

(6) Conductivity

Expected Reading (µS/cm at 25°C)	Display Reading	Tolerance (%)	Result
146.9	136.8	-6.88	Satisfactory
1412	1372.4	-2.8	Satisfactory
12890	12522.6	-2.85	Satisfactory
58670	56891	-3.03	Satisfactory
111900	112764	0.77	Satisfactory

Tolerance of Conductivity should be less than ± 10.0 (%)

Remark(s)

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--- END OF REPORT ---

ANNEX B

IMPLEMENTATION SCHEDULE

ANNEX B IMPLEMENTATION SCHEDULE OF RECOMMENDED MITIGATION MEASURES

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
Air Quality								
S4.10.1	S2.1	Impervious sheet will be provided for skip hoist for material transport.	Land sites for GRSs within BPPS and LPS / During construction, particularly dry season	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*
S4.10.1	S2.1	The area where dusty work takes place should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after dusty activities as far as practicable.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*
S4.10.1	S2.1	All dusty materials should be sprayed with water or a dust suppression chemical immediately prior to any loading, unloading or transfer operation.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*
S4.10.1	S2.1	Dropping heights for excavated materials should be controlled to a practical height to minimise the fugitive dust arising from unloading.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*

([5]) D = Design Phase, C = Construction Phase, O = Operational Phase

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S4.10.1	S2.1	During transportation by truck, materials should not be loaded to a level higher than the side and tail boards, and should be dampened or covered before transport.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*
S4.10.1	S2.1	Wheel washing device should be provided at the exits of the work sites. Immediately before leaving a construction site, every vehicle shall be washed to remove any dusty material from its body and wheels as far as practicable.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*
S4.10.1	S2.1	Road sections between vehicle-wash areas and vehicular entrance will be paved.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*
S4.10.1	S2.1	Haul roads will be kept clear of dusty materials and will be sprayed with water so as to maintain the entire road surface wet at all times.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*
S4.10.1	S2.1	Temporary stockpiles of dusty materials will be either covered entirely by impervious sheets or sprayed with water to maintain the entire surface wet all the time.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*
S4.10.1	S2.1	Stockpiles of more than 20 bags of cement and dusty construction materials will be covered entirely by impervious sheeting sheltered on top and 3-sides.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S4.10.1	S2.1	All exposed areas will be kept wet to minimise dust emission.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*
S4.10.1	S2.1	Ultra-low-sulphur diesel (ULSD), defined as diesel fuel containing not more than 0.005% sulphur by weight, will be used for all construction plant on-site.	Land sites for GRSs within BPPS and LPS / During construction/ During operation	Contractor(s) / CAPCO / HK Electric		✓	✓	*Environment, Transport and Works Bureau Technical Circular (ETWB-TC(W)) No 19/2005 on Environmental Management on Construction Sites*
S4.10.1	S2.1	The engine of the construction equipment during idling will be switched off.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*
S4.10.1	S2.1	Regular maintenance of construction equipment deployed on-site will be conducted to prevent black smoke emission.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*Air Pollution Control (Construction Dust) Regulation*
S4.10.1	S2.1	All marine vessels fuelled in Hong Kong are required to operate using marine light diesel with sulphur content lower than 0.05%.	Marine sites for the LNG Terminal, the BPPS Pipeline and the LPS Pipeline / During construction/ During operation	Contractor(s) / Project Proponents		✓	✓	*Air Pollution Control (Marine Light Diesel) Regulation*

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S4.10.1	S2.1	Non-road mobile machinery (NRMMs), e.g. mobile generator and air compressor, shall comply with the prescribed emission standards and approved with a proper label by EPD.	Land sites for GRSs within BPPS and LPS and marine sites for the LNG Terminal, the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		*Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation*
S4.10.1	S2.1	To ensure proper implementation of the recommended dust mitigation measures and good construction site practices during the construction phase of the GRSs and the BPPS and the LPS, environmental site audits on monthly basis is recommended throughout the construction period.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)/ Environmental Team (ET) & Independent Environmental Checker (IEC)		✓		-
S4.10.2	S2.2	LNGCs shall comply with the fuel restriction requirement under the *Air Pollution Control (Ocean Going Vessels) (Fuel at berth) Regulation.*	Marine site for the LNG Terminal / During operation	HKLTL			✓	*Air Pollution Control (Ocean Going Vessels) (Fuel at berth) Regulation*
Hazard to Life								
S5.3.3	S3	All personnel within the BPPS shall comply with CLP safety policy and requirements.	Land site for the GRS within BPPS / During construction / During operation	Contractor(s) / CAPCO		✓	✓	-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S5.3.3	S3	All personnel within the LPS shall comply with HK Electric safety policy and requirements.	Land site for the GRS within LPS / During construction / During operation	Contractor(s) / HK Electric		✓	✓	-
S5.3.3	S3	All operation work procedures shall be complied with the operating plant procedures or guidelines and regulatory requirements.	Land sites for GRSs within BPPS and LPS / During construction / During operation	Contractor(s) / CAPCO / HK Electric		✓	✓	-
S5.3.3	S3	All personnel shall be equipped with appropriate personal protective equipment (PPE) when working at the BPPS and LPS facilities.	Land sites for GRSs within BPPS and LPS / During construction / During operation	Contractor(s) / CAPCO / HK Electric		✓	✓	-
S5.3.3	S3	Safety training and briefings shall be provided to all personnel.	Land sites for GRSs within BPPS and LPS / During construction / During operation	Contractor(s) / CAPCO / HK Electric		✓	✓	-
S5.3.3	S3	Regular site safety inspections/ audits shall be conducted.	Land sites for GRSs within BPPS and LPS / During construction/ During operation	Contractor(s) / CAPCO / HK Electric		✓	✓	-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S5.3.3	S3	Method statements and risk assessments shall be prepared and safety control measures shall be in place before commencement of work.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-
S5.3.3	S3	Work permit system, on-site pre-work risk assessment and emergency response procedure shall be in place before commencement of work.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-
S5.3.3	S3	All construction workers shall be under close site supervision during the construction phase of the GRSs.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-
S5.4.1	S3	An emergency response plan will be put in place which fully documents the procedures to be followed in the event of an emergency.	Transit of the LNGC and FSRU Vessel under Emergency Situation / During operation	HKLTL			✓	-
S5.3.3	S3	Method statements and risk assessments shall be prepared and safety control measures should be in place before the commencement of construction works.	LNG Terminal / During construction	Contractor(s)		✓		-
S5.3.3	S3	Work permit system, on-site pre-work risk assessment and emergency response procedure shall be in place before commencement of construction works.	LNG Terminal / During construction	Contractor(s)		✓		-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S5.3.3	S3	All construction workers shall be under close site supervision during the construction phase of the LNG Terminal.	LNG Terminal / During construction	Contractor(s)		✓		-
S5.3.3	S3	All personnel within the LNG Terminal shall comply with relevant safety policy and requirements.	LNG Terminal / During operation	HKLTL			✓	-
S5.3.3	S3	All operation work procedures shall be complied with relevant codes and standards (e.g. SIGTTO) and regulatory requirements.	LNG Terminal / During operation	HKLTL			✓	-
S5.3.3	S3	Work permit system and emergency response procedure shall be in place.	LNG Terminal / During operation	HKLTL			✓	-
S5.3.3	S3	Robust and extended process control system, safety control system, fire-fighting system and security system shall be provided.	LNG Terminal / During operation	HKLTL			✓	-
S5.3.3	S3	Sufficient and trained / competent staff shall be provided to operate the LNG Terminal.	LNG Terminal / During operation	HKLTL			✓	-
S5.3.3	S3	Regular safety inspections/audits shall be conducted.	LNG Terminal / During operation	HKLTL			✓	-
Noise								
S6.7	S4	N/A						
Water Quality								

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S7.9.1	S5	A detailed hydrotesting procedure for subsea pipelines will be developed that will detail how the process will be carried out, how it will be carefully controlled and monitored, and how the intake and subsequent discharge of the seawater will be managed. Water quality monitoring for commissioning hydrotest for the subsea pipelines is presented in Section 5.3.5 of the Updated EM&A Manual.	LNG Terminal / During construction	Contractor(s)		✓		TM Standard under the *WPCO*, *WPCO* license requirements, WQO
S7.9.1	S5	Adoption of appropriate dredging and jetting rates, plant numbers and silt curtains at the plant and WSRs, where applicable (***Table 7.18*** of the EIA Report, reprovided as ***Table A.2*** below).	Marine Dredging & Jetting for the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		-
S7.9.1	S5	Grab dredging can be conducted concurrently with one TSHD.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		-
S7.9.1	S5	One jetting machine will be working on LPS pipeline. No more than two jetting machines will be working on BPPS pipeline.	Marine Jetting for the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S7.9.1	S5	Cofferdam construction and removal at landfalls of BPPS and LPS (where required) should not be conducted concurrently with the nearby pipeline dredging sections (BPPS KP44.9 - 45.0 and LPS KP17.4-18.2). Silt curtain surrounding the works areas for cofferdam construction and removal at pipeline landfalls of the BPPS and the LPS should also be implemented.	Pipeline landfalls for the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S7.9.1/ S7.9.2	S5	The following measures shall be followed for provision of silt curtain: • The silt curtain shall be formed and installed in such a way that tidal rise and fall are accommodated, with the silt curtains always extending from the surface to the bottom of the water column and held with anchor blocks. • Schematic diagrams on silt curtain deployment are provided in ***Figures 7.4*** and ***7.5*** of the EIA Report. • The contractor shall regularly inspect the silt curtains and check that they are moored and marked to avoid danger to marine traffic. • Regular inspection on the integrity of the silt curtain should be carried out by the contractor and any damage to the silt curtain shall be repaired by the contractor promptly. • Relevant marine works shall only be undertaken when the repair is fixed to the satisfaction of the engineer.	Marine Dredging & Jetting for the BPPS Pipeline and the LPS Pipeline / During construction Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s)		✓	✓	-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S7.9.1 / S7.9.2	S5	All vessels should be well maintained and inspected before use to limit any potential discharges to the marine environment.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s)		✓	✓	-
S7.9.1	S5	All vessels must have a clean ballast system.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		-
S7.9.1 / S7.9.2	S5	No overflow is permitted from the trailing suction hopper dredger and the Lean Mixture Overboard (LMOB) system will only be in operation at the beginning and end of the dredging cycle when the drag head is being lowered and raised.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s)		✓	✓	-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S7.9.1 / S7.9.2	S5	Dredged marine mud will be disposed of in a gazetted marine disposal area in accordance with the Dumping at Sea Ordinance (DASO) permit conditions.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s)		✓	✓	-
S7.9.1 / S7.9.2	S5	Dredgers will maintain adequate clearance between vessels and the seabed at all states of the tide and reduce operations speed to ensure that excessive turbidity is not generated by turbulence from vessel movement or propeller wash.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s)		✓	✓	-
S7.9.1 / S7.9.2	S5	Marine works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site. Wastewater from potentially contaminated area on working vessels should be minimised and collected. These kinds of wastewater should be brought back to port and discharged at appropriate collection and treatment system.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction / During operation	Contractor(s)		✓	✓	-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S7.9.1 / S7.9.2	S5	No solid waste is allowed to be disposed overboard.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction / During operation	Contractor(s)		✓	✓	-
S7.9.1	S5	Appropriate infiltration control, such as cofferdam wall, should be adopted to limit groundwater inflow to the excavation works areas in the Project site. Groundwater pumped out from excavation area should be discharged into the storm system via silt removal facilities.	Land sites & drainages for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-
S7.9.1	S5	Silt removal facilities such as silt traps or sedimentation facilities will be provided to remove silt particles from runoff to meet the requirements of the TM standard under the WPCO. The design of silt removal facilities will be based on the guidelines provided in ProPECC PN 1/94. All drainage facilities and erosion and sediment control structures will be inspected on a regular basis and maintained to confirm proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit will be removed regularly.	Land sites & drainages for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*ProPECC PN 1/94*, TM Standard under the *WPCO*

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S7.9.1	S5	Earthworks to form the final surfaces will be followed up with surface protection and drainage works to prevent erosion caused by rainstorms.	Land sites & drainages for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-
S7.9.1	S5	Appropriate surface drainage will be designed and provided where necessary.	Land sites & drainages for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-
S 7.9.1	S5	The precautions to be taken at any time of year when rainstorms are likely together with the actions to be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94.	Land sites & drainages for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		*ProPECC PN 1/94*
S7.9.1	S5	Oil interceptors will be provided in the drainage system where necessary and regularly emptied to prevent the release of oil and grease into the storm water drainage system after accidental spillages.	Land sites & drainages for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-
S7.9.1	S5	Temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge, if any, will be adequately designed for the controlled release of storm flows.	Land sites & drainages for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S7.9.1	S5	The temporary diverted drainage, if any, will be reinstated to the original condition when the construction work has finished or when the temporary diversion is no longer required.	Land sites & drainages for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-
S7.9.1	S5	Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the construction workers over the construction site to prevent direct disposal of sewage into the water environment. No onsite discharge from these chemical toilets would be allowed.	Land sites & drainages for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-
S 7.9.2	S5	Mitigation measures for maintenance dredging at the LNG Terminal in form of controlled dredging rate (maximum of 5,500m^3 day^{-1}) as well as silt curtain should be implemented for the control of sediment dispersion and the protection of the nearby WSRs.	Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s) / HKLTL			✓	-
S 7.9.2 / S9.11.3	S5 / S7	A project-specific contingency plan (including protocols for avoidance, containment, remediation and reporting accidental fuel spill event) will be prepared and implemented to contain and clean up the spilled or leaked fuels or chemicals at the LNG Terminal, surrounding waters and marine parks.	Fuel spillage for the LNG Terminal / During operation	Contractor(s) / HKLTL			✓	

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S7.12.1	S5.2-S5.5	Marine water quality monitoring at selected WSRs is recommended for marine dredging and jetting works for the pipeline construction.	Designated monitoring stations as defined in EM&A Manual / During marine construction period	Environmental Team (ET)		✓		-
S7.12.1	S5.2-S5.5	To ensure proper implementation of the recommended mitigation measures and good construction site practices during marine-based construction works, environmental site audits on a regular basis is recommended throughout the construction period.	Marine sites for the LNG Terminal, the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)/ Environmental Team (ET) & Independent Environmental Checker (IEC)		✓		-
S7.12.2	S5.2-S5.5	Water quality monitoring at the selected nearby WSRs is recommended for first year of operation of the LNG Terminal.	During operation for the LNG Terminal	Environmental Team (ET)/ HKLTL			✓	TM Standard under the *WPCO*, *WPCO* license requirements, WQO
S7.12.2	S5.2-S5.5	During maintenance dredging at the LNG Terminal, water quality monitoring at the selected nearby WSRs would be required.	Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s) / HKLTL			✓	TM Standard under the *WPCO*, *WPCO* license requirements, WQO
Waste Management								
S8.5	S6.2	The contractor(s) will nominate approved personnel to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site.	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S8.5	S6.2	Good waste management practices should be implemented: • Training of site personnel in proper waste management and chemical handling procedures; • Separation of chemical wastes for special handling and appropriate treatment at the Chemical Waste Treatment Centre; • Encourage collection of aluminium cans and waste paper by individual collectors during construction with separate labelled bins provided to segregate these wastes from other general refuse by the workforce; • Any unused chemicals, and those with remaining functional capacity, be recycled as far as possible; • Prior to disposal of C&D materials, wood, steel and other metals will be separated, to the extent practical for re-use and/or recycling to reduce the quantity of waste to be disposed in a landfill; • Proper storage and site practices to reduce the potential for damage or contamination of construction materials; and • Plan and stock construction materials carefully to reduce amount of waste	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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		generated and avoid unnecessary generation of waste.						
S8.5	Table 6.1	The contractor(s) must provide sufficient waste disposal points. Wastes will be collected and removed from site in a timely manner.	All areas / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-
S8.5	Table 6.1	The contractor(s) will have appropriate measures to reduce windblown/ floating litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	All areas / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-
S8.5	Table 6.1	The contractor(s) will take and keep records of quantities of wastes generated, recycled and disposed of and the disposal sites.	All areas / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-
S8.5	Table 6.1	The contractor(s) must segregate and store different types of waste in different containers, skips or stockpiles to enhance reuse and recycling of material and proper disposal of waste.	All areas / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-
S8.5	S6.2	The contractor(s) will use reusable non-timber formwork to reduce the amount of C&D materials.	All areas / During construction	Contractor(s)		✓		-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S8.5	Table 6.1	The contractor(s) must ensure that all the necessary waste disposal and marine dumping permits or licences are obtained prior to the commencement of the construction works.	During construction	Contractor(s)		✓		-
S8.5	S6.2	The contractor will open a billing account with EPD in accordance with the *Waste Disposal (Charges for Disposal of Construction Waste) Regulation* for the payment of disposal charges.	During construction	Contractor(s)		✓		*Cap 354N Waste Disposal (Charges for Disposal of Construction Waste) Regulation*
S8.5	S6.2	A trip-ticket system will be established in accordance with *DEVB TC(W) No. 6/2010* to monitor the reuse of surplus excavated materials off-site and disposal of construction waste and general refuse at transfer facilities/ landfills, and to control fly-tipping.	During construction	Contractor(s)		✓		*DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction & Demolition Materials*
S8.5	S6.2	A WMP as stated in the *PNAP ADV-19* for the amount of waste generated, recycled and disposed of (including the disposal sites) will be established and implemented during the construction phase as part of the Environmental Management Plan (EMP). The Contractor will be required to prepare the EMP and submits it to the Architect/ Engineer under the Contract for approval prior to implementation.	All areas / During construction	Contractor(s)		✓		*PNAP ADV-19*

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S8.5	Table 6.1	The management of dredged marine sediment requirement from *PNAP ADV-21* will be incorporated in the Contract for the construction and maintenance dredging during the operation of the Project.	Marine works / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	*PNAP ADV-21* and *Dumping at Sea Ordinance (DASO)*
S8.5/ S7.9	S6.2 / S5	Disposal vessels will be fitted with tight bottom seals in order to prevent leakage of material during transport.	Dredged areas / During construction	Contractor(s)/ Project Proponents		✓		*Dumping at Sea Ordinance (DASO)*
S8.5/ S7.9	S6.2 / S5	Barges will be filled to a level, which ensures that of marine sediment and marine sediment laden water does not spill over during loading or transport to the disposal site and that adequate freeboard is maintained to ensure that the decks are not washed by wave action.	Dredged areas / During construction	Contractor(s)/ Project Proponents		✓		*Dumping at Sea Ordinance (DASO)*
S8.5/ S7.9	S6.2 / S5	After dredging, any excess materials will be cleaned from decks and exposed fittings before the vessel is moved from the dredging area.	Dredged areas / During construction	Contractor(s)/ Project Proponents		✓		*Dumping at Sea Ordinance (DASO)*
S8.5/ S7.9	S6.2 / S5	When the dredged material has been unloaded at the disposal areas, any material that has accumulated on the deck or other exposed parts of the vessel will be removed and placed in the hold or a hopper. Under no circumstances will decks be washed clean in a way that permits material to be released overboard.	Dredged areas / During construction	Contractor(s)/ Project Proponents		✓		

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S8.5	S6.2	Dredgers will maintain adequate clearance between vessels and the seabed at all states of the tide and reduce operations speed to ensure that excessive turbidity is not generated by turbulence from vessel movement or propeller wash.	Dredged areas / During construction	Contractor(s)/ Project Proponents		✓		
S8.5	Table 6.1	C&D materials will be segregated on-site into public fill and non-inert C&D materials and stored in different containers or skips to facilitate reuse of the public fill and proper disposal of the construction waste. Specific areas of the land and marine-based construction sites will be designated for such segregation and storage if immediate use is not practicable. Prefabrication will be adopted as far as practicable to reduce the construction waste arisings.	During construction	Contractor(s)		✓		-
S8.5	Table 6.1	The contractor(s) will register as a chemical waste producer with the EPD. Chemical waste will be handled in accordance with the *Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes*.	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	*Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes*

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S8.5	Table 6.1	Containers used for storage of chemical wastes will: • Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; • Have a capacity of less than 450 L unless the specifications have been approved by the EPD; and • Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Regulations.	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	*Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes*

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S8.5	Table 6.1	The storage area for chemical wastes will: • Be clearly labelled and used solely for the storage of chemical waste; • Be enclosed on at least 3 sides; • Have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest; • Have adequate ventilation; • Be covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary); and • Be arranged so that incompatible materials are appropriately separated.	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	*Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes*
S8.5	Table 6.1	Chemical waste will be disposed of: • Via a licensed waste collector; and • To a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility which also offers a chemical waste collection service and can supply the necessary storage containers.	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	*Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes*

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S8.5	Table 6.1	General refuse (including the floating refuse collected) will be stored in enclosed bins separately from C&D materials and chemical wastes. Floating refuse will be collected on an 'as needed' basis for disposal as general refuse. Workers will be prohibited from throwing rubbish into the sea and adequate bins will be provided on both land and marine-based sites and marine vessels. General refuse will be delivered separately from C&D materials and chemical wastes for offsite disposal on a regular basis to reduce odour, pest and litter impacts. General refuse from the marine vessels will be collected and disposed on shore.	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-
S8.5	Table 6.1	Recycling bins will be provided at strategic locations within the land and marine-based construction site and marine vessels to facilitate recovery of recyclable materials (including aluminium can, waste paper, glass bottles and plastic bottles) from the Project Site. Materials recovered will be sold for recycling.	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-
S8.5	S6.2	To avoid any odour and litter impact, appropriate number of portable toilets will be provided for workers on-site.	All areas / During construction / During operation	Contractor(s)		✓	✓	-

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S8.5	S6.2	At the commencement of the construction works and operations, training will be provided to workers on the concepts of site cleanliness and on appropriate waste management procedures, including waste reduction, reuse and recycling. In particular, the training will emphasize no dumping of waste into the sea is allowed, particularly at marine-based work sites and on marine vessels.	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-
S8.5	S6.2	Industrial waste arising from maintenance activities will be segregated. Scrap metals and recyclables will be sent for recycling to reduce the overall quantity of waste disposed from these activities.	All areas / During operation	Project Proponents			✓	-
S8.7	S6.1	It is recommended that monthly audits of the waste management practices be carried out during the construction phase land-based work sites (at the GRSs at the BPPS and the LPS), and at marine-based work sites (on marine vessels and Jetty) to determine if wastes are being managed in accordance with the recommended good site practices and WMP. The audits will include all aspects of waste management including waste generation, storage, handling, recycling, transportation and disposal, to prevent any dumping of waste into the sea or malpractice of waste disposal.	All areas / During construction	Contractor(s)/ Environmental Team (ET) & Independent Environmental Checker (IEC)		✓		-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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Ecology								
S9.11.2	S7	The vessel operators will be required to control and manage all effluent from vessels. These kinds of wastewater shall be brought back to port where possible and discharged at appropriate collection and treatment system to prevent avoidable water quality impact.	Marine works / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-
S9.11.2	S7	A policy of no dumping of rubbish, food, oil, or chemicals will be strictly enforced. This will also be covered in the contractor briefings.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-
S9.11.2	S7	Only well-maintained and inspected vessels would be used to limit any potential discharges to the marine environment.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-
S9.11.2	S7	Standard site practices outlined in *ProPECC PN 1/94 "Construction Site Drainage"* will be followed as far as practicable in order to reduce surface runoff, minimise erosion, and also to retain and reduce any SS prior to discharge.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	*ProPECC PN 1/94*

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S9.11.3	S7	Pipeline dredging/ jetting works between North of Tai O and Fan Lau (BPPS KP21.3 to 15.6) will avoid the peak months of Chinese White Dolphin (CWD) calving (May and June).	Marine works (Dredging/ jetting works between North of Tai O and Fan Lau along the BPPS Pipeline) / During construction	Contractor(s)		✓		-
S9.11.3	S7	Pipeline dredging/ jetting works between South of Soko Islands and the LNG Terminal (BPPS KP8.9 to 0.0) will be restricted to a daily maximum of 12 hours with daylight (0700 – 1900) operations.	Marine works (Dredging/ jetting works between South of Soko Islands and the LNG Terminal along the BPPS Pipeline) / During construction	Contractor(s)		✓		-
S9.11.3	S7	Pipeline dredging/ jetting from LNG Terminal to South of Shek Kwu Chau (LPS KP0.0 to 5.0) will be restricted to a daily maximum of 12 hours with daytime (0700 – 1900) operations.	Marine works (Dredging/ jetting works between from LNG Terminal to South of Shek Kwu Chau along the LPS Pipeline) / During construction	Contractor(s)		✓		-
S9.11.3	S7	Use of vibratory/ hydraulic pushing method to vibrate / push the open-ended steel tubular pile for the upper layer of the seabed and only use hydraulic hammer (if needed) to install the remainder of the pile length	Marine works (Piling at the LNG Terminal) / During construction	Contractor(s)		✓		-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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		through the lower layer of the seabed. During underwater percussive piling works: • Quieter hydraulic hammers should be used instead of the noisier diesel hammers; • Use of Noise Reduction System for hydraulic hammering; • Acoustic decoupling of noisy equipment on work barges should be undertaken; • Using ramp-up piling procedures. This comprises of low energy driving for a period of time prior to commencement of full piling. This will promote avoidance of the area by marine mammals when sounds levels are not injurious. Blow frequency during this ramping up period should replicate the intensity that would be undertaken during full piling (e.g. one blow every two seconds) to provide cues for marine mammals to localize the sound source. Pile blow energy should be ramped up gradually over the 'soft start' period. Activities will be continuous without short-breaks and avoiding sudden random loud sound emissions; • Underwater percussive piling should be conducted inside a bubble curtain so as to ameliorate underwater sound level transmission; • The percussive pile driving will be conducted during the daytime (0700 –						

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		1900) for a maximum of 12 hours, avoiding generation of underwater sounds at night time; and • Underwater percussive piling works for the Jetty construction will avoid the peak season of FP (December to May).						
S9.11.3	S7	The vessel operators of this Project will be required to use predefined and regular routes (that do not encroach into existing and proposed marine parks), make use of designated fairways to access the works areas, and would avoid traversing sensitive habitats such as existing and proposed marine parks (with the exception of the FSRU Vessel which will need to transit through the proposed SLMP during manoeuvring to the Jetty and after typhoon event due to its safe operational requirement).	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-
S9.11.3	S7	Any anchoring/ anchor spread requirements during Project construction will avoid encroachment into the existing and proposed marine parks, unless otherwise agreed by the Director of Environmental Protection.	Marine works (on existing, planned and potential marine parks) / During construction	Contractor(s)/ Project Proponents		✓		-

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S9.11.3	S7	Silt curtain deployment during Project construction and maintenance dredging will avoid encroachment into the existing and proposed marine parks, unless otherwise agreed by the Director of Environmental Protection.	Marine works (on existing, planned and potential marine parks) / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-
S9.11.3	S7	No stopping over or anchoring activity of vessels related to the Project should be conducted within existing and proposed marine parks, even before, during and after typhoon, unless otherwise agreed by the Director of Environmental Protection.	Marine works (on existing, planned and potential marine parks) / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-
S9.11.3	S7	Use of appropriate dredging and jetting rates with the use of silt curtain where needed as recommended in the Water Quality section (***Section 7*** of the EIA Report) to reduce potential water quality impacts from elevated suspended solids (SS) due to the proposed marine works.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-
S9.11.3	S7	Silt curtain will be checked and maintained to ensure its effectiveness in mitigating water quality impacts on existing, planned and potential marine parks.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
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S9.11.3	S7	All vessel operators working on the Project will be given a briefing, alerting them to the locations of the existing, proposed and potential marine parks and the regulations for marine parks, the possible presence of dolphins and porpoises in the marine works areas, and the guidelines for safe vessel operation in the presence of cetaceans. The vessels will avoid using high speed as far as possible. By observing the guidelines, vessels will be operated in an appropriate manner so that marine mammals will not be subject to undue disturbance or harassment.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-
S9.11.3	S7	All vessels used in this Project will be required to slow down to 10 knots around the Project's marine works areas and areas with high dolphin and porpoise usage, including existing and proposed marine parks. With implementation of this measure, the chance of vessel strike resulting in physical injury or mortality of marine mammals will be extremely unlikely.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S9.11.3	S7	During underwater percussive piling works, a marine mammal exclusion zone within a radius of 500m radius will be implemented during underwater percussive piling works. Qualified observer(s) will scan an exclusion zone of 500m radius around the work area for at least 30 minutes prior to the start of piling. If a marine mammal is observed in the exclusion zone, piling will be delayed until they have left the area. This measure will ensure the area in the vicinity of the underwater percussive piling work is clear of marine mammals prior to the commencement of works and will serve to reduce any disturbance to marine mammals. When a marine mammal is spotted by qualified personnel within the exclusion zone, piling works will cease and will not resume until the observer confirms that the zone has been continuously clear of the marine mammal for a period of 30 minutes. This measure will ensure the area in the vicinity of the piling is clear of the marine mammal during works and will serve to reduce any disturbance to marine mammals.	Marine works / During construction	Contractor(s) / Project Proponents		✓		-

S9.11.3	S7	During marine dredging or jetting operations, a marine mammal exclusion zone within a radius of 250m from dredger or jetting machine will be implemented. Qualified observer(s) will scan an exclusion zone of 250m radius around the work area for at least 30 minutes prior to the start of dredging or jetting. If cetaceans or other megafauna are observed in the exclusion zone, dredging or jetting will be delayed until they have left the area. This measure will ensure the area in the vicinity of the dredging or jetting work is clear of marine mammals prior to the commencement of works and will serve to reduce any disturbance to marine mammals. When a marine mammal is spotted by qualified personnel within the exclusion zone, dredging or jetting works will cease and will not resume until the observer confirms that the zone has been continuously clear of the marine mammal for a period of 30 minutes. This measure will ensure the area in the vicinity of the works is clear of the marine mammal during works and will serve to reduce any disturbance to marine mammals. If necessary, for night-time works, exclusion zone monitoring for FP by underwater acoustic means would be explored to supplement the exclusion zone monitoring by trained observers. A site trial will be conducted to demonstrate its practicability/ effectiveness before actual implementation during the night-time works.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-
S9.11.3	S7	Implementation of a contingency plan to contain and clean up the spilled or leaked fuels or chemicals at the LNG Terminal, surrounding waters and marine parks.	Marine site for the LNG Terminal / During operation	Contractor(s) / HKLTL			✓	-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S9.15.1	S7	Baseline, impact and post-construction monitoring of marine mammal using vessel-based line transect surveys and passive acoustic monitoring (PAM) will be undertaken to keep track of potential changes in the usage of waters in the vicinity of the Project's works areas by FP. Prior to the commencement of monitoring, methods will be agreed with the AFCD.	Marine site / During construction	Contractor(s) / ET/ Project Proponents		✓		-
Fisheries								
S10.8	S8	The mitigation measures designed to mitigate impacts to water quality to acceptable levels (compliance with assessment criteria) and marine ecological impacts are expected to mitigate impacts to fisheries resources.	During construction and operation	Contractor(s) / Project Proponents / Environmental Team (ET) & Independent Environmental Checker (IEC)		✓	✓	-
S10.8	S8	Impingement and entrainment of fisheries resources will be reduced through appropriate design of the intake screens on the cooling water intake.	During operation for the LNG Terminal	Contractor(s) / HKLTL			✓	-
Visual								

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S11.8	S9	Sensitive architectural design of the new facilities. This should take into account material texture, colour, finished to structure and the context of the site to ensure the GRSs at the BPPS and LPS blend into the existing context, cause least disturbance to the existing land. LNG Terminal will be designed for marine safety and operations, in accordance with relevant standards and regulations and sensitive architectural design will be considered where practicable.	All areas / Detailed design / During construction / During operation	Design Contractor / Project Proponents	✓	✓	✓	-
S11.8	S9	Pre-construction and construction period for the GRSs and LNG Terminal should be reduced as far as practical to lower visual impact.	All areas / During construction	Contractor(s)		✓		-
S11.8	S9	Following construction, land areas temporarily affected by the construction works, will be reinstated to their former state.	Land sites for the GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-
S11.8	S9	Light intensity and beam directional angle should be controlled at the GRSs and the LNG Terminal at the design stage to reduce light pollution and glare (e.g. hooded lights, specific directional focus, etc.).	All areas / Detailed design / During operation	Design Contractor / Project Proponents	✓		✓	-

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage[5]			Relevant Legislation & Guidelines
					D	C	O	
S11.8	S9	Any plants to be affected by the GRSs at the BPPS and the LPS should be preserved and care taken to ensure the existing health status of the vegetation is maintained or enhanced after construction.	All areas / During construction	Contractor(s)		✓		-
Cultural Heritage								
S12.7	S10	N/A						

ANNEX C

MONITORING SCHEDULE

Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project
Post-Construction Marine Water Quality Monitoring (Nov-Dec 2022)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1/Nov	2/Nov	3/Nov	4/Nov	5/Nov
6/Nov	7/Nov	8/Nov	9/Nov	10/Nov	11/Nov	12/Nov
	Post-Construction Monitoring ebb tide 10:03 - 14:03 flood tide 16:02 - 20:02		**Post-Construction Monitoring** ebb tide 11:18 - 15:18 flood tide 05:34 - 09:34		**Post-Construction Monitoring** ebb tide 12:21 - 16:21 flood tide 06:59 - 10:59	
13/Nov	14/Nov	15/Nov	16/Nov	17/Nov	18/Nov	19/Nov
	Post-Construction Monitoring ebb tide 01:40 - 05:40 flood tide 09:00 - 13:00		**Post-Construction Monitoring** ebb tide 03:17 - 07:17 flood tide 15:48 - 19:48		**Post-Construction Monitoring** ebb tide 05:39 - 09:39 flood tide 13:50 - 17:50	
20/Nov	21/Nov	22/Nov	23/Nov	24/Nov	25/Nov	26/Nov
	Post-Construction Monitoring ebb tide 08:50 - 12:50 flood tide 14:55 - 18:55		**Post-Construction Monitoring** ebb tide 10:23 - 14:23 flood tide 15:49 - 19:49		**Post-Construction Monitoring** ebb tide 11:51 - 15:51 flood tide 06:15 - 10:15	
27/Nov	28/Nov	29/Nov	30/Nov	1/Dec	2/Dec	
	Post-Construction Monitoring ebb tide 01:18 - 05:18 flood tide 09:17 - 13:17		**Post-Construction Monitoring** ebb tide 03:17 - 07:17 flood tide 11:42 - 15:42		**Post-Construction Monitoring** ebb tide 05:48 - 09:48 flood tide 13:20 - 17:20	

ANNEX D

POST-CONSTRUCTION WATER QUALITY MONITORING RESULTS

Water Quality Monitoring Data Log Sheet **Date: 2022/11/07** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Cloudy	Moderate	19:52	12.3	S	0.2	352.0	22.3	22.3	32.6	32.6	8.2	8.2	93.0	93.0	6.7	6.7	6.7	2.7	2.6	4.7	3.0	2.9	3.5
						0.2	355.0	22.3		32.6		8.2		93.0		6.7			2.6			2.8		
					M	0.2	357.0	22.3	22.3	32.6	32.6	8.2	8.2	92.8	92.8	6.7	6.7		4.3	4.3		3.3	3.4	
						0.2	349.0	22.3		32.6		8.2		92.8		6.7			4.2			3.4		
					B	0.3	357.0	22.3	22.3	32.6	32.6	8.2	8.2	92.7	92.8	6.7	6.7	6.7	7.2	7.3		4.2	4.1	
						0.3	353.0	22.3		32.6		8.2		92.8		6.7			7.3			4.0		
E2	Cloudy	Moderate	18:36	9.4	S	0.2	265.0	22.6	22.6	35.3	35.3	8.2	8.2	99.2	99.1	7.0	7.0	6.9	2.2	2.2	10.5	7.3	7.6	9.3
						0.2	270.0	22.5		35.3		8.2		98.9		7.0			2.3			7.8		
					M	0.2	254.0	22.5	22.5	35.4	35.4	8.2	8.2	95.5	95.4	6.7	6.7		3.9	4.0		8.9	9.2	
						0.2	246.0	22.5		35.4		8.2		95.3		6.7			4.1			9.5		
					B	0.2	283.0	22.5	22.5	35.4	35.5	8.1	8.1	96.1	96.2	6.8	6.8	6.8	24.6	25.2		10.8	11.0	
						0.2	276.0	22.4		35.5		8.1		96.3		6.8			25.7			11.2		
E3	Cloudy	Moderate	17:38	15.7	S	0.6	301.0	22.5	22.5	35.4	35.4	8.2	8.2	95.2	95.2	6.7	6.7	6.7	10.7	10.8	13.9	3.8	4.1	4.9
						0.6	307.0	22.5		35.4		8.2		95.2		6.7			10.9			4.4		
					M	0.6	292.0	22.5	22.5	35.4	35.4	8.2	8.2	94.9	94.9	6.7	6.7		13.0	12.9		5.0	4.9	
						0.5	294.0	22.5		35.4		8.2		94.9		6.7			12.9			4.8		
					B	0.6	292.0	22.5	22.5	35.4	35.4	8.2	8.2	94.8	94.8	6.7	6.7	6.7	18.0	17.9		5.7	5.6	
						0.7	292.0	22.5		35.4		8.2		94.8		6.7			17.9			5.5		
E4	Cloudy	Moderate	16:39	10.3	S	0.1	36.0	22.5	22.5	35.4	35.4	8.2	8.2	94.7	94.7	6.7	6.7	6.7	14.5	14.5	19.1	26.4	26.6	25.1
						0.1	32.0	22.5		35.4		8.2		94.7		6.7			14.5			26.8		
					M	0.1	12.0	22.5	22.5	35.5	35.5	8.2	8.2	94.7	94.7	6.7	6.7		16.7	16.6		25.1	25.0	
						0.1	7.0	22.5		35.5		8.2		94.7		6.7			16.5			24.8		
					B	0.2	30.0	22.5	22.5	35.5	35.5	8.1	8.1	95.1	95.2	6.7	6.7	6.7	26.2	26.3		23.8	23.7	
						0.2	36.0	22.5		35.5		8.1		95.3		6.7			26.3			23.5		
E5	Rainy	Calm	16:15	6.3	S	0.4	220.4	23.0	23.0	33.4	33.4	7.9	7.9	90.3	90.4	6.4	6.4	6.4	14.1	13.9	14.9	17.8	18.0	18.9
						0.4	220.4	23.0		33.4		7.9		90.4		6.4			13.7			18.1		
					M	0.6	2.4	23.0	23.0	33.4	33.4	7.9	7.9	90.3	90.3	6.4	6.4		14.9	15.0		18.9	19.1	
						0.6	2.4	23.0		33.4		7.9		90.3		6.4			15.1			19.2		
					B	0.3	327.1	23.0	23.0	33.4	33.4	7.8	7.8	90.8	90.7	6.4	6.4	6.4	15.2	15.8		20.0	19.8	
						0.4	249.3	23.0		33.4		7.8		90.5		6.4			16.4			19.5		
E6	Rainy	Calm	17:25	6.5	S	1.0	338.8	23.1	23.1	32.7	32.6	7.9	7.9	88.1	88.2	6.2	6.3	6.2	17.1	16.4	21.7	17.5	17.7	26.8
						1.0	338.8	23.1		32.6		7.9		88.2		6.3			15.6			17.8		
					M	0.8	293.7	23.2	23.2	32.9	32.9	7.9	7.9	87.6	87.6	6.2	6.2		23.4	23.4		29.8	30.1	
						0.8	293.7	23.2		32.9		7.9		87.6		6.2			23.3			30.4		
					B	0.7	339.2	23.2	23.2	32.9	32.9	7.9	7.9	87.6	87.5	6.2	6.2	6.2	25.3	25.4		32.8	32.6	
						0.4	344.7	23.2		32.9		7.9		87.3		6.2			25.5			32.4		
E7A	Rainy	Calm	17:49	5.1	S	0.1	126.3	23.2	23.2	32.3	32.3	7.9	7.9	90.0	90.0	6.4	6.4	6.4	7.0	6.8	11.5	8.4	8.2	14.6
						1.4	88.3	23.2		32.3		7.9		89.9		6.4			6.5			7.9		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.9	37.1	23.3	23.3	33.0	33.0	7.9	7.9	88.9	88.8	6.3	6.3	6.3	16.6	16.3		20.9	21.0	
						0.8	214.4	23.3		33.0		7.9		88.6		6.3			16.0			21.1		
F1	Cloudy	Moderate	19:02	17.9	S	0.3	307.0	22.2	22.2	32.5	32.5	8.2	8.2	99.6	99.6	7.2	7.2	7.1	1.9	1.9	2.5	7.9	8.1	7.4
						0.3	308.0	22.2		32.5		8.2		99.6		7.2			1.9			8.2		
					M	0.3	322.0	22.2	22.2	32.6	32.6	8.2	8.2	97.1	97.1	7.0	7.0		2.1	2.1		7.7	7.5	
						0.3	316.0	22.2		32.6		8.2		97.1		7.0			2.1			7.2		
					B	0.3	293.0	22.2	22.2	32.6	32.6	8.2	8.2	96.0	96.0	6.9	6.9	6.9	3.4	3.4		6.8	6.7	
						0.3	299.0	22.2		32.6		8.2		96.0		6.9			3.4			6.6		
F2	Cloudy	Rough	18:36	22.7	S	0.3	307.0	21.9	21.9	32.2	32.2	8.3	8.3	100.1	100.1	7.3	7.3	7.1	2.4	2.4	4.4	6.9	6.7	7.4
						0.3	310.0	21.9		32.2		8.3		100.1		7.3			2.4			6.4		
					M	0.3	277.0	21.8	21.8	32.3	32.3	8.2	8.2	95.2	95.2	6.9	6.9		4.0	4.0		7.2	7.4	
						0.3	273.0	21.8		32.3		8.2		95.2		6.9			4.0			7.6		
					B	0.3	288.0	22.0	22.0	32.6	32.6	8.2	8.2	91.6	91.6	6.6	6.6	6.6	6.7	6.7		8.1	8.0	
						0.3	285.0	22.0		32.6		8.2		91.6		6.6			6.7			7.9		
F3	Cloudy	Rough	16:50	16.5	S	0.3	285.0	22.0	22.0	32.3	32.3	8.3	8.3	100.1	100.1	7.3	7.3	7.2	2.3	2.3	5.2	3.5	3.4	3.9
						0.2	279.0	22.0		32.3		8.3		100.1		7.3			2.3			3.2		
					M	0.2	286.0	21.9	21.9	32.4	32.4	8.2	8.2	98.2	98.2	7.1	7.1		4.7	4.8		3.9	4.0	
						0.2	290.0	21.9		32.4		8.2		98.1		7.1			4.8			4.1		
					B	0.2	280.0	21.9	21.9	32.4	32.4	8.2	8.2	94.8	94.8	6.9	6.9	6.9	8.6	8.6		4.3	4.5	
						0.2	273.0	21.9		32.4		8.2		94.8		6.9			8.6			4.6		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/07** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F4	Cloudy	Moderate	18:12	13.7	S	0.5	267.0	22.6	22.6	35.3	35.3	8.2	8.2	98.5	98.4	6.9	6.9	6.9	4.4	4.4	10.9	25.9	26.2	28.9
						0.5	265.0	22.6		35.3		8.2		98.3		6.9			4.5			26.4		
					M	0.5	262.0	22.5	22.5	35.3	35.3	8.2	8.2	96.7	96.6	6.8	6.8		5.9	6.0		29.6	29.4	
						0.5	263.0	22.5		35.3		8.2		96.5		6.8			6.0			29.1		
					B	0.5	268.0	22.5	22.5	35.3	35.3	8.2	8.2	95.3	95.2	6.7	6.7	6.7	22.2	22.2		31.5	31.3	
						0.6	274.0	22.5		35.4		8.2		95.1		6.7			22.2			31.1		
F5	Cloudy	Moderate	16:11	5.2	S	0.1	209.0	22.5	22.5	35.3	35.3	8.1	8.1	92.9	92.9	6.6	6.6	6.6	20.3	20.3	21.8	40.1	39.9	36.6
						0.1	209.0	22.5		35.3		8.1		92.9		6.6			20.3			39.7		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	202.0	22.5	22.5	35.4	35.4	8.1	8.1	92.9	92.9	6.6	6.6	6.6	23.2	23.3		33.0	33.3	
						0.1	207.0	22.5		35.4		8.1		92.9		6.6			23.4			33.5		
F6	Rainy	Calm	19:15	15.1	S	0.3	300.4	23.1	23.1	33.6	33.6	8.0	8.0	90.4	90.3	6.4	6.4	6.4	15.9	15.3	20.0	19.5	19.8	26.1
						0.3	300.4	23.1		33.6		8.0		90.2		6.4			14.7			20.0		
					M	0.7	312.1	23.1	23.1	33.6	33.6	8.0	8.0	89.9	90.0	6.3	6.3		20.7	20.0		28.3	28.0	
						0.5	14.0	23.1		33.6		8.0		90.0		6.4			19.3			27.7		
					B	0.5	353.2	23.1	23.1	33.6	33.6	8.0	8.0	89.8	89.8	6.3	6.3	6.3	24.2	24.7		30.7	30.4	
						0.4	231.6	23.1		33.6		8.0		89.8		6.3			25.2			30.1		
IM1	Cloudy	Moderate	19:16	12.3	S	0.1	4.0	22.2	22.2	32.6	32.6	8.2	8.2	96.4	96.4	7.0	7.0	6.9	2.9	3.0	5.8	4.0	4.2	5.1
						0.1	357.0	22.2		32.6		8.2		96.4		7.0			3.0			4.4		
					M	0.1	358.0	22.1	22.1	32.6	32.6	8.2	8.2	94.8	94.8	6.8	6.8		5.5	5.5		4.8	5.0	
						0.2	353.0	22.1		32.6		8.2		94.8		6.8			5.5			5.1		
					B	0.1	11.0	22.1	22.1	32.7	32.7	8.2	8.2	94.6	94.6	6.8	6.8	6.8	9.0	9.0		5.9	6.2	
						0.1	11.0	22.1		32.7		8.2		94.6		6.8			9.0			6.4		
IM2	Cloudy	Moderate	19:33	11.4	S	0.4	0.0	22.8	22.8	32.6	32.6	8.2	8.2	95.7	95.7	6.8	6.8	6.7	2.8	2.8	4.3	3.0	3.2	5.1
						0.4	357.0	22.8		32.6		8.2		95.7		6.8			2.8			3.4		
					M	0.3	5.0	22.3	22.3	32.6	32.6	8.2	8.2	92.7	92.7	6.7	6.7		3.6	3.6		5.2	5.4	
						0.3	2.0	22.3		32.6		8.2		92.7		6.7			3.6			5.6		
					B	0.4	1.0	22.3	22.3	32.6	32.6	8.2	8.2	93.3	93.3	6.7	6.7	6.7	6.5	6.5		6.4	6.6	
						0.4	357.0	22.3		32.6		8.2		93.3		6.7			6.5			6.7		
IM3	Cloudy	Moderate	18:15	14.5	S	0.2	252.0	22.1	22.1	32.6	32.6	8.2	8.2	96.5	96.5	7.0	7.0	6.9	4.1	4.0	7.1	6.2	6.5	5.8
						0.2	250.0	22.1		32.6		8.2		96.5		7.0			4.0			6.7		
					M	0.2	259.0	22.0	22.0	32.6	32.6	8.2	8.2	93.9	93.9	6.8	6.8		7.6	7.5		5.9	5.8	
						0.2	260.0	22.0		32.6		8.2		93.9		6.8			7.5			5.7		
					B	0.2	254.0	22.0	22.0	32.6	32.6	8.2	8.2	92.9	92.9	6.7	6.7	6.7	9.8	9.7		5.4	5.3	
						0.2	258.0	22.0		32.6		8.2		92.8		6.7			9.7			5.1		
IM4	Cloudy	Moderate	17:54	15.8	S	0.4	284.0	22.1	22.1	32.5	32.5	8.3	8.3	100.3	100.3	7.3	7.3	7.1	2.5	2.5	5.7	5.6	5.6	6.3
						0.4	279.0	22.1		32.5		8.3		100.3		7.3			2.5			5.6		
					M	0.4	281.0	22.0	22.0	32.6	32.6	8.2	8.2	95.2	95.3	6.9	6.9		6.2	6.2		6.5	6.5	
						0.4	288.0	22.0		32.6		8.2		95.3		6.9			6.2			6.4		
					B	0.4	296.0	22.0	22.0	32.6	32.6	8.2	8.2	94.1	94.1	6.8	6.8	6.8	8.4	8.5		7.0	6.8	
						0.4	297.0	22.0		32.6		8.2		94.0		6.8			8.5			6.6		
IM5	Cloudy	Rough	17:37	13.2	S	0.3	274.0	22.2	22.2	32.4	32.4	8.3	8.3	101.0	101.0	7.3	7.3	7.1	2.2	2.2	4.4	6.9	6.9	7.8
						0.2	278.0	22.2		32.4		8.3		101.0		7.3			2.2			6.8		
					M	0.2	300.0	22.0	22.0	32.5	32.5	8.2	8.2	95.3	95.3	6.9	6.9		3.9	3.8		7.6	7.7	
						0.3	305.0	22.0		32.5		8.2		95.3		6.9			3.8			7.8		
					B	0.3	282.0	22.0	22.0	32.5	32.5	8.2	8.2	93.2	93.2	6.7	6.7	6.7	7.1	7.1		8.9	8.8	
						0.3	277.0	22.0		32.5		8.2		93.2		6.7			7.1			8.6		
IM6	Cloudy	Rough	17:08	15.7	S	0.2	295.0	22.2	22.2	32.4	32.4	8.3	8.3	99.4	99.4	7.2	7.2	7.1	3.5	3.5	4.5	7.5	7.7	9.3
						0.2	297.0	22.2		32.4		8.3		99.4		7.2			3.5			7.8		
					M	0.2	275.0	22.0	22.0	32.5	32.5	8.2	8.2	96.0	96.0	7.0	7.0		4.8	4.9		9.2	9.0	
						0.2	278.0	22.0		32.5		8.2		96.0		7.0			4.9			8.8		
					B	0.2	261.0	22.0	22.0	32.5	32.5	8.2	8.2	95.7	95.7	6.9	6.9	6.9	5.1	5.1		11.1	11.4	
						0.2	256.0	22.0		32.5		8.2		95.7		6.9			5.1			11.6		
IM7	Cloudy	Rough	16:22	12.8	S	0.2	270.0	21.9	21.9	32.4	32.4	8.3	8.3	96.2	96.2	7.0	7.0	6.9	5.1	5.1	7.6	8.6	8.5	6.7
						0.2	265.0	21.9		32.4		8.3		96.1		7.0			5.1			8.4		
					M	0.2	272.0	21.9	21.9	32.4	32.4	8.2	8.2	95.3	95.3	6.9	6.9		7.9	7.9		6.3	6.4	
						0.1	275.0	21.9		32.4		8.2		95.3		6.9			7.9			6.5		
					B	0.2	288.0	21.9	21.9	32.4	32.4	8.2	8.2	95.1	95.1	6.9	6.9	6.9	9.7	9.7		5.0	5.2	
						0.2	293.0	21.9		32.4		8.2		95.1		6.9			9.8			5.4		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/07** **Tide: Flood 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
IM8	Cloudy	Rough	16:30	14.2	S	0.2	288.0	22.1	22.1	32.4	32.4	8.2	8.2	97.0	97.0	7.0	7.0	7.0	4.2	4.2	5.6	6.2	6.4	5.5
						0.2	291.0	22.1		32.4		8.2		97.0		7.0			4.2			6.5		
					M	0.2	275.0	22.0	22.0	32.5	32.5	8.2	8.2	95.6	95.6	6.9	6.9		5.2	5.2		5.8	5.6	
						0.3	280.0	22.0		32.5		8.2		95.6		6.9			5.2			5.3		
					B	0.3	288.0	22.0	22.0	32.5	32.5	8.2	8.2	94.6	94.6	6.9	6.9	6.9	7.4	7.4		4.5	4.7	
						0.3	292.0	22.0		32.5		8.2		94.6		6.9			7.5			4.8		
IM9	Cloudy	Rough	16:04	14.6	S	0.2	274.0	22.0	22.0	32.5	32.5	8.2	8.2	95.6	95.6	6.9	6.9	6.9	7.6	7.6	8.4	11.9	12.1	10.9
						0.1	272.0	22.0		32.5		8.2		95.6		6.9			7.6			12.2		
					M	0.1	263.0	22.0	22.0	32.5	32.5	8.2	8.2	95.1	95.1	6.9	6.9		8.3	8.3		11.0	10.8	
						0.1	262.0	22.0		32.5		8.2		95.1		6.9			8.3			10.6		
					B	0.1	289.0	22.0	22.0	32.5	32.5	8.2	8.2	95.1	95.1	6.9	6.9	6.9	9.4	9.5		10.1	10.0	
						0.1	289.0	22.0		32.5		8.2		95.1		6.9			9.5			9.8		
IM10	Cloudy	Moderate	17:26	10.8	S	0.4	237.0	22.5	22.5	35.4	35.4	8.2	8.2	94.5	94.5	6.7	6.7	6.7	10.8	11.1	17.1	15.1	14.9	18.0
						0.5	239.0	22.5		35.4		8.2		94.5		6.7			11.4			14.7		
					M	0.4	228.0	22.5	22.5	35.4	35.4	8.2	8.2	94.1	94.1	6.6	6.6		16.3	16.3		19.0	18.8	
						0.4	223.0	22.5		35.4		8.2		94.1		6.6			16.4			18.6		
					B	0.4	232.0	22.5	22.5	35.4	35.4	8.2	8.2	94.3	94.5	6.7	6.7	6.7	23.7	23.8		20.0	20.4	
						0.4	233.0	22.5		35.4		8.2		94.6		6.7			23.8			20.7		
IM11A	Cloudy	Moderate	17:17	4.8	S	0.7	315.0	22.5	22.5	35.4	35.4	8.2	8.2	94.3	94.3	6.7	6.7	6.7	24.0	23.9	30.1	37.0	37.3	49.5
						0.7	312.0	22.5		35.4		8.2		94.3		6.7			23.9			37.5		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.7	325.0	22.5	22.5	35.4	35.4	8.2	8.2	94.6	94.7	6.7	6.7	6.7	36.2	36.3		61.6	61.8	
						0.7	321.0	22.5		35.4		8.2		94.7		6.7			36.5			62.0		
IM12	Cloudy	Moderate	17:09	14.7	S	0.7	353.0	22.5	22.5	35.4	35.4	8.2	8.2	94.1	94.1	6.6	6.6	6.6	19.7	20.1	22.3	27.8	28.1	31.9
						0.6	352.0	22.5		35.4		8.2		94.1		6.6			20.5			28.3		
					M	0.7	335.0	22.5	22.5	35.4	35.4	8.2	8.2	93.8	93.8	6.6	6.6		21.2	21.5		29.6	29.5	
						0.7	339.0	22.5		35.4		8.2		93.8		6.6			21.8			29.3		
					B	0.7	349.0	22.5	22.5	35.5	35.5	8.1	8.1	94.1	94.1	6.6	6.6	6.6	25.3	25.3		38.4	38.2	
						0.7	343.0	22.5		35.5		8.1		94.1		6.6			25.4			37.9		
IM13	Cloudy	Moderate	16:53	15.8	S	0.2	359.0	22.5	22.5	35.4	35.4	8.2	8.2	94.8	94.8	6.7	6.7	6.7	9.7	9.8	20.6	17.2	17.0	16.3
						0.2	357.0	22.5		35.4		8.2		94.7		6.7			9.8			16.8		
					M	0.2	11.0	22.5	22.5	35.4	35.4	8.2	8.2	94.3	94.3	6.7	6.7		19.0	19.0		16.3	16.3	
						0.3	3.0	22.5		35.4		8.2		94.3		6.7			19.0			16.3		
					B	0.3	21.0	22.5	22.5	35.5	35.5	8.2	8.2	94.3	94.4	6.7	6.7	6.7	33.5	33.1		15.3	15.5	
						0.3	25.0	22.5		35.5		8.2		94.4		6.7			32.7			15.6		
IM14	Cloudy	Moderate	16:46	10.6	S	0.2	23.0	22.5	22.5	35.4	35.4	8.2	8.2	94.4	94.4	6.7	6.7	6.7	15.1	15.1	22.4	16.6	16.7	19.0
						0.2	23.0	22.5		35.4		8.2		94.4		6.7			15.2			16.8		
					M	0.3	24.0	22.5	22.5	35.4	35.4	8.2	8.2	94.4	94.4	6.7	6.7		24.5	24.3		18.6	18.3	
						0.3	26.0	22.5		35.4		8.2		94.4		6.7			24.1			18.0		
					B	0.2	42.0	22.5	22.5	35.5	35.4	8.2	8.2	94.4	94.5	6.7	6.7	6.7	28.2	27.6		22.4	22.1	
						0.2	36.0	22.5		35.4		8.2		94.5		6.7			27.1			21.8		
IM15	Rainy	Calm	16:03	7.9	S	1.1	257.8	23.0	23.0	33.4	33.4	7.9	7.9	90.2	90.3	6.4	6.4	6.4	18.6	17.8	21.1	22.8	23.1	27.1
						1.1	257.8	23.0		33.4		7.9		90.4		6.4			16.9			23.4		
					M	0.8	275.0	23.0	23.0	33.3	33.3	7.9	7.9	89.8	89.8	6.4	6.4		23.7	22.5		27.6	27.7	
						0.8	275.0	23.0		33.3		7.9		89.7		6.4			21.2			27.7		
					B	0.1	103.9	23.0	23.0	33.4	33.4	8.0	8.0	91.1	90.4	6.5	6.4	6.4	23.2	23.0		30.1	30.5	
						1.0	276.6	23.0		33.4		8.0		89.6		6.4			22.7			30.8		
IM16A	Rainy	Calm	16:28	7.8	S	0.8	279.8	23.1	23.1	33.2	33.2	7.9	7.9	89.7	89.8	6.3	6.3	6.3	14.0	14.6	14.7	17.6	17.4	19.2
						0.8	279.8	23.1		33.2		7.9		89.8		6.4			15.2			17.1		
					M	0.6	144.6	23.1	23.1	33.2	33.2	7.9	7.9	89.5	89.5	6.3	6.3		14.4	14.2		18.6	18.9	
						0.6	144.6	23.1		33.2		7.9		89.5		6.3			14.0			19.2		
					B	0.8	280.2	23.1	23.1	33.2	33.2	7.9	7.9	89.5	89.6	6.3	6.3	6.3	15.7	15.3		21.6	21.4	
						0.8	280.2	23.1		33.2		7.9		89.7		6.3			14.8			21.2		
IM17	Rainy	Calm	16:48	5.3	S	1.3	278.7	22.9	22.9	32.5	32.5	7.9	7.9	90.1	90.3	6.4	6.4	6.4	10.8	10.4	17.8	12.6	12.6	18.0
						1.3	278.7	22.9		32.5		7.9		90.4		6.4			9.9			12.5		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.8	269.1	23.2	23.2	33.2	33.2	7.9	7.9	87.7	87.8	6.2	6.2	6.2	26.7	25.2		23.2	23.5	
						0.1	291.3	23.2		33.2		7.9		87.8		6.2			23.6			23.8		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/07** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM18	Rainy	Calm	17:01	17.2	S	1.1	288.6	23.3	23.3	32.5	32.5	7.9	7.9	90.2	90.2	6.4	6.4	6.3	7.2	7.1	9.5	10.3	10.1	13.1
						1.1	288.6	23.3		32.5		7.9		90.2		6.4			7.0			9.9		
					M	0.3	51.5	23.2	23.2	33.0	33.0	7.9	7.9	88.4	88.5	6.2	6.2		9.9	10.0		12.2	12.5	
						0.6	325.6	23.2		33.0		7.9		88.5		6.3			10.1			12.7		
					B	0.3	325.1	23.2	23.2	33.1	33.1	7.9	7.9	88.0	88.0	6.2	6.2	6.2	11.5	11.5		16.4	16.7	
						0.4	281.5	23.2		33.1		7.9		87.9		6.2			11.5			17.0		
IM19	Rainy	Calm	18:39	18.6	S	1.3	348.1	23.2	23.2	33.6	33.6	7.9	7.9	90.0	90.0	6.3	6.3	6.3	18.3	17.6	27.6	27.2	27.0	35.4
						1.3	348.1	23.2		33.6		8.0		89.9		6.3			16.9			26.8		
					M	1.5	332.4	23.2	23.2	33.6	33.6	7.9	7.9	89.3	89.4	6.3	6.3		28.0	28.1		28.6	28.9	
						1.5	333.2	23.2		33.6		7.9		89.4		6.3			28.2			29.1		
					B	0.6	359.0	23.2	23.2	33.6	33.6	7.9	8.0	88.8	88.7	6.3	6.2	6.2	35.4	37.1		50.6	50.3	
						0.5	314.8	23.2		33.6		8.0		88.6		6.2			38.8			50.0		
IM20A	Rainy	Calm	18:06	6.6	S	1.0	35.8	23.3	23.3	33.2	33.2	7.9	7.9	89.6	89.5	6.3	6.3	6.3	11.3	11.1	15.6	17.0	17.1	21.4
						1.0	35.8	23.3		33.2		7.9		89.4		6.3			10.8			17.2		
					M	1.3	45.2	23.3	23.3	33.2	33.2	7.9	7.9	89.5	89.5	6.3	6.3		17.0	15.9		21.5	21.9	
						1.3	45.2	23.3		33.2		7.9		89.4		6.3			14.8			22.2		
					B	1.0	43.7	23.3	23.3	33.2	33.2	7.9	7.9	89.5	89.4	6.3	6.3	6.3	20.5	19.9		24.8	25.1	
						0.7	351.3	23.3		33.2		7.9		89.3		6.3			19.2			25.4		
IM21A	Rainy	Calm	18:14	6.9	S	0.5	60.3	24.3	24.4	33.4	33.4	8.0	8.0	92.8	93.0	6.4	6.4	6.4	17.0	17.0	17.5	23.8	23.5	25.2
						0.5	60.3	24.5		33.4		8.0		93.2		6.4			16.9			23.2		
					M	0.4	31.7	23.9	24.0	33.5	33.5	8.0	8.0	91.5	91.5	6.4	6.4		17.6	17.1		24.3	24.6	
						0.5	65.6	24.0		33.5		8.0		91.5		6.4			16.6			24.8		
					B	0.5	80.7	23.8	23.8	33.5	33.5	7.9	7.9	91.3	91.1	6.4	6.4	6.4	18.7	18.4		27.3	27.6	
						0.2	23.7	23.8		33.5		7.9		90.8		6.3			18.0			27.9		
IM22A	Rainy	Calm	18:20	5.3	S	0.8	161.1	23.4	23.4	33.5	33.4	7.9	7.9	89.6	89.6	6.3	6.3	6.3	13.9	13.0	15.2	16.3	16.2	19.4
						0.8	161.1	23.4		33.4		7.9		89.6		6.3			12.1			16.0		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.2	147.1	23.4	23.4	33.5	33.5	7.9	7.9	89.5	89.4	6.3	6.3	6.3	17.9	17.4		22.4	22.7	
						0.2	217.0	23.4		33.5		7.9		89.3		6.3			16.8			22.9		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/07** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Cloudy	Calm	10:06	12.5	S	0.1	104.0	22.2	22.2	32.2	32.2	8.1	8.1	94.1	94.1	6.8	6.8	6.8	4.8	4.8	5.8	7.4	7.2	6.2
						0.1	104.0	22.2		32.2		8.1		94.1		6.8			4.9			7.0		
					M	0.1	131.0	22.2	22.2	32.1	32.1	8.1	8.1	93.6	93.6	6.8	6.8		5.8	5.8		6.4	6.6	
						0.1	124.0	22.2		32.1		8.1		93.6		6.8			5.8			6.8		
					B	0.1	102.0	22.2	22.2	32.1	32.0	8.1	8.1	93.5	93.5	6.8	6.8	6.8	6.7	6.7		4.7	4.9	
						0.2	101.0	22.2		32.0		8.1		93.5		6.8			6.7			5.0		
E2	Cloudy	Moderate	10:06	9.3	S	0.1	77.0	22.5	22.5	35.3	35.3	8.1	8.1	97.0	97.0	6.9	6.9	6.8	6.7	6.8	9.1	10.2	10.6	13.1
						0.1	72.0	22.5		35.3		8.1		96.9		6.9			6.9			11.0		
					M	0.1	69.0	22.4	22.4	35.3	35.3	8.1	8.1	96.4	96.4	6.8	6.8		10.8	10.8		11.9	12.2	
						0.1	70.0	22.4		35.3		8.1		96.4		6.8			10.8			12.5		
					B	0.1	77.0	22.4	22.4	35.4	35.4	8.0	8.0	96.3	96.3	6.8	6.8	6.8	9.6	9.6		16.6	16.4	
						0.1	72.0	22.4		35.4		8.0		96.3		6.8			9.6			16.1		
E3	Cloudy	Moderate	11:08	16.6	S	0.3	117.0	22.4	22.4	35.2	35.2	8.2	8.2	97.7	97.7	6.9	6.9	6.9	4.8	4.8	8.7	6.9	7.2	9.6
						0.3	111.0	22.4		35.2		8.2		97.7		6.9			4.8			7.4		
					M	0.3	130.0	22.4	22.4	35.3	35.3	8.2	8.2	96.1	96.1	6.8	6.8		7.1	7.2		9.0	9.3	
						0.3	125.0	22.4		35.3		8.2		96.0		6.8			7.3			9.6		
					B	0.3	113.0	22.4	22.4	35.3	35.3	8.2	8.2	95.7	95.7	6.8	6.8	6.8	14.2	14.2		12.1	12.5	
						0.3	120.0	22.4		35.3		8.2		95.7		6.8			14.3			12.8		
E4	Cloudy	Moderate	12:39	11.2	S	0.5	214.0	22.6	22.6	35.4	35.4	8.2	8.2	95.3	95.3	6.7	6.7	6.7	7.6	7.6	21.0	12.9	12.8	30.9
						0.5	220.0	22.6		35.4		8.2		95.2		6.7			7.6			12.6		
					M	0.6	222.0	22.5	22.5	35.4	35.4	8.2	8.2	93.8	93.8	6.6	6.6		24.1	23.0		30.6	27.8	
						0.6	220.0	22.5		35.4		8.2		93.8		6.6			22.0			24.9		
					B	0.6	215.0	22.5	22.5	35.4	35.4	8.1	8.1	93.7	93.8	6.6	6.6	6.6	32.0	32.4		38.1	52.1	
						0.6	208.0	22.5		35.4		8.1		93.8		6.6			32.8			66.0		
E5	Cloudy	Calm	13:26	6.6	S	0.6	185.5	22.7	22.7	33.4	33.4	8.1	8.1	93.4	93.4	6.7	6.6	6.6	27.4	28.0	38.9	29.1	29.1	45.7
						0.6	185.5	22.7		33.4		8.1		93.3		6.6			28.6			29.0		
					M	0.3	5.6	22.6	22.6	33.4	33.4	8.1	8.1	93.1	93.1	6.6	6.6		37.1	37.3		47.6	47.3	
						0.7	169.7	22.6		33.4		8.1		93.1		6.6			37.4			46.9		
					B	0.5	335.9	22.6	22.6	33.5	33.5	8.1	8.1	93.0	93.1	6.6	6.6	6.6	52.1	51.4		60.4	60.7	
						0.3	126.1	22.6		33.5		8.1		93.1		6.6			50.6			61.0		
E6	Cloudy	Calm	11:04	7.0	S	1.0	156.5	23.1	23.1	33.0	33.0	8.0	8.0	89.0	89.0	6.3	6.3	6.3	6.9	6.8	7.0	8.4	8.3	9.3
						1.0	156.5	23.1		33.0		8.0		89.0		6.3			6.7			8.2		
					M	0.4	219.9	23.1	23.1	33.2	33.2	8.0	8.0	88.6	88.7	6.3	6.3		7.0	7.0		9.5	9.4	
						0.9	124.1	23.1		33.2		8.0		88.7		6.3			7.0			9.3		
					B	0.9	138.3	23.3	23.2	33.5	33.4	7.9	8.0	88.6	88.6	6.2	6.2	6.2	7.3	7.3		10.4	10.2	
						0.9	138.3	23.2		33.4		8.0		88.5		6.2			7.3			10.0		
E7A	Cloudy	Calm	10:45	6.0	S	1.9	215.2	23.2	23.2	33.1	33.1	8.0	8.0	88.9	88.8	6.3	6.3	6.3	5.3	5.4	5.5	7.8	7.9	7.2
						1.9	215.2	23.2		33.1		8.0		88.7		6.3			5.5			7.9		
					M	0.3	178.8	23.3	23.3	33.4	33.4	8.0	8.0	89.6	89.6	6.3	6.3		5.6	5.6		7.1	7.3	
						0.2	159.7	23.3		33.4		8.0		89.5		6.3			5.5			7.4		
					B	0.2	108.2	23.2	23.2	33.4	33.5	7.9	7.9	89.8	89.8	6.3	6.3	6.3	5.2	5.5		6.4	6.6	
						0.2	305.6	23.2		33.5		8.0		89.8		6.3			5.7			6.8		
F1	Cloudy	Calm	11:02	18.2	S	0.1	119.0	21.7	21.7	32.3	32.3	8.2	8.2	98.0	98.0	7.1	7.1	7.1	2.0	2.0	2.6	6.4	6.3	5.6
						0.1	113.0	21.7		32.3		8.2		98.0		7.1			2.1			6.1		
					M	0.2	147.0	21.7	21.7	32.3	32.3	8.2	8.2	97.5	97.5	7.1	7.1		2.2	2.2		5.8	5.7	
						0.2	141.0	21.7		32.3		8.2		97.5		7.1			2.2			5.6		
					B	0.1	137.0	22.0	22.0	32.5	32.5	8.2	8.2	91.9	91.9	6.7	6.7	6.7	3.5	3.5		5.1	5.0	
						0.1	136.0	22.0		32.5		8.2		91.9		6.7			3.6			4.8		
F2	Cloudy	Moderate	11:32	23.8	S	0.1	136.0	21.7	21.7	32.3	32.3	8.3	8.3	97.7	97.7	7.1	7.1	7.1	3.3	3.3	4.1	6.6	6.4	5.3
						0.1	134.0	21.7		32.3		8.3		97.7		7.1			3.3			6.2		
					M	0.1	115.0	21.7	21.7	32.3	32.3	8.3	8.3	96.8	96.8	7.1	7.1		3.5	3.5		5.0	5.1	
						0.1	113.0	21.7		32.3		8.3		96.8		7.1			3.5			5.2		
					B	0.1	116.0	22.0	22.0	32.5	32.5	8.2	8.2	93.0	93.0	6.7	6.7	6.7	5.5	5.5		4.6	4.5	
						0.1	113.0	22.0		32.5		8.2		93.0		6.7			5.5			4.4		
F3	Cloudy	Rough	12:56	17.2	S	0.2	127.0	21.9	21.9	32.3	32.3	8.3	8.3	99.3	99.3	7.2	7.2	7.1	2.4	2.4	4.0	6.7	6.8	7.6
						0.2	132.0	21.9		32.3		8.3		99.3		7.2			2.4			6.8		
					M	0.1	143.0	21.8	21.8	32.4	32.4	8.3	8.3	96.0	96.0	7.0	7.0		3.3	3.3		7.5	7.7	
						0.1	140.0	21.8		32.4		8.3		96.0		7.0			3.3			7.9		
					B	0.2	114.0	21.9	21.9	32.4	32.4	8.3	8.3	95.3	95.3	6.9	6.9	6.9	6.2	6.2		8.1	8.3	
						0.2	117.0	21.9		32.4		8.3		95.3		6.9			6.2			8.5		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/07** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F4	Cloudy	Moderate	10:32	14.0	S	0.1	93.0	22.3	22.3	35.1	35.1	8.2	8.2	99.8	99.7	7.1	7.1	7.0	1.6	1.6	5.2	2.6	2.8	3.7
						0.1	99.0	22.3		35.1		8.2		99.6		7.1			1.6			2.9		
					M	0.1	113.0	22.4	22.4	35.3	35.3	8.2	8.2	96.9	96.9	6.9	6.8		3.8	3.8		3.2	3.4	
						0.1	116.0	22.4		35.3		8.2		96.9		6.8			3.8			3.6		
					B	0.1	81.0	22.4	22.4	35.4	35.4	8.2	8.2	96.2	96.2	6.8	6.8	6.8	10.0	10.1		4.7	5.0	
						0.1	86.0	22.4		35.4		8.2		96.2		6.8			10.3			5.2		
F5	Cloudy	Moderate	13:16	5.6	S	0.3	220.0	22.5	22.5	35.5	35.5	8.1	8.1	94.6	94.6	6.7	6.7	6.7	12.4	12.5	16.6	20.4	20.2	20.6
						0.4	223.0	22.5		35.5		8.1		94.6		6.7			12.6			20.0		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	226.0	22.5	22.5	35.5	35.5	8.1	8.1	95.1	95.2	6.7	6.7	6.7	19.8	20.7		21.2	21.1	
						0.3	220.0	22.5		35.5		8.1		95.3		6.7			21.6			20.9		
F6	Cloudy	Calm	12:36	14.5	S	0.8	141.4	23.1	23.1	33.5	33.5	8.1	8.1	89.4	89.4	6.3	6.3	6.3	4.8	4.8	21.8	6.1	5.9	18.1
						0.8	141.4	23.1		33.5		8.1		89.3		6.3			4.7			5.7		
					M	0.4	63.2	23.0	23.0	33.6	33.6	8.1	8.1	89.1	89.1	6.3	6.3		6.0	6.0		7.5	7.2	
						0.6	125.7	23.1		33.6		8.1		89.1		6.3			5.9			6.9		
					B	0.4	61.5	22.8	22.8	33.7	33.7	8.0	8.0	89.7	89.6	6.4	6.4	6.4	53.6	54.8		41.3	41.1	
						0.4	102.1	22.8		33.7		8.1		89.5		6.3			55.9			40.8		
IM1	Cloudy	Calm	10:46	10.5	S	0.1	147.0	21.9	21.9	32.5	32.5	8.2	8.2	96.1	96.1	7.0	7.0	6.9	4.2	4.2	6.2	7.6	7.5	7.0
						0.2	140.0	21.9		32.5		8.2		96.1		7.0			4.2			7.4		
					M	0.2	146.0	21.9	21.9	32.5	32.5	8.2	8.2	95.3	95.3	6.9	6.9		5.1	5.1		6.8	7.0	
						0.1	152.0	21.9		32.5		8.2		95.3		6.9			5.1			7.1		
					B	0.1	167.0	21.9	21.9	32.5	32.5	8.2	8.2	94.9	94.9	6.9	6.9	6.9	9.3	9.2		6.2	6.4	
						0.1	163.0	21.9		32.5		8.2		94.9		6.9			9.2			6.6		
IM2	Cloudy	Calm	10:27	12.7	S	0.1	111.0	22.0	22.0	32.5	32.5	8.2	8.2	95.4	95.4	6.9	6.9	6.9	3.7	3.7	4.9	5.9	5.6	6.6
						0.1	114.0	22.0		32.5		8.2		95.4		6.9			3.7			5.3		
					M	0.0	105.0	22.0	22.0	32.6	32.6	8.2	8.2	94.5	94.5	6.8	6.8		4.1	4.1		6.9	6.8	
						0.1	108.0	22.0		32.6		8.2		94.5		6.8			4.1			6.6		
					B	0.1	115.0	22.1	22.1	32.6	32.6	8.2	8.2	93.8	93.8	6.8	6.8	6.8	7.0	7.0		7.8	7.5	
						0.1	118.0	22.1		32.6		8.2		93.8		6.8			7.0			7.2		
IM3	Cloudy	Moderate	11:56	13.5	S	0.1	90.0	22.1	22.1	32.6	32.6	8.2	8.2	95.8	95.8	6.9	6.9	6.9	3.8	3.8	4.2	5.7	5.8	6.5
						0.1	86.0	22.1		32.6		8.2		95.8		6.9			3.8			5.9		
					M	0.1	75.0	22.0	22.0	32.6	32.6	8.2	8.2	95.2	95.2	6.9	6.9		3.9	3.9		6.2	6.4	
						0.1	80.0	22.0		32.6		8.2		95.1		6.9			3.9			6.5		
					B	0.2	73.0	22.0	22.0	32.7	32.7	8.2	8.2	94.1	94.1	6.8	6.8	6.8	4.8	4.8		7.2	7.4	
						0.1	73.0	22.0		32.7		8.2		94.1		6.8			4.8			7.6		
IM4	Cloudy	Moderate	12:17	16.1	S	0.2	134.0	22.0	22.0	32.5	32.5	8.3	8.3	98.6	98.6	7.2	7.1	7.1	2.6	2.6	4.3	4.7	4.9	4.4
						0.2	139.0	22.0		32.5		8.3		98.6		7.1			2.6			5.1		
					M	0.2	114.0	21.9	21.9	32.5	32.5	8.2	8.2	96.6	96.6	7.0	7.0		2.9	2.9		4.2	4.4	
						0.3	114.0	21.9		32.5		8.2		96.6		7.0			2.9			4.6		
					B	0.2	146.0	22.0	22.0	32.6	32.6	8.2	8.2	94.9	94.9	6.9	6.9	6.9	7.5	7.5		3.8	4.0	
						0.2	144.0	22.0		32.6		8.2		94.9		6.9			7.5			4.1		
IM5	Cloudy	Rough	12:36	14.4	S	0.1	108.0	22.1	22.1	32.4	32.4	8.2	8.2	98.5	98.5	7.1	7.1	7.0	3.1	3.1	5.2	5.0	4.7	5.5
						0.2	108.0	22.1		32.4		8.2		98.5		7.1			3.1			4.4		
					M	0.1	92.0	21.9	21.9	32.5	32.5	8.2	8.2	96.0	96.0	7.0	7.0		3.9	3.9		5.2	5.5	
						0.1	90.0	21.9		32.5		8.2		96.0		7.0			3.9			5.7		
					B	0.1	93.0	21.9	21.9	32.5	32.5	8.2	8.2	94.9	94.9	6.9	6.9	6.9	8.7	8.6		6.1	6.4	
						0.1	89.0	21.9		32.5		8.2		94.9		6.9			8.6			6.6		
IM6	Cloudy	Rough	12:48	16.9	S	0.2	122.0	22.0	22.0	32.4	32.4	8.3	8.3	98.2	98.2	7.1	7.1	7.0	2.6	2.6	5.6	7.2	7.1	6.5
						0.2	127.0	22.0		32.4		8.3		98.2		7.1			2.6			6.9		
					M	0.1	115.0	21.9	21.9	32.4	32.4	8.3	8.3	95.6	95.6	6.9	6.9		5.0	5.0		6.4	6.6	
						0.1	121.0	21.9		32.4		8.3		95.6		6.9			5.0			6.7		
					B	0.2	146.0	21.9	21.9	32.4	32.4	8.3	8.3	95.7	95.7	6.9	6.9	6.9	9.1	9.2		5.8	6.0	
						0.2	149.0	21.9		32.4		8.3		95.7		7.0			9.2			6.2		
IM7	Cloudy	Rough	13:16	13.1	S	0.2	90.0	22.1	22.1	32.5	32.5	8.2	8.2	97.7	97.7	7.1	7.1	7.0	3.7	3.7	5.3	6.4	6.6	7.7
						0.1	88.0	22.1		32.5		8.2		97.7		7.1			3.7			6.8		
					M	0.1	118.0	21.9	21.9	32.5	32.5	8.2	8.2	95.7	95.7	6.9	6.9		3.9	3.9		7.6	7.8	
						0.1	123.0	21.9		32.5		8.2		95.7		6.9			4.0			7.9		
					B	0.1	99.0	21.9	21.9	32.5	32.5	8.2	8.2	95.0	95.0	6.9	6.9	6.9	8.3	8.3		9.0	8.9	
						0.1	92.0	21.9		32.5		8.2		95.0		6.9			8.3			8.7		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/07** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM8	Cloudy	Rough	13:24	12.6	S	0.1	109.0	22.0	22.0	32.5	32.5	8.2	8.2	97.0	97.0	7.0	7.0	7.0	4.3	4.3	5.9	8.0	7.9	8.4
						0.1	110.0	22.0		32.5		8.2		97.0		7.0			4.3			7.8		
					M	0.1	105.0	22.0	22.0	32.5	32.5	8.2	8.2	96.1	96.1	7.0	7.0		6.2	6.2		8.2	8.4	
						0.1	101.0	22.0		32.5		8.2		96.1		7.0			6.2			8.5		
					B	0.1	95.0	21.9	21.9	32.5	32.5	8.2	8.2	95.9	95.9	7.0	7.0	7.0	7.1	7.1		8.7	8.9	
						0.1	99.0	21.9		32.5		8.2		95.9		7.0			7.2			9.1		
IM9	Cloudy	Rough	13:46	13.7	S	0.3	134.0	22.0	22.0	32.6	32.6	8.2	8.2	96.4	96.4	7.0	7.0	7.0	6.5	6.4	8.7	9.3	9.5	9.9
						0.3	138.0	22.0		32.6		8.2		96.4		7.0			6.4			9.6		
					M	0.3	135.0	22.0	22.0	32.6	32.6	8.2	8.2	95.7	95.7	6.9	6.9		9.5	9.5		10.0	9.9	
						0.2	131.0	22.0		32.6		8.2		95.7		6.9			9.5			9.7		
					B	0.3	155.0	22.0	22.0	32.5	32.5	8.2	8.2	95.6	95.6	6.9	6.9	6.9	10.1	10.2		10.3	10.3	
						0.2	153.0	22.0		32.5		8.2		95.6		6.9			10.2			10.2		
IM10	Rainy	Moderate	11:25	11.5	S	0.2	57.0	22.5	22.5	35.4	35.4	8.2	8.2	96.3	96.2	6.8	6.8	6.7	6.4	6.5	14.3	9.4	9.2	10.9
						0.1	54.0	22.5		35.4		8.2		96.1		6.8			6.7			9.0		
					M	0.2	28.0	22.5	22.5	35.4	35.4	8.1	8.1	94.6	94.6	6.7	6.7		13.7	14.1		10.6	10.6	
						0.2	28.0	22.5		35.4		8.1		94.6		6.7			14.4			10.5		
					B	0.2	69.0	22.5	22.5	35.4	35.4	8.1	8.1	94.5	94.5	6.7	6.7	6.7	21.3	22.4		12.8	13.0	
						0.1	75.0	22.5		35.4		8.1		94.5		6.7			23.5			13.1		
IM11A	Rainy	Moderate	11:40	5.3	S	0.5	134.0	22.4	22.4	35.4	35.4	8.2	8.2	94.0	94.1	6.7	6.7	6.7	29.2	26.4	30.7	47.8	48.2	50.4
						0.5	138.0	22.4		35.4		8.2		94.1		6.7			23.5			48.5		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.5	159.0	22.4	22.4	35.4	35.4	8.2	8.2	94.3	94.3	6.7	6.7	6.7	33.1	35.0		53.0	52.6	
						0.5	157.0	22.4		35.4		8.2		94.3		6.7			36.9			52.1		
IM12	Rainy	Moderate	11:50	14.5	S	0.6	160.0	22.4	22.4	35.4	35.4	8.2	8.2	94.8	94.8	6.7	6.7	6.7	13.0	13.1	28.3	14.2	13.6	32.8
						0.6	166.0	22.4		35.4		8.2		94.7		6.7			13.2			13.0		
					M	0.6	139.0	22.4	22.4	35.4	35.4	8.2	8.2	94.1	94.1	6.7	6.6		25.5	23.6		25.2	31.2	
						0.5	144.0	22.4		35.4		8.2		94.1		6.6			21.6			37.2		
					B	0.6	160.0	22.4	22.4	35.4	35.4	8.1	8.1	94.6	94.8	6.7	6.7	6.7	47.8	48.1		59.4	53.5	
						0.6	166.0	22.4		35.4		8.1		94.9		6.7			48.4			47.5		
IM13	Cloudy	Moderate	12:16	16.5	S	0.6	203.0	22.5	22.5	35.4	35.4	8.2	8.2	95.5	95.5	6.7	6.7	6.7	6.9	6.9	19.4	12.8	12.7	15.3
						0.5	209.0	22.5		35.4		8.2		95.5		6.7			6.9			12.6		
					M	0.6	195.0	22.5	22.5	35.4	35.4	8.2	8.2	94.5	94.5	6.7	6.7		9.3	9.3		13.4	13.3	
						0.6	196.0	22.5		35.4		8.2		94.5		6.7			9.4			13.2		
					B	0.5	187.0	22.5	22.5	35.5	35.5	8.1	8.1	94.0	94.1	6.6	6.6	6.6	42.0	41.9		25.7	19.8	
						0.5	183.0	22.5		35.5		8.1		94.1		6.6			41.8			13.8		
IM14	Cloudy	Moderate	12:25	10.5	S	0.5	208.0	22.5	22.5	35.1	35.0	8.2	8.2	96.2	96.0	6.8	6.9	6.7	76.7	47.4	43.8	15.4	17.7	68.7
						0.5	209.0	22.5		34.9		8.2		95.8		7.0			18.2			19.9		
					M	0.6	197.0	22.5	22.5	35.4	35.4	8.2	8.2	93.5	93.6	6.6	6.6		18.5	18.7		27.5	49.9	
						0.6	198.0	22.5		35.4		8.2		93.6		6.6			18.9			72.2		
					B	0.6	200.0	22.5	22.5	35.4	35.4	8.2	8.2	93.6	93.7	6.6	6.6	6.6	65.1	65.3		156.0	138.5	
						0.5	201.0	22.5		35.4		8.2		93.7		6.6			65.5			121.0		
IM15	Cloudy	Calm	13:41	7.9	S	0.8	207.9	22.7	22.7	33.7	33.7	8.1	8.1	92.9	93.2	6.6	6.6	6.6	19.5	19.7	22.8	22.0	21.8	24.3
						0.8	207.9	22.7		33.7		8.1		93.4		6.6			19.8			21.6		
					M	1.0	224.6	22.7	22.7	33.7	33.7	8.1	8.1	93.0	92.8	6.6	6.6		21.8	21.3		24.6	24.9	
						0.7	241.5	22.7		33.7		8.1		92.5		6.6			20.7			25.1		
					B	0.2	175.6	22.7	22.7	33.7	33.7	8.1	8.1	94.2	94.0	6.7	6.7	6.7	27.6	27.5		26.2	26.2	
						0.6	179.3	22.7		33.7		8.1		93.7		6.7			27.4			26.1		
IM16A	Cloudy	Calm	13:12	7.3	S	0.6	233.1	22.8	22.8	33.6	33.6	8.1	8.1	92.7	92.7	6.6	6.6	6.6	17.5	17.5	24.0	21.2	21.4	26.8
						0.6	233.1	22.8		33.6		8.1		92.7		6.6			17.5			21.6		
					M	0.8	198.8	22.7	22.7	33.6	33.6	8.1	8.1	92.3	92.2	6.6	6.5		25.1	25.5		29.2	29.0	
						0.8	198.8	22.7		33.6		8.1		92.1		6.5			25.9			28.7		
					B	0.4	342.0	22.7	22.7	33.6	33.6	8.0	8.1	92.1	92.1	6.5	6.5	6.5	29.5	28.9		30.4	30.2	
						0.2	268.4	22.7		33.6		8.1		92.0		6.5			28.2			29.9		
IM17	Cloudy	Calm	12:01	5.9	S	0.8	117.8	23.0	23.0	33.4	33.4	8.1	8.1	90.3	90.3	6.4	6.4	6.4	10.4	10.2	14.7	12.7	13.0	18.2
						0.8	117.8	23.0		33.4		8.1		90.3		6.4			10.0			13.3		
					M	0.8	159.7	22.9	22.9	33.5	33.5	8.1	8.1	90.5	90.4	6.4	6.4		15.4	14.9		20.6	20.3	
						0.4	173.9	22.9		33.5		8.1		90.2		6.4			14.4			19.9		
					B	0.5	177.0	22.9	22.9	33.6	33.5	8.0	8.0	90.5	90.5	6.4	6.4	6.4	19.4	19.1		21.4	21.2	
						0.4	107.4	22.9		33.5		8.0		90.5		6.4			18.7			21.0		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/07** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM18	Cloudy	Calm	12:13	17.7	S	0.5	135.4	23.1	23.1	33.2	33.2	8.1	8.1	90.3	90.4	6.4	6.4	6.3	5.7	5.7	12.0	6.2	6.5	12.5
						0.5	135.4	23.1		33.2		8.1		90.5		6.4			5.7			6.7		
					M	0.3	134.0	23.2	23.2	33.6	33.6	8.1	8.1	89.1	89.0	6.3	6.3		7.8	7.4		8.2	8.1	
						0.3	134.0	23.2		33.6		8.1		88.9		6.3			7.0			7.9		
					B	0.8	228.2	23.2	23.2	33.7	33.7	8.1	8.1	89.6	89.6	6.3	6.3	6.3	22.8	22.8		22.8	23.1	
						0.4	124.4	23.2		33.7		8.1		89.6		6.3			22.8			23.3		
IM19	Cloudy	Calm	11:24	18.5	S	0.4	154.3	23.4	23.4	33.5	33.5	8.1	8.1	90.5	90.6	6.4	6.4	6.3	5.6	5.3	15.9	7.0	7.3	18.4
						0.4	154.3	23.4		33.5		8.1		90.7		6.4			5.0			7.5		
					M	0.7	193.1	23.4	23.4	33.6	33.6	8.0	8.0	89.4	89.4	6.3	6.3		14.9	15.4		19.3	19.6	
						0.6	224.9	23.4		33.6		8.1		89.3		6.3			15.9			19.9		
					B	0.2	72.1	23.3	23.3	33.7	33.7	8.0	8.0	89.2	89.2	6.3	6.3	6.3	26.9	26.9		24.9	28.3	
						0.7	310.8	23.3		33.7		8.0		89.1		6.3			26.9			31.7		
IM20A	Cloudy	Calm	10:18	7.3	S	0.7	205.1	23.3	23.3	33.3	33.3	8.0	8.0	90.3	90.3	6.4	6.4	6.4	4.8	4.9	5.3	6.0	6.2	7.5
						0.7	205.1	23.3		33.3		8.0		90.3		6.4			5.0			6.4		
					M	0.4	222.4	23.3	23.3	33.4	33.4	7.9	7.9	90.1	90.1	6.3	6.3		5.0	5.1		7.0	7.2	
						0.4	222.4	23.3		33.4		7.9		90.1		6.3			5.2			7.4		
					B	0.9	221.2	23.3	23.3	33.5	33.5	7.9	7.9	90.1	90.1	6.3	6.3	6.3	5.8	5.8		9.2	9.1	
						0.2	55.7	23.3		33.5		7.9		90.0		6.3			5.7			8.9		
IM21A	Cloudy	Calm	10:09	5.5	S	0.8	212.5	23.4	23.4	33.4	33.4	7.9	7.9	90.0	90.0	6.3	6.3	6.3	8.7	8.9	11.0	11.2	11.0	13.0
						0.8	212.5	23.4		33.4		7.9		90.0		6.3			9.1			10.7		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	64.7	23.3	23.3	33.5	33.5	7.8	7.9	90.4	90.3	6.4	6.4	6.4	13.2	13.1		15.2	15.0	
						0.3	140.8	23.3		33.5		7.9		90.1		6.3			13.0			14.8		
IM22A	Cloudy	Calm	10:04	5.4	S	0.5	231.4	24.6	24.7	33.5	33.5	7.8	7.8	94.1	94.2	6.5	6.5	6.5	10.4	10.6	10.7	13.6	13.8	14.2
						0.5	231.4	24.7		33.5		7.8		94.2		6.5			10.8			14.0		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	270.2	24.7	24.7	33.5	33.5	7.7	7.7	94.3	94.2	6.5	6.5	6.5	10.7	10.9		14.3	14.6	
						0.8	218.6	24.7		33.5		7.8		94.1		6.5			11.0			14.8		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/09** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Fine	Moderate	07:07	10.0	S	0.3	321.0	22.3	22.3	32.0	32.0	8.1	8.1	88.1	88.1	6.4	6.4	6.3	4.8	4.8	6.0	6.7	6.5	6.2
						0.2	325.0	22.3		32.0		8.1		88.0		6.4			4.9			6.3		
					M	0.3	323.0	22.3	22.3	32.0	32.0	8.1	8.1	87.6	87.6	6.3	6.3		6.1	6.1		7.4	6.9	
						0.3	317.0	22.3		32.0		8.1		87.5		6.3			6.1			6.4		
					B	0.3	317.0	22.2	22.2	31.9	31.9	8.1	8.1	87.6	87.7	6.3	6.3		7.0	7.0		4.6	5.3	
						0.3	311.0	22.2		31.9		8.1		87.8		6.4			7.1			6.0		
E2	Fine	Moderate	06:52	8.4	S	0.3	257.0	22.8	22.8	35.1	35.1	8.1	8.1	97.5	97.5	6.9	6.9	6.8	4.8	4.9	8.5	6.9	7.2	7.3
						0.2	256.0	22.8		35.1		8.1		97.4		6.9			4.9			7.4		
					M	0.2	261.0	22.9	22.9	35.2	35.2	8.1	8.1	97.0	97.0	6.8	6.8		8.2	8.4		6.7	7.0	
						0.2	264.0	22.9		35.2		8.1		97.0		6.8			8.6			7.3		
					B	0.2	246.0	23.0	23.0	35.3	35.3	8.0	8.0	97.4	97.5	6.8	6.8	6.8	12.2	12.2		8.1	7.8	
						0.2	239.0	23.0		35.3		8.0		97.5		6.8			12.3			7.5		
E3	Fine	Moderate	07:42	17.4	S	0.7	294.0	22.9	22.9	35.1	35.1	8.2	8.2	96.0	96.0	6.7	6.7	6.7	12.2	12.5	19.3	8.3	8.8	15.5
						0.7	291.0	22.9		35.1		8.2		96.0		6.7			12.9			9.3		
					M	0.7	323.0	22.9	22.9	35.1	35.1	8.2	8.2	95.0	95.0	6.7	6.7		21.7	21.8		6.9	9.7	
						0.7	316.0	22.9		35.1		8.2		94.9		6.7			21.9			12.4		
					B	0.7	326.0	22.9	22.9	35.2	35.2	8.2	8.2	94.2	94.3	6.6	6.6	6.6	23.8	23.5		28.2	28.0	
						0.7	319.0	22.9		35.2		8.2		94.3		6.6			23.3			27.8		
E4	Fine	Moderate	08:40	10.0	S	0.5	17.0	23.1	23.1	35.3	35.3	8.1	8.1	93.6	93.6	6.5	6.5	6.5	16.4	16.4	23.2	20.5	20.6	23.9
						0.5	17.0	23.1		35.3		8.1		93.6		6.5			16.5			20.6		
					M	0.5	44.0	22.9	22.9	35.3	35.3	8.1	8.2	92.9	92.9	6.5	6.5		23.4	23.6		21.9	22.2	
						0.5	37.0	22.9		35.3		8.2		92.9		6.5			23.8			22.4		
					B	0.5	26.0	22.9	22.9	35.3	35.3	8.2	8.2	93.9	94.0	6.6	6.6	6.6	29.8	29.7		29.2	28.9	
						0.5	20.0	22.9		35.3		8.2		94.0		6.6			29.7			28.5		
E5	Cloudy	Calm	06:05	6.1	S	0.2	213.5	23.0	23.0	32.8	32.8	7.8	7.8	87.4	87.4	6.2	6.2	6.2	19.2	19.2	21.9	22.7	22.6	26.1
						0.5	207.8	23.0		32.8		7.8		87.4		6.2			19.1			22.5		
					M	0.9	224.1	23.0	23.0	32.8	32.8	7.8	7.8	87.5	87.5	6.2	6.2		23.8	23.2		28.0	27.5	
						0.4	314.8	23.0		32.8		7.8		87.4		6.2			22.6			27.0		
					B	0.1	344.8	23.0	23.0	32.7	32.7	7.7	7.7	88.0	87.8	6.3	6.2	6.2	23.2	23.5		27.7	28.2	
						0.3	340.1	23.0		32.7		7.7		87.6		6.2			23.7			28.6		
E6	Cloudy	Calm	07:10	6.0	S	1.0	310.0	23.1	23.1	32.2	32.2	7.8	7.8	87.1	87.2	6.2	6.2	6.2	18.2	18.3	22.8	17.1	16.3	24.2
						1.0	310.0	23.1		32.2		7.8		87.2		6.2			18.4			15.5		
					M	1.0	344.4	23.1	23.1	32.3	32.3	7.8	7.8	86.8	86.8	6.2	6.2		24.4	24.4		25.6	25.4	
						1.7	356.4	23.1		32.3		7.8		86.7		6.2			24.3			25.2		
					B	1.3	322.9	23.1	23.1	32.3	32.3	7.8	7.8	86.9	86.8	6.2	6.2	6.2	26.7	25.7		31.4	30.8	
						0.1	320.6	23.1		32.3		7.8		86.7		6.2			24.6			30.2		
E7A	Cloudy	Calm	07:28	4.7	S	0.9	34.3	23.1	23.1	31.9	31.8	7.8	7.8	86.1	86.2	6.1	6.1	6.1	7.4	7.1	12.2	8.5	8.3	15.5
						0.9	34.3	23.1		31.8		7.8		86.2		6.2			6.8			8.1		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.2	20.9	23.2	23.2	32.4	32.3	7.8	7.8	86.5	86.3	6.1	6.1	6.1	17.9	17.2		23.2	22.7	
						1.1	25.8	23.2		32.3		7.8		86.0		6.1			16.5			22.2		
F1	Fine	Moderate	07:56	18.0	S	0.3	296.0	22.0	22.0	32.5	32.5	8.2	8.2	93.9	93.9	6.8	6.8	6.7	3.0	3.1	4.2	5.8	5.8	6.5
						0.3	289.0	22.0		32.5		8.2		93.8		6.8			3.1			5.8		
					M	0.3	306.0	22.0	22.0	32.5	32.5	8.2	8.2	91.9	91.9	6.7	6.7		4.0	4.0		7.5	7.4	
						0.3	307.0	22.0		32.5		8.2		91.9		6.7			4.0			7.2		
					B	0.3	325.0	22.0	22.0	32.5	32.5	8.2	8.2	92.0	92.1	6.7	6.7	6.7	5.4	5.5		5.9	6.2	
						0.3	325.0	22.0		32.5		8.2		92.1		6.7			5.5			6.5		
F2	Fine	Moderate	08:08	23.8	S	0.2	303.0	21.9	21.9	32.4	32.4	8.2	8.2	96.3	96.3	7.0	7.0	7.0	5.4	5.4	6.2	5.1	4.8	4.8
						0.3	307.0	21.9		32.4		8.2		96.3		7.0			5.4			4.4		
					M	0.3	305.0	21.9	21.9	32.4	32.4	8.2	8.2	96.1	96.1	7.0	7.0		6.3	6.3		4.8	5.1	
						0.3	307.0	21.9		32.4		8.2		96.1		7.0			6.3			5.4		
					B	0.3	280.0	21.9	21.9	32.4	32.4	8.2	8.2	96.7	96.8	7.0	7.0	7.0	7.0	7.0		4.7	4.4	
						0.3	277.0	21.9		32.4		8.2		96.9		7.0			7.0			4.1		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/09** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Fine	Moderate	09:00	17.0	S	0.2	277.0	21.8	21.8	32.2	32.2	8.3	8.3	97.2	97.2	7.1	7.1	7.1	6.6	6.5	7.5	6.9	6.9	7.5
						0.2	279.0	21.7		32.2		8.3		97.2		7.1			6.5			6.9		
					M	0.2	290.0	21.7	21.7	32.2	32.2	8.3	8.3	97.7	97.8	7.1	7.1		7.7	7.7		7.6	8.1	
						0.3	294.0	21.7		32.2		8.3		97.9		7.1			7.7			8.6		
					B	0.3	293.0	21.6	21.6	32.3	32.3	8.3	8.3	99.3	99.4	7.3	7.3	7.3	8.8	8.8		6.9	7.5	
						0.3	291.0	21.6		32.3		8.3		99.4		7.3			8.7			8.1		
F4	Fine	Moderate	07:13	13.4	S	0.5	274.0	22.9	22.9	35.2	35.2	8.2	8.2	96.1	96.1	6.7	6.7	6.7	6.6	6.8	13.3	7.8	7.2	7.4
						0.5	276.0	22.9		35.2		8.2		96.0		6.7			7.0			6.6		
					M	0.4	277.0	22.9	22.9	35.2	35.2	8.2	8.2	94.8	94.8	6.7	6.6		14.4	14.5		7.4	7.3	
						0.5	284.0	22.9		35.2		8.2		94.7		6.6			14.6			7.1		
					B	0.5	280.0	22.9	22.9	35.2	35.2	8.2	8.2	94.5	94.5	6.6	6.6	6.6	18.6	18.5		8.1	7.8	
						0.5	275.0	22.9		35.2		8.2		94.5		6.6			18.4			7.4		
F5	Fine	Moderate	09:06	5.4	S	0.4	19.0	23.0	23.0	35.3	35.3	8.2	8.2	93.1	93.1	6.5	6.5	6.5	19.7	20.1	22.8	29.5	29.6	35.8
						0.3	15.0	23.0		35.3		8.2		93.1		6.5			20.4			29.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	32.0	22.9	22.9	35.3	35.3	8.2	8.2	92.6	92.6	6.5	6.5	6.5	25.9	25.6		42.0	42.0	
						0.4	35.0	22.9		35.3		8.2		92.6		6.5			25.2			41.9		
F6	Cloudy	Calm	08:50	14.6	S	1.0	314.6	22.9	22.9	33.2	33.2	7.9	7.9	89.9	90.0	6.4	6.4	6.4	13.1	12.5	17.3	11.9	12.4	21.3
						1.0	314.6	22.9		33.2		7.9		90.0		6.4			11.9			12.9		
					M	0.6	14.7	22.8	22.8	33.2	33.3	7.8	7.8	89.4	89.5	6.4	6.4		21.8	20.1		27.0	28.2	
						0.5	277.4	22.8		33.3		7.8		89.6		6.4			18.3			29.4		
					B	0.5	334.4	22.8	22.8	33.3	33.3	7.8	7.8	89.4	89.3	6.4	6.3	6.3	18.9	19.2		22.8	23.2	
						0.2	355.7	22.8		33.3		7.8		89.2		6.3			19.5			23.6		
IM1	Fine	Moderate	07:47	11.6	S	0.1	357.0	22.0	22.0	32.4	32.4	8.2	8.2	95.1	95.0	6.9	6.9	6.8	2.9	2.9	3.5	7.1	7.0	7.4
						0.1	0.0	22.0		32.4		8.2		94.9		6.9			2.9			6.8		
					M	0.1	4.0	22.0	22.0	32.5	32.5	8.2	8.2	94.1	94.1	6.8	6.8		3.5	3.5		7.9	7.6	
						0.2	5.0	22.0		32.5		8.2		94.0		6.8			3.6			7.3		
					B	0.1	4.0	21.8	21.8	32.7	32.7	8.3	8.3	95.7	97.6	6.9	7.1	7.1	4.0	4.1		6.9	7.7	
						0.1	0.0	21.8		32.7		8.3		99.5		7.2			4.1			8.4		
IM2	Fine	Moderate	07:25	12.6	S	0.2	350.0	22.3	22.3	32.5	32.5	8.2	8.2	87.1	87.0	6.3	6.3	6.2	4.5	4.5	5.2	7.5	8.1	8.1
						0.2	353.0	22.3		32.5		8.2		86.9		6.3			4.6			8.6		
					M	0.2	354.0	22.3	22.3	32.5	32.5	8.2	8.2	86.4	86.3	6.2	6.2		5.0	5.0		9.2	8.9	
						0.1	357.0	22.3		32.5		8.2		86.2		6.2			5.0			8.6		
					B	0.2	356.0	22.3	22.3	32.5	32.5	8.2	8.2	81.7	81.6	5.9	5.9	5.9	6.1	6.1		8.3	7.3	
						0.2	0.0	22.3		32.5		8.2		81.4		5.9			6.2			6.3		
IM3	Fine	Moderate	08:20	13.6	S	0.2	264.0	21.8	21.8	32.4	32.4	8.2	8.2	96.4	96.4	7.0	7.0	7.1	4.6	4.5	5.6	5.9	6.4	6.4
						0.2	270.0	21.8		32.4		8.2		96.4		7.0			4.5			6.8		
					M	0.3	271.0	21.9	21.9	32.4	32.4	8.2	8.2	97.8	97.9	7.1	7.1		5.2	5.2		6.3	6.3	
						0.3	264.0	21.9		32.4		8.2		98.0		7.1			5.3			6.3		
					B	0.2	267.0	21.5	21.5	32.8	32.8	8.3	8.3	99.4	99.6	7.3	7.3	7.3	7.0	7.0		6.3	6.5	
						0.2	270.0	21.4		32.8		8.3		99.7		7.3			6.9			6.6		
IM4	Fine	Moderate	08:38	16.0	S	0.4	287.0	21.8	21.8	32.3	32.3	8.3	8.3	97.8	97.9	7.1	7.1	7.2	6.1	6.1	7.3	7.3	7.3	8.1
						0.3	283.0	21.8		32.3		8.3		97.9		7.1			6.2			7.3		
					M	0.3	272.0	21.7	21.7	32.4	32.4	8.3	8.3	99.6	99.7	7.3	7.3		7.8	7.8		9.6	9.6	
						0.4	267.0	21.6		32.4		8.3		99.8		7.3			7.9			9.5		
					B	0.3	299.0	21.4	21.4	32.6	32.6	8.3	8.3	100.3	100.4	7.4	7.4	7.4	8.1	8.0		8.1	7.4	
						0.3	292.0	21.3		32.7		8.3		100.4		7.4			8.0			6.6		
IM5	Fine	Moderate	08:47	13.2	S	0.2	269.0	21.8	21.8	32.3	32.3	8.3	8.3	97.2	97.3	7.1	7.1	7.1	6.3	6.3	7.6	6.6	5.9	5.6
						0.2	261.0	21.8		32.3		8.3		97.3		7.1			6.3			5.2		
					M	0.2	284.0	21.8	21.8	32.3	32.3	8.3	8.3	98.2	98.3	7.2	7.2		7.9	7.9		5.3	5.0	
						0.2	286.0	21.8		32.3		8.3		98.4		7.2			7.9			4.7		
					B	0.3	283.0	21.5	21.5	32.5	32.5	8.3	8.3	99.8	99.9	7.3	7.3	7.3	8.4	8.4		6.4	5.9	
						0.3	283.0	21.4		32.5		8.3		99.9		7.3			8.5			5.4		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/09** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM6	Fine	Moderate	08:55	16.8	S	0.3	270.0	21.8	21.8	32.2	32.2	8.3	8.3	97.6	97.6	7.1	7.1	7.1	4.1	4.1	5.4	5.7	5.4	5.4
						0.3	263.0	21.8		32.2		8.3		97.6		7.1			4.2			5.0		
					M	0.2	280.0	21.8	21.8	32.2	32.2	8.3	8.3	97.9	98.0	7.1	7.1		5.6	5.6		5.5	5.4	
						0.3	283.0	21.8		32.2		8.3		98.0		7.1			5.6			5.2		
					B	0.3	283.0	21.6	21.6	32.4	32.4	8.3	8.3	99.7	99.8	7.3	7.3		6.6	6.5		4.8	5.6	
						0.3	287.0	21.5		32.4		8.3		99.8		7.3			6.5			6.3		
IM7	Fine	Moderate	09:17	15.2	S	0.3	266.0	21.8	21.8	32.3	32.3	8.3	8.3	96.1	96.1	7.0	7.0	7.0	6.1	6.1	7.2	9.5	10.3	9.8
						0.3	262.0	21.8		32.3		8.3		96.1		7.0			6.2			11.0		
					M	0.3	290.0	21.9	21.9	32.3	32.3	8.3	8.3	96.5	96.6	7.0	7.0		7.4	7.4		8.7	8.3	
						0.3	284.0	21.9		32.3		8.3		96.7		7.0			7.4			7.9		
					B	0.3	272.0	21.7	21.7	32.4	32.4	8.3	8.3	99.0	99.1	7.2	7.2	7.2	8.0	8.0		11.8	10.9	
						0.3	271.0	21.7		32.4		8.3		99.2		7.2			8.0			10.0		
IM8	Fine	Moderate	09:21	13.8	S	0.3	288.0	21.7	21.7	32.2	32.2	8.3	8.3	97.0	97.0	7.1	7.1	7.1	7.1	7.1	8.3	8.6	9.0	8.6
						0.3	292.0	21.7		32.2		8.3		96.9		7.1			7.2			9.3		
					M	0.2	296.0	21.8	21.8	32.3	32.3	8.3	8.3	98.0	98.1	7.1	7.1		8.4	8.4		8.7	8.5	
						0.3	297.0	21.7		32.3		8.3		98.2		7.2			8.5			8.3		
					B	0.2	265.0	21.7	21.7	32.3	32.3	8.3	8.3	99.0	99.1	7.2	7.2	7.2	9.4	9.4		8.0	8.2	
						0.3	270.0	21.7		32.3		8.3		99.2		7.2			9.4			8.4		
IM9	Fine	Moderate	09:31	15.0	S	0.3	295.0	21.8	21.8	32.3	32.3	8.3	8.3	96.8	96.8	7.1	7.1	7.1	5.6	5.7	6.5	10.7	14.2	16.0
						0.3	295.0	21.8		32.3		8.3		96.8		7.1			5.8			17.7		
					M	0.3	316.0	21.8	21.8	32.3	32.3	8.3	8.3	96.9	97.0	7.1	7.1		6.7	6.7		16.0	16.5	
						0.4	309.0	21.8		32.3		8.3		97.0		7.1			6.7			16.9		
					B	0.4	289.0	21.8	21.8	32.2	32.2	8.3	8.3	98.9	99.0	7.2	7.2	7.2	7.0	7.0		17.2	17.3	
						0.4	294.0	21.8		32.3		8.3		99.1		7.2			7.1			17.4		
IM10	Fine	Moderate	07:55	11.6	S	0.4	232.0	23.0	23.0	35.2	35.2	8.2	8.2	95.8	95.8	6.7	6.7	6.7	9.6	9.7	14.9	20.3	21.0	16.9
						0.4	228.0	23.0		35.2		8.2		95.8		6.7			9.8			21.6		
					M	0.4	254.0	22.9	22.9	35.2	35.2	8.1	8.1	94.8	94.8	6.6	6.6		12.5	12.5		13.8	14.1	
						0.4	261.0	22.9		35.2		8.1		94.7		6.6			12.5			14.4		
					B	0.4	232.0	22.9	22.9	35.2	35.2	8.1	8.1	94.3	94.3	6.6	6.6	6.6	22.2	22.4		14.7	15.7	
						0.4	226.0	22.9		35.2		8.1		94.3		6.6			22.6			16.6		
IM11A	Fine	Moderate	08:04	5.6	S	0.8	318.0	23.0	23.0	35.2	35.2	8.2	8.2	94.5	94.5	6.6	6.6	6.6	29.6	29.1	29.4	36.6	35.2	49.5
						0.8	314.0	23.0		35.2		8.2		94.5		6.6			28.7			33.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.9	317.0	22.9	22.9	35.3	35.3	8.2	8.2	94.0	94.0	6.6	6.6	6.6	29.4	29.7		64.4	63.8	
						0.9	316.0	22.9		35.3		8.2		93.9		6.6			30.0			63.2		
IM12	Fine	Moderate	08:09	13.6	S	0.8	336.0	23.0	23.0	35.2	35.2	8.2	8.2	94.2	94.2	6.6	6.6	6.6	21.6	21.3	26.4	30.3	29.8	41.3
						0.8	329.0	23.0		35.2		8.2		94.1		6.6			21.0			29.2		
					M	0.8	336.0	22.9	22.9	35.2	35.2	8.2	8.2	93.7	93.7	6.6	6.6		25.5	25.6		25.2	25.1	
						0.8	334.0	22.9		35.2		8.2		93.7		6.6			25.6			24.9		
					B	0.7	359.0	22.9	22.9	35.2	35.2	8.1	8.1	93.7	93.8	6.6	6.6	6.6	32.3	32.2		71.1	69.1	
						0.7	2.0	22.9		35.2		8.1		93.8		6.6			32.2			67.0		
IM13	Fine	Moderate	08:26	17.8	S	0.6	5.0	22.9	22.9	35.2	35.2	8.2	8.2	93.5	93.5	6.6	6.6	6.5	30.4	30.1	31.8	27.7	27.1	42.9
						0.6	1.0	22.9		35.2		8.2		93.5		6.6			29.8			26.4		
					M	0.6	17.0	22.9	22.9	35.2	35.2	8.2	8.2	93.2	93.2	6.5	6.5		30.5	30.4		49.5	48.1	
						0.6	24.0	22.9		35.2		8.1		93.2		6.5			30.3			46.7		
					B	0.6	18.0	22.9	22.9	35.2	35.2	8.1	8.1	93.1	93.1	6.5	6.5	6.5	34.8	35.1		52.9	53.7	
						0.6	19.0	22.9		35.2		8.1		93.1		6.5			35.3			54.4		
IM14	Fine	Moderate	08:33	11.2	S	0.4	36.0	23.0	23.0	35.3	35.3	8.2	8.2	92.7	92.7	6.5	6.5	6.5	23.7	23.8	29.4	25.8	24.8	29.8
						0.4	38.0	23.0		35.3		8.2		92.7		6.5			23.9			23.8		
					M	0.4	32.0	22.9	22.9	35.3	35.3	8.2	8.2	92.4	92.4	6.5	6.5		30.2	30.2		27.9	29.4	
						0.4	27.0	22.9		35.3		8.2		92.4		6.5			30.2			30.9		
					B	0.4	35.0	22.9	22.9	35.3	35.3	8.2	8.2	92.4	92.5	6.5	6.5	6.5	34.4	34.4		34.5	35.1	
						0.4	40.0	22.9		35.3		8.2		92.5		6.5			34.3			35.7		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/09** **Tide: Flood 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
IM15	Cloudy	Calm	05:54	7.3	S	0.9	264.4	23.0	23.0	32.7	32.7	7.7	7.7	87.7	87.6	6.2	6.2	6.2	22.5	22.6	22.1	28.7	27.5	27.4
						0.9	264.4	23.0		32.7		7.7		87.5		6.2			22.6			26.2		
					M	1.0	282.7	23.0	23.0	32.7	32.7	7.7	7.7	87.7	87.7	6.2	6.2		20.6	21.5		26.0	27.3	
						1.0	282.7	23.0		32.7		7.7		87.6		6.2			22.4			28.6		
					B	1.0	298.6	23.0	23.0	32.7	32.7	7.7	7.7	87.2	87.2	6.2	6.2		22.3	22.3		27.6	27.3	
						0.8	255.3	23.0		32.7		7.7		87.2		6.2			22.3			27.0		
IM16A	Cloudy	Calm	06:17	7.4	S	0.5	283.9	23.0	23.0	32.6	32.6	7.8	7.8	87.9	87.9	6.3	6.3	6.2	23.8	23.6	24.0	28.3	29.7	30.7
						0.5	283.9	23.0		32.7		7.8		87.9		6.3			23.4			31.1		
					M	0.8	336.9	23.0	23.0	32.7	32.7	7.8	7.8	87.5	87.6	6.2	6.2		25.4	25.5		31.0	31.5	
						0.6	326.9	23.0		32.7		7.8		87.6		6.2			25.5			31.9		
					B	0.5	356.5	22.9	22.9	32.7	32.7	7.7	7.8	88.8	88.7	6.3	6.3	6.3	22.5	23.0		29.9	31.1	
						0.6	271.8	22.9		32.7		7.8		88.5		6.3			23.4			32.2		
IM17	Cloudy	Calm	06:37	5.2	S	1.2	301.7	22.8	22.8	31.7	31.7	7.8	7.8	88.2	88.4	6.3	6.3	6.3	14.3	14.0	24.9	13.6	14.1	26.9
						1.2	301.7	22.8		31.7		7.8		88.5		6.3			13.6			14.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	3.5	23.2	23.2	32.9	32.9	7.8	7.8	87.8	87.8	6.2	6.2	6.2	36.6	35.9		40.2	39.6	
						0.8	330.0	23.2		32.9		7.8		87.8		6.2			35.2			39.0		
IM18	Cloudy	Calm	06:47	17.0	S	0.8	287.0	23.0	23.0	31.7	31.8	7.8	7.8	86.8	86.7	6.2	6.2	6.2	6.9	7.1	15.3	5.9	6.3	16.7
						0.8	287.0	23.0		31.8		7.8		86.6		6.2			7.2			6.6		
					M	0.5	151.5	23.1	23.1	32.3	32.3	7.8	7.8	86.7	86.7	6.2	6.2		15.3	15.9		18.8	18.7	
						0.8	298.5	23.1		32.3		7.8		86.6		6.2			16.4			18.6		
					B	0.5	43.6	23.2	23.2	32.8	32.8	7.8	7.8	87.0	87.0	6.2	6.2	6.2	22.4	22.9		26.4	25.1	
						1.0	38.5	23.2		32.9		7.8		86.9		6.2			23.3			23.8		
IM19	Cloudy	Calm	08:16	18.1	S	0.5	29.6	23.1	23.1	32.5	32.5	7.9	7.9	88.1	88.1	6.3	6.3	6.2	5.6	5.5	10.7	7.6	6.9	13.8
						0.5	29.6	23.1		32.5		7.9		88.1		6.3			5.4			6.1		
					M	0.7	310.7	23.1	23.1	33.1	33.1	7.9	7.9	87.9	88.0	6.2	6.2		9.2	9.5		14.1	12.9	
						0.5	356.1	23.1		33.2		7.9		88.1		6.2			9.8			11.6		
					B	0.9	312.0	23.2	23.2	33.2	33.2	7.8	7.8	88.0	88.1	6.2	6.2	6.2	15.7	17.2		22.5	21.7	
						0.3	6.8	23.2		33.2		7.8		88.1		6.2			18.6			20.8		
IM20A	Cloudy	Calm	07:44	6.5	S	1.0	15.0	23.3	23.3	32.4	32.4	7.8	7.8	87.5	87.6	6.2	6.2	6.2	8.6	8.5	30.6	10.9	13.4	37.3
						1.0	15.0	23.3		32.5		7.8		87.6		6.2			8.3			15.8		
					M	0.4	13.1	23.3	23.3	32.8	32.8	7.8	7.8	87.8	87.9	6.2	6.2		37.7	38.3		35.7	44.5	
						0.6	323.1	23.3		32.8		7.8		87.9		6.2			38.9			53.2		
					B	0.8	32.1	23.2	23.2	32.8	32.8	7.8	7.8	88.5	88.5	6.3	6.3	6.3	44.7	45.1		62.1	54.2	
						1.0	21.0	23.2		32.8		7.8		88.4		6.3			45.5			46.2		
IM21A	Cloudy	Calm	07:54	6.5	S	0.1	318.7	24.5	24.6	32.9	32.9	7.9	7.9	91.4	91.6	6.3	6.3	6.3	25.4	25.8	25.0	40.3	38.6	35.0
						0.1	318.7	24.6		32.9		7.9		91.8		6.3			26.1			36.8		
					M	0.4	301.6	24.4	24.3	32.9	32.8	7.8	7.8	90.5	90.6	6.3	6.3		24.4	24.4		34.2	35.3	
						0.4	292.8	24.3		32.8		7.9		90.6		6.3			24.4			36.4		
					B	1.1	35.7	23.5	23.6	32.9	32.8	7.8	7.8	88.3	88.5	6.2	6.2	6.2	24.1	24.8		32.0	31.0	
						0.4	7.8	23.6		32.8		7.8		88.7		6.2			25.5			30.0		
IM22A	Cloudy	Calm	08:01	5.0	S	0.5	344.6	23.2	23.2	33.0	33.0	7.8	7.8	86.9	86.9	6.1	6.1	6.1	25.9	26.0	29.5	44.3	40.0	41.7
						0.5	344.6	23.2		33.0		7.8		86.9		6.1			26.1			35.7		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.5	37.7	23.2	23.2	33.1	33.1	7.8	7.8	86.8	86.8	6.1	6.1	6.1	33.0	33.0		44.6	43.5	
						0.3	264.2	23.2		33.1		7.8		86.7		6.1			32.9			42.3		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/09** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Fine	Moderate	13:34	12.3	S	0.2	161.0	22.5	22.5	32.5	32.5	8.2	8.2	90.8	91.0	6.5	6.5	6.6	3.0	3.1	4.3	7.0	9.3	7.2
						0.2	159.0	22.4		32.5		8.2		91.1		6.6			3.1			11.5		
					M	0.1	168.0	22.4	22.4	32.5	32.5	8.2	8.2	91.4	91.5	6.6	6.6		4.5	4.4		7.4	6.4	
						0.1	169.0	22.3		32.5		8.2		91.6		6.6			4.4			5.3		
					B	0.2	162.0	22.3	22.3	32.5	32.5	8.2	8.2	92.8	93.0	6.7	6.7	6.7	5.4	5.5		6.0	6.1	
						0.1	166.0	22.3		32.5		8.2		93.2		6.7			5.5			6.2		
E2	Fine	Moderate	13:35	8.4	S	0.1	73.0	23.4	23.4	35.1	35.1	8.2	8.2	102.1	102.1	7.1	7.1	6.9	2.5	2.6	6.1	4.0	5.2	5.8
						0.1	69.0	23.3		35.1		8.2		102.1		7.1			2.6			6.4		
					M	0.1	97.0	23.0	23.0	35.2	35.2	8.2	8.1	97.0	96.9	6.8	6.8		5.9	6.0		6.7	6.9	
						0.1	101.0	23.0		35.2		8.1		96.8		6.8			6.1			7.0		
					B	0.1	64.0	23.0	23.0	35.3	35.3	8.2	8.2	96.1	96.2	6.7	6.7	6.7	9.8	9.8		4.4	5.3	
						0.1	59.0	23.0		35.3		8.2		96.3		6.7			9.8			6.2		
E3	Fine	Moderate	12:45	15.0	S	0.2	123.0	23.4	23.4	35.1	35.1	8.2	8.2	99.0	98.9	6.9	6.9	6.8	4.3	4.5	12.0	9.0	11.7	9.6
						0.2	128.0	23.4		35.1		8.2		98.7		6.9			4.6			14.4		
					M	0.2	126.0	22.9	22.9	35.1	35.1	8.1	8.1	95.4	95.4	6.7	6.7		9.1	9.2		7.1	7.3	
						0.1	125.0	22.9		35.1		8.1		95.3		6.7			9.2			7.4		
					B	0.2	126.0	22.9	22.9	35.1	35.1	8.2	8.2	94.8	94.8	6.7	6.7	6.7	22.5	22.4		10.3	9.9	
						0.2	132.0	22.9		35.1		8.2		94.8		6.7			22.3			9.4		
E4	Fine	Moderate	11:48	10.8	S	0.1	179.0	23.4	23.4	35.3	35.3	8.1	8.1	95.7	95.6	6.7	6.6	6.6	8.9	9.1	19.8	13.7	14.8	17.5
						0.1	174.0	23.3		35.3		8.1		95.4		6.6			9.2			15.9		
					M	0.1	173.0	22.9	22.9	35.3	35.3	8.1	8.1	92.6	92.6	6.5	6.5		18.0	18.3		15.8	15.2	
						0.1	177.0	22.9		35.3		8.1		92.6		6.5			18.6			14.6		
					B	0.1	203.0	22.9	22.9	35.3	35.3	8.1	8.1	92.5	92.5	6.5	6.5	6.5	31.9	32.1		21.8	22.4	
						0.1	205.0	22.9		35.3		8.1		92.5		6.5			32.3			23.0		
E5	Cloudy	Calm	13:48	6.9	S	1.5	192.1	23.3	23.3	32.5	32.5	7.9	7.9	94.3	94.4	6.7	6.7	6.6	11.2	10.9	13.8	14.4	15.2	17.7
						1.5	192.1	23.3		32.5		7.9		94.5		6.7			10.6			15.9		
					M	0.7	208.1	22.8	22.8	32.9	32.9	7.8	7.8	92.0	92.0	6.6	6.6		14.6	14.6		19.4	18.6	
						0.7	208.1	22.8		32.9		7.8		91.9		6.6			14.5			17.7		
					B	1.3	223.0	22.8	22.8	33.2	33.2	7.8	7.8	92.2	92.2	6.6	6.6	6.6	15.9	16.0		19.3	19.3	
						0.1	88.1	22.8		33.2		7.8		92.2		6.6			16.1			19.3		
E6	Cloudy	Calm	11:18	7.0	S	0.4	269.6	23.2	23.2	32.6	32.5	7.9	7.9	88.1	88.4	6.2	6.3	6.2	9.8	9.0	20.7	8.6	9.2	22.4
						0.4	269.6	23.2		32.5		7.9		88.6		6.3			8.1			9.8		
					M	0.1	8.5	23.1	23.1	32.9	32.9	8.0	8.0	87.0	87.0	6.2	6.2		21.3	22.2		24.4	24.3	
						0.9	326.0	23.1		32.9		8.0		86.9		6.2			23.1			24.2		
					B	0.3	294.6	23.1	23.1	32.9	32.9	8.2	8.2	87.3	87.3	6.2	6.2	6.2	30.9	30.9		35.0	33.6	
						0.5	19.7	23.1		32.9		8.1		87.3		6.2			30.9			32.2		
E7A	Cloudy	Calm	11:37	5.3	S	0.8	273.9	23.3	23.3	32.9	32.9	7.9	7.9	89.4	89.4	6.3	6.3	6.3	5.0	5.0	5.4	7.4	6.8	8.3
						0.8	273.9	23.4		32.9		7.9		89.4		6.3			5.0			6.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.2	43.2	23.3	23.3	32.9	32.9	7.8	7.8	88.9	88.8	6.3	6.3	6.3	5.3	5.8		7.8	9.9	
						0.5	168.4	23.3		32.9		7.9		88.7		6.3			6.3			11.9		
F1	Fine	Moderate	12:56	17.8	S	0.1	141.0	22.3	22.3	32.5	32.5	8.2	8.2	98.9	98.9	7.1	7.1	7.0	5.1	5.1	6.3	6.2	6.5	6.2
						0.1	147.0	22.3		32.5		8.2		98.8		7.1			5.2			6.8		
					M	0.1	152.0	22.1	22.1	32.5	32.5	8.2	8.2	93.8	93.9	6.8	6.8		6.3	6.3		6.4	6.4	
						0.1	155.0	22.1		32.5		8.2		94.0		6.8			6.3			6.3		
					B	0.1	114.0	22.1	22.1	32.5	32.5	8.2	8.2	96.0	96.3	6.9	7.0	7.0	7.4	7.5		5.5	5.9	
						0.1	118.0	22.1		32.5		8.2		96.5		7.0			7.5			6.2		
F2	Fine	Moderate	12:45	22.7	S	0.1	134.0	22.2	22.2	32.5	32.5	8.3	8.3	97.3	97.1	7.0	7.0	6.9	3.5	3.5	4.4	5.4	5.7	7.1
						0.1	129.0	22.2		32.5		8.3		96.9		7.0			3.4			6.0		
					M	0.1	139.0	22.1	22.1	32.6	32.6	8.3	8.3	92.7	92.7	6.7	6.7		4.2	4.3		5.9	7.0	
						0.1	146.0	22.1		32.6		8.3		92.7		6.7			4.3			8.0		
					B	0.1	132.0	22.1	22.1	32.5	32.5	8.3	8.3	96.7	96.9	7.0	7.0	7.0	5.5	5.5		9.7	8.8	
						0.1	132.0	22.1		32.5		8.3		97.1		7.0			5.5			7.8		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/09** **Tide: Ebb 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
F3	Fine	Moderate	11:50	15.8	S	0.1	235.0	21.7	21.7	32.2	32.2	8.3	8.3	97.2	97.2	7.1	7.1	7.1	4.1	4.1	5.2	6.1	7.1	6.6
						0.1	236.0	21.7		32.2		8.3		97.2		7.1			4.1			8.1		
					M	0.1	240.0	21.7	21.7	32.2	32.2	8.3	8.3	97.6	97.7	7.1	7.1		5.2	5.1		6.3	5.9	
						0.1	247.0	21.7		32.2		8.3		97.7		7.1			5.1			5.4		
					B	0.1	249.0	21.5	21.5	32.3	32.3	8.3	8.3	99.8	99.9	7.3	7.3	7.3	6.4	6.3		7.8	6.7	
						0.1	251.0	21.5		32.3		8.3		99.9		7.3			6.3			5.6		
F4	Fine	Moderate	13:14	13.5	S	0.2	103.0	23.4	23.4	35.1	35.1	8.2	8.2	103.4	103.4	7.2	7.2	7.0	2.0	2.1	7.9	5.7	5.3	5.9
						0.2	99.0	23.3		35.1		8.2		103.4		7.2			2.2			4.8		
					M	0.2	100.0	22.9	22.9	35.2	35.2	8.1	8.1	97.7	97.7	6.9	6.9		3.9	3.9		7.3	6.4	
						0.2	100.0	22.9		35.2		8.1		97.7		6.9			3.9			5.5		
					B	0.2	73.0	22.9	22.9	35.2	35.2	8.2	8.2	97.0	97.1	6.8	6.8	6.8	17.8	17.8		6.1	6.0	
						0.3	65.0	22.9		35.2		8.2		97.1		6.8			17.7			5.9		
F5	Fine	Moderate	11:18	5.6	S	0.2	47.0	23.0	23.0	35.3	35.3	8.1	8.1	93.1	93.1	6.5	6.5	6.5	17.5	17.5	23.4	19.8	19.8	26.0
						0.2	51.0	23.0		35.3		8.1		93.1		6.5			17.5			19.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	49.0	22.9	22.9	35.3	35.3	8.1	8.1	92.4	92.4	6.5	6.5	6.5	29.4	29.4		33.2	32.1	
						0.2	49.0	22.9		35.3		8.2		92.4		6.5			29.3			31.0		
F6	Cloudy	Calm	13:11	14.6	S	1.2	106.3	23.1	23.1	32.9	32.9	7.8	7.8	90.1	90.2	6.4	6.4	6.4	8.5	7.9	12.4	9.1	8.4	15.8
						1.2	106.3	23.2		32.9		7.8		90.3		6.4			7.2			7.6		
					M	0.8	82.9	22.9	22.9	33.1	33.1	7.8	7.8	89.5	89.5	6.4	6.4		12.3	12.3		18.4	17.0	
						0.3	112.9	22.9		33.1		7.8		89.5		6.4			12.2			15.6		
					B	0.6	41.4	22.9	22.9	33.2	33.2	7.8	7.8	88.3	88.3	6.3	6.3	6.3	17.2	17.2		22.1	22.0	
						0.6	92.9	22.9		33.2		7.8		88.2		6.3			17.2			21.9		
IM1	Fine	Moderate	13:04	11.6	S	0.2	144.0	22.1	22.1	32.5	32.5	8.3	8.3	94.6	94.6	6.8	6.8	6.8	2.3	2.3	3.2	5.1	5.0	4.5
						0.2	146.0	22.1		32.5		8.3		94.6		6.8			2.4			4.8		
					M	0.2	135.0	22.1	22.1	32.5	32.5	8.2	8.2	94.6	94.6	6.8	6.8		3.0	3.1		3.9	4.2	
						0.1	138.0	22.1		32.5		8.2		94.6		6.8			3.2			4.5		
					B	0.1	161.0	22.1	22.1	32.5	32.5	8.2	8.2	96.6	97.2	7.0	7.0	7.0	4.1	4.1		4.4	4.4	
						0.1	157.0	22.1		32.5		8.3		97.7		7.1			4.2			4.3		
IM2	Fine	Moderate	13:14	10.2	S	0.1	161.0	22.3	22.3	32.5	32.5	8.2	8.2	92.7	92.6	6.7	6.7	6.6	4.2	4.2	5.2	3.6	4.5	5.0
						0.1	157.0	22.3		32.5		8.2		92.4		6.7			4.3			5.3		
					M	0.1	150.0	22.2	22.2	32.6	32.5	8.2	8.2	91.5	91.5	6.6	6.6		5.2	5.2		5.4	4.9	
						0.1	149.0	22.2		32.5		8.2		91.5		6.6			5.3			4.4		
					B	0.1	179.0	22.2	22.2	32.5	32.5	8.2	8.2	92.2	92.4	6.6	6.7	6.7	6.0	6.0		5.3	5.5	
						0.1	180.0	22.2		32.5		8.2		92.6		6.7			6.1			5.7		
IM3	Fine	Moderate	12:29	16.2	S	0.1	98.0	22.1	22.1	32.4	32.4	8.3	8.3	96.5	96.4	7.0	7.0	6.9	3.4	3.5	4.4	6.0	6.7	6.5
						0.1	91.0	22.0		32.4		8.3		96.2		7.0			3.5			7.3		
					M	0.1	73.0	22.0	22.0	32.4	32.4	8.3	8.3	95.0	95.0	6.9	6.9		4.7	4.8		5.7	5.6	
						0.1	75.0	22.0		32.4		8.3		94.9		6.9			4.8			5.5		
					B	0.1	82.0	21.9	21.9	32.6	32.7	8.3	8.3	96.0	97.9	7.0	7.1	7.1	5.0	5.0		6.9	7.2	
						0.1	77.0	21.8		32.7		8.3		99.7		7.2			5.0			7.5		
IM4	Fine	Moderate	12:13	16.8	S	0.1	135.0	21.9	21.9	32.3	32.3	8.3	8.3	97.9	97.8	7.1	7.1	7.1	4.1	4.2	5.2	4.2	4.8	5.1
						0.1	131.0	21.9		32.3		8.3		97.7		7.1			4.2			5.4		
					M	0.1	115.0	21.8	21.8	32.3	32.3	8.3	8.3	97.3	97.4	7.1	7.1		5.2	5.2		4.6	4.5	
						0.1	116.0	21.8		32.3		8.3		97.5		7.1			5.2			4.4		
					B	0.1	145.0	21.7	21.7	32.3	32.3	8.3	8.3	99.8	99.9	7.3	7.3	7.3	6.3	6.4		5.6	6.1	
						0.2	143.0	21.7		32.3		8.3		99.9		7.3			6.4			6.5		
IM5	Fine	Moderate	12:00	14.6	S	0.1	83.0	21.9	21.9	32.2	32.2	8.3	8.3	97.6	97.6	7.1	7.1	7.1	3.6	3.6	3.9	4.4	4.9	5.3
						0.1	89.0	21.9		32.2		8.3		97.5		7.1			3.6			5.4		
					M	0.1	86.0	21.8	21.8	32.2	32.2	8.3	8.3	97.5	97.6	7.1	7.1		3.9	3.8		4.7	5.5	
						0.1	91.0	21.8		32.2		8.3		97.6		7.1			3.8			6.2		
					B	0.1	96.0	21.8	21.8	32.2	32.2	8.3	8.3	99.5	99.6	7.2	7.2	7.2	4.1	4.1		5.5	5.5	
						0.1	100.0	21.8		32.2		8.3		99.6		7.3			4.2			5.4		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/09** **Tide: Ebb 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
IM6	Fine	Moderate	11:54	15.7	S	0.1	114.0	21.8	21.8	32.2	32.2	8.3	8.3	97.5	97.5	7.1	7.1	7.1	3.4	3.5	4.4	6.3	6.9	6.1
						0.1	116.0	21.8		32.2		8.3		97.4		7.1			3.5			7.4		
					M	0.1	103.0	21.7	21.7	32.2	32.2	8.3	8.3	97.2	97.3	7.1	7.1		4.3	4.3		5.7	5.9	
						0.1	98.0	21.7		32.2		8.3		97.3		7.1			4.3			6.0		
					B	0.1	119.0	21.8	21.8	32.2	32.1	8.3	8.3	99.1	99.2	7.2	7.2	7.2	5.4	5.4		5.5	5.5	
						0.1	123.0	21.8		32.1		8.3		99.2		7.2			5.3			5.5		
IM7	Fine	Moderate	11:29	12.6	S	0.1	233.0	21.8	21.8	32.3	32.3	8.3	8.3	97.2	97.2	7.1	7.1	7.2	7.6	7.6	8.9	5.0	4.7	4.9
						0.1	226.0	21.8		32.3		8.3		97.2		7.1			7.6			4.4		
					M	0.1	244.0	21.7	21.7	32.4	32.4	8.3	8.3	99.3	99.5	7.2	7.2		9.1	9.1		4.3	4.6	
						0.1	247.0	21.7		32.5		8.3		99.7		7.3			9.2			4.9		
					B	0.1	256.0	21.5	21.5	32.6	32.6	8.3	8.3	100.5	100.6	7.3	7.4	7.4	10.1	10.1		5.4	5.5	
						0.1	263.0	21.4		32.6		8.3		100.6		7.4			10.2			5.6		
IM8	Fine	Moderate	11:34	14.2	S	0.1	223.0	21.8	21.8	32.2	32.2	8.3	8.3	96.3	96.3	7.0	7.0	7.0	5.1	5.2	6.3	6.3	6.1	5.8
						0.1	221.0	21.8		32.2		8.3		96.2		7.0			5.2			5.8		
					M	0.1	229.0	21.8	21.8	32.3	32.3	8.3	8.3	95.6	95.6	7.0	7.0		6.2	6.3		6.0	6.4	
						0.1	227.0	21.8		32.3		8.3		95.5		7.0			6.3			6.8		
					B	0.1	255.0	21.9	21.9	32.4	32.4	8.3	8.3	95.5	95.6	6.9	6.9	6.9	7.4	7.4		5.4	4.9	
						0.1	250.0	21.9		32.4		8.3		95.6		6.9			7.5			4.4		
IM9	Fine	Moderate	11:20	14.6	S	0.1	263.0	21.9	21.9	32.3	32.3	8.4	8.4	97.0	96.9	7.0	7.0	7.0	6.5	6.5	7.9	7.5	6.7	6.7
						0.1	257.0	21.9		32.3		8.4		96.8		7.0			6.6			5.9		
					M	0.1	258.0	21.9	21.9	32.4	32.4	8.4	8.4	96.5	96.5	7.0	7.0		8.1	8.1		5.4	5.6	
						0.1	252.0	21.9		32.4		8.4		96.5		7.0			8.0			5.8		
					B	0.1	248.0	21.9	21.9	32.4	32.4	8.4	8.4	96.9	97.0	7.0	7.0	7.0	9.0	9.0		6.6	7.7	
						0.1	248.0	21.9		32.4		8.4		97.0		7.0			9.1			8.7		
IM10	Fine	Moderate	12:34	11.3	S	0.2	34.0	23.6	23.6	35.3	35.3	8.2	8.2	99.9	99.9	6.9	6.9	6.8	8.6	9.2	14.9	7.6	8.1	12.8
						0.2	37.0	23.5		35.3		8.2		99.9		6.9			9.8			8.6		
					M	0.1	52.0	23.1	23.1	35.3	35.3	8.2	8.2	95.5	95.5	6.7	6.7		16.0	16.4		18.0	17.9	
						0.1	44.0	23.1		35.3		8.2		95.5		6.7			16.9			17.8		
					B	0.2	10.0	23.1	23.1	35.3	35.3	8.2	8.2	95.6	95.6	6.7	6.7	6.7	18.9	19.1		12.2	12.4	
						0.2	16.0	23.1		35.3		8.2		95.6		6.7			19.3			12.6		
IM11A	Fine	Moderate	12:25	5.3	S	0.2	151.0	23.1	23.1	35.3	35.3	8.2	8.2	93.9	93.9	6.6	6.6	6.6	17.5	17.3	26.4	22.2	22.3	45.5
						0.2	148.0	23.1		35.3		8.1		93.9		6.6			17.1			22.3		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.2	135.0	23.0	23.0	35.3	35.3	8.1	8.1	93.5	93.5	6.5	6.5	6.5	35.8	35.5		68.4	68.8	
						0.2	133.0	23.0		35.3		8.0		93.4		6.5			35.2			69.2		
IM12	Fine	Moderate	12:20	13.0	S	0.3	163.0	23.1	23.1	35.2	35.2	8.2	8.2	96.2	96.1	6.7	6.7	6.7	6.8	7.0	12.7	9.7	9.0	9.9
						0.3	170.0	23.1		35.3		8.2		95.9		6.7			7.2			8.3		
					M	0.3	150.0	23.0	23.0	35.3	35.3	8.2	8.2	94.7	94.7	6.6	6.6		12.6	12.9		9.8	10.4	
						0.3	143.0	23.0		35.3		8.2		94.6		6.6			13.1			11.0		
					B	0.3	180.0	23.0	23.0	35.3	35.3	8.2	8.2	94.3	94.3	6.6	6.6	6.6	18.6	18.2		10.3	10.2	
						0.3	186.0	23.0		35.3		8.2		94.3		6.6			17.9			10.1		
IM13	Fine	Moderate	12:02	18.9	S	0.1	203.0	23.2	23.2	35.2	35.2	8.2	8.2	96.3	96.2	6.7	6.7	6.7	7.7	7.8	10.9	12.9	12.0	13.5
						0.1	197.0	23.2		35.2		8.2		96.1		6.7			7.9			11.1		
					M	0.1	192.0	22.9	22.9	35.2	35.2	8.2	8.2	94.3	94.3	6.6	6.6		11.2	11.4		15.3	14.6	
						0.1	197.0	22.9		35.2		8.2		94.3		6.6			11.5			13.9		
					B	0.1	200.0	22.9	22.9	35.2	35.2	8.2	8.2	94.1	94.1	6.6	6.6	6.6	13.3	13.4		13.3	13.8	
						0.1	199.0	22.9		35.2		8.2		94.1		6.6			13.4			14.2		
IM14	Fine	Moderate	11:56	11.0	S	0.2	202.0	23.1	23.1	35.3	35.3	8.2	8.2	93.1	93.0	6.5	6.5	6.5	9.9	10.0	13.3	14.0	14.2	14.4
						0.1	204.0	23.1		35.3		8.2		92.9		6.5			10.1			14.3		
					M	0.2	219.0	23.0	23.0	35.3	35.3	8.2	8.2	92.5	92.5	6.5	6.5		11.8	12.0		15.3	14.2	
						0.2	217.0	23.0		35.3		8.2		92.4		6.5			12.2			13.0		
					B	0.2	193.0	22.9	22.9	35.3	35.3	8.2	8.1	92.1	92.1	6.5	6.5	6.5	17.8	17.8		15.3	14.9	
						0.2	189.0	22.9		35.3		8.1		92.1		6.5			17.8			14.4		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/09** **Tide: Ebb 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
IM15	Cloudy	Calm	13:59	8.0	S	0.6	169.9	23.4	23.4	32.8	32.8	7.9	7.9	95.2	95.3	6.7	6.7	6.7	8.3	8.1	11.1	19.0	19.0	17.1
						0.6	169.9	23.4		32.8		7.9		95.3		6.7			7.9			18.9		
					M	1.2	180.5	23.1	23.1	33.3	33.3	7.9	7.9	93.2	93.3	6.6	6.6		10.1	9.4		10.7	11.8	
						1.2	180.5	23.1		33.3		7.9		93.3		6.6			8.7			12.8		
					B	0.4	209.0	23.0	23.0	33.3	33.3	7.8	7.8	92.0	91.9	6.5	6.5	6.5	14.9	15.9		21.6	20.5	
						0.2	169.3	23.0		33.3		7.8		91.8		6.5			16.9			19.4		
IM16A	Cloudy	Calm	13:34	8.3	S	0.2	161.6	23.1	23.1	32.2	32.2	7.9	7.9	93.6	93.9	6.7	6.7	6.6	10.2	10.0	18.6	14.3	14.5	25.2
						0.2	161.6	23.1		32.2		7.9		94.2		6.7			9.8			14.6		
					M	0.7	181.7	22.8	22.8	32.8	32.8	7.8	7.8	90.8	90.9	6.5	6.5		15.3	14.2		19.1	19.8	
						0.6	212.7	22.8		32.8		7.8		91.0		6.5			13.1			20.4		
					B	0.7	201.0	22.8	22.8	33.2	33.2	7.8	7.8	89.7	89.6	6.4	6.4	6.4	30.1	31.7		38.7	41.4	
						0.3	106.0	22.8		33.2		7.8		89.5		6.4			33.2			44.0		
IM17	Cloudy	Calm	12:36	5.8	S	0.9	214.6	23.2	23.2	32.8	32.8	7.8	7.8	91.0	91.4	6.4	6.5	6.4	9.2	8.6	12.4	17.1	17.1	19.2
						0.9	214.6	23.2		32.8		7.8		91.8		6.5			7.9			17.1		
					M	0.6	190.2	23.1	23.1	32.8	32.8	7.8	7.8	89.9	89.2	6.4	6.3		12.4	13.2		16.8	-	
						0.2	272.9	23.0		32.8		7.8		88.5		6.3			14.0			18.6		
					B	0.2	160.8	23.0	23.0	32.9	32.9	7.8	7.8	88.6	88.5	6.3	6.3	6.3	14.6	15.3		24.2	22.9	
						1.0	75.1	23.0		32.9		7.8		88.4		6.3			16.0			21.6		
IM18	Cloudy	Calm	12:48	18.0	S	0.7	129.0	23.2	23.2	32.6	32.6	7.8	7.8	88.2	88.6	6.3	6.3	6.3	8.5	8.2	12.9	11.2	11.2	18.5
						0.7	129.0	23.3		32.6		7.8		88.9		6.3			7.8			11.2		
					M	0.3	167.1	23.0	23.0	33.1	33.1	7.8	7.8	89.4	89.3	6.3	6.3		12.6	12.8		15.9	17.2	
						0.8	132.3	23.0		33.1		7.8		89.2		6.3			12.9			18.4		
					B	0.6	22.1	23.0	23.0	33.3	33.3	7.8	7.8	89.7	89.7	6.4	6.4	6.4	17.7	17.9		28.4	27.0	
						0.2	100.1	23.0		33.3		7.8		89.7		6.4			18.1			25.6		
IM19	Cloudy	Calm	12:17	18.1	S	0.7	231.3	23.7	23.7	32.9	32.8	7.8	7.8	89.8	89.8	6.3	6.3	6.3	6.3	6.3	6.1	9.8	9.0	8.0
						0.7	231.3	23.7		32.8		7.8		89.7		6.3			6.2			8.2		
					M	0.7	214.9	23.7	23.5	32.8	32.8	7.8	7.8	89.2	88.9	6.3	6.3		6.2	6.1		8.4	8.3	
						0.7	214.9	23.4		32.8		7.8		88.5		6.2			5.9			8.2		
					B	0.6	285.2	23.1	23.1	33.0	32.9	7.8	7.8	88.1	88.0	6.2	6.2	6.2	6.0	6.1		6.1	6.8	
						0.6	101.4	23.1		32.9		7.8		87.8		6.2			6.1			7.4		
IM20A	Cloudy	Calm	11:51	7.3	S	0.4	25.3	23.4	23.4	32.6	32.6	7.8	7.8	90.2	90.2	6.4	6.4	6.3	3.9	4.0	5.1	6.8	6.9	7.8
						0.9	287.5	23.3		32.5		7.8		90.1		6.4			4.1			6.9		
					M	0.3	307.4	23.3	23.3	32.8	32.7	7.8	7.8	88.8	89.2	6.3	6.3		5.5	5.1		8.6	8.8	
						0.2	203.4	23.4		32.6		7.8		89.5		6.3			4.7			8.9		
					B	0.6	271.9	23.3	23.3	32.9	32.9	7.8	7.8	89.3	89.2	6.3	6.3	6.3	6.0	6.3		7.2	7.8	
						0.1	4.0	23.3		32.9		7.8		89.1		6.3			6.6			8.4		
IM21A	Cloudy	Calm	11:59	7.0	S	0.3	161.0	23.3	23.3	32.5	32.5	7.8	7.8	88.8	88.8	6.3	6.3	6.3	4.8	4.8	6.7	5.7	5.3	8.0
						0.3	161.0	23.3		32.5		7.8		88.8		6.3			4.7			4.8		
					M	0.8	274.4	23.2	23.2	32.6	32.5	7.8	7.8	88.5	88.3	6.3	6.3		6.2	6.0		6.5	7.1	
						0.5	236.4	23.2		32.5		7.8		88.0		6.2			5.8			7.6		
					B	0.7	194.2	23.3	23.3	32.8	32.8	7.8	7.8	89.1	89.1	6.3	6.3	6.3	9.3	9.4		12.3	11.6	
						0.5	157.8	23.3		32.8		7.8		89.0		6.3			9.5			10.8		
IM22A	Cloudy	Calm	12:05	5.2	S	1.1	235.4	24.9	24.9	32.8	32.8	7.9	7.9	93.3	93.4	6.4	6.4	6.4	10.9	10.9	10.8	14.0	14.4	15.0
						1.1	235.4	24.9		32.8		7.9		93.5		6.4			10.8			14.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.1	261.5	24.6	24.7	32.7	32.8	7.8	7.8	93.9	93.9	6.5	6.5	6.5	10.5	10.7		16.7	15.7	
						1.1	261.5	24.7		32.8		7.8		93.8		6.5			10.8			14.6		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/11** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Fine	Moderate	07:16	10.6	S	0.2	313.0	22.7	22.7	32.4	32.4	8.1	8.1	83.6	83.7	6.0	6.0	6.0	4.1	4.1	5.4	7.3	7.2	6.6
						0.1	317.0	22.7		32.4		8.1		83.7		6.0			4.2			7.0		
					M	0.2	304.0	22.6	22.6	32.3	32.3	8.1	8.1	84.2	84.3	6.0	6.0		5.1	5.1		6.9	6.8	
						0.2	307.0	22.6		32.3		8.1		84.3		6.0			5.2			6.7		
					B	0.1	324.0	22.6	22.6	32.2	32.2	8.1	8.1	85.5	85.6	6.1	6.1		7.0	7.0		5.5	5.7	
						0.1	321.0	22.6		32.2		8.1		85.7		6.2			7.0			5.9		
E2	Cloudy	Moderate	07:12	8.1	S	0.1	257.0	23.6	23.6	35.1	35.1	8.1	8.1	99.2	99.2	6.9	6.9	6.9	3.6	3.7	6.8	5.8	5.7	6.2
						0.1	258.0	23.6		35.1		8.1		99.2		6.9			3.8			5.6		
					M	0.2	254.0	23.6	23.6	35.1	35.1	8.1	8.1	98.5	98.5	6.8	6.8		6.3	6.5		6.0	6.2	
						0.2	256.0	23.6		35.1		8.1		98.5		6.8			6.7			6.4		
					B	0.2	272.0	23.6	23.6	35.1	35.1	8.1	8.1	98.0	98.0	6.8	6.8	6.8	10.0	10.1		6.9	6.7	
						0.2	270.0	23.6		35.1		8.1		98.0		6.8			10.3			6.5		
E3	Fine	Moderate	08:00	16.2	S	0.3	312.0	23.3	23.3	35.0	35.0	8.2	8.2	96.8	96.8	6.8	6.8	6.7	14.0	13.9	20.5	18.0	18.3	22.6
						0.4	314.0	23.3		35.0		8.2		96.8		6.8			13.8			18.5		
					M	0.3	294.0	23.2	23.2	35.0	35.0	8.2	8.2	95.9	95.9	6.7	6.7		22.8	22.5		19.8	19.5	
						0.4	295.0	23.2		35.0		8.2		95.9		6.7			22.1			19.2		
					B	0.4	298.0	23.2	23.2	35.0	35.0	8.2	8.2	94.7	94.7	6.6	6.6	6.6	25.1	25.1		29.8	30.0	
						0.4	292.0	23.2		35.0		8.2		94.7		6.6			25.1			30.2		
E4	Fine	Moderate	08:53	10.0	S	0.5	26.0	23.4	23.4	33.7	33.7	8.2	8.2	93.4	93.4	6.6	6.5	6.5	14.8	14.8	19.5	12.4	12.6	15.2
						0.5	30.0	23.4		33.7		8.2		93.4		6.5			14.9			12.8		
					M	0.6	13.0	23.1	23.1	35.0	35.0	8.3	8.2	91.8	91.8	6.4	6.4		14.2	14.3		15.3	15.6	
						0.6	19.0	23.1		35.0		8.2		91.8		6.4			14.4			15.8		
					B	0.6	45.0	23.1	23.1	35.0	35.0	8.2	8.2	91.5	91.5	6.4	6.4	6.4	29.7	29.4		17.5	17.4	
						0.5	45.0	23.1		35.0		8.2		91.5		6.4			29.0			17.3		
E5	Cloudy	Calm	07:12	5.9	S	0.4	347.2	23.4	23.4	31.9	31.9	7.8	7.8	88.6	88.6	6.3	6.3	6.3	19.6	19.7	18.5	23.8	24.0	23.1
						0.4	347.2	23.4		31.9		7.8		88.6		6.3			19.8			24.2		
					M	0.9	301.2	23.4	23.4	31.9	31.9	7.7	7.7	88.6	88.6	6.3	6.3		17.6	18.2		22.9	23.1	
						0.5	309.6	23.4		31.9		7.8		88.6		6.3			18.7			23.2		
					B	0.6	348.1	23.4	23.4	31.9	31.9	7.7	7.7	88.9	88.8	6.3	6.3	6.3	18.0	17.6		22.5	22.3	
						0.4	201.6	23.4		31.9		7.7		88.7		6.3			17.2			22.0		
E6	Cloudy	Calm	09:17	6.1	S	1.1	337.0	23.6	23.6	30.7	30.7	7.8	7.8	87.3	87.4	6.2	6.2	6.2	17.3	16.7	19.6	18.4	18.7	22.3
						1.1	337.0	23.6		30.7		7.8		87.4		6.2			16.1			19.0		
					M	1.1	351.0	23.5	23.5	30.8	30.8	7.8	7.8	87.0	87.1	6.2	6.2		21.3	21.0		23.2	23.5	
						1.0	5.8	23.6		30.8		7.8		87.1		6.2			20.7			23.7		
					B	0.8	6.0	23.5	23.5	30.8	30.8	7.8	7.8	87.3	87.2	6.2	6.2	6.2	20.5	21.2		24.8	24.7	
						0.7	5.8	23.5		30.8		7.8		87.0		6.2			21.9			24.6		
E7A	Cloudy	Calm	09:35	4.4	S	1.3	10.8	23.6	23.6	29.8	29.8	7.8	7.8	88.8	88.7	6.3	6.3	6.3	7.3	7.3	7.8	7.8	7.6	8.5
						1.3	10.8	23.6		29.9		7.8		88.6		6.3			7.3			7.3		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.5	87.3	23.7	23.7	30.7	30.6	7.7	7.7	88.3	87.6	6.3	6.2	6.2	8.2	8.3		9.3	9.5	
						0.7	2.7	23.7		30.4		7.7		86.9		6.2			8.3			9.7		
F1	Fine	Moderate	08:12	18.0	S	0.2	319.0	22.6	22.6	32.4	32.4	8.2	8.2	98.0	98.0	7.0	7.0	7.0	1.3	1.3	2.3	5.8	6.0	7.3
						0.2	311.0	22.6		32.4		8.2		97.9		7.0			1.3			6.2		
					M	0.2	305.0	22.6	22.6	32.4	32.4	8.2	8.2	97.9	97.9	7.0	7.0		2.6	2.7		7.1	7.4	
						0.2	310.0	22.6		32.4		8.2		97.9		7.0			2.7			7.6		
					B	0.3	314.0	22.4	22.4	32.6	32.6	8.2	8.2	99.2	99.3	7.1	7.1	7.1	3.0	3.0		8.4	8.6	
						0.2	313.0	22.3		32.6		8.2		99.3		7.1			2.9			8.7		
F2	Fine	Moderate	08:42	23.8	S	0.2	286.0	22.6	22.6	32.4	32.4	8.2	8.2	96.5	96.5	6.9	6.9	6.9	1.2	1.1	2.6	7.1	7.2	7.7
						0.2	290.0	22.6		32.4		8.2		96.5		6.9			1.1			7.2		
					M	0.2	304.0	22.6	22.6	32.4	32.4	8.2	8.2	97.0	97.1	7.0	7.0		2.7	2.7		7.6	7.7	
						0.2	308.0	22.6		32.4		8.2		97.2		7.0			2.6			7.7		
					B	0.2	293.0	22.3	22.3	32.6	32.6	8.2	8.2	98.6	98.7	7.1	7.1	7.1	3.9	3.9		8.4	8.3	
						0.2	288.0	22.2		32.7		8.2		98.8		7.1			3.9			8.2		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/11** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Fine	Moderate	10:06	17.0	S	0.2	306.0	22.2	22.2	32.3	32.3	8.2	8.2	96.9	96.9	7.0	7.0	7.0	5.4	5.4	6.4	10.5	10.2	8.5
						0.2	302.0	22.2		32.3		8.2		96.8		7.0			5.4			9.9		
					M	0.2	305.0	22.2	22.2	32.3	32.3	8.2	8.2	96.8	96.8	7.0	7.0		6.7	6.7		8.3	8.1	
						0.2	310.0	22.2		32.3		8.2		96.8		7.0			6.7			7.9		
					B	0.2	285.0	22.2	22.2	32.3	32.3	8.2	8.2	97.7	97.9	7.1	7.1	7.1	7.0	7.0		7.2	7.1	
						0.2	280.0	22.2		32.3		8.2		98.0		7.1			7.1			6.9		
F4	Cloudy	Moderate	07:32	13.0	S	0.2	271.0	23.3	23.3	35.1	35.1	8.2	8.2	94.8	94.8	6.6	6.6	6.6	9.2	9.5	18.5	12.6	12.8	14.9
						0.2	271.0	23.3		35.1		8.2		94.8		6.6			9.7			13.0		
					M	0.2	277.0	23.3	23.3	35.1	35.1	8.2	8.2	94.3	94.3	6.6	6.6		22.0	21.9		15.8	15.6	
						0.2	279.0	23.3		35.1		8.2		94.3		6.6			21.7			15.3		
					B	0.2	284.0	23.3	23.3	35.1	35.1	8.2	8.2	94.1	94.1	6.6	6.6	6.6	24.1	24.1		16.6	16.3	
						0.2	285.0	23.3		35.1		8.2		94.1		6.6			24.1			16.0		
F5	Fine	Moderate	09:20	5.7	S	0.3	18.0	23.5	23.5	34.0	34.0	8.2	8.2	91.3	91.3	6.4	6.4	6.4	8.8	8.8	21.5	10.9	11.1	14.1
						0.3	11.0	23.5		34.0		8.2		91.3		6.4			8.9			11.3		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	43.0	23.5	23.5	34.0	34.0	8.2	8.2	91.0	91.1	6.4	6.4	6.4	34.1	34.1		17.2	17.1	
						0.3	41.0	23.5		34.0		8.2		91.1		6.4			34.1			17.0		
F6	Cloudy	Calm	08:31	13.8	S	0.9	10.2	24.0	24.0	31.6	31.6	7.8	7.8	87.3	87.3	6.1	6.1	6.2	4.4	4.2	9.4	5.0	5.3	11.1
						0.4	225.1	24.0		31.6		7.8		87.3		6.1			4.0			5.6		
					M	0.2	297.3	23.5	23.5	31.9	31.9	7.8	7.8	87.6	87.5	6.2	6.2		8.9	8.7		10.3	10.4	
						0.3	106.6	23.5		31.9		7.8		87.4		6.2			8.5			10.4		
					B	0.5	280.0	23.5	23.5	31.9	31.9	7.8	7.8	87.3	87.2	6.2	6.2	6.2	15.1	15.4		17.2	17.5	
						0.4	309.9	23.5		31.9		7.8		87.1		6.2			15.7			17.8		
IM1	Fine	Moderate	07:56	14.0	S	0.2	11.0	22.5	22.5	32.3	32.3	8.2	8.2	99.3	99.3	7.1	7.1	7.1	3.5	3.4	4.3	6.2	6.2	6.6
						0.2	8.0	22.5		32.4		8.2		99.2		7.1			3.4			6.2		
					M	0.2	2.0	22.5	22.5	32.4	32.4	8.2	8.2	98.9	99.0	7.1	7.1		4.6	4.5		6.5	6.7	
						0.2	3.0	22.5		32.4		8.2		99.0		7.1			4.5			6.8		
					B	0.2	353.0	22.3	22.3	32.5	32.5	8.2	8.2	99.5	99.5	7.2	7.2	7.2	5.1	5.1		6.9	6.8	
						0.2	354.0	22.3		32.5		8.2		99.4		7.2			5.1			6.7		
IM2	Fine	Moderate	07:37	12.6	S	0.1	258.0	22.6	22.6	32.5	32.5	8.1	8.1	84.1	84.2	6.0	6.0	6.1	7.3	7.3	8.3	6.6	6.8	7.3
						0.2	259.0	22.6		32.5		8.1		84.3		6.0			7.3			6.9		
					M	0.1	258.0	22.6	22.6	32.4	32.4	8.1	8.1	84.9	85.1	6.1	6.1		8.5	8.5		7.2	7.4	
						0.1	255.0	22.6		32.4		8.1		85.3		6.1			8.5			7.6		
					B	0.1	269.0	22.6	22.6	32.3	32.3	8.1	8.1	87.1	87.3	6.3	6.3	6.3	9.0	9.1		7.7	7.9	
						0.1	265.0	22.6		32.3		8.1		87.4		6.3			9.1			8.0		
IM3	Fine	Moderate	09:06	14.2	S	0.2	263.0	22.8	22.8	32.5	32.5	8.2	8.2	94.1	94.1	6.7	6.7	6.7	3.3	3.4	4.5	9.2	9.5	8.3
						0.2	269.0	22.8		32.5		8.2		94.0		6.7			3.5			9.7		
					M	0.3	254.0	22.8	22.8	32.5	32.5	8.2	8.2	94.0	94.0	6.7	6.7		4.2	4.2		8.0	8.2	
						0.3	246.0	22.8		32.5		8.2		94.0		6.7			4.3			8.4		
					B	0.3	265.0	22.7	22.7	32.7	32.7	8.2	8.2	96.1	96.3	6.9	6.9	6.9	5.8	5.8		7.5	7.3	
						0.3	263.0	22.6		32.7		8.2		96.4		6.9			5.8			7.0		
IM4	Fine	Moderate	09:27	16.0	S	0.3	277.0	22.3	22.3	32.3	32.3	8.3	8.3	99.3	99.3	7.2	7.2	7.2	3.5	3.5	4.3	7.6	7.4	8.0
						0.3	278.0	22.3		32.3		8.3		99.3		7.2			3.5			7.2		
					M	0.3	260.0	22.2	22.2	32.2	32.2	8.3	8.3	98.7	98.7	7.1	7.1		4.1	4.1		8.0	7.8	
						0.3	257.0	22.2		32.2		8.3		98.7		7.1			4.1			7.6		
					B	0.3	274.0	22.2	22.2	32.2	32.2	8.3	8.3	98.9	99.0	7.2	7.2	7.2	5.3	5.2		8.8	8.9	
						0.2	272.0	22.2		32.2		8.3		99.1		7.2			5.2			9.0		
IM5	Fine	Moderate	09:46	13.8	S	0.2	281.0	22.0	22.0	32.2	32.2	8.3	8.3	97.6	97.6	7.1	7.1	7.1	4.7	4.7	5.3	7.8	8.0	7.5
						0.3	279.0	22.0		32.2		8.3		97.5		7.1			4.7			8.1		
					M	0.2	294.0	22.0	22.0	32.2	32.2	8.2	8.2	97.5	97.5	7.1	7.1		5.0	5.0		7.3	7.4	
						0.2	291.0	22.0		32.2		8.2		97.5		7.1			5.1			7.4		
					B	0.2	291.0	22.1	22.1	32.2	32.2	8.2	8.2	97.8	97.9	7.1	7.1	7.1	6.3	6.3		7.2	7.3	
						0.2	292.0	22.1		32.2		8.2		97.9		7.1			6.3			7.3		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/11** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM6	Fine	Moderate	09:58	16.4	S	0.2	298.0	22.1	22.1	32.2	32.2	8.3	8.3	97.4	97.4	7.1	7.1	7.0	5.3	5.3	6.3	7.0	7.1	6.6
						0.1	300.0	22.1		32.2		8.3		97.3		7.1			5.3			7.1		
					M	0.2	301.0	22.1	22.1	32.3	32.3	8.3	8.3	97.1	97.1	7.0	7.0		6.2	6.1		6.8	6.7	
						0.2	302.0	22.1		32.3		8.3		97.1		7.0			6.1			6.6		
					B	0.2	279.0	22.1	22.1	32.2	32.2	8.2	8.2	98.3	98.5	7.1	7.1	7.1	7.5	7.6		6.3	6.1	
						0.2	272.0	22.1		32.2		8.2		98.6		7.1			7.6			5.9		
IM7	Fine	Moderate	10:26	15.2	S	0.2	278.0	22.2	22.2	32.3	32.3	8.2	8.2	97.8	97.9	7.1	7.1	7.1	5.5	5.5	6.5	9.2	9.1	8.0
						0.1	271.0	22.2		32.3		8.2		97.9		7.1			5.6			8.9		
					M	0.2	296.0	22.2	22.2	32.3	32.3	8.2	8.2	98.3	98.4	7.1	7.1		6.2	6.2		8.1	7.9	
						0.1	302.0	22.2		32.3		8.2		98.5		7.1			6.1			7.7		
					B	0.2	308.0	22.2	22.3	32.3	32.3	8.2	8.2	99.2	99.3	7.2	7.2	7.2	8.0	7.9		7.0	7.0	
						0.1	315.0	22.3		32.3		8.2		99.4		7.2			7.9			6.9		
IM8	Fine	Moderate	10:34	12.2	S	0.2	291.0	22.3	22.3	32.3	32.3	8.3	8.3	98.0	98.0	7.1	7.1	7.1	3.1	3.1	4.4	6.6	6.7	7.2
						0.2	285.0	22.3		32.3		8.3		97.9		7.1			3.1			6.7		
					M	0.2	275.0	22.3	22.3	32.3	32.3	8.3	8.3	97.8	97.8	7.1	7.1		4.5	4.5		7.0	7.1	
						0.2	276.0	22.3		32.3		8.3		97.8		7.1			4.6			7.2		
					B	0.2	264.0	22.3	22.3	32.3	32.3	8.3	8.3	97.9	97.9	7.1	7.1	7.1	5.7	5.7		7.6	7.8	
						0.2	264.0	22.3		32.3		8.3		97.9		7.1			5.6			8.0		
IM9	Fine	Moderate	10:56	15.2	S	0.3	291.0	22.2	22.2	32.3	32.3	8.2	8.2	98.0	98.0	7.1	7.1	7.0	7.6	7.6	8.5	8.6	8.4	7.3
						0.3	296.0	22.2		32.3		8.2		97.9		7.1			7.6			8.2		
					M	0.3	314.0	22.2	22.2	32.2	32.2	8.2	8.2	97.0	97.0	7.0	7.0		8.8	8.8		7.4	7.2	
						0.3	314.0	22.2		32.2		8.2		96.9		7.0			8.9			7.0		
					B	0.3	299.0	22.2	22.2	32.2	32.1	8.2	8.2	97.4	97.6	7.0	7.1	7.1	9.1	9.1		6.2	6.4	
						0.3	297.0	22.2		32.1		8.2		97.7		7.1			9.1			6.6		
IM10	Fine	Moderate	08:12	10.5	S	0.4	231.0	23.3	23.3	35.1	35.1	8.2	8.2	93.9	93.9	6.6	6.6	6.5	12.4	13.0	18.9	16.9	17.1	19.7
						0.4	237.0	23.2		35.1		8.2		93.9		6.6			13.6			17.2		
					M	0.4	228.0	23.2	23.2	35.1	35.1	8.2	8.2	93.4	93.4	6.5	6.5		21.8	21.7		18.7	18.7	
						0.5	234.0	23.2		35.1		8.1		93.4		6.5			21.7			18.6		
					B	0.4	254.0	23.2	23.2	35.0	35.0	8.1	8.1	92.5	92.5	6.5	6.5	6.5	21.9	21.9		23.2	23.4	
						0.4	259.0	23.2		35.0		8.1		92.5		6.5			21.9			23.6		
IM11A	Fine	Moderate	08:19	5.1	S	0.8	314.0	23.2	23.2	35.1	35.1	8.2	8.2	93.5	93.5	6.5	6.5	6.5	45.0	44.0	50.2	55.8	55.4	94.7
						0.8	308.0	23.2		35.1		8.2		93.5		6.5			43.0			55.0		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.8	323.0	23.2	23.2	35.1	35.1	8.2	8.2	93.2	93.2	6.5	6.5	6.5	56.2	56.3		132.0	134.0	
						0.8	319.0	23.2		35.1		8.2		93.1		6.5			56.4			136.0		
IM12	Fine	Moderate	08:25	11.0	S	0.8	348.0	23.2	23.2	35.0	35.0	8.2	8.2	94.6	94.6	6.6	6.6	6.6	25.8	25.9	29.1	32.9	33.1	55.9
						0.8	344.0	23.2		35.0		8.2		94.6		6.6			26.1			33.3		
					M	0.8	319.0	23.2	23.2	35.0	35.0	8.2	8.2	94.0	94.0	6.6	6.6		28.2	28.6		34.6	34.6	
						0.8	324.0	23.2		35.0		8.2		94.0		6.6			28.9			34.5		
					B	0.8	341.0	23.2	23.2	35.0	35.0	8.2	8.2	93.7	93.7	6.6	6.6	6.6	32.8	32.8		99.8	99.9	
						0.9	340.0	23.2		35.0		8.2		93.7		6.6			32.8			100.0		
IM13	Fine	Moderate	08:40	17.4	S	0.6	16.0	23.1	23.1	35.0	35.0	8.2	8.2	92.7	92.7	6.5	6.5	6.5	26.8	27.1	32.3	43.3	43.6	49.4
						0.6	16.0	23.1		35.0		8.2		92.6		6.5			27.3			43.8		
					M	0.6	30.0	23.1	23.1	35.0	35.0	8.2	8.2	92.2	92.2	6.5	6.5		36.3	36.3		46.6	46.9	
						0.6	28.0	23.1		35.0		8.2		92.2		6.5			36.3			47.2		
					B	0.6	14.0	23.1	23.1	35.0	35.0	8.2	8.2	91.0	91.0	6.4	6.4	6.4	33.5	33.6		57.4	57.7	
						0.6	16.0	23.1		35.0		8.2		91.0		6.4			33.7			58.0		
IM14	Fine	Moderate	08:46	10.8	S	0.5	41.0	23.3	23.3	34.8	34.8	8.2	8.2	93.1	93.1	6.5	6.5	6.5	12.0	12.2	23.3	16.3	16.1	20.7
						0.5	47.0	23.3		34.8		8.2		93.0		6.5			12.4			15.8		
					M	0.5	30.0	23.1	23.1	35.0	35.0	8.2	8.2	91.9	91.9	6.4	6.4		27.8	27.5		14.7	14.9	
						0.5	34.0	23.1		35.0		8.2		91.9		6.4			27.2			15.0		
					B	0.5	37.0	23.1	23.1	35.0	35.0	8.2	8.2	91.7	91.7	6.4	6.4	6.4	30.0	30.2		31.5	31.3	
						0.5	38.0	23.1		35.0		8.2		91.6		6.4			30.4			31.0		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/11** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM15	Cloudy	Calm	07:00	7.1	S	0.6	246.0	23.4	23.4	31.7	31.7	7.7	7.7	87.9	88.1	6.2	6.2	6.2	18.2	18.4	20.6	25.3	25.5	28.7
						0.6	246.0	23.4		31.7		7.7		88.2		6.3			18.6			25.7		
					M	0.6	327.0	23.4	23.4	31.7	31.7	7.8	7.7	88.1	88.0	6.3	6.2		21.8	20.9		28.3	28.1	
						0.8	314.8	23.4		31.7		7.7		87.9		6.2			20.0			27.9		
					B	0.8	325.5	23.4	23.4	31.7	31.7	7.8	7.8	87.8	87.9	6.2	6.2		22.0	22.5		32.2	32.5	
						0.3	265.0	23.4		31.7		7.8		87.9		6.2			22.9			32.8		
IM16A	Cloudy	Calm	07:27	7.0	S	0.7	351.8	23.4	23.4	31.7	31.7	7.8	7.8	87.8	87.8	6.2	6.2	6.2	15.6	15.6	16.8	18.6	18.8	20.2
						0.7	351.8	23.4		31.8		7.8		87.8		6.2			15.6			18.9		
					M	0.4	358.3	23.4	23.4	31.8	31.7	7.8	7.8	87.8	87.7	6.2	6.2		17.7	17.2		20.2	20.5	
						0.4	358.3	23.4		31.7		7.8		87.6		6.2			16.7			20.8		
					B	0.8	357.1	23.4	23.4	31.8	31.8	7.7	7.7	87.9	87.8	6.2	6.2	6.2	17.6	17.7		21.6	21.3	
						1.1	256.8	23.4		31.8		7.7		87.7		6.2			17.7			21.0		
IM17	Cloudy	Calm	07:52	4.7	S	0.9	355.4	23.4	23.4	30.3	30.3	7.8	7.8	88.1	88.3	6.3	6.3	6.3	10.6	10.2	12.2	11.4	11.7	12.3
						0.9	355.4	23.4		30.3		7.8		88.4		6.3			9.8			11.9		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	347.8	23.5	23.5	31.6	31.6	7.8	7.8	86.9	86.7	6.2	6.1	6.1	12.8	14.3		12.7	12.9	
						0.3	347.8	23.5		31.6		7.8		86.4		6.1			15.7			13.0		
IM18	Cloudy	Calm	08:02	16.7	S	0.8	270.0	23.6	23.6	30.3	30.3	7.8	7.8	88.0	88.0	6.3	6.3	6.2	10.6	10.4	13.8	10.6	10.4	17.2
						0.8	270.0	23.6		30.3		7.8		88.0		6.3			10.2			10.1		
					M	0.3	27.3	23.5	23.5	31.0	31.0	7.8	7.8	86.6	86.7	6.2	6.2		15.3	15.8		21.8	22.0	
						0.2	101.9	23.5		31.0		7.8		86.8		6.2			16.2			22.2		
					B	0.4	334.0	23.5	23.5	31.6	31.6	7.8	7.8	85.7	85.8	6.1	6.1	6.1	15.0	15.2		19.0	19.3	
						0.8	89.0	23.5		31.6		7.8		85.8		6.1			15.3			19.5		
IM19	Cloudy	Calm	08:57	17.7	S	0.8	6.6	23.7	23.7	30.5	30.6	7.8	7.8	87.8	87.8	6.2	6.2	6.2	5.7	5.7	13.8	7.6	7.4	15.6
						0.8	6.6	23.7		30.6		7.8		87.8		6.2			5.7			7.2		
					M	0.5	333.4	23.7	23.7	32.1	32.1	7.8	7.8	87.0	87.1	6.1	6.1		12.4	12.0		12.8	13.1	
						0.9	321.1	23.7		32.1		7.8		87.2		6.1			11.6			13.4		
					B	0.4	54.9	23.7	23.7	32.1	32.1	7.8	7.8	86.4	86.4	6.1	6.1	6.1	22.5	23.8		26.4	26.2	
						0.4	54.9	23.7		32.1		7.8		86.3		6.1			25.0			25.9		
IM20A	Cloudy	Calm	09:50	6.3	S	1.0	18.5	23.8	23.8	30.8	30.8	7.8	7.8	87.7	87.9	6.2	6.2	6.2	5.6	5.6	7.0	7.3	7.1	9.1
						1.0	18.5	23.8		30.8		7.8		88.1		6.2			5.6			6.8		
					M	0.6	37.1	23.8	23.8	31.1	31.1	7.8	7.8	87.7	87.8	6.2	6.2		7.9	7.9		10.5	10.7	
						0.5	18.4	23.8		31.1		7.8		87.8		6.2			7.9			10.9		
					B	0.8	76.3	23.8	23.8	31.0	31.0	7.8	7.8	88.5	88.5	6.3	6.3	6.3	7.0	7.5		9.5	9.7	
						0.4	14.2	23.8		31.1		7.8		88.5		6.3			7.9			9.8		
IM21A	Cloudy	Calm	09:57	6.4	S	0.5	186.3	23.9	23.8	30.7	30.7	7.8	7.8	88.6	88.7	6.3	6.3	6.3	5.2	5.2	5.6	6.4	6.6	7.1
						0.5	186.3	23.8		30.7		7.8		88.7		6.3			5.2			6.7		
					M	1.2	50.3	24.1	24.2	30.9	30.9	7.8	7.8	88.9	89.0	6.3	6.3		5.7	5.9		7.0	7.1	
						0.3	267.3	24.3		30.9		7.8		89.0		6.2			6.1			7.1		
					B	0.3	12.7	24.9	24.5	30.9	30.9	7.8	7.8	91.0	90.1	6.3	6.3	6.3	5.8	5.7		7.8	7.8	
						1.1	55.6	24.1		30.9		7.8		89.1		6.3			5.6			7.8		
IM22A	Cloudy	Calm	10:04	4.3	S	0.5	40.8	23.8	23.8	30.8	30.8	7.8	7.8	88.6	88.8	6.3	6.3	6.3	5.0	4.8	5.1	6.1	6.0	7.3
						0.5	40.8	23.8		30.8		7.8		89.0		6.3			4.6			5.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.5	22.6	23.8	23.8	31.0	31.0	7.7	7.7	87.7	87.8	6.2	6.2	6.2	5.4	5.4		8.9	8.7	
						0.2	134.5	23.8		30.9		7.8		87.9		6.2			5.4			8.4		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/11** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Fine	Moderate	16:12	12.4	S	0.1	200.0	22.7	22.7	32.4	32.4	8.2	8.2	100.2	100.0	7.2	7.1	6.9	3.0	3.0	3.7	8.0	8.2	7.2
						0.1	202.0	22.7		32.5		8.2		99.8		7.1			3.0			8.4		
					M	0.1	204.0	22.8	22.8	32.5	32.5	8.2	8.2	93.8	93.7	6.7	6.7		3.3	3.4		7.6	7.3	
						0.1	199.0	22.8		32.5		8.2		93.6		6.7			3.5			7.0		
					B	0.1	195.0	22.8	22.8	32.5	32.5	8.2	8.2	93.4	93.5	6.7	6.7	6.7	4.9	4.8		5.9	6.1	
						0.1	192.0	22.8		32.5		8.2		93.5		6.7			4.8			6.2		
E2	Fine	Moderate	14:53	8.6	S	0.1	80.0	23.4	23.4	35.0	35.0	8.2	8.2	102.4	102.5	7.1	7.1	7.0	2.3	2.3	4.0	4.4	4.3	4.9
						0.1	81.0	23.4		35.0		8.2		102.5		7.1			2.4			4.2		
					M	0.1	65.0	23.3	23.3	35.0	35.0	8.2	8.2	98.7	98.7	6.9	6.9		3.5	3.7		4.8	4.9	
						0.1	70.0	23.3		35.0		8.2		98.6		6.9			3.9			5.0		
					B	0.1	73.0	23.3	23.3	35.0	35.0	8.2	8.2	98.0	98.0	6.8	6.8	6.8	6.0	6.0		5.3	5.5	
						0.1	72.0	23.3		35.0		8.2		98.0		6.8			6.1			5.6		
E3	Fine	Moderate	13:57	15.8	S	0.1	91.0	23.7	23.7	35.0	35.0	8.2	8.2	98.9	98.9	6.9	6.9	6.8	4.2	4.2	8.2	12.2	12.5	10.6
						0.1	98.0	23.7		35.0		8.2		98.8		6.9			4.2			12.8		
					M	0.1	101.0	23.3	23.3	35.1	35.1	8.2	8.2	95.4	95.4	6.7	6.7		7.8	7.9		7.2	7.0	
						0.1	105.0	23.3		35.1		8.2		95.3		6.7			8.0			6.8		
					B	0.1	112.0	23.3	23.3	35.1	35.1	8.2	8.2	94.6	94.6	6.6	6.6	6.6	12.2	12.4		12.0	12.3	
						0.1	110.0	23.3		35.1		8.2		94.6		6.6			12.6			12.5		
E4	Fine	Moderate	12:52	11.2	S	0.2	22.0	23.4	23.4	34.9	34.9	8.2	8.2	93.4	93.4	6.5	6.5	6.5	8.8	8.8	21.2	15.7	15.5	14.4
						0.2	20.0	23.4		34.9		8.2		93.4		6.5			8.8			15.2		
					M	0.2	21.0	23.1	23.1	35.0	35.0	8.2	8.2	91.9	91.9	6.4	6.4		21.0	21.1		14.1	14.0	
						0.2	19.0	23.1		35.0		8.2		91.9		6.4			21.2			13.9		
					B	0.1	46.0	23.1	23.1	35.0	35.0	8.2	8.2	91.8	91.8	6.4	6.4	6.4	33.9	33.7		13.6	13.7	
						0.2	50.0	23.1		35.0		8.2		91.8		6.4			33.4			13.8		
E5	Fine	Calm	14:46	6.8	S	0.4	142.8	24.2	24.2	31.6	31.6	7.9	7.9	95.5	95.7	6.7	6.7	6.7	7.8	7.9	8.7	9.4	9.5	10.3
						0.4	142.8	24.2		31.6		7.9		95.8		6.7			7.9			9.6		
					M	0.3	273.2	23.5	23.5	32.1	32.1	7.8	7.8	93.9	94.2	6.6	6.7		8.7	8.4		10.0	10.2	
						0.2	340.5	23.5		32.1		7.8		94.5		6.7			8.0			10.3		
					B	0.5	55.9	23.7	23.6	31.9	32.0	7.8	7.8	96.6	96.4	6.8	6.8	6.8	9.7	9.9		11.5	11.4	
						0.6	324.4	23.6		32.0		7.8		96.2		6.8			10.1			11.2		
E6	Fine	Calm	12:21	6.8	S	0.6	41.0	23.6	23.6	31.5	31.5	7.8	7.8	86.9	86.9	6.2	6.2	6.1	9.9	9.6	18.5	12.6	12.4	21.8
						0.6	41.0	23.6		31.5		7.8		86.9		6.2			9.3			12.2		
					M	0.6	29.9	23.5	23.5	32.1	32.1	7.8	7.8	86.2	86.2	6.1	6.1		19.4	19.5		19.7	19.9	
						0.1	355.6	23.5		32.1		7.8		86.1		6.1			19.5			20.0		
					B	0.1	81.2	23.5	23.5	32.2	32.2	7.8	7.8	86.2	86.2	6.1	6.1	6.1	26.7	26.5		33.4	33.2	
						0.2	61.0	23.5		32.2		7.8		86.1		6.1			26.3			33.0		
E7A	Fine	Calm	12:39	5.3	S	0.1	77.0	23.9	23.9	31.4	31.4	7.7	7.7	86.1	86.2	6.1	6.1	6.1	6.5	6.2	6.2	9.8	9.6	9.0
						0.1	77.0	24.0		31.4		7.7		86.2		6.1			5.9			9.3		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.2	10.2	23.9	24.0	31.4	31.4	7.7	7.7	87.1	87.1	6.1	6.1	6.1	5.6	6.1		8.2	8.5	
						0.2	10.2	24.1		31.3		7.7		87.1		6.1			6.6			8.8		
F1	Fine	Moderate	15:22	17.8	S	0.1	176.0	22.7	22.7	32.4	32.4	8.2	8.2	100.9	100.7	7.2	7.2	7.0	2.3	2.4	3.9	8.5	8.7	7.6
						0.1	178.0	22.7		32.4		8.2		100.5		7.2			2.5			8.9		
					M	0.1	191.0	22.7	22.7	32.4	32.4	8.2	8.2	95.1	95.0	6.8	6.8		3.5	3.5		7.3	7.5	
						0.1	187.0	22.7		32.4		8.2		94.8		6.8			3.5			7.7		
					B	0.1	204.0	22.5	22.5	32.6	32.6	8.2	8.2	96.5	98.4	6.9	7.1	7.1	5.9	5.9		6.8	6.5	
						0.1	207.0	22.5		32.6		8.2		100.2		7.2			5.8			6.2		
F2	Fine	Moderate	14:56	22.7	S	0.1	102.0	22.8	22.8	32.5	32.5	8.2	8.2	96.0	95.8	6.9	6.8	6.8	2.7	2.8	4.4	6.3	6.5	7.2
						0.1	104.0	22.8		32.5		8.2		95.6		6.8			2.8			6.7		
					M	0.1	105.0	22.8	22.8	32.5	32.5	8.2	8.2	94.8	94.8	6.8	6.8		4.8	4.9		7.0	7.1	
						0.1	102.0	22.8		32.5		8.2		94.8		6.8			5.0			7.2		
					B	0.1	121.0	22.8	22.8	32.5	32.5	8.2	8.2	98.0	98.2	7.0	7.0	7.0	5.4	5.4		7.7	7.9	
						0.1	127.0	22.8		32.5		8.3		98.4		7.0			5.4			8.0		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/11** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Fine	Moderate	13:10	15.0	S	0.1	109.0	22.2	22.2	32.3	32.3	8.3	8.3	97.3	97.3	7.0	7.0	7.0	3.8	3.9	4.7	6.3	6.6	7.5
						0.1	115.0	22.2		32.3		8.3		97.2		7.0			3.9			6.8		
					M	0.1	110.0	22.1	22.1	32.3	32.3	8.2	8.2	96.4	96.4	7.0	7.0		4.8	4.8		7.4	7.2	
						0.1	116.0	22.1		32.3		8.2		96.4		7.0			4.8			7.0		
					B	0.1	122.0	22.2	22.3	32.2	32.2	8.2	8.2	96.7	96.8	7.0	7.0		5.4	5.5		8.8	8.7	
						0.1	123.0	22.3		32.2		8.2		96.9		7.0			5.5			8.6		
F4	Fine	Moderate	14:32	13.3	S	0.1	94.0	23.9	23.9	35.0	35.0	8.2	8.2	102.5	102.5	7.1	7.1	7.0	2.0	2.0	3.5	4.2	4.0	5.5
						0.1	90.0	23.8		35.0		8.2		102.5		7.1			2.0			3.8		
					M	0.1	96.0	23.5	23.5	35.0	35.0	8.2	8.2	98.6	98.6	6.9	6.8		3.1	3.2		5.5	5.4	
						0.1	95.0	23.5		35.1		8.2		98.5		6.8			3.2			5.2		
					B	0.1	68.0	23.5	23.5	35.1	35.1	8.2	8.2	97.4	97.4	6.8	6.8	6.8	5.2	5.2		7.0	7.3	
						0.1	66.0	23.5		35.1		8.2		97.3		6.8			5.2			7.5		
F5	Fine	Moderate	12:22	5.8	S	0.1	18.0	23.5	23.5	33.9	33.9	8.1	8.1	91.0	91.0	6.4	6.4	6.4	8.0	8.0	15.3	7.7	13.0	12.1
						0.1	15.0	23.5		34.0		8.1		90.9		6.4			8.1			18.3		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.2	27.0	23.5	23.5	34.1	34.1	8.2	8.2	89.7	89.7	6.3	6.3	6.3	22.3	22.6		13.9	11.2	
						0.2	31.0	23.5		34.1		8.2		89.6		6.3			22.9			8.4		
F6	Fine	Calm	14:11	14.5	S	0.6	123.4	23.8	23.7	32.1	32.1	7.8	7.8	89.9	89.9	6.3	6.3	6.3	6.6	6.7	7.7	7.6	7.8	8.3
						0.6	123.4	23.7		32.1		7.8		89.9		6.3			6.8			7.9		
					M	0.3	43.2	23.5	23.5	32.5	32.5	7.8	7.8	88.5	88.7	6.2	6.3		7.6	7.9		9.3	9.5	
						0.7	19.4	23.5		32.6		7.8		88.8		6.3			8.1			9.7		
					B	0.6	185.1	23.5	23.5	32.7	32.7	7.8	7.8	89.4	89.3	6.3	6.3	6.3	7.9	8.5		7.8	7.5	
						0.4	43.6	23.5		32.7		7.8		89.2		6.3			9.1			7.2		
IM1	Fine	Moderate	15:36	11.4	S	0.1	147.0	22.4	22.4	32.3	32.3	8.3	8.3	101.4	101.2	7.3	7.3	7.2	1.9	1.9	2.5	5.4	5.7	6.3
						0.1	149.0	22.4		32.3		8.3		100.9		7.3			1.8			5.9		
					M	0.1	130.0	22.4	22.4	32.3	32.3	8.3	8.3	100.2	100.2	7.2	7.2		2.6	2.6		6.5	6.4	
						0.1	124.0	22.4		32.3		8.3		100.1		7.2			2.7			6.2		
					B	0.1	109.0	22.4	22.4	32.3	32.3	8.2	8.2	99.8	99.8	7.2	7.2	7.2	3.1	3.0		6.8	7.0	
						0.1	109.0	22.4		32.2		8.2		99.8		7.2			3.0			7.2		
IM2	Fine	Moderate	15:53	10.2	S	0.1	179.0	22.5	22.5	32.3	32.3	8.3	8.3	101.7	101.5	7.3	7.3	7.3	2.6	2.6	3.5	7.7	7.5	8.2
						0.1	179.0	22.5		32.3		8.3		101.3		7.3			2.6			7.3		
					M	0.1	205.0	22.4	22.4	32.3	32.3	8.3	8.2	100.9	100.8	7.3	7.3		3.5	3.5		8.2	8.3	
						0.1	199.0	22.4		32.3		8.2		100.7		7.3			3.5			8.4		
					B	0.1	188.0	22.3	22.3	32.4	32.4	8.2	8.2	100.3	100.3	7.2	7.2	7.2	4.4	4.5		9.0	8.9	
						0.1	189.0	22.2		32.4		8.2		100.2		7.2			4.6			8.8		
IM3	Fine	Moderate	14:35	16.2	S	0.1	84.0	22.3	22.3	32.2	32.2	8.3	8.3	100.3	100.2	7.2	7.2	7.2	1.0	1.1	2.2	7.3	7.5	8.0
						0.1	81.0	22.2		32.2		8.3		100.1		7.2			1.1			7.7		
					M	0.1	72.0	22.1	22.1	32.2	32.2	8.3	8.3	99.0	99.0	7.2	7.2		2.2	2.2		7.7	7.9	
						0.1	68.0	22.1		32.2		8.3		98.9		7.2			2.2			8.0		
					B	0.1	92.0	22.2	22.3	32.0	32.0	8.3	8.2	99.3	99.3	7.2	7.2	7.2	3.5	3.5		8.6	8.6	
						0.1	86.0	22.3		32.0		8.2		99.3		7.2			3.4			8.6		
IM4	Fine	Moderate	14:14	15.4	S	0.1	135.0	22.0	22.0	32.2	32.2	8.3	8.3	98.6	98.6	7.2	7.2	7.1	2.6	2.6	3.6	7.6	7.8	8.4
						0.1	137.0	22.0		32.2		8.3		98.5		7.1			2.6			8.0		
					M	0.1	132.0	22.0	22.0	32.1	32.1	8.3	8.3	98.1	98.1	7.1	7.1		3.4	3.4		8.8	8.6	
						0.1	128.0	22.0		32.1		8.3		98.1		7.1			3.5			8.3		
					B	0.1	125.0	22.0	22.0	32.1	32.1	8.3	8.3	98.5	98.6	7.1	7.1	7.1	4.7	4.6		8.8	8.7	
						0.1	120.0	22.0		32.1		8.3		98.6		7.2			4.5			8.6		
IM5	Fine	Moderate	13:57	14.6	S	0.1	87.0	22.1	22.1	32.2	32.2	8.3	8.3	98.7	98.6	7.2	7.1	7.1	2.2	2.2	3.3	7.9	7.8	8.0
						0.1	80.0	22.1		32.2		8.3		98.5		7.1			2.2			7.6		
					M	0.1	89.0	22.1	22.2	32.1	32.0	8.3	8.3	97.9	98.0	7.1	7.1		3.6	3.6		8.2	8.2	
						0.1	89.0	22.2		32.0		8.3		98.0		7.1			3.7			8.1		
					B	0.1	70.0	22.5	22.6	31.8	31.8	8.3	8.3	98.7	98.9	7.1	7.1	7.1	4.1	4.1		8.0	8.1	
						0.1	74.0	22.6		31.7		8.3		99.0		7.1			4.1			8.2		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/11** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM6	Fine	Moderate	13:28	14.8	S	0.1	94.0	22.1	22.1	32.2	32.2	8.3	8.3	98.4	98.4	7.1	7.1	7.1	3.5	3.6	4.7	8.6	8.4	7.9
						0.1	90.0	22.1		32.2		8.3		98.3		7.1			3.7			8.2		
					M	0.1	69.0	22.0	22.0	32.2	32.2	8.3	8.3	97.9	98.0	7.1	7.1		4.6	4.7		8.2	8.1	
						0.1	72.0	22.0		32.2		8.3		98.0		7.1			4.7			7.9		
					B	0.1	63.0	22.2	22.3	32.0	32.0	8.3	8.3	98.8	99.0	7.1	7.2	7.2	5.7	5.8		7.4	7.2	
						0.1	57.0	22.3		32.0		8.3		99.1		7.2			5.8			7.0		
IM7	Fine	Moderate	12:42	12.2	S	0.1	297.0	22.2	22.2	32.3	32.3	8.3	8.3	98.2	98.2	7.1	7.1	7.1	2.3	2.3	3.5	6.5	6.7	6.3
						0.1	298.0	22.2		32.3		8.3		98.1		7.1			2.3			6.9		
					M	0.1	293.0	22.2	22.2	32.3	32.3	8.3	8.3	97.7	97.7	7.1	7.1		3.7	3.7		6.7	6.6	
						0.1	291.0	22.2		32.3		8.3		97.7		7.1			3.7			6.4		
					B	0.1	278.0	22.4	22.5	32.1	32.1	8.3	8.3	97.6	97.6	7.0	7.0	7.0	4.6	4.6		5.7	5.6	
						0.1	272.0	22.5		32.1		8.3		97.6		7.0			4.5			5.4		
IM8	Fine	Moderate	12:50	13.8	S	0.1	285.0	22.1	22.1	32.2	32.2	8.3	8.3	98.1	98.1	7.1	7.1	7.1	5.2	5.1	6.1	6.7	6.5	7.5
						0.1	290.0	22.1		32.2		8.3		98.0		7.1			5.1			6.2		
					M	0.1	297.0	22.1	22.1	32.2	32.2	8.2	8.2	97.7	97.7	7.1	7.1		6.2	6.2		7.3	7.5	
						0.1	290.0	22.1		32.2		8.2		97.7		7.1			6.2			7.7		
					B	0.1	273.0	22.1	22.1	32.2	32.2	8.2	8.2	98.2	98.3	7.1	7.1	7.1	7.0	7.0		8.8	8.6	
						0.1	272.0	22.1		32.2		8.2		98.4		7.1			7.1			8.4		
IM9	Fine	Moderate	12:24	14.6	S	0.1	302.0	22.2	22.2	32.2	32.2	8.3	8.3	98.2	98.2	7.1	7.1	7.1	5.3	5.3	6.2	5.7	5.6	6.6
						0.2	308.0	22.2		32.2		8.3		98.1		7.1			5.3			5.4		
					M	0.1	312.0	22.2	22.2	32.3	32.3	8.3	8.3	97.7	97.7	7.1	7.1		6.1	6.1		6.5	6.7	
						0.1	315.0	22.2		32.3		8.3		97.6		7.1			6.2			6.8		
					B	0.1	295.0	22.4	22.4	32.1	32.1	8.3	8.3	97.5	97.6	7.0	7.0	7.0	7.2	7.1		7.4	7.5	
						0.1	297.0	22.4		32.1		8.3		97.6		7.0			7.1			7.6		
IM10	Fine	Moderate	13:46	12.3	S	0.1	13.0	23.5	23.5	35.1	35.1	8.2	8.2	97.6	97.6	6.8	6.8	6.8	6.1	6.1	9.9	9.4	9.6	18.8
						0.1	15.0	23.5		35.1		8.2		97.6		6.8			6.1			9.7		
					M	0.1	25.0	23.5	23.5	35.1	35.1	8.2	8.2	96.9	96.9	6.7	6.7		8.1	8.2		10.2	10.1	
						0.1	32.0	23.5		35.1		8.2		96.9		6.7			8.4			9.9		
					B	0.1	21.0	23.5	23.5	35.1	35.1	8.2	8.2	96.5	96.5	6.7	6.7	6.7	15.2	15.3		36.2	36.9	
						0.1	14.0	23.5		35.1		8.2		96.5		6.7			15.5			37.6		
IM11A	Fine	Moderate	13:35	5.5	S	0.1	264.0	23.8	23.8	35.1	35.1	8.2	8.2	95.7	95.7	6.6	6.6	6.6	13.3	13.2	29.9	17.4	43.1	43.5
						0.1	271.0	23.8		35.1		8.2		95.7		6.6			13.1			68.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	255.0	23.5	23.5	35.1	35.1	8.1	8.1	93.4	93.5	6.5	6.5	6.5	46.6	46.6		69.2	43.9	
						0.1	259.0	23.5		35.1		8.2		93.5		6.5			46.6			18.6		
IM12	Fine	Moderate	13:29	13.4	S	0.2	152.0	23.4	23.4	35.1	35.1	8.2	8.2	95.4	95.4	6.6	6.6	6.6	11.0	11.4	18.2	12.0	11.9	15.2
						0.2	156.0	23.4		35.1		8.2		95.3		6.6			11.7			11.7		
					M	0.2	143.0	23.3	23.3	35.1	35.1	8.2	8.2	94.6	94.6	6.6	6.6		19.4	19.7		14.9	14.7	
						0.1	138.0	23.3		35.1		8.2		94.6		6.6			20.0			14.5		
					B	0.1	174.0	23.3	23.3	35.1	35.1	8.2	8.2	94.2	94.2	6.6	6.6	6.6	23.8	23.6		19.2	19.0	
						0.1	177.0	23.3		35.1		8.2		94.2		6.6			23.5			18.8		
IM13	Fine	Moderate	13:06	20.6	S	0.1	28.0	23.4	23.4	34.1	34.1	8.2	8.2	93.5	93.6	6.6	6.6	6.5	5.6	5.6	23.2	11.7	11.5	14.6
						0.1	21.0	23.4		34.1		8.2		93.6		6.6			5.6			11.3		
					M	0.1	34.0	23.2	23.2	34.8	34.8	8.2	8.2	93.4	93.4	6.5	6.5		31.6	31.8		20.0	20.1	
						0.2	31.0	23.2		34.8		8.2		93.4		6.5			31.9			20.1		
					B	0.1	0.0	23.2	23.2	34.8	34.8	8.2	8.2	93.1	93.1	6.5	6.5	6.5	32.3	32.3		12.0	12.2	
						0.1	357.0	23.2		34.8		8.2		93.1		6.5			32.3			12.4		
IM14	Fine	Moderate	12:59	10.8	S	0.1	223.0	23.4	23.4	34.8	34.8	8.2	8.2	93.2	93.2	6.5	6.5	6.5	9.7	9.9	20.7	10.9	11.2	12.7
						0.1	230.0	23.4		34.8		8.2		93.1		6.5			10.1			11.4		
					M	0.1	207.0	23.2	23.2	35.0	35.0	8.2	8.2	92.2	92.2	6.4	6.4		18.5	18.6		12.2	12.5	
						0.1	212.0	23.2		35.0		8.2		92.2		6.4			18.8			12.7		
					B	0.1	244.0	23.1	23.1	35.1	35.1	8.2	8.2	91.9	91.9	6.4	6.4	6.4	33.3	33.4		14.4	14.6	
						0.1	237.0	23.1		35.1		8.2		91.9		6.4			33.6			14.8		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/11** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM15	Fine	Calm	14:57	8.0	S	0.4	322.0	24.0	24.1	31.6	31.6	7.9	7.9	96.1	96.2	6.8	6.8	6.7	6.3	6.2	7.1	6.5	6.4	8.0
						0.4	322.0	24.1		31.6		7.9		96.3		6.8			6.1			6.2		
					M	0.6	279.7	23.8	23.8	31.9	31.9	7.8	7.8	94.5	94.7	6.7	6.7		7.3	6.8		7.4	7.6	
						0.6	279.7	23.8		31.9		7.9		94.8		6.7			6.3			7.8		
					B	0.4	248.2	23.5	23.5	32.3	32.3	7.8	7.8	91.2	91.2	6.4	6.4	6.4	8.1	8.4		10.1	9.9	
						0.3	201.6	23.5		32.3		7.8		91.1		6.4			8.6			9.7		
IM16A	Fine	Calm	14:33	8.0	S	0.4	342.1	23.8	23.9	31.7	31.7	7.8	7.8	92.3	92.7	6.5	6.5	6.4	10.0	9.8	14.9	13.2	13.1	18.3
						0.4	342.1	23.9		31.7		7.8		93.0		6.5			9.6			12.9		
					M	0.3	220.2	23.5	23.5	32.1	32.1	7.8	7.8	89.2	89.1	6.3	6.3		18.4	18.2		22.8	22.6	
						0.5	238.6	23.5		32.1		7.8		88.9		6.3			18.0			22.3		
					B	0.2	113.6	23.4	23.4	32.0	32.0	7.8	7.8	89.6	89.4	6.3	6.3	6.3	16.1	16.6		19.1	19.3	
						0.4	186.1	23.4		32.0		7.8		89.2		6.3			17.1			19.4		
IM17	Fine	Calm	13:37	5.8	S	0.5	14.0	23.9	23.9	31.5	31.5	7.8	7.8	91.5	91.3	6.4	6.4	6.3	6.8	6.7	9.4	8.1	11.7	13.5
						0.5	14.0	23.9		31.6		7.8		91.1		6.4			6.6			15.3		
					M	0.7	295.4	23.7	23.7	31.8	31.8	7.8	7.8	88.4	88.4	6.2	6.2		10.2	10.0		14.8	-	
						0.7	295.4	23.7		31.8		7.8		88.4		6.2			9.8			9.9		
					B	0.4	56.8	23.6	23.6	31.8	31.8	7.8	7.8	88.2	87.9	6.2	6.2	6.2	11.1	11.6		16.9	16.5	
						0.9	168.1	23.6		31.8		7.8		87.5		6.2			12.1			16.0		
IM18	Fine	Calm	13:47	17.7	S	0.7	27.6	23.8	23.9	31.7	31.6	7.8	7.8	91.4	91.8	6.4	6.5	6.3	7.4	7.0	9.8	8.8	8.7	11.9
						0.7	27.6	24.0		31.6		7.8		92.2		6.5			6.5			8.5		
					M	0.6	31.3	23.5	23.5	32.2	32.2	7.8	7.8	86.4	86.3	6.1	6.1		11.5	11.8		12.5	12.7	
						0.3	25.1	23.5		32.2		7.8		86.2		6.1			12.1			12.8		
					B	0.3	259.5	23.5	23.5	32.8	32.8	7.8	7.8	86.3	86.3	6.1	6.1	6.1	10.1	10.7		14.6	14.4	
						0.3	259.5	23.5		32.8		7.8		86.2		6.1			11.3			14.2		
IM19	Fine	Calm	13:20	18.3	S	0.5	223.8	23.8	23.9	31.6	31.5	7.8	7.8	88.0	88.5	6.2	6.2	6.2	4.4	4.4	5.3	4.8	4.7	5.8
						0.5	223.8	24.0		31.4		7.8		89.0		6.3			4.3			4.5		
					M	0.4	221.3	23.7	23.7	32.0	31.9	7.8	7.8	88.5	88.5	6.2	6.2		5.0	4.9		5.8	6.0	
						0.4	221.3	23.7		31.9		7.8		88.4		6.2			4.8			6.1		
					B	0.3	60.4	23.7	23.7	32.2	32.2	7.8	7.8	90.0	89.4	6.3	6.3	6.3	6.8	6.6		6.9	6.8	
						0.1	95.7	23.7		32.2		7.8		88.7		6.3			6.3			6.6		
IM20A	Fine	Calm	12:54	7.0	S	0.1	3.9	24.7	24.7	31.0	31.0	7.8	7.8	89.4	89.7	6.2	6.2	6.3	3.3	3.3	3.6	4.0	4.2	5.4
						0.1	3.9	24.7		31.0		7.8		89.9		6.3			3.3			4.4		
					M	0.2	333.0	24.2	24.2	31.7	31.5	7.8	7.8	90.0	89.6	6.3	6.3		3.9	3.7		5.1	5.3	
						0.2	333.0	24.3		31.4		7.8		89.1		6.2			3.4			5.4		
					B	0.5	55.7	24.0	24.0	31.9	31.9	7.7	7.7	89.8	89.7	6.3	6.3	6.3	3.9	3.9		6.4	6.6	
						0.7	152.7	24.0		31.9		7.7		89.5		6.3			3.8			6.8		
IM21A	Fine	Calm	13:01	6.8	S	0.7	221.8	24.0	24.0	31.5	31.5	7.8	7.8	87.2	87.1	6.1	6.1	6.2	4.0	4.2	4.4	9.2	9.0	7.8
						0.7	221.8	24.0		31.5		7.8		86.9		6.1			4.4			8.8		
					M	0.3	133.4	24.1	24.1	31.8	31.7	7.8	7.8	89.5	89.4	6.3	6.3		3.9	3.7		7.5	7.6	
						0.6	276.4	24.1		31.7		7.8		89.3		6.3			3.5			7.7		
					B	0.2	109.1	24.0	24.0	31.9	31.9	7.7	7.7	89.7	89.4	6.3	6.3	6.3	5.2	5.4		6.6	6.8	
						0.5	228.0	24.0		31.9		7.8		89.1		6.3			5.5			7.0		
IM22A	Fine	Calm	13:08	5.3	S	0.8	199.6	25.3	25.4	31.9	31.9	7.8	7.8	91.9	92.0	6.3	6.3	6.3	8.0	8.3	8.2	13.2	13.0	11.8
						0.8	199.6	25.4		31.9		7.8		92.0		6.3			8.6			12.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.8	206.5	25.2	25.2	31.9	31.9	7.8	7.8	92.0	91.9	6.3	6.3	6.3	8.1	8.1		10.5	10.7	
						0.8	206.5	25.2		31.9		7.8		91.8		6.3			8.1			10.8		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/14** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Cloudy	Rough	17:27	12.1	S	0.1	196.0	23.4	23.4	34.7	34.7	8.1	8.1	83.7	83.7	5.8	5.8	5.8	2.4	2.4	4.9	6.5	6.6	7.4
						0.1	191.0	23.4		34.7		8.1		83.7		5.8			2.5			6.6		
					M	0.1	180.0	23.4	23.4	34.8	34.8	8.1	8.1	83.6	83.6	5.8	5.8		3.9	3.9		7.7	7.5	
						0.1	173.0	23.4		34.8		8.1		83.6		5.8			4.0			7.2		
					B	0.1	172.0	23.4	23.4	34.8	34.8	8.1	8.1	83.9	84.1	5.9	5.9	5.9	8.3	8.3		8.4	8.3	
						0.1	175.0	23.4		34.8		8.1		84.2		5.9			8.3			8.1		
E2	Cloudy	Moderate	16:11	8.7	S	0.1	297.0	24.1	24.1	35.1	35.1	8.3	8.3	102.1	102.1	7.0	7.0	7.0	3.2	3.3	4.2	5.3	5.2	5.7
						0.1	295.0	24.1		35.1		8.3		102.1		7.0			3.3			5.0		
					M	0.1	310.0	24.1	24.1	35.1	35.1	8.3	8.3	101.8	101.8	7.0	7.0		3.2	3.2		5.6	5.8	
						0.1	315.0	24.1		35.1		8.3		101.7		7.0			3.3			5.9		
					B	0.1	273.0	24.1	24.1	35.1	35.1	8.3	8.3	100.9	100.9	6.9	6.9	6.9	6.2	6.2		6.4	6.3	
						0.1	274.0	24.1		35.1		8.3		100.9		6.9			6.3			6.2		
E3	Cloudy	Rough	15:12	16.3	S	0.3	331.0	23.7	23.7	34.8	34.8	8.3	8.3	100.0	100.0	6.9	6.9	6.9	5.1	5.1	8.7	5.0	5.1	5.5
						0.3	337.0	23.7		34.8		8.3		100.0		6.9			5.2			5.2		
					M	0.2	323.0	23.7	23.7	34.8	34.8	8.3	8.3	99.7	99.7	6.9	6.9		5.0	5.0		5.2	5.3	
						0.2	328.0	23.7		34.8		8.3		99.7		6.9			5.1			5.4		
					B	0.3	341.0	23.7	23.7	34.8	34.8	8.3	8.3	99.0	99.0	6.9	6.9	6.9	16.0	16.1		6.2	6.1	
						0.2	339.0	23.7		34.8		8.3		99.0		6.9			16.1			5.9		
E4	Cloudy	Moderate	14:03	10.5	S	0.2	33.0	24.0	24.0	32.0	32.0	8.2	8.2	94.2	94.2	6.6	6.6	6.6	6.6	6.6	6.3	5.5	5.8	6.5
						0.1	38.0	24.0		32.0		8.2		94.2		6.6			6.6			6.0		
					M	0.1	21.0	23.8	23.8	32.9	32.9	8.2	8.2	93.6	93.6	6.6	6.6		5.8	5.8		6.3	6.5	
						0.1	15.0	23.8		32.9		8.2		93.6		6.6			5.8			6.7		
					B	0.1	24.0	23.7	23.7	33.8	33.8	8.3	8.3	94.9	95.0	6.6	6.6	6.6	6.7	6.7		7.4	7.2	
						0.2	28.0	23.7		33.8		8.3		95.0		6.6			6.7			7.0		
E5	Cloudy	Calm	09:13	6.0	S	0.8	286.6	23.9	23.9	30.1	30.1	7.7	7.7	87.0	87.1	6.2	6.2	6.2	9.8	9.8	12.4	9.6	9.8	15.7
						0.8	286.6	23.9		30.1		7.7		87.1		6.2			9.8			9.9		
					M	0.7	297.2	23.9	23.9	30.2	30.2	7.7	7.7	86.4	86.5	6.1	6.1		12.9	12.7		16.9	17.1	
						0.7	297.2	23.9		30.2		7.8		86.6		6.2			12.5			17.3		
					B	0.7	333.2	23.9	23.9	30.2	30.2	7.7	7.7	86.9	86.7	6.2	6.2	6.2	14.4	14.7		20.0	20.3	
						0.4	139.3	23.9		30.2		7.7		86.5		6.1			14.9			20.5		
E6	Cloudy	Calm	10:23	6.0	S	0.9	301.6	24.1	24.1	27.0	27.0	7.9	7.9	92.9	93.0	6.7	6.7	6.7	4.9	4.8	5.2	6.3	6.6	5.8
						0.9	301.6	24.1		27.0		7.9		93.1		6.7			4.7			6.9		
					M	0.9	30.7	24.1	24.1	27.2	27.1	7.9	7.9	91.9	92.0	6.6	6.6		5.2	5.2		5.8	5.7	
						0.9	30.7	24.1		27.1		7.9		92.1		6.6			5.1			5.5		
					B	0.8	28.1	24.1	24.1	27.4	27.4	7.8	7.8	90.9	90.8	6.5	6.5	6.5	5.9	5.7		4.9	5.1	
						0.4	324.7	24.1		27.4		7.8		90.7		6.5			5.5			5.3		
E7A	Cloudy	Calm	10:43	5.0	S	1.1	321.6	24.3	24.3	29.7	29.7	7.8	7.8	86.4	86.5	6.1	6.1	6.1	3.9	3.7	4.5	5.0	5.3	6.1
						1.1	321.6	24.3		29.7		7.8		86.6		6.1			3.4			5.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.1	341.5	24.2	24.2	29.9	29.9	7.7	7.7	85.9	85.8	6.1	6.1	6.1	4.9	5.3		6.6	6.9	
						1.1	341.5	24.2		29.9		7.7		85.7		6.1			5.6			7.1		
F1	Cloudy	Rough	16:37	18.0	S	0.1	286.0	23.7	23.7	35.1	35.1	8.3	8.3	100.1	100.1	6.9	6.9	6.9	6.1	6.1	7.2	7.4	7.7	6.3
						0.1	288.0	23.7		35.1		8.3		100.0		6.9			6.2			8.0		
					M	0.1	279.0	23.7	23.7	35.1	35.1	8.3	8.3	99.8	99.8	6.9	6.9		6.7	6.8		6.3	6.1	
						0.1	275.0	23.7		35.1		8.3		99.8		6.9			6.9			5.9		
					B	0.1	286.0	23.7	23.7	35.1	35.1	8.3	8.3	99.7	99.9	6.9	6.9	6.9	8.3	8.6		5.3	5.2	
						0.1	285.0	23.7		35.0		8.3		100.0		6.9			8.9			5.1		
F2	Cloudy	Rough	16:11	21.8	S	0.1	300.0	23.6	23.6	35.0	35.0	8.2	8.2	99.5	99.5	6.9	6.9	6.9	5.8	5.9	7.4	7.5	7.4	8.0
						0.1	305.0	23.6		35.0		8.2		99.4		6.9			6.0			7.3		
					M	0.1	305.0	23.6	23.6	35.0	35.0	8.2	8.2	99.0	99.1	6.9	6.9		6.2	6.5		8.2	8.1	
						0.1	310.0	23.6		35.0		8.2		99.1		6.9			6.7			7.9		
					B	0.1	273.0	23.6	23.6	35.0	35.0	8.2	8.2	99.4	99.5	6.9	6.9	6.9	9.5	9.7		8.5	8.6	
						0.1	266.0	23.6		35.0		8.2		99.5		6.9			9.9			8.7		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/14** **Tide: Flood 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
F3	Cloudy	Rough	14:25	17.1	S	0.1	303.0	22.8	22.8	34.7	34.7	8.3	8.3	101.6	101.6	7.2	7.2	7.1	3.6	3.6	4.6	7.6	7.8	8.4
						0.1	301.0	22.8		34.7		8.3		101.5		7.2			3.6			7.9		
					M	0.1	291.0	22.8	22.8	34.7	34.7	8.3	8.3	101.1	101.1	7.1	7.1		4.9	5.0		8.5	8.4	
						0.1	287.0	22.8		34.7		8.3		101.0		7.1			5.2			8.3		
					B	0.1	285.0	22.8	22.8	34.7	34.7	8.3	8.3	101.2	101.2	7.1	7.1		5.5	5.2		8.8	9.0	
						0.1	280.0	22.8		34.7		8.3		101.2		7.1			4.9			9.1		
F4	Cloudy	Rough	15:49	13.5	S	0.1	279.0	24.0	24.0	35.0	35.0	8.3	8.3	104.7	104.7	7.2	7.2	7.2	1.7	1.7	3.2	10.3	10.5	12.7
						0.1	283.0	24.0		35.0		8.3		104.7		7.2			1.7			10.7		
					M	0.1	263.0	23.7	23.8	34.9	34.9	8.3	8.3	103.7	103.7	7.2	7.2		2.5	2.4		12.6	12.4	
						0.1	262.0	23.8		34.9		8.3		103.7		7.2			2.4			12.2		
					B	0.1	287.0	23.6	23.6	34.9	34.9	8.3	8.3	102.4	102.4	7.1	7.1	7.1	5.5	5.6		15.1	15.2	
						0.1	289.0	23.6		34.9		8.3		102.3		7.1			5.6			15.3		
F5	Cloudy	Moderate	13:43	5.3	S	0.1	37.0	23.8	23.8	33.3	33.3	8.2	8.2	91.5	91.5	6.4	6.4	6.4	5.6	5.6	6.9	7.2	7.4	8.9
						0.1	31.0	23.8		33.3		8.2		91.5		6.4			5.6			7.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	25.0	23.7	23.7	33.6	33.6	8.2	8.2	90.8	90.8	6.3	6.3	6.3	8.3	8.3		10.7	10.5	
						0.1	27.0	23.7		33.6		8.2		90.8		6.3			8.3			10.2		
F6	Cloudy	Calm	11:57	14.0	S	0.6	326.5	24.3	24.3	30.7	30.7	7.8	7.8	88.8	88.8	6.2	6.2	6.2	4.0	4.1	9.2	5.6	5.4	9.0
						0.6	326.5	24.3		30.7		7.8		88.7		6.2			4.1			5.2		
					M	0.3	159.8	24.1	24.1	31.0	30.9	7.8	7.8	86.0	86.4	6.1	6.1		8.6	8.2		7.8	7.6	
						0.3	159.8	24.1		30.8		7.8		86.7		6.1			7.7			7.3		
					B	0.4	337.7	24.0	24.0	31.7	31.7	7.8	7.8	84.3	84.1	5.9	5.9	5.9	15.5	15.4		13.8	14.2	
						0.8	310.2	24.0		31.7		7.8		83.8		5.9			15.2			14.5		
IM1	Cloudy	Rough	16:51	12.1	S	0.1	108.0	23.7	23.7	35.0	35.0	8.2	8.2	96.5	96.5	6.7	6.7	6.6	3.0	3.0	9.0	7.2	7.4	6.7
						0.1	112.0	23.7		35.0		8.2		96.4		6.7			3.0			7.6		
					M	0.1	102.0	23.6	23.6	35.0	35.0	8.2	8.2	94.8	94.9	6.6	6.6		8.1	8.4		6.5	6.7	
						0.1	95.0	23.6		35.0		8.2		94.9		6.6			8.7			6.8		
					B	0.1	120.0	23.7	23.6	35.0	35.1	8.2	8.2	95.5	96.0	6.6	6.7	6.7	15.9	15.5		6.0	6.2	
						0.1	116.0	23.5		35.1		8.3		96.5		6.7			15.2			6.3		
IM2	Cloudy	Rough	17:08	10.8	S	0.1	64.0	23.7	23.7	35.0	35.0	8.2	8.2	95.0	95.0	6.6	6.6	6.6	3.3	3.3	4.1	6.0	6.2	6.8
						0.1	69.0	23.7		35.0		8.2		95.0		6.6			3.3			6.3		
					M	0.1	61.0	23.7	23.7	35.0	35.0	8.2	8.2	95.0	95.1	6.6	6.6		3.7	3.8		6.6	6.8	
						0.1	59.0	23.7		35.0		8.2		95.1		6.6			3.9			7.0		
					B	0.1	37.0	23.6	23.6	35.1	35.1	8.2	8.2	96.8	96.9	6.7	6.7	6.7	5.3	5.3		7.4	7.6	
						0.1	32.0	23.5		35.1		8.2		97.0		6.7			5.3			7.7		
IM3	Cloudy	Rough	15:50	14.5	S	0.1	244.0	23.7	23.7	35.0	35.0	8.2	8.2	100.4	100.4	7.0	7.0	6.9	5.8	5.8	8.4	8.2	8.1	7.4
						0.1	245.0	23.7		35.0		8.2		100.3		7.0			5.8			8.0		
					M	0.1	267.0	23.6	23.6	35.0	35.0	8.2	8.2	99.2	99.2	6.9	6.9		11.9	11.9		7.3	7.4	
						0.1	270.0	23.6		35.0		8.2		99.2		6.9			11.8			7.5		
					B	0.1	243.0	23.6	23.6	34.9	34.9	8.2	8.2	99.2	99.3	6.9	6.9	6.9	7.4	7.6		6.9	6.7	
						0.1	236.0	23.6		34.9		8.2		99.4		6.9			7.8			6.5		
IM4	Cloudy	Rough	15:29	15.2	S	0.1	264.0	23.4	23.4	34.9	34.9	8.3	8.3	101.9	101.8	7.1	7.1	7.1	4.9	5.1	7.4	6.3	6.4	7.0
						0.1	265.0	23.4		34.9		8.3		101.7		7.1			5.3			6.5		
					M	0.1	271.0	23.4	23.4	34.9	34.9	8.3	8.3	101.0	101.0	7.0	7.0		6.7	6.6		7.0	6.9	
						0.1	277.0	23.4		34.9		8.3		101.0		7.0			6.6			6.8		
					B	0.1	278.0	23.4	23.4	34.9	34.9	8.3	8.3	101.4	101.5	7.1	7.1	7.1	10.4	10.5		7.5	7.8	
						0.1	272.0	23.4		34.9		8.3		101.5		7.1			10.6			8.0		
IM5	Cloudy	Rough	15:12	13.8	S	0.1	285.0	23.1	23.1	34.8	34.8	8.3	8.3	101.9	101.9	7.1	7.1	7.1	4.3	4.3	5.4	6.9	7.2	11.6
						0.1	279.0	23.1		34.8		8.3		101.9		7.1			4.3			7.5		
					M	0.1	271.0	23.1	23.1	34.8	34.8	8.3	8.3	101.4	101.4	7.1	7.1		5.8	5.8		9.4	9.2	
						0.1	269.0	23.1		34.8		8.3		101.4		7.1			5.9			8.9		
					B	0.1	285.0	23.1	23.1	34.8	34.8	8.3	8.3	101.5	101.5	7.1	7.1	7.1	6.3	6.2		10.6	18.6	
						0.1	277.0	23.1		34.8		8.3		101.5		7.1			6.1			26.5		
IM6	Cloudy	Rough	14:43	15.8	S	0.1	286.0	23.1	23.1	34.8	34.8	8.3	8.3	101.9	101.9	7.1	7.1	7.1	4.4	4.3	8.0	6.4	6.8	8.4
						0.1	286.0	23.1		34.8		8.3		101.9		7.1			4.3			7.1		
					M	0.1	301.0	23.1	23.1	34.8	34.8	8.3	8.3	101.3	101.3	7.1	7.1		6.3	6.6		6.3	7.8	
						0.2	294.0	23.1		34.8		8.3		101.3		7.1			6.9			9.2		
					B	0.1	306.0	23.1	23.1	34.8	34.8	8.3	8.3	101.2	101.2	7.1	7.1	7.1	12.8	13.1		15.8	10.7	
						0.1	309.0	23.1		34.8		8.3		101.2		7.1			13.4			5.6		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/14** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Cloudy	Rough	13:57	12.7	S	0.1	275.0	22.9	22.9	34.8	34.8	8.3	8.3	101.3	101.3	7.1	7.1	7.1	3.1	3.1	4.6	7.2	7.4	9.1
						0.2	277.0	22.9		34.8		8.3		101.3		7.1			3.2			7.6		
					M	0.2	289.0	22.9	22.9	34.8	34.8	8.3	8.3	101.0	101.0	7.1	7.1		3.1	3.1		9.1	9.4	
						0.2	282.0	22.9		34.8		8.3		100.9		7.1			3.1			9.6		
					B	0.1	301.0	22.9	22.9	34.8	34.8	8.3	8.3	100.6	100.6	7.1	7.1		8.5	7.6		10.3	10.6	
						0.1	304.0	22.9		34.8		8.3		100.6		7.1			6.7			10.8		
IM8	Cloudy	Rough	14:05	14.5	S	0.1	286.0	22.8	22.8	34.7	34.7	8.3	8.3	101.5	101.5	7.2	7.1	7.1	3.7	3.7	4.9	7.7	7.6	6.5
						0.1	283.0	22.8		34.7		8.3		101.4		7.1			3.7			7.4		
					M	0.1	292.0	22.8	22.8	34.7	34.7	8.3	8.3	100.9	100.9	7.1	7.1		4.8	4.9		6.6	6.3	
						0.2	286.0	22.8		34.7		8.3		100.9		7.1			4.9			6.0		
					B	0.1	267.0	22.8	22.8	34.8	34.8	8.3	8.3	100.8	100.8	7.1	7.1	7.1	6.0	6.1		5.7	5.5	
						0.1	261.0	22.8		34.8		8.3		100.8		7.1			6.1			5.3		
IM9	Cloudy	Rough	13:39	13.9	S	0.2	281.0	22.9	22.9	34.8	34.8	8.3	8.3	101.3	101.3	7.1	7.1	7.1	3.1	3.1	4.0	6.2	6.4	7.2
						0.2	283.0	22.9		34.8		8.3		101.3		7.1			3.2			6.6		
					M	0.2	305.0	22.8	22.8	34.8	34.8	8.3	8.3	100.7	100.7	7.1	7.1		3.8	3.9		7.4	7.3	
						0.2	303.0	22.8		34.8		8.3		100.7		7.1			3.9			7.1		
					B	0.2	309.0	22.9	22.9	34.8	34.8	8.3	8.3	100.6	100.6	7.1	7.1	7.1	4.9	4.9		8.2	8.0	
						0.3	309.0	22.9		34.8		8.3		100.6		7.1			4.9			7.8		
IM10	Cloudy	Rough	14:57	11.3	S	0.1	257.0	24.0	24.0	34.8	34.8	8.3	8.3	101.0	101.0	7.0	7.0	7.0	5.9	5.9	12.6	15.8	15.6	14.5
						0.2	258.0	24.0		34.8		8.3		101.0		7.0			5.9			15.4		
					M	0.1	251.0	24.0	24.0	34.8	34.8	8.3	8.3	100.8	100.8	7.0	7.0		10.5	10.5		14.6	14.4	
						0.2	255.0	24.0		34.8		8.3		100.8		7.0			10.5			14.1		
					B	0.1	256.0	23.9	23.9	34.8	34.8	8.3	8.3	100.3	100.3	6.9	6.9	6.9	21.4	21.5		13.6	13.4	
						0.1	254.0	23.9		34.8		8.3		100.3		6.9			21.5			13.2		
IM11A	Cloudy	Rough	14:48	4.8	S	0.3	321.0	24.0	24.0	34.7	34.7	8.3	8.3	98.6	98.6	6.8	6.8	6.8	9.2	9.1	10.4	13.1	13.2	14.0
						0.3	320.0	24.0		34.7		8.3		98.6		6.8			9.1			13.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	296.0	24.0	24.0	34.7	34.7	8.3	8.3	98.5	98.5	6.8	6.8	6.8	11.6	11.6		14.8	14.9	
						0.3	295.0	24.0		34.7		8.3		98.5		6.8			11.6			14.9		
IM12	Cloudy	Rough	14:40	14.2	S	0.2	333.0	23.8	23.8	34.7	34.7	8.3	8.3	97.8	97.8	6.8	6.8	6.8	11.3	11.3	23.5	20.2	20.5	24.4
						0.2	335.0	23.8		34.7		8.3		97.8		6.8			11.3			20.8		
					M	0.1	338.0	23.8	23.8	34.7	34.7	8.3	8.3	97.4	97.4	6.7	6.7		20.9	20.5		23.7	24.0	
						0.2	334.0	23.8		34.7		8.3		97.4		6.7			20.2			24.3		
					B	0.2	315.0	23.8	23.8	34.8	34.8	8.3	8.3	97.1	97.1	6.7	6.7	6.7	38.7	38.8		29.0	28.7	
						0.1	316.0	23.8		34.8		8.3		97.1		6.7			38.8			28.4		
IM13	Cloudy	Rough	14:20	16.9	S	0.2	13.0	23.8	23.8	32.8	32.8	8.2	8.2	94.0	94.1	6.6	6.6	6.6	4.4	4.4	13.4	7.8	7.5	8.3
						0.3	16.0	23.8		32.8		8.2		94.1		6.6			4.5			7.2		
					M	0.3	1.0	23.7	23.7	34.5	34.5	8.3	8.3	95.2	95.2	6.6	6.6		8.5	8.5		8.0	8.2	
						0.3	6.0	23.7		34.5		8.3		95.2		6.6			8.5			8.4		
					B	0.3	13.0	23.6	23.6	34.7	34.7	8.3	8.3	94.8	94.8	6.6	6.6	6.6	27.2	27.1		9.1	9.1	
						0.3	15.0	23.6		34.7		8.3		94.8		6.6			27.0			9.0		
IM14	Cloudy	Rough	14:12	11.2	S	0.1	13.0	23.7	23.7	33.4	33.4	8.3	8.3	94.1	94.2	6.6	6.6	6.6	5.0	5.0	8.2	6.9	6.7	9.3
						0.1	7.0	23.7		33.4		8.3		94.2		6.6			5.1			6.4		
					M	0.1	20.0	23.7	23.7	34.5	34.5	8.3	8.3	95.6	95.6	6.6	6.6		10.5	10.5		8.8	8.6	
						0.1	19.0	23.7		34.5		8.3		95.6		6.6			10.5			8.4		
					B	0.1	2.0	23.7	23.7	34.7	34.7	8.3	8.3	95.1	95.1	6.6	6.6	6.6	9.1	9.2		12.2	12.5	
						0.1	358.0	23.7		34.7		8.3		95.1		6.6			9.2			12.8		
IM15	Cloudy	Calm	09:02	7.0	S	0.8	277.5	24.0	24.0	30.5	30.5	7.7	7.7	87.4	87.4	6.2	6.2	6.2	14.1	13.9	14.6	15.5	15.3	16.0
						0.8	277.5	24.0		30.5		7.7		87.4		6.2			13.7			15.0		
					M	0.6	216.4	24.0	24.0	30.5	30.5	7.7	7.7	87.2	87.3	6.2	6.2		14.8	14.6		16.2	16.1	
						0.4	220.3	24.0		30.5		7.7		87.4		6.2			14.4			15.9		
					B	0.4	215.6	24.0	24.0	30.5	30.5	7.7	7.7	87.7	87.5	6.2	6.2	6.2	14.7	15.2		16.4	16.6	
						0.4	273.5	24.0		30.5		7.7		87.2		6.2			15.6			16.8		
IM16A	Cloudy	Calm	09:28	7.0	S	0.8	256.6	23.9	23.9	29.9	29.9	7.8	7.8	85.8	85.9	6.1	6.1	6.1	9.5	9.3	10.8	10.9	10.8	12.4
						0.8	256.6	23.9		29.9		7.8		86.0		6.1			9.0			10.6		
					M	0.8	337.0	23.9	23.9	30.0	30.0	7.8	7.8	85.5	85.6	6.1	6.1		11.5	11.1		12.6	12.3	
						0.5	328.4	23.9		30.0		7.8		85.6		6.1			10.7			12.0		
					B	0.4	230.0	23.9	23.9	30.0	30.0	7.7	7.7	86.0	85.8	6.1	6.1	6.1	11.6	12.0		14.4	14.2	
						0.9	359.2	23.9		30.0		7.7		85.6		6.1			12.3			14.0		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/14** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	09:49	5.0	S	0.4	358.8	24.0	24.0	27.7	27.7	7.8	7.8	89.7	89.8	6.4	6.5	6.5	6.8	6.7	8.3	7.4	7.3	8.5
						0.4	358.8	24.0		27.7		7.8		89.9		6.5			6.6			7.1		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.9	356.6	24.0	24.0	30.1	30.2	7.7	7.7	83.9	83.7	5.9	5.9	5.9	10.1	9.8		9.4	9.7	
						0.4	263.2	24.0		30.3		7.7		83.5		5.9			9.5			9.9		
IM18	Cloudy	Calm	09:59	17.0	S	1.1	213.5	24.1	24.1	28.2	28.2	7.8	7.8	90.0	90.2	6.4	6.4	6.3	5.5	5.3	10.8	5.8	6.0	11.3
						1.1	213.5	24.1		28.2		7.8		90.4		6.5			5.0			6.2		
					M	0.7	277.7	24.1	24.1	29.8	29.8	7.8	7.8	86.3	86.2	6.1	6.1		10.7	10.5		10.5	10.7	
						0.8	244.0	24.1		29.8		7.8		86.1		6.1			10.2			10.8		
					B	0.1	188.5	24.1	24.1	30.5	30.5	7.8	7.8	84.1	84.1	5.9	5.9	5.9	16.3	16.7		16.9	17.2	
						0.1	188.5	24.1		30.5		7.8		84.0		5.9			17.1			17.5		
IM19	Cloudy	Calm	11:26	18.0	S	0.8	23.1	24.2	24.2	28.8	28.6	7.8	7.8	89.5	89.9	6.4	6.4	6.2	3.8	3.9	8.5	3.4	3.6	10.6
						0.8	23.1	24.2		28.5		7.8		90.3		6.4			4.0			3.8		
					M	1.4	29.8	24.2	24.2	30.8	30.9	7.8	7.8	86.1	86.0	6.1	6.0		4.0	3.9		4.4	4.6	
						1.4	358.9	24.2		30.9		7.8		85.8		6.0			3.8			4.8		
					B	0.7	349.1	24.1	24.1	31.6	31.6	7.8	7.8	85.2	85.1	6.0	6.0	6.0	16.4	17.7		23.1	23.5	
						0.7	350.6	24.1		31.6		7.8		84.9		6.0			18.9			23.8		
IM20A	Cloudy	Calm	10:58	6.0	S	0.6	56.3	24.2	24.2	28.5	28.6	7.8	7.8	91.4	91.5	6.5	6.5	6.4	5.2	5.2	6.3	5.5	5.7	6.5
						0.6	56.3	24.2		28.6		7.8		91.5		6.5			5.2			5.9		
					M	0.6	75.3	24.3	24.3	29.0	29.0	7.8	7.8	88.7	88.9	6.3	6.3		5.7	5.6		6.8	6.7	
						0.5	23.2	24.3		29.0		7.8		89.1		6.3			5.4			6.5		
					B	0.2	41.3	24.4	24.4	29.4	29.3	7.8	7.8	87.2	87.4	6.2	6.2	6.2	8.4	8.2		7.4	7.1	
						0.5	14.9	24.4		29.3		7.8		87.6		6.2			8.0			6.8		
IM21A	Cloudy	Calm	11:06	6.0	S	1.0	93.7	25.0	25.0	28.4	28.4	7.8	7.8	93.5	93.7	6.6	6.6	6.6	5.2	5.3	5.0	6.3	6.1	5.5
						0.5	16.3	25.0		28.5		7.8		93.9		6.6			5.4			5.9		
					M	1.0	68.4	24.4	24.4	28.5	28.5	7.8	7.8	92.2	92.1	6.5	6.5		5.0	4.9		5.3	5.5	
						0.3	58.9	24.5		28.5		7.8		91.9		6.5			4.8			5.6		
					B	0.1	123.3	24.4	24.4	28.5	28.5	7.8	7.8	92.6	92.4	6.6	6.6	6.6	4.4	4.7		4.6	4.8	
						0.3	95.6	24.4		28.5		7.8		92.1		6.5			4.9			5.0		
IM22A	Cloudy	Calm	11:13	5.0	S	0.1	356.3	24.2	24.2	27.9	27.9	7.8	7.8	94.1	94.2	6.7	6.7	6.7	4.5	4.6	4.7	4.1	4.1	4.4
						0.1	356.3	24.2		27.9		7.8		94.3		6.7			4.7			4.1		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.8	111.8	24.2	24.2	28.0	28.0	7.8	7.8	93.6	93.6	6.7	6.7	6.7	4.8	4.8		4.6	4.7	
						0.9	123.8	24.2		28.0		7.8		93.5		6.7			4.7			4.7		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/14** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Cloudy	Rough	01:51	10.9	S	0.1	140.0	23.4	23.4	34.9	34.9	8.0	8.0	85.0	85.0	5.9	5.9	5.9	3.7	3.7	6.8	7.0	7.1	6.7
						0.1	132.0	23.4		34.9		8.0		85.0		5.9			3.7			7.2		
					M	0.2	115.0	23.4	23.4	34.9	34.9	8.0	8.0	84.9	85.0	5.9	5.9		6.9	7.0		6.8	6.7	
						0.2	107.0	23.4		34.9		8.0		85.0		5.9			7.1			6.6		
					B	0.2	134.0	23.4	23.4	34.9	34.9	7.9	7.9	84.9	85.2	5.9	5.9	5.9	9.9	9.8		6.3	6.2	
						0.2	130.0	23.4		34.9		7.9		85.4		6.0			9.8			6.0		
E2	Fine	Moderate	02:08	7.9	S	0.1	71.0	23.7	23.7	34.9	34.9	8.4	8.4	102.4	102.4	7.1	7.1	7.1	1.1	1.1	1.9	6.5	6.7	6.3
						0.1	78.0	23.7		34.9		8.4		102.4		7.1			1.1			6.8		
					M	0.2	77.0	23.7	23.7	34.9	34.9	8.5	8.5	101.9	101.9	7.1	7.1		1.3	1.3		6.4	6.3	
						0.1	70.0	23.7		34.9		8.5		101.9		7.1			1.4			6.2		
					B	0.1	59.0	23.5	23.5	34.9	34.9	8.5	8.5	101.0	101.0	7.0	7.0	7.0	3.2	3.2		5.9	5.8	
						0.2	57.0	23.5		34.9		8.5		101.0		7.0			3.3			5.7		
E3	Fine	Rough	02:59	15.8	S	0.6	113.0	23.5	23.5	34.5	34.5	8.3	8.3	94.4	94.4	6.6	6.6	6.6	7.1	7.1	8.8	3.0	3.1	3.5
						0.6	120.0	23.5		34.5		8.3		94.4		6.6			7.2			3.2		
					M	0.5	105.0	23.5	23.5	34.5	34.5	8.3	8.3	93.9	93.9	6.6	6.6		8.3	8.3		3.7	3.6	
						0.6	111.0	23.5		34.5		8.3		93.9		6.6			8.2			3.4		
					B	0.5	122.0	23.4	23.4	34.6	34.6	8.3	8.3	93.3	93.3	6.5	6.5	6.5	11.0	11.1		4.0	3.9	
						0.5	116.0	23.4		34.6		8.3		93.2		6.5			11.1			3.8		
E4	Fine	Rough	03:57	9.7	S	0.8	206.0	23.9	23.9	32.1	32.1	8.3	8.3	93.8	93.8	6.6	6.6	6.6	5.4	5.4	9.6	7.3	7.1	7.7
						0.8	206.0	23.9		32.1		8.3		93.8		6.6			5.4			6.8		
					M	0.8	189.0	23.7	23.7	33.7	33.7	8.3	8.3	93.6	93.6	6.5	6.5		7.3	7.3		7.6	7.5	
						0.8	186.0	23.7		33.7		8.3		93.6		6.5			7.3			7.4		
					B	0.8	207.0	23.5	23.5	34.5	34.5	8.3	8.3	93.6	93.6	6.5	6.5	6.5	16.3	16.3		8.6	8.5	
						0.7	207.0	23.5		34.5		8.3		93.6		6.5			16.3			8.4		
E5	Cloudy	Calm	03:49	7.0	S	0.5	178.1	23.6	23.6	30.4	30.4	7.9	7.9	96.4	96.5	6.9	6.9	6.8	4.3	4.3	6.0	4.9	4.6	6.4
						0.5	178.1	23.6		30.4		7.9		96.5		6.9			4.2			4.3		
					M	1.0	209.5	23.7	23.7	30.6	30.6	7.9	7.9	94.9	95.4	6.7	6.8		5.3	5.0		5.7	5.5	
						0.4	156.2	23.7		30.5		7.9		95.9		6.8			4.6			5.2		
					B	0.4	273.6	23.6	23.6	31.2	31.2	7.8	7.8	92.8	92.7	6.6	6.6	6.6	8.4	8.7		8.8	9.1	
						0.4	273.6	23.6		31.2		7.9		92.6		6.6			8.9			9.4		
E6	Cloudy	Calm	01:43	7.1	S	0.6	160.2	24.0	24.0	30.3	30.3	7.7	7.7	90.0	90.1	6.4	6.4	6.2	5.7	5.7	6.7	5.0	4.9	6.5
						0.6	160.2	24.0		30.4		7.7		90.1		6.4			5.6			4.8		
					M	0.5	115.5	24.0	24.0	30.9	30.9	7.7	7.7	86.3	86.4	6.1	6.1		7.2	7.1		7.1	7.0	
						0.5	115.5	24.0		30.9		7.7		86.5		6.1			7.0			6.8		
					B	0.9	278.8	24.0	23.9	31.1	31.2	7.7	7.7	86.3	86.0	6.1	6.1	6.1	7.5	7.5		7.7	7.7	
						0.1	272.7	23.9		31.3		7.7		85.6		6.0			7.4			7.6		
E7A	Cloudy	Calm	02:06	5.0	S	1.1	224.4	24.5	24.5	30.3	30.3	7.8	7.8	89.2	89.1	6.3	6.3	6.3	2.9	2.9	2.8	4.1	3.9	4.5
						1.1	224.4	24.5		30.3		7.8		89.0		6.3			2.8			3.7		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.2	170.3	24.5	24.5	30.3	30.3	7.7	7.7	89.9	89.7	6.3	6.3	6.3	2.7	2.8		5.3	5.1	
						0.4	214.2	24.5		30.3		7.7		89.4		6.3			2.9			4.8		
F1	Cloudy	Rough	02:47	18.4	S	0.2	128.0	22.9	22.9	34.8	34.8	8.3	8.3	102.1	102.1	7.2	7.2	7.1	1.7	1.7	3.9	6.1	6.0	6.3
						0.2	134.0	22.9		34.8		8.3		102.0		7.2			1.7			5.8		
					M	0.2	134.0	22.9	22.9	34.8	34.8	8.3	8.3	99.6	99.4	7.0	7.0		2.1	2.2		6.2	6.3	
						0.2	133.0	22.9		34.8		8.3		99.2		7.0			2.3			6.3		
					B	0.2	112.0	22.9	22.9	34.7	34.7	8.3	8.3	83.5	83.0	5.9	5.8	5.8	7.9	7.8		6.8	6.6	
						0.2	104.0	22.9		34.7		8.3		82.5		5.8			7.8			6.4		
F2	Cloudy	Rough	03:17	23.7	S	0.3	123.0	23.0	23.0	34.8	34.8	8.3	8.3	103.3	103.3	7.3	7.3	7.2	1.3	1.3	1.8	7.0	7.2	5.9
						0.3	123.0	23.0		34.8		8.3		103.3		7.3			1.3			7.4		
					M	0.2	124.0	23.0	23.0	34.8	34.8	8.3	8.3	102.8	102.8	7.2	7.2		1.6	1.6		5.3	5.6	
						0.2	126.0	23.0		34.8		8.3		102.7		7.2			1.6			5.8		
					B	0.3	96.0	23.0	23.0	34.8	34.9	8.3	8.3	103.0	103.0	7.2	7.2	7.2	1.7	2.6		5.2	5.0	
						0.3	99.0	23.0		34.9		8.3		103.0		7.2			3.4			4.8		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/14** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Cloudy	Rough	04:41	17.6	S	0.3	109.0	22.8	22.8	34.7	34.7	8.3	8.3	101.2	101.2	7.1	7.1	7.1	3.3	3.3	5.8	8.4	8.6	7.7
						0.3	115.0	22.8		34.7		8.3		101.2		7.1			3.3			8.7		
					M	0.4	127.0	22.8	22.8	34.7	34.7	8.3	8.3	100.8	100.8	7.1	7.1		8.2	8.4		7.6	7.7	
						0.4	121.0	22.8		34.7		8.3		100.7		7.1			8.5			7.8		
					B	0.4	106.0	22.8	22.8	34.7	34.7	8.3	8.3	100.7	100.7	7.1	7.1	7.1	4.3	5.9		7.0	6.7	
						0.4	103.0	22.8		34.7		8.3		100.7		7.1			7.4			6.4		
F4	Fine	Rough	02:30	12.3	S	0.3	89.0	23.8	23.8	34.7	34.7	8.4	8.4	100.2	100.2	6.9	6.9	6.9	1.6	1.5	4.7	13.3	13.1	10.8
						0.3	88.0	23.8		34.7		8.4		100.2		6.9			1.5			12.9		
					M	0.3	109.0	23.8	23.8	34.8	34.8	8.4	8.4	98.7	98.7	6.8	6.8		3.1	3.0		8.1	8.3	
						0.4	106.0	23.8		34.8		8.4		98.7		6.8			3.0			8.4		
					B	0.3	88.0	23.7	23.7	34.8	34.8	8.3	8.3	97.4	97.4	6.8	6.8	6.8	9.5	9.5		10.8	11.0	
						0.3	90.0	23.7		34.8		8.3		97.4		6.8			9.5			11.2		
F5	Fine	Rough	04:25	4.9	S	0.5	218.0	24.0	24.0	33.0	33.0	8.2	8.2	90.8	90.8	6.3	6.3	6.3	7.5	7.5	10.8	7.9	8.1	9.2
						0.5	224.0	24.0		33.0		8.2		90.8		6.3			7.6			8.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	184.0	23.8	23.8	33.2	33.2	8.2	8.2	89.6	89.6	6.3	6.3	6.3	14.2	14.2		10.6	10.3	
						0.5	190.0	23.8		33.2		8.2		89.6		6.3			14.2			10.0		
F6	Cloudy	Calm	04:33	14.3	S	1.0	184.4	23.8	23.8	29.9	29.9	7.9	7.9	92.3	92.5	6.6	6.6	6.3	4.3	4.3	5.4	3.3	3.3	5.5
						1.0	184.4	23.8		29.9		8.0		92.7		6.6			4.3			3.2		
					M	0.5	137.9	24.0	24.0	31.6	31.6	7.9	7.9	87.0	87.0	6.1	6.1		4.4	4.3		5.1	6.0	
						0.7	174.2	24.0		31.6		7.9		86.9		6.1			4.2			6.9		
					B	0.8	122.5	24.0	24.0	31.7	31.7	7.9	7.9	86.4	86.5	6.1	6.1	6.1	7.0	7.6		7.1	7.3	
						0.1	86.9	24.0		31.7		7.9		86.5		6.1			8.2			7.4		
IM1	Cloudy	Rough	02:31	10.8	S	0.2	177.0	23.1	23.1	34.8	34.8	8.3	8.3	101.7	101.7	7.1	7.1	7.1	2.0	2.0	2.2	7.6	8.0	9.1
						0.2	169.0	23.1		34.8		8.3		101.7		7.1			2.0			8.3		
					M	0.2	165.0	23.1	23.1	34.8	34.8	8.3	8.3	101.6	101.6	7.1	7.1		2.3	2.3		9.4	9.3	
						0.2	165.0	23.1		34.8		8.3		101.6		7.1			2.3			9.2		
					B	0.2	166.0	23.1	23.1	34.8	34.8	8.3	8.3	101.6	101.6	7.1	7.1	7.1	2.3	2.3		10.2	10.0	
						0.3	158.0	23.1		34.8		8.3		101.6		7.1			2.3			9.7		
IM2	Cloudy	Rough	02:12	9.3	S	0.2	178.0	23.5	23.5	34.9	34.9	8.2	8.2	89.6	89.6	6.2	6.2	6.2	3.4	3.4	4.2	8.0	7.8	7.4
						0.2	178.0	23.5		34.9		8.2		89.6		6.2			3.4			7.6		
					M	0.2	159.0	23.5	23.5	35.0	35.0	8.2	8.2	89.5	89.5	6.2	6.2		4.2	4.3		7.4	7.4	
						0.2	165.0	23.5		35.0		8.2		89.4		6.2			4.3			7.3		
					B	0.2	161.0	23.5	23.5	34.9	34.9	8.2	8.2	89.5	89.6	6.2	6.2	6.2	4.8	4.9		7.0	7.1	
						0.1	153.0	23.5		34.9		8.2		89.6		6.2			5.0			7.2		
IM3	Cloudy	Rough	03:41	14.2	S	0.2	75.0	23.6	23.6	35.0	35.0	8.2	8.2	98.0	98.0	6.8	6.8	6.8	3.1	3.1	5.7	9.6	10.2	9.1
						0.2	74.0	23.6		35.0		8.2		97.9		6.8			3.1			10.8		
					M	0.3	102.0	23.6	23.6	35.0	35.0	8.2	8.2	97.2	97.2	6.7	6.7		5.0	5.2		6.7	8.7	
						0.3	108.0	23.6		35.0		8.2		97.1		6.7			5.4			10.6		
					B	0.2	74.0	23.6	23.6	35.0	35.0	8.2	8.2	97.0	97.1	6.7	6.7	6.7	9.2	8.9		8.9	8.4	
						0.3	73.0	23.6		35.0		8.2		97.1		6.7			8.7			7.9		
IM4	Cloudy	Rough	04:02	15.6	S	0.4	108.0	23.3	23.3	34.9	34.9	8.3	8.3	101.3	101.3	7.1	7.1	7.1	3.5	3.5	6.1	6.7	6.9	7.6
						0.3	114.0	23.3		34.9		8.3		101.3		7.1			3.6			7.0		
					M	0.4	125.0	23.3	23.3	34.9	34.9	8.3	8.3	100.9	100.9	7.0	7.0		4.3	4.3		7.8	7.6	
						0.4	120.0	23.3		34.9		8.3		100.8		7.0			4.3			7.4		
					B	0.4	94.0	23.3	23.3	34.9	34.9	8.3	8.3	100.9	101.0	7.1	7.1	7.1	10.2	10.5		8.1	8.3	
						0.4	89.0	23.3		34.9		8.3		101.0		7.1			10.8			8.5		
IM5	Cloudy	Rough	04:21	14.6	S	0.3	103.0	23.1	23.1	34.8	34.8	8.3	8.3	101.7	101.7	7.1	7.1	7.1	9.5	9.6	6.1	7.6	7.4	8.4
						0.3	95.0	23.1		34.8		8.3		101.7		7.1			9.6			7.2		
					M	0.3	101.0	23.1	23.1	34.8	34.8	8.3	8.3	101.6	101.6	7.1	7.1		3.5	3.5		8.0	8.3	
						0.3	101.0	23.1		34.8		8.3		101.5		7.1			3.5			8.5		
					B	0.4	104.0	23.1	23.1	34.8	34.8	8.3	8.3	101.4	101.5	7.1	7.1	7.1	5.1	5.1		9.4	9.5	
						0.4	109.0	23.1		34.8		8.3		101.5		7.1			5.1			9.6		
IM6	Cloudy	Rough	04:33	16.2	S	0.3	100.0	22.7	22.7	34.7	34.7	8.3	8.3	102.4	102.4	7.2	7.2	7.2	2.4	2.4	5.0	7.5	7.7	8.2
						0.3	100.0	22.7		34.7		8.3		102.4		7.2			2.4			7.8		
					M	0.3	99.0	22.7	22.7	34.7	34.7	8.3	8.3	102.0	102.0	7.2	7.2		3.2	3.2		8.2	8.2	
						0.3	95.0	22.7		34.7		8.3		102.0		7.2			3.1			8.1		
					B	0.3	100.0	22.7	22.7	34.7	34.7	8.3	8.3	101.7	101.7	7.2	7.2	7.2	8.6	9.3		8.6	8.8	
						0.3	106.0	22.7		34.7		8.3		101.7		7.2			10.0			9.0		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/14** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Cloudy	Rough	05:01	13.7	S	0.4	111.0	22.8	22.8	34.7	34.7	8.3	8.3	101.2	101.2	7.1	7.1	7.1	3.2	3.2	3.9	6.6	6.8	7.7
						0.4	114.0	22.8		34.7		8.3		101.1		7.1			3.2			6.9		
					M	0.4	93.0	22.8	22.8	34.7	34.7	8.3	8.3	100.8	100.8	7.1	7.1		4.1	4.1		8.0	7.9	
						0.3	99.0	22.8		34.7		8.3		100.8		7.1			4.2			7.7		
					B	0.3	102.0	22.8	22.8	34.7	34.7	8.3	8.3	100.6	100.6	7.1	7.1	7.1	4.6	4.5		8.2	8.4	
						0.4	104.0	22.8		34.7		8.3		100.6		7.1			4.4			8.5		
IM8	Cloudy	Rough	05:09	12.4	S	0.3	125.0	22.8	22.8	34.8	34.8	8.3	8.3	101.4	101.4	7.1	7.1	7.1	6.4	6.6	8.8	6.4	6.6	7.5
						0.4	131.0	22.8		34.8		8.3		101.4		7.1			6.8			6.8		
					M	0.4	131.0	22.8	22.8	34.8	34.8	8.3	8.3	100.8	100.8	7.1	7.1		11.2	11.3		8.0	7.9	
						0.4	127.0	22.8		34.8		8.3		100.8		7.1			11.5			7.7		
					B	0.3	121.0	22.8	22.8	34.7	34.7	8.3	8.3	100.5	100.6	7.1	7.1	7.1	8.9	8.6		8.0	8.2	
						0.4	125.0	22.8		34.7		8.3		100.6		7.1			8.2			8.3		
IM9	Cloudy	Rough	05:31	14.0	S	0.6	138.0	22.8	22.8	34.8	34.8	8.3	8.3	101.4	101.4	7.1	7.1	7.1	2.9	3.0	6.7	6.7	6.8	7.7
						0.5	142.0	22.8		34.8		8.3		101.4		7.1			3.0			6.9		
					M	0.6	133.0	22.8	22.8	34.8	34.8	8.3	8.3	100.9	100.9	7.1	7.1		3.8	4.3		7.4	7.7	
						0.7	138.0	22.8		34.8		8.3		100.9		7.1			4.8			7.9		
					B	0.6	139.0	22.8	22.8	34.8	34.8	8.3	8.3	100.8	100.8	7.1	7.1	7.1	13.5	13.0		8.6	8.6	
						0.6	144.0	22.8		34.8		8.3		100.8		7.1			12.4			8.6		
IM10	Fine	Rough	03:12	10.9	S	0.4	48.0	23.7	23.7	34.7	34.7	8.3	8.3	96.9	96.9	6.7	6.7	6.7	9.3	9.3	20.0	12.2	12.3	12.5
						0.4	54.0	23.7		34.7		8.3		96.9		6.7			9.3			12.4		
					M	0.3	58.0	23.7	23.7	34.7	34.7	8.3	8.3	96.1	96.1	6.7	6.7		17.4	17.4		11.5	11.1	
						0.4	56.0	23.7		34.7		8.3		96.1		6.7			17.3			10.6		
					B	0.4	52.0	23.6	23.6	34.7	34.7	8.3	8.3	95.7	95.7	6.7	6.7	6.7	33.3	33.3		14.0	14.2	
						0.3	54.0	23.6		34.7		8.3		95.7		6.7			33.3			14.4		
IM11A	Fine	Rough	03:20	4.2	S	0.8	134.0	23.8	23.8	34.7	34.7	8.3	8.3	97.3	97.3	6.7	6.7	6.7	32.2	31.8	51.0	20.9	20.7	74.8
						0.9	127.0	23.8		34.7		8.3		97.3		6.7			31.4			20.4		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.9	153.0	23.7	23.7	34.7	34.7	8.3	8.3	96.8	96.8	6.7	6.7	6.7	69.9	70.2		128.0	129.0	
						0.9	160.0	23.7		34.7		8.3		96.8		6.7			70.5			130.0		
IM12	Fine	Rough	03:26	13.1	S	1.0	145.0	23.7	23.7	34.7	34.7	8.3	8.3	96.1	96.1	6.7	6.7	6.6	13.0	13.1	18.0	19.2	21.1	27.3
						1.0	144.0	23.7		34.7		8.3		96.1		6.7			13.1			22.9		
					M	0.9	154.0	23.6	23.6	34.7	34.7	8.3	8.3	95.1	95.1	6.6	6.6		18.1	18.1		28.0	32.0	
						0.9	147.0	23.6		34.7		8.3		95.1		6.6			18.1			35.9		
					B	0.9	166.0	23.5	23.5	34.7	34.7	8.3	8.3	94.6	94.6	6.6	6.6	6.6	22.9	23.0		28.2	29.0	
						1.0	163.0	23.5		34.7		8.3		94.6		6.6			23.0			29.7		
IM13	Fine	Rough	03:42	18.3	S	0.8	181.0	23.7	23.7	33.3	33.2	8.3	8.3	93.0	93.0	6.5	6.5	6.5	7.0	7.0	13.0	13.6	14.1	11.1
						0.8	179.0	23.7		33.2		8.3		93.0		6.5			7.0			14.5		
					M	0.8	198.0	23.6	23.6	33.6	33.6	8.3	8.3	92.8	92.8	6.5	6.5		9.6	9.7		9.1	9.4	
						0.8	193.0	23.6		33.6		8.3		92.8		6.5			9.7			9.7		
					B	0.8	192.0	23.5	23.5	34.5	34.5	8.3	8.3	92.6	92.6	6.5	6.5	6.5	22.4	22.4		9.3	9.9	
						0.8	191.0	23.5		34.5		8.3		92.6		6.5			22.5			10.4		
IM14	Fine	Rough	03:49	10.3	S	0.8	209.0	23.7	23.7	34.6	34.6	8.3	8.3	95.3	95.3	6.6	6.6	6.6	8.5	8.5	15.7	12.9	13.5	24.8
						0.7	214.0	23.7		34.6		8.3		95.3		6.6			8.5			14.1		
					M	0.8	196.0	23.6	23.6	34.7	34.7	8.3	8.3	94.6	94.6	6.6	6.6		15.1	15.1		15.3	18.7	
						0.7	193.0	23.6		34.7		8.3		94.6		6.6			15.1			22.0		
					B	0.7	207.0	23.5	23.5	34.6	34.6	8.3	8.3	94.0	94.0	6.5	6.5	6.5	23.5	23.5		41.1	42.2	
						0.7	201.0	23.5		34.6		8.3		94.0		6.5			23.5			43.3		
IM15	Cloudy	Calm	04:03	8.0	S	1.1	198.5	23.7	23.7	31.1	31.0	8.0	8.0	94.4	94.5	6.7	6.7	6.6	6.2	6.1	8.3	6.0	6.2	9.0
						1.1	198.5	23.7		31.0		8.0		94.6		6.7			5.9			6.4		
					M	0.1	262.0	23.7	23.7	31.3	31.3	7.9	7.9	92.8	92.8	6.6	6.6		8.8	9.1		9.9	9.9	
						0.2	296.6	23.7		31.3		8.0		92.7		6.6			9.3			9.8		
					B	0.5	205.7	23.7	23.7	31.3	31.3	7.9	7.9	95.0	93.7	6.7	6.6	6.6	9.3	9.7		11.0	10.9	
						0.6	136.8	23.7		31.4		7.9		92.4		6.5			10.1			10.7		
IM16A	Cloudy	Calm	03:35	8.3	S	0.5	212.7	23.7	23.7	30.3	30.3	7.9	7.9	95.8	95.8	6.8	6.8	6.7	4.4	4.4	7.2	10.8	11.0	8.7
						0.5	212.7	23.7		30.3		8.0		95.7		6.8			4.4			11.2		
					M	0.4	189.2	23.7	23.7	30.8	30.6	7.9	7.9	91.4	92.8	6.5	6.6		8.1	7.5		9.2	9.5	
						0.4	95.3	23.7		30.4		7.9		94.1		6.7			6.8			9.7		
					B	0.8	180.5	23.7	23.7	30.9	30.9	7.9	7.9	91.5	91.3	6.5	6.5	6.5	9.3	9.6		5.4	5.7	
						0.8	180.5	23.7		30.9		7.9		91.1		6.5			9.9			5.9		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/14** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	03:16	6.0	S	1.2	224.3	23.8	23.8	29.1	29.1	7.9	7.9	94.0	94.2	6.7	6.7	6.6	4.5	4.5	5.5	4.8	4.8	6.0
						1.2	224.3	23.8		29.1		7.9		94.4		6.8			4.4			4.7		
					M	1.5	171.0	23.9	23.9	29.7	29.9	7.9	7.9	90.5	90.3	6.4	6.4		5.7	5.7		6.3	-	
						0.9	203.7	24.0		30.2		7.9		90.1		6.4			5.6			6.5		
					B	0.3	218.4	23.9	23.9	30.4	30.4	7.8	7.8	90.5	90.2	6.4	6.4	6.4	6.1	6.5		6.8	6.9	
						0.2	178.3	23.9		30.4		7.9		89.9		6.4			6.9			7.0		
IM18	Cloudy	Calm	03:03	18.0	S	1.7	163.7	23.9	24.0	29.6	29.6	7.9	7.9	92.4	92.5	6.6	6.6	6.3	4.6	4.6	8.2	3.6	3.9	8.3
						1.7	163.7	24.0		29.6		7.9		92.6		6.6			4.6			4.2		
					M	0.4	130.4	24.0	24.0	31.5	31.5	7.9	7.9	86.5	86.5	6.1	6.1		5.0	4.7		5.0	5.3	
						0.8	128.0	24.0		31.4		7.9		86.5		6.1			4.4			5.6		
					B	0.7	152.6	23.9	23.9	31.9	31.9	7.9	7.9	84.8	84.8	6.0	6.0	6.0	15.3	15.4		15.6	15.6	
						0.9	212.6	23.9		31.9		7.9		84.8		6.0			15.4			15.5		
IM19	Cloudy	Calm	02:50	18.2	S	1.1	211.9	24.3	24.4	30.5	30.5	7.9	7.9	89.9	89.8	6.3	6.3	6.3	3.5	3.5	4.6	4.2	4.3	6.7
						1.1	211.9	24.4		30.5		7.9		89.7		6.3			3.4			4.4		
					M	0.6	106.9	24.2	24.2	31.0	31.0	7.9	7.9	89.4	89.4	6.3	6.3		3.7	3.7		6.5	6.3	
						0.9	191.5	24.2		31.0		7.9		89.3		6.3			3.7			6.1		
					B	0.1	261.6	24.0	24.1	31.7	31.7	7.8	7.8	86.3	86.3	6.1	6.1	6.1	6.7	6.5		9.3	9.4	
						0.7	193.1	24.1		31.6		7.8		86.2		6.1			6.3			9.5		
IM20A	Cloudy	Calm	02:21	7.1	S	0.4	225.3	24.6	24.6	30.4	30.3	7.8	7.8	86.9	87.0	6.1	6.1	6.1	3.4	3.5	3.4	3.6	3.5	4.1
						0.4	225.3	24.6		30.3		7.8		87.0		6.1			3.5			3.3		
					M	0.8	225.3	24.5	24.5	30.6	30.6	7.8	7.8	87.5	87.4	6.1	6.1		3.5	3.4		4.4	4.2	
						0.3	252.8	24.5		30.5		7.8		87.2		6.1			3.3			4.0		
					B	0.7	213.9	24.5	24.5	30.6	30.6	7.8	7.8	88.3	88.1	6.2	6.2	6.2	3.3	3.5		4.5	4.7	
						0.4	255.5	24.5		30.6		7.8		87.9		6.2			3.6			4.9		
IM21A	Cloudy	Calm	02:29	7.1	S	1.0	208.9	24.6	24.6	30.5	30.5	7.8	7.8	86.3	86.3	6.0	6.0	6.1	5.4	5.5	4.8	5.9	5.8	5.5
						1.0	208.9	24.6		30.5		7.8		86.2		6.0			5.5			5.6		
					M	0.2	299.6	24.6	24.6	30.6	30.6	7.8	7.8	86.9	86.9	6.1	6.1		4.4	4.5		5.4	5.5	
						0.2	299.6	24.6		30.6		7.8		86.9		6.1			4.5			5.5		
					B	0.3	165.4	24.6	24.6	30.6	30.7	7.8	7.8	87.4	87.3	6.1	6.1	6.1	4.6	4.6		5.1	5.2	
						0.4	199.1	24.6		30.7		7.8		87.1		6.1			4.6			5.3		
IM22A	Cloudy	Calm	02:37	5.3	S	0.7	173.1	25.8	25.8	30.7	30.7	7.8	7.8	91.5	91.6	6.3	6.3	6.3	5.6	5.5	5.3	6.8	6.7	6.5
						0.7	173.1	25.8		30.7		7.8		91.7		6.3			5.3			6.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.8	259.5	25.7	25.7	30.7	30.7	7.8	7.8	92.2	92.0	6.3	6.3	6.3	5.0	5.2		6.1	6.3	
						0.5	137.4	25.7		30.7		7.8		91.7		6.3			5.4			6.5		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/16** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Misty	Rough	19:37	12.4	S	0.1	161.0	23.6	23.6	34.4	34.4	8.1	8.1	83.4	83.5	5.8	5.8	5.8	3.0	3.0	3.7	3.7	3.6	3.2
						0.1	167.0	23.6		34.4		8.1		83.5		5.8			3.0			3.5		
					M	0.1	160.0	23.6	23.6	34.4	34.4	8.1	8.1	83.5	83.6	5.8	5.8		3.3	3.4		3.2	3.3	
						0.1	159.0	23.6		34.4		8.1		83.6		5.8			3.5			3.4		
					B	0.1	184.0	23.7	23.7	34.4	34.4	8.1	8.1	83.9	84.0	5.8	5.8	5.8	4.9	4.9		3.0	2.8	
						0.1	177.0	23.7		34.4		8.1		84.0		5.8			4.8			2.6		
E2	Cloudy	Rough	18:33	9.5	S	0.1	259.0	24.4	24.4	35.1	35.1	8.5	8.5	116.0	115.9	7.9	7.9	7.8	2.9	3.0	7.7	13.6	13.3	11.8
						0.1	254.0	24.4		35.1		8.5		115.8		7.9			3.0			13.0		
					M	0.1	246.0	24.3	24.3	35.1	35.1	8.5	8.5	112.1	111.8	7.7	7.7		4.7	4.7		12.4	12.1	
						0.1	250.0	24.3		35.1		8.5		111.5		7.6			4.7			11.7		
					B	0.1	230.0	24.3	24.3	35.1	35.1	8.5	8.5	110.3	110.1	7.6	7.5	7.5	8.2	15.3		10.3	10.1	
						0.1	223.0	24.3		35.1		8.5		109.9		7.5			22.4			9.9		
E3	Cloudy	Rough	17:35	15.8	S	0.3	320.0	24.0	24.0	34.8	34.8	8.5	8.5	108.8	108.8	7.5	7.5	7.4	6.0	6.0	14.4	6.5	6.9	6.5
						0.3	318.0	24.0		34.8		8.5		108.7		7.5			6.0			7.2		
					M	0.2	313.0	24.0	24.0	34.8	34.8	8.5	8.5	107.2	107.1	7.4	7.4		12.9	13.4		6.2	6.4	
						0.2	313.0	24.0		34.8		8.5		107.0		7.4			13.9			6.5		
					B	0.3	292.0	24.0	24.0	34.8	34.8	8.5	8.5	105.4	105.3	7.3	7.3	7.3	23.5	23.8		6.5	6.4	
						0.2	295.0	24.0		34.7		8.5		105.2		7.3			24.2			6.3		
E4	Cloudy	Rough	16:23	10.1	S	0.1	51.0	24.6	24.6	32.1	32.1	8.4	8.4	96.2	96.2	6.7	6.7	6.6	3.1	3.1	7.8	6.1	6.3	5.2
						0.1	51.0	24.5		32.2		8.4		96.2		6.7			3.1			6.5		
					M	0.1	40.0	24.2	24.2	33.0	33.1	8.5	8.5	95.2	95.1	6.6	6.6		5.7	6.3		4.9	5.1	
						0.1	45.0	24.1		33.1		8.5		95.0		6.6			7.0			5.2		
					B	0.1	56.0	24.1	24.1	33.9	33.9	8.5	8.5	94.3	94.4	6.5	6.5	6.5	14.4	14.0		4.3	4.2	
						0.1	50.0	24.1		33.9		8.5		94.4		6.5			13.7			4.0		
E5	Cloudy	Calm	15:59	7.0	S	0.7	317.5	24.2	24.2	30.9	30.9	7.8	7.8	93.9	94.0	6.6	6.6	6.6	6.1	5.9	6.0	7.1	7.3	6.7
						0.7	317.5	24.2		30.9		7.8		94.0		6.6			5.7			7.4		
					M	0.5	41.9	24.2	24.1	30.9	31.0	7.8	7.8	93.9	93.8	6.6	6.6		6.2	6.3		6.9	6.7	
						0.5	41.9	24.1		31.0		7.8		93.6		6.6			6.3			6.4		
					B	0.3	344.6	24.1	24.1	31.0	31.0	7.8	7.8	94.1	94.0	6.6	6.6	6.6	5.6	6.0		6.2	6.1	
						0.3	197.0	24.1		31.0		7.8		93.8		6.6			6.3			5.9		
E6	Cloudy	Calm	17:05	7.0	S	1.9	331.8	24.9	24.9	29.2	29.2	7.9	7.9	95.5	95.8	6.7	6.7	6.3	3.6	3.5	6.3	4.4	4.2	7.5
						1.9	331.8	24.9		29.2		7.9		96.0		6.7			3.3			3.9		
					M	1.1	328.7	24.2	24.2	30.5	30.5	7.8	7.8	84.6	84.8	6.0	6.0		7.2	6.9		8.9	8.6	
						1.1	328.7	24.3		30.5		7.8		84.9		6.0			6.5			8.3		
					B	0.1	118.8	24.2	24.2	30.6	30.6	7.8	7.8	84.6	84.4	6.0	5.9	5.9	8.4	8.5		9.5	9.8	
						0.1	77.9	24.2		30.6		7.8		84.2		5.9			8.6			10.1		
E7A	Cloudy	Calm	17:24	5.0	S	0.1	250.7	24.8	24.8	28.6	28.6	7.9	7.9	95.9	96.1	6.8	6.8	6.8	3.7	3.7	4.0	4.2	4.6	5.4
						0.1	250.7	24.8		28.6		7.9		96.2		6.8			3.6			4.9		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	85.7	24.6	24.6	30.1	30.2	7.8	7.8	89.3	88.8	6.3	6.2	6.2	4.3	4.3		6.6	6.3	
						0.9	39.1	24.6		30.2		7.8		88.2		6.2			4.2			6.0		
F1	Misty	Rough	18:47	17.8	S	0.1	302.0	23.6	23.6	34.3	33.3	8.1	8.1	106.6	106.6	7.6	7.5	7.5	2.4	2.4	3.9	6.2	6.0	5.3
						0.1	298.0	23.6		32.3		8.1		106.5		7.5			2.5			5.8		
					M	0.1	281.0	23.6	23.7	32.3	32.3	8.1	8.1	105.8	105.7	7.5	7.5		3.5	3.5		5.5	5.3	
						0.1	277.0	23.7		32.3		8.1		105.5		7.5			3.5			5.1		
					B	0.1	285.0	23.7	23.7	32.3	32.3	8.1	8.1	104.9	104.7	7.4	7.4	7.4	5.9	5.9		4.6	4.5	
						0.1	285.0	23.7		32.3		8.1		104.5		7.4			5.9			4.3		
F2	Misty	Rough	18:21	22.7	S	0.1	266.0	23.7	23.7	34.4	34.4	8.1	8.1	87.1	87.0	6.3	6.3	6.2	2.7	2.8	4.4	3.2	3.3	3.5
						0.1	272.0	23.7		34.4		8.1		86.9		6.3			2.8			3.3		
					M	0.1	294.0	23.7	23.7	34.4	34.4	8.1	8.1	86.4	86.3	6.2	6.2		4.9	4.9		3.4	3.3	
						0.1	297.0	23.7		34.4		8.1		86.2		6.2			5.0			3.2		
					B	0.1	301.0	23.7	23.7	34.4	34.4	8.1	8.1	81.7	81.6	5.9	5.9	5.9	5.4	5.4		3.6	3.8	
						0.1	296.0	23.7		34.4		8.1		81.4		5.9			5.4			4.0		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/16** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Misty	Rough	16:35	15.0	S	0.1	286.0	23.6	23.6	32.3	32.3	8.1	8.1	90.3	90.3	6.4	6.4	6.4	3.8	3.9	4.7	3.8	3.6	4.2
						0.1	279.0	23.6		32.3		8.1		90.3		6.4			3.9			3.4		
					M	0.1	290.0	23.6	23.6	32.3	32.3	8.1	8.1	90.7	90.8	6.4	6.4		4.8	4.8		4.0	4.2	
						0.1	284.0	23.6		32.3		8.1		90.8		6.4			4.8			4.4		
					B	0.1	289.0	23.6	23.6	32.2	32.2	8.1	8.1	91.9	92.0	6.5	6.5	6.5	5.5	5.5		4.7	4.8	
						0.2	290.0	23.6		32.2		8.1		92.1		6.5			5.5			4.8		
F4	Cloudy	Rough	18:00	12.8	S	0.2	282.0	24.2	24.2	35.0	35.0	8.5	8.5	114.2	114.2	7.8	7.8	7.7	2.5	2.5	4.1	7.7	7.5	6.3
						0.2	277.0	24.2		35.0		8.5		114.1		7.8			2.6			7.3		
					M	0.1	287.0	24.1	24.1	35.0	35.0	8.5	8.5	109.5	109.3	7.5	7.5		3.8	4.0		6.3	6.1	
						0.1	286.0	24.1		35.0		8.5		109.0		7.5			4.2			5.9		
					B	0.2	285.0	24.1	24.1	35.0	35.0	8.5	8.5	107.4	107.4	7.4	7.4	7.4	5.9	5.9		5.0	5.3	
						0.2	279.0	24.1		35.0		8.5		107.3		7.4			5.9			5.5		
F5	Cloudy	Rough	15:56	5.4	S	0.1	45.0	24.1	24.1	33.1	33.1	8.4	8.4	93.0	93.0	6.5	6.5	6.5	8.2	8.4	8.8	7.7	7.8	8.7
						0.1	48.0	24.1		33.2		8.4		93.0		6.5			8.6			7.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	55.0	24.0	24.0	33.4	33.5	8.4	8.4	92.7	92.7	6.4	6.4	6.4	9.3	9.3		9.9	9.6	
						0.2	49.0	24.0		33.5		8.4		92.7		6.4			9.3			9.3		
F6	Cloudy	Calm	18:53	15.0	S	0.5	273.5	24.3	24.3	30.7	30.7	7.8	7.9	95.4	95.5	6.7	6.7	6.5	4.3	4.3	4.6	4.4	4.6	5.2
						0.5	273.5	24.4		30.7		7.9		95.5		6.7			4.3			4.8		
					M	0.6	351.8	24.3	24.3	31.2	31.2	7.8	7.8	90.9	90.9	6.4	6.4		4.4	4.4		5.0	5.2	
						0.6	351.8	24.3		31.2		7.8		90.9		6.4			4.3			5.4		
					B	0.4	348.9	24.2	24.2	31.6	31.6	7.8	7.8	87.2	87.0	6.1	6.1	6.1	5.2	5.2		6.0	5.9	
						0.4	37.1	24.2		31.6		7.8		86.8		6.1			5.2			5.8		
IM1	Misty	Rough	19:01	11.4	S	0.1	143.0	23.6	23.6	34.4	34.4	8.1	8.1	84.2	84.2	5.9	5.9	5.9	1.9	1.9	2.5	4.5	4.3	3.6
						0.1	142.0	23.6		34.4		8.1		84.2		5.9			1.9			4.1		
					M	0.1	128.0	23.6	23.6	34.3	34.3	8.1	8.1	84.2	84.2	5.9	5.9		2.6	2.7		3.7	3.6	
						0.1	126.0	23.6		34.3		8.1		84.2		5.9			2.7			3.4		
					B	0.1	156.0	23.7	23.7	34.3	34.3	8.1	8.1	84.2	84.2	5.9	5.9	5.9	3.1	3.1		3.0	2.9	
						0.1	155.0	23.7		34.3		8.1		84.2		5.9			3.0			2.7		
IM2	Misty	Rough	19:18	10.2	S	0.1	50.0	23.7	23.7	34.3	34.3	8.1	8.1	88.1	88.1	6.4	6.4	6.3	2.6	2.6	3.5	3.6	3.4	4.3
						0.1	55.0	23.7		34.3		8.1		88.0		6.4			2.6			3.2		
					M	0.1	46.0	23.7	23.7	34.3	34.2	8.1	8.1	87.6	87.6	6.3	6.3		3.5	3.5		4.3	4.3	
						0.1	44.0	23.7		34.2		8.1		87.5		6.3			3.5			4.3		
					B	0.1	50.0	23.7	23.7	34.4	34.4	8.1	8.1	87.6	87.7	6.3	6.3	6.3	4.4	4.5		5.3	5.2	
						0.1	44.0	23.7		34.4		8.1		87.8		6.4			4.6			5.1		
IM3	Misty	Rough	18:00	16.2	S	0.1	244.0	23.6	23.6	32.9	32.9	8.1	8.1	109.4	109.4	7.7	7.7	7.7	1.0	1.1	2.2	3.5	3.7	4.4
						0.1	238.0	23.6		32.9		8.1		109.4		7.7			1.1			3.9		
					M	0.1	272.0	23.6	23.7	32.9	32.8	8.1	8.1	109.9	110.0	7.7	7.7		2.2	2.2		4.2	4.4	
						0.1	277.0	23.7		32.8		8.1		110.0		7.7			2.2			4.6		
					B	0.1	252.0	23.7	23.7	32.8	32.8	8.1	8.1	109.9	109.9	7.7	7.7	7.7	3.5	3.5		5.0	5.2	
						0.1	248.0	23.7		32.8		8.1		109.8		7.7			3.4			5.3		
IM4	Misty	Rough	17:39	15.4	S	0.1	251.0	23.6	23.6	34.4	34.4	8.1	8.1	83.5	83.5	5.8	5.8	5.8	2.6	2.6	3.6	5.3	5.1	4.4
						0.1	251.0	23.6		34.4		8.1		83.5		5.8			2.6			4.9		
					M	0.1	271.0	23.6	23.6	34.3	34.3	8.1	8.1	84.1	84.2	5.9	5.9		3.5	3.5		4.5	4.4	
						0.1	265.0	23.6		34.3		8.1		84.2		5.9			3.5			4.2		
					B	0.1	283.0	23.6	23.6	34.3	34.3	8.1	8.1	84.3	84.3	5.9	5.9	5.9	4.7	4.6		3.6	3.7	
						0.1	282.0	23.6		34.2		8.1		84.3		5.9			4.6			3.8		
IM5	Misty	Rough	17:22	14.6	S	0.2	291.0	23.6	23.6	34.3	34.3	8.1	8.1	83.1	83.2	5.8	5.8	5.8	2.2	2.2	3.3	4.2	4.3	3.8
						0.2	290.0	23.6		34.3		8.1		83.2		5.8			2.2			4.3		
					M	0.1	268.0	23.6	23.6	34.3	34.3	8.1	8.1	83.3	83.3	5.8	5.8		3.6	3.7		3.9	3.8	
						0.2	275.0	23.6		34.3		8.1		83.3		5.8			3.7			3.6		
					B	0.1	282.0	23.7	23.7	34.3	34.3	8.1	8.1	83.3	83.3	5.8	5.8	5.8	4.1	4.1		3.4	3.5	
						0.2	274.0	23.7		34.3		8.1		83.3		5.8			4.1			3.6		
IM6	Misty	Rough	16:53	14.8	S	0.1	296.0	23.6	23.6	34.4	34.4	8.1	8.1	82.7	82.7	5.8	5.8	5.8	3.5	3.6	4.7	3.6	3.8	4.5
						0.1	290.0	23.6		34.4		8.1		82.7		5.8			3.7			4.0		
					M	0.1	283.0	23.6	23.6	34.3	34.3	8.1	8.1	82.8	82.9	5.8	5.8		4.7	4.7		4.6	4.5	
						0.1	279.0	23.6		34.3		8.1		82.9		5.8			4.7			4.3		
					B	0.1	294.0	23.6	23.6	34.3	34.3	8.1	8.1	83.1	83.1	5.8	5.8	5.8	5.8	5.8		5.0	5.2	
						0.1	294.0	23.6		34.3		8.1		83.1		5.8			5.8			5.4		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/16** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Misty	Rough	16:07	12.2	S	0.2	267.0	23.6	23.6	34.3	34.3	8.1	8.1	85.5	85.6	6.0	6.0	6.0	2.4	2.3	3.5	3.0	3.2	4.1
						0.2	264.0	23.6		34.3		8.1		85.7		6.0			2.3			3.4		
					M	0.2	257.0	23.6	23.6	34.3	34.3	8.1	8.1	86.4	86.6	6.0	6.0		3.7	3.7		3.6	3.8	
						0.1	260.0	23.6		34.3		8.1		86.7		6.0			3.7			4.0		
					B	0.1	285.0	23.7	23.7	34.3	34.3	8.1	8.1	87.7	87.8	6.1	6.1	6.1	4.6	4.6		5.3	5.2	
						0.2	291.0	23.7		34.3		8.1		87.9		6.1			4.5			5.0		
IM8	Misty	Rough	16:15	13.8	S	0.1	268.0	23.7	23.7	32.9	32.9	8.1	8.1	106.9	106.8	7.5	7.5	7.5	5.2	5.2	6.1	3.6	3.5	4.2
						0.1	261.0	23.7		32.9		8.1		106.6		7.5			5.1			3.3		
					M	0.1	284.0	23.7	23.7	32.9	32.9	8.1	8.1	106.0	105.9	7.5	7.5		6.2	6.2		4.4	4.2	
						0.2	278.0	23.7		32.9		8.1		105.8		7.5			6.2			4.0		
					B	0.1	266.0	23.7	23.7	32.9	32.9	8.1	8.1	105.2	105.1	7.4	7.4	7.4	7.0	7.1		4.7	5.0	
						0.2	266.0	23.6		32.9		8.1		105.0		7.4			7.1			5.2		
IM9	Misty	Rough	15:49	14.6	S	0.2	299.0	23.6	23.6	34.3	34.4	8.1	8.1	89.2	89.4	6.2	6.2	6.3	5.4	5.3	6.2	6.3	6.1	4.8
						0.2	305.0	23.5		34.4		8.1		89.5		6.2			5.3			5.8		
					M	0.1	299.0	23.4	23.4	34.4	34.4	8.1	8.1	90.3	90.6	6.3	6.3		6.1	6.2		4.8	4.6	
						0.1	293.0	23.4		34.4		8.1		90.8		6.3			6.2			4.4		
					B	0.1	283.0	23.4	23.4	34.4	34.3	8.1	8.1	92.7	93.7	6.5	6.6	6.6	7.2	7.2		3.5	3.7	
						0.1	283.0	23.3		34.3		8.1		94.7		6.6			7.2			3.8		
IM10	Cloudy	Rough	17:14	12.3	S	0.1	267.0	24.0	24.0	34.8	34.8	8.5	8.5	104.6	104.6	7.2	7.2	7.2	7.7	8.0	13.4	11.5	11.7	12.7
						0.1	273.0	24.0		34.8		8.5		104.5		7.2			8.2			11.8		
					M	0.1	273.0	24.0	24.0	34.8	34.8	8.5	8.5	103.9	103.9	7.2	7.2		10.3	10.2		12.3	12.5	
						0.1	271.0	24.0		34.8		8.5		103.8		7.2			10.2			12.7		
					B	0.1	290.0	24.0	24.0	34.7	34.7	8.5	8.5	102.5	102.4	7.1	7.1	7.1	22.7	22.0		13.6	13.8	
						0.1	294.0	24.0		34.7		8.5		102.3		7.1			21.3			14.0		
IM11A	Cloudy	Moderate	17:05	4.8	S	0.3	314.0	24.2	24.2	34.7	34.7	8.5	8.5	103.8	103.8	7.1	7.1	7.1	8.8	9.0	9.9	14.8	14.5	15.9
						0.2	308.0	24.2		34.7		8.5		103.8		7.1			9.1			14.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	335.0	24.1	24.2	34.7	34.7	8.5	8.5	102.6	102.3	7.1	7.0	7.0	10.7	10.8		17.6	17.3	
						0.2	332.0	24.2		34.7		8.5		102.0		7.0			10.9			16.9		
IM12	Cloudy	Moderate	16:58	12.3	S	0.1	329.0	24.1	24.1	34.8	34.8	8.5	8.5	103.8	103.7	7.2	7.1	7.1	11.5	11.5	14.3	14.4	14.2	17.0
						0.1	333.0	24.1		34.8		8.5		103.6		7.1			11.6			13.9		
					M	0.1	339.0	24.0	24.0	34.8	34.8	8.5	8.5	102.5	102.5	7.1	7.1		12.5	12.5		15.3	15.1	
						0.1	336.0	24.0		34.8		8.5		102.4		7.1			12.5			14.8		
					B	0.1	315.0	24.0	24.0	34.9	34.9	8.5	8.5	100.1	100.1	7.0	7.0	7.0	18.9	18.8		21.4	21.7	
						0.2	318.0	24.0		34.9		8.5		100.0		7.0			18.8			21.9		
IM13	Cloudy	Moderate	16:39	22.2	S	0.1	4.0	24.1	24.1	32.8	32.9	8.5	8.5	96.6	96.7	6.7	6.7	6.7	3.1	3.5	12.5	4.8	4.9	5.5
						0.1	9.0	24.1		33.0		8.5		96.7		6.7			3.8			4.9		
					M	0.1	23.0	24.0	24.0	34.1	34.1	8.5	8.5	96.8	96.8	6.7	6.7		10.8	11.6		5.5	5.3	
						0.1	19.0	23.9		34.2		8.5		96.8		6.7			12.4			5.1		
					B	0.1	2.0	23.9	23.9	34.5	34.5	8.5	8.5	96.2	96.2	6.7	6.7	6.7	22.3	22.4		6.5	6.4	
						0.1	358.0	23.9		34.5		8.5		96.2		6.7			22.5			6.2		
IM14	Cloudy	Moderate	16:31	9.4	S	0.1	230.0	25.1	25.1	31.4	31.4	8.4	8.4	98.4	98.5	6.8	6.8	6.8	2.1	2.1	4.1	4.8	4.7	5.1
						0.1	231.0	25.1		31.4		8.4		98.5		6.8			2.1			4.6		
					M	0.1	230.0	24.2	24.2	33.0	33.0	8.4	8.4	96.9	96.9	6.7	6.7		3.7	3.8		5.4	5.2	
						0.1	226.0	24.2		33.0		8.4		96.9		6.7			3.9			5.0		
					B	0.1	208.0	24.2	24.2	33.1	33.1	8.4	8.4	96.8	96.9	6.7	6.7	6.7	6.3	6.4		5.2	5.3	
						0.1	201.0	24.2		33.1		8.4		96.9		6.7			6.6			5.4		
IM15	Cloudy	Calm	15:49	8.0	S	0.6	265.6	24.2	24.2	30.8	30.8	7.8	7.8	94.2	94.1	6.6	6.6	6.6	8.1	8.0	8.4	8.6	8.8	9.7
						0.6	265.6	24.2		30.8		7.8		94.0		6.6			7.9			9.0		
					M	0.4	139.3	24.2	24.2	30.9	30.9	7.8	7.8	94.5	94.1	6.6	6.6		8.2	8.3		9.3	9.4	
						0.5	107.5	24.2		30.9		7.8		93.7		6.6			8.4			9.5		
					B	1.0	18.8	24.2	24.2	31.0	31.0	7.8	7.8	94.4	94.4	6.6	6.6	6.6	8.6	8.8		10.6	10.9	
						0.4	225.4	24.2		30.9		7.8		94.3		6.6			9.0			11.2		
IM16A	Cloudy	Calm	16:12	8.0	S	0.4	80.0	24.5	24.5	30.5	30.4	7.8	7.8	92.6	92.6	6.5	6.5	6.5	6.0	5.8	8.2	6.6	6.3	9.4
						0.4	80.0	24.5		30.4		7.8		92.6		6.5			5.5			5.9		
					M	0.8	357.6	24.4	24.4	30.8	30.8	7.8	7.8	93.7	94.0	6.6	6.6		7.8	8.1		8.9	8.6	
						0.5	127.3	24.4		30.9		7.9		94.2		6.6			8.4			8.2		
					B	1.1	21.7	24.3	24.3	31.1	31.1	7.8	7.8	94.6	94.5	6.6	6.6	6.6	10.7	10.9		13.8	13.4	
						0.3	125.6	24.3		31.1		7.8		94.4		6.6			11.0			13.0		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/16** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	16:30	5.0	S	1.1	353.7	24.6	24.6	29.4	29.5	7.8	7.8	92.3	91.9	6.5	6.5	6.5	6.3	6.4	6.8	6.0	5.9	5.4
						1.1	353.7	24.6		29.5		7.8		91.5		6.4			6.5			5.7		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.2	351.1	24.6	24.5	29.3	29.5	7.8	7.8	94.2	91.7	6.6	6.5	6.5	6.6	7.3		5.2	5.0	
						0.7	80.7	24.4		29.7		7.8		89.2		6.3			7.9			4.7		
IM18	Cloudy	Calm	16:42	17.0	S	0.8	283.5	24.8	24.8	29.3	29.3	7.9	7.9	96.4	96.7	6.8	6.8	6.4	3.2	3.1	5.5	3.8	3.7	6.8
						0.8	283.5	24.8		29.3		7.9		96.9		6.8			3.0			3.6		
					M	1.2	338.1	24.2	24.2	30.8	30.8	7.8	7.8	85.8	85.9	6.0	6.0		4.5	4.6		4.6	4.7	
						1.2	338.1	24.2		30.8		7.8		85.9		6.0			4.6			4.8		
					B	0.6	302.9	24.2	24.2	31.4	31.4	7.8	7.8	84.1	83.7	5.9	5.9	5.9	8.8	8.9		11.8	12.1	
						0.6	341.6	24.2		31.4		7.8		83.3		5.8			9.0			12.3		
IM19	Cloudy	Calm	18:24	18.0	S	0.4	278.1	24.4	24.4	30.2	30.2	7.9	7.9	92.4	92.4	6.5	6.5	6.4	3.2	3.2	4.5	4.8	4.6	7.0
						0.4	278.1	24.4		30.3		7.9		92.4		6.5			3.1			4.3		
					M	0.9	260.0	24.5	24.5	31.1	31.1	7.9	7.9	91.4	91.6	6.4	6.4		4.7	4.6		7.4	7.3	
						0.9	260.0	24.5		31.1		7.9		91.7		6.4			4.4			7.1		
					B	0.7	44.8	24.4	24.4	31.4	31.4	7.8	7.8	88.5	88.5	6.2	6.2	6.2	5.7	5.9		8.9	9.2	
						0.6	96.0	24.4		31.4		7.9		88.4		6.2			6.0			9.4		
IM20A	Cloudy	Calm	17:39	7.0	S	0.6	213.4	25.9	25.9	28.9	28.9	7.9	7.9	96.8	97.1	6.7	6.7	6.4	4.9	4.9	5.5	5.4	5.6	6.4
						0.6	213.4	25.9		28.9		7.9		97.4		6.7			4.8			5.7		
					M	1.2	357.6	24.9	24.9	30.4	30.4	7.8	7.8	88.7	88.7	6.2	6.2		5.6	5.6		6.8	6.6	
						1.2	357.6	24.9		30.4		7.8		88.7		6.2			5.5			6.4		
					B	0.5	313.3	24.8	24.8	30.4	30.4	7.8	7.8	87.5	87.4	6.1	6.1	6.1	6.1	6.1		7.1	7.1	
						0.5	30.3	24.8		30.4		7.8		87.3		6.1			6.1			7.0		
IM21A	Cloudy	Calm	17:46	7.0	S	0.1	70.9	25.4	25.5	29.2	29.0	7.9	7.9	93.3	94.6	6.5	6.6	6.4	5.3	5.1	6.5	5.9	6.2	8.2
						0.3	66.4	25.5		28.8		7.9		95.8		6.7			4.9			6.4		
					M	0.6	163.7	25.2	25.1	29.7	29.9	7.8	7.8	90.4	90.1	6.3	6.3		6.1	6.4		8.2	8.5	
						0.1	257.7	25.1		30.0		7.8		89.7		6.2			6.7			8.8		
					B	0.3	87.2	24.8	24.9	30.5	30.5	7.8	7.8	87.7	87.5	6.1	6.1	6.1	7.8	8.0		9.8	10.0	
						0.5	270.7	24.9		30.5		7.8		87.3		6.1			8.2			10.2		
IM22A	Cloudy	Calm	17:54	5.0	S	0.4	170.0	25.0	25.1	30.4	30.4	7.8	7.8	91.6	91.8	6.4	6.4	6.4	5.3	5.1	4.7	7.6	7.8	5.9
						0.4	170.0	25.1		30.3		7.8		91.9		6.4			4.8			8.0		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.7	146.1	24.9	24.9	30.6	30.6	7.8	7.8	91.2	90.7	6.3	6.3	6.3	4.0	4.3		3.9	4.1	
						0.7	146.1	24.9		30.6		7.8		90.1		6.3			4.5			4.2		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/16** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Misty	Rough	03:26	10.6	S	0.1	159.0	23.6	23.6	34.6	34.6	8.2	8.2	77.4	77.5	5.4	5.4	5.6	4.1	4.1	5.4	3.0	2.9	3.6
						0.2	156.0	23.5		34.6		8.2		77.5		5.4			4.2			2.7		
					M	0.2	160.0	23.4	23.4	34.7	34.7	8.2	8.2	83.1	83.1	5.8	5.8		5.1	5.2		3.2	3.4	
						0.2	166.0	23.4		34.7		8.2		83.1		5.8			5.2			3.5		
					B	0.2	141.0	23.4	23.4	34.7	34.7	8.2	8.2	83.3	83.3	5.8	5.8	5.8	7.0	7.0		4.6	4.5	
						0.2	135.0	23.4		34.7		8.2		83.3		5.8			7.0			4.3		
E2	Cloudy	Rough	05:00	8.4	S	0.2	86.0	24.1	24.1	35.1	35.1	8.5	8.4	110.8	110.8	7.6	7.6	7.6	1.6	1.6	4.4	7.0	6.9	6.2
						0.2	88.0	24.1		35.1		8.4		110.7		7.6			1.6			6.7		
					M	0.1	78.0	24.0	24.0	35.1	35.1	8.4	8.4	109.3	109.4	7.5	7.5		4.1	4.3		6.6	6.5	
						0.2	75.0	24.0		35.1		8.4		109.4		7.5			4.5			6.3		
					B	0.1	104.0	23.9	23.9	35.1	35.1	8.4	8.4	104.8	104.8	7.2	7.2	7.2	7.1	7.2		5.1	5.3	
						0.1	101.0	23.9		35.1		8.4		104.8		7.2			7.3			5.5		
E3	Cloudy	Rough	05:42	16.0	S	0.7	128.0	23.9	23.9	34.7	34.7	8.5	8.5	102.1	102.1	7.1	7.1	6.9	2.9	2.9	12.2	4.4	4.6	5.3
						0.7	130.0	23.9		34.7		8.5		102.0		7.1			2.9			4.7		
					M	0.7	125.0	23.7	23.7	34.8	34.8	8.5	8.4	98.4	98.4	6.8	6.8		16.5	16.7		5.6	5.4	
						0.8	119.0	23.7		34.8		8.4		98.3		6.8			16.9			5.2		
					B	0.7	125.0	23.7	23.7	34.8	34.7	8.4	8.4	98.3	98.4	6.8	6.8	6.8	17.1	16.9		5.7	5.9	
						0.7	127.0	23.7		34.7		8.4		98.4		6.8			16.6			6.0		
E4	Cloudy	Moderate	06:39	9.6	S	0.7	218.0	24.0	24.0	33.7	33.7	8.4	8.4	93.6	93.5	6.5	6.5	6.4	4.5	4.6	13.5	6.0	5.3	29.5
						0.7	217.0	24.0		33.8		8.4		93.4		6.5			4.8			4.5		
					M	0.7	211.0	23.8	23.8	34.0	34.0	8.4	8.4	91.7	91.7	6.4	6.4		11.7	11.7		8.3	8.7	
						0.7	211.0	23.8		34.0		8.4		91.7		6.4			11.7			9.1		
					B	0.6	197.0	23.8	23.8	34.0	34.0	8.4	8.4	91.8	91.9	6.4	6.4	6.4	24.2	24.3		63.7	74.5	
						0.7	195.0	23.8		34.0		8.4		91.9		6.4			24.4			85.2		
E5	Cloudy	Calm	05:40	7.0	S	1.3	243.5	23.8	23.8	30.6	30.6	7.9	7.9	95.0	95.0	6.7	6.7	6.7	3.9	4.0	4.0	3.5	3.4	4.1
						1.3	243.5	23.8		30.6		7.9		94.9		6.7			4.0			3.3		
					M	1.2	48.4	23.8	23.8	30.6	30.6	7.9	7.9	94.9	94.9	6.7	6.7		3.9	4.0		4.2	4.1	
						1.2	48.4	23.8		30.6		7.9		94.9		6.7			4.0			3.9		
					B	0.9	183.2	23.8	23.8	30.7	30.7	7.8	7.8	94.5	94.8	6.7	6.7	6.7	4.3	4.2		4.7	4.9	
						1.1	173.5	23.8		30.7		7.9		95.0		6.7			4.0			5.0		
E6	Cloudy	Calm	03:30	7.0	S	0.5	322.4	24.3	24.3	29.9	29.9	7.7	7.7	89.6	89.9	6.3	6.3	6.3	3.7	3.7	4.1	3.3	3.5	4.4
						0.5	322.4	24.3		29.9		7.7		90.1		6.4			3.6			3.7		
					M	0.8	157.9	24.3	24.3	30.2	30.2	7.7	7.7	87.4	87.7	6.2	6.2		4.6	4.4		4.4	4.4	
						0.4	184.5	24.3		30.2		7.7		88.0		6.2			4.1			4.3		
					B	0.2	136.5	24.2	24.2	30.5	30.5	7.7	7.7	87.0	86.9	6.1	6.1	6.1	4.4	4.4		5.5	5.3	
						0.3	153.2	24.2		30.5		7.7		86.7		6.1			4.4			5.1		
E7A	Cloudy	Calm	03:52	5.0	S	0.9	269.9	24.4	24.4	29.6	29.6	7.8	7.8	88.8	88.6	6.3	6.3	6.3	3.0	3.0	3.4	2.4	3.1	3.5
						0.9	269.9	24.4		29.6		7.8		88.3		6.2			3.0			3.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	21.5	24.4	24.4	29.8	29.9	7.7	7.7	87.6	86.9	6.2	6.1	6.1	3.5	3.8		5.2	3.9	
						0.1	21.5	24.4		30.0		7.7		86.2		6.1			4.0			2.6		
F1	Misty	Rough	04:22	18.0	S	0.2	141.0	23.6	23.6	34.3	34.3	8.2	8.2	88.6	88.8	6.2	6.2	6.2	1.4	1.4	2.3	5.2	5.0	4.4
						0.2	142.0	23.6		34.4		8.2		89.0		6.2			1.4			4.8		
					M	0.2	139.0	23.6	23.7	34.3	34.3	8.2	8.2	89.9	90.1	6.3	6.3		2.7	2.7		4.4	4.3	
						0.2	144.0	23.7		34.2		8.2		90.3		6.3			2.7			4.2		
					B	0.1	159.0	23.8	23.8	34.2	34.1	8.2	8.2	92.5	92.9	6.4	6.5	6.5	3.1	3.0		3.9	3.9	
						0.1	160.0	23.8		34.1		8.2		93.3		6.5			2.9			3.9		
F2	Misty	Rough	04:52	23.8	S	0.2	135.0	23.6	23.6	34.3	34.3	8.1	8.1	83.6	83.6	5.8	5.8	5.9	1.2	1.2	2.6	3.1	3.1	3.4
						0.2	128.0	23.5		34.3		8.1		83.6		5.8			1.2			3.1		
					M	0.2	118.0	23.5	23.5	34.3	34.3	8.1	8.1	84.2	84.3	5.9	5.9		2.7	2.7		3.2	3.3	
						0.2	111.0	23.5		34.3		8.1		84.3		5.9			2.7			3.4		
					B	0.1	115.0	23.6	23.6	34.2	34.2	8.2	8.2	85.6	85.7	6.0	6.0	6.0	4.0	3.9		3.6	3.7	
						0.1	118.0	23.6		34.2		8.2		85.8		6.0			3.9			3.8		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/16** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Misty	Rough	06:16	17.0	S	0.2	126.0	23.6	23.6	32.6	32.6	8.1	8.1	102.5	102.5	7.2	7.2	7.2	5.4	5.4	6.4	2.0	2.1	2.7
						0.2	122.0	23.6		32.6		8.1		102.5		7.2			5.4			2.2		
					M	0.2	110.0	23.6	23.6	32.6	32.6	8.1	8.1	102.3	102.3	7.2	7.2		6.7	6.7		2.7	2.6	
						0.2	107.0	23.6		32.6		8.1		102.3		7.2			6.7			2.5		
					B	0.2	144.0	23.6	23.6	32.6	32.5	8.1	8.1	102.3	102.3	7.2	7.2	7.2	7.0	7.1		3.2	3.3	
						0.2	147.0	23.6		32.5		8.1		102.3		7.2			7.1			3.4		
F4	Cloudy	Rough	05:23	12.6	S	0.3	97.0	23.9	23.9	34.8	34.8	8.5	8.5	107.2	107.1	7.4	7.4	7.3	1.7	1.7	3.4	5.6	5.7	5.1
						0.4	94.0	23.9		34.8		8.5		106.9		7.4			1.7			5.8		
					M	0.4	77.0	23.8	23.8	34.8	34.8	8.5	8.5	104.3	104.2	7.2	7.2		1.9	2.0		5.4	5.2	
						0.4	80.0	23.8		34.8		8.5		104.0		7.2			2.1			5.0		
					B	0.4	78.0	23.8	23.8	34.9	34.9	8.5	8.5	101.5	101.5	7.0	7.0	7.0	6.4	6.4		4.6	4.4	
						0.3	72.0	23.8		34.9		8.5		101.5		7.0			6.4			4.1		
F5	Cloudy	Moderate	07:05	5.2	S	0.4	213.0	24.2	24.2	33.0	33.0	8.4	8.4	93.5	93.5	6.5	6.5	6.5	12.3	12.6	11.9	11.7	12.1	10.9
						0.3	206.0	24.1		33.0		8.4		93.5		6.5			13.0			12.4		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	188.0	24.0	24.0	33.5	33.4	8.4	8.4	93.8	93.8	6.5	6.5	6.5	11.9	11.2		10.0	9.7	
						0.4	191.0	24.0		33.4		8.4		93.8		6.5			10.4			9.4		
F6	Cloudy	Calm	06:21	14.0	S	0.7	140.0	24.2	24.2	30.6	30.6	7.8	7.8	91.0	91.1	6.4	6.4	6.4	2.8	2.9	5.4	3.8	4.0	4.8
						0.7	140.0	24.2		30.6		7.8		91.2		6.4			2.9			4.1		
					M	1.1	124.6	24.2	24.2	30.8	30.8	7.8	7.8	90.1	90.4	6.3	6.4		3.4	3.2		4.3	4.6	
						0.5	291.9	24.3		30.8		7.8		90.6		6.4			3.0			4.8		
					B	1.2	196.5	24.1	24.1	31.5	31.5	7.8	7.8	87.9	87.3	6.2	6.1	6.1	9.8	10.1		6.0	5.9	
						0.6	73.8	24.1		31.5		7.8		86.7		6.1			10.4			5.7		
IM1	Misty	Rough	04:06	14.0	S	0.1	177.0	23.6	23.6	34.9	34.9	8.3	8.3	102.5	102.5	7.1	7.1	7.1	3.5	3.5	4.4	3.6	3.4	2.8
						0.1	170.0	23.6		34.9		8.3		102.5		7.1			3.4			3.1		
					M	0.1	152.0	23.2	23.2	35.2	35.2	8.3	8.3	102.2	102.2	7.1	7.1		4.6	4.6		2.8	2.7	
						0.1	151.0	23.2		35.2		8.3		102.2		7.1			4.5			2.5		
					B	0.2	145.0	23.0	23.0	35.3	35.4	8.3	8.3	102.0	102.0	7.1	7.1	7.1	5.1	5.1		2.4	2.4	
						0.2	147.0	22.9		35.4		8.3		102.0		7.1			5.1			2.3		
IM2	Misty	Rough	03:47	12.6	S	0.1	171.0	23.7	23.7	34.7	34.7	8.2	8.2	94.5	94.6	6.6	6.6	6.6	7.3	7.3	8.3	3.8	4.0	4.9
						0.2	165.0	23.7		34.8		8.2		94.6		6.6			7.4			4.1		
					M	0.2	176.0	23.7	23.7	34.8	34.8	8.2	8.2	95.7	95.7	6.6	6.6		8.5	8.5		4.9	4.8	
						0.1	169.0	23.7		34.8		8.2		95.7		6.6			8.5			4.6		
					B	0.2	179.0	23.3	23.3	35.1	35.1	8.2	8.2	96.8	96.9	6.8	6.8	6.8	9.1	9.1		5.9	6.1	
						0.2	178.0	23.2		35.1		8.2		97.0		6.8			9.1			6.3		
IM3	Misty	Rough	05:16	14.2	S	0.1	98.0	23.6	23.6	34.3	34.3	8.1	8.1	100.9	101.0	7.1	7.1	7.1	3.3	3.4	4.5	6.1	5.9	5.0
						0.1	104.0	23.6		34.3		8.1		101.0		7.1			3.5			5.7		
					M	0.1	92.0	23.6	23.6	34.3	34.3	8.1	8.1	101.1	101.2	7.1	7.1		4.2	4.3		4.6	4.8	
						0.1	90.0	23.6		34.3		8.1		101.2		7.1			4.3			5.0		
					B	0.1	101.0	23.6	23.6	34.3	34.3	8.1	8.1	101.3	101.4	7.1	7.1	7.1	5.9	5.8		4.5	4.3	
						0.1	100.0	23.6		34.3		8.1		101.4		7.1			5.8			4.1		
IM4	Misty	Rough	05:37	16.0	S	0.2	125.0	23.6	23.6	34.3	34.3	8.2	8.2	83.9	84.0	5.8	5.8	5.9	3.5	3.5	4.3	3.2	3.1	3.8
						0.1	129.0	23.6		34.3		8.2		84.0		5.9			3.5			2.9		
					M	0.2	102.0	23.6	23.6	34.3	34.3	8.2	8.2	84.1	84.2	5.9	5.9		4.2	4.1		3.5	3.8	
						0.2	96.0	23.6		34.3		8.2		84.2		5.9			4.1			4.0		
					B	0.2	109.0	23.6	23.6	34.2	34.2	8.2	8.2	84.3	84.3	5.9	5.9	5.9	5.3	5.2		4.3	4.5	
						0.2	101.0	23.6		34.2		8.2		84.3		5.9			5.2			4.6		
IM5	Misty	Rough	05:56	13.8	S	0.2	132.0	23.6	23.6	34.3	34.3	8.1	8.1	84.1	84.1	5.9	5.9	5.9	4.7	4.7	5.3	3.2	3.1	3.6
						0.1	132.0	23.6		34.3		8.2		84.1		5.9			4.7			2.9		
					M	0.2	118.0	23.6	23.6	34.3	34.2	8.2	8.2	84.2	84.2	5.9	5.9		5.0	5.1		3.4	3.5	
						0.2	124.0	23.6		34.2		8.2		84.2		5.9			5.1			3.6		
					B	0.2	132.0	23.6	23.6	34.2	34.2	8.2	8.2	84.2	84.2	5.9	5.9	5.9	6.3	6.3		4.2	4.4	
						0.2	128.0	23.6		34.2		8.2		84.2		5.9			6.3			4.5		
IM6	Misty	Rough	06:08	16.4	S	0.2	118.0	23.6	23.6	32.7	32.7	8.1	8.1	102.4	102.4	7.2	7.2	7.2	5.3	5.3	6.3	3.6	3.4	4.2
						0.2	117.0	23.5		32.7		8.1		102.4		7.2			5.3			3.2		
					M	0.2	114.0	23.5	23.5	32.7	32.7	8.1	8.1	102.6	102.7	7.2	7.2		6.2	6.2		4.5	4.3	
						0.3	107.0	23.5		32.7		8.1		102.7		7.2			6.1			4.1		
					B	0.2	111.0	23.5	23.6	32.8	32.7	8.1	8.1	102.9	103.0	7.2	7.2	7.2	7.6	7.6		5.0	4.8	
						0.2	108.0	23.6		32.7		8.1		103.0		7.2			7.6			4.5		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/16** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Misty	Rough	06:36	15.2	S	0.2	103.0	23.6	23.6	34.3	34.3	8.1	8.1	83.0	83.1	5.8	5.8	5.8	5.5	5.6	6.6	2.9	2.7	3.7
						0.2	103.0	23.6		34.3		8.1		83.1		5.8			5.6			2.4		
					M	0.2	110.0	23.6	23.6	34.3	34.3	8.1	8.1	83.2	83.3	5.8	5.8		6.2	6.2		3.4	3.6	
						0.3	112.0	23.6		34.3		8.1		83.3		5.8			6.2			3.8		
					B	0.2	95.0	23.6	23.6	34.3	34.3	8.1	8.1	83.3	83.3	5.8	5.8	5.8	8.0	8.0		4.6	4.9	
						0.3	99.0	23.6		34.3		8.1		83.3		5.8			7.9			5.1		
IM8	Misty	Rough	06:44	12.2	S	0.2	111.0	23.6	23.6	34.3	34.3	8.1	8.1	88.1	88.1	6.4	6.4	6.3	3.1	3.1	4.5	3.9	4.2	3.5
						0.2	111.0	23.6		34.3		8.1		88.0		6.4			3.1			4.4		
					M	0.2	107.0	23.6	23.6	34.3	34.3	8.1	8.1	87.6	87.6	6.3	6.3		4.5	4.6		3.0	3.2	
						0.3	107.0	23.6		34.3		8.1		87.5		6.3			4.6			3.4		
					B	0.2	134.0	23.6	23.6	34.3	34.3	8.1	8.1	87.6	87.7	6.3	6.3	6.3	5.7	5.7		2.9	3.1	
						0.2	133.0	23.6		34.3		8.1		87.8		6.4			5.7			3.2		
IM9	Misty	Rough	07:06	15.2	S	0.5	144.0	23.6	23.6	34.3	34.3	8.1	8.1	82.8	82.8	5.8	5.8	5.8	7.7	7.7	8.5	3.4	3.6	3.0
						0.5	150.0	23.6		34.3		8.1		82.8		5.8			7.7			3.8		
					M	0.4	142.0	23.6	23.6	34.3	34.3	8.1	8.1	83.2	83.3	5.8	5.8		8.8	8.9		3.1	3.0	
						0.4	143.0	23.6		34.3		8.1		83.3		5.8			8.9			2.9		
					B	0.5	131.0	23.6	23.6	34.2	34.2	8.1	8.1	83.4	83.4	5.8	5.8	5.8	9.1	9.1		2.2	2.5	
						0.5	132.0	23.6		34.2		8.1		83.4		5.8			9.1			2.7		
IM10	Cloudy	Rough	05:49	10.2	S	0.2	40.0	23.9	23.9	34.7	34.7	8.5	8.5	101.7	101.7	7.0	7.0	6.9	3.5	3.5	10.8	4.6	4.7	5.1
						0.3	36.0	23.9		34.7		8.5		101.7		7.0			3.5			4.8		
					M	0.2	56.0	23.7	23.7	34.7	34.7	8.5	8.5	98.4	98.4	6.8	6.8		9.6	10.0		5.0	5.2	
						0.2	50.0	23.7		34.7		8.5		98.3		6.8			10.4			5.4		
					B	0.2	60.0	23.7	23.7	34.8	34.8	8.5	8.4	98.0	98.0	6.8	6.8	6.8	18.9	18.9		5.5	5.4	
						0.1	53.0	23.7		34.8		8.4		98.0		6.8			18.9			5.3		
IM11A	Cloudy	Moderate	05:58	5.8	S	0.9	149.0	23.9	23.9	34.8	34.8	8.5	8.5	100.8	100.8	7.0	7.0	7.0	16.3	16.3	19.1	24.2	25.5	32.6
						0.9	141.0	23.9		34.8		8.5		100.8		7.0			16.2			26.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.9	160.0	23.9	23.9	34.8	34.8	8.5	8.5	100.5	100.5	7.0	7.0	7.0	22.0	21.9		42.3	39.7	
						0.9	153.0	23.9		34.8		8.5		100.5		7.0			21.8			37.0		
IM12	Cloudy	Moderate	06:04	10.6	S	0.8	156.0	24.4	24.4	32.5	32.5	8.4	8.4	99.2	99.2	6.9	6.9	6.9	2.1	2.2	7.7	5.2	4.0	5.6
						0.8	151.0	24.3		32.6		8.4		99.2		6.9			2.4			2.7		
					M	0.7	167.0	24.0	24.0	34.2	34.2	8.5	8.5	98.9	98.9	6.9	6.9		5.9	6.4		7.3	6.7	
						0.8	167.0	23.9		34.2		8.5		98.9		6.9			7.0			6.1		
					B	0.7	169.0	23.8	23.8	34.7	34.7	8.5	8.5	98.5	98.5	6.8	6.8	6.8	14.6	14.6		3.6	6.1	
						0.7	169.0	23.8		34.7		8.5		98.5		6.8			14.5			8.5		
IM13	Cloudy	Moderate	06:22	18.5	S	0.7	193.0	24.2	24.2	32.3	32.4	8.4	8.4	94.5	94.5	6.6	6.6	6.5	3.3	3.3	14.7	3.7	3.9	4.3
						0.7	194.0	24.1		32.4		8.4		94.4		6.6			3.4			4.1		
					M	0.7	194.0	23.8	23.8	34.0	34.0	8.4	8.4	92.7	92.7	6.4	6.4		16.1	16.5		4.2	4.3	
						0.7	195.0	23.8		34.0		8.4		92.7		6.5			17.0			4.4		
					B	0.7	204.0	23.8	23.8	34.1	34.1	8.4	8.4	92.7	92.8	6.5	6.5	6.5	23.6	24.1		4.8	4.7	
						0.7	198.0	23.8		34.1		8.4		92.8		6.5			24.6			4.6		
IM14	Cloudy	Moderate	06:28	10.5	S	0.7	197.0	24.2	24.2	32.6	32.7	8.4	8.4	95.8	95.7	6.7	6.7	6.6	2.7	2.9	10.5	4.6	9.3	9.0
						0.6	191.0	24.2		32.7		8.4		95.5		6.6			3.0			14.0		
					M	0.6	227.0	24.0	24.0	33.9	33.9	8.4	8.4	93.7	93.8	6.5	6.5		5.7	6.1		6.4	5.7	
						0.6	225.0	24.0		33.9		8.4		93.8		6.5			6.5			4.9		
					B	0.6	201.0	24.0	24.0	34.1	34.1	8.4	8.4	94.2	94.3	6.5	6.5	6.5	22.3	22.5		12.0	12.2	
						0.7	205.0	24.0		34.1		8.4		94.3		6.5			22.8			12.3		
IM15	Cloudy	Calm	05:52	8.0	S	0.7	224.0	23.7	23.7	31.2	31.2	7.8	7.8	93.3	93.4	6.6	6.6	6.6	4.6	4.6	5.3	5.0	4.9	5.9
						0.7	224.0	23.7		31.2		7.8		93.4		6.6			4.6			4.8		
					M	0.2	221.1	23.7	23.7	31.4	31.4	7.8	7.8	92.3	92.3	6.5	6.5		5.3	5.4		5.6	5.8	
						0.3	292.4	23.7		31.4		7.8		92.2		6.5			5.4			6.0		
					B	0.8	168.3	23.7	23.7	31.5	31.5	7.8	7.8	91.8	91.8	6.5	6.5	6.5	6.0	5.9		7.3	7.1	
						0.4	61.9	23.7		31.4		7.8		91.8		6.5			5.7			6.8		
IM16A	Cloudy	Calm	05:25	8.0	S	0.6	142.3	24.1	24.0	29.7	29.7	7.9	7.9	94.7	94.8	6.7	6.7	6.7	4.0	4.1	4.7	2.0	2.3	5.7
						0.6	142.3	24.0		29.7		7.9		94.8		6.7			4.1			2.5		
					M	0.2	2.7	24.1	24.1	29.7	29.7	7.9	7.8	94.3	94.3	6.7	6.7		4.3	4.2		3.3	3.6	
						0.4	324.4	24.1		29.7		7.8		94.2		6.7			4.0			3.8		
					B	0.7	159.7	23.8	23.8	31.1	31.1	7.8	7.8	90.4	90.2	6.4	6.4	6.4	5.8	5.9		11.0	11.4	
						0.6	195.5	23.8		31.1		7.8		90.0		6.4			5.9			11.7		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/16** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	05:05	6.0	S	0.9	318.8	24.1	24.1	29.4	29.4	7.8	7.8	93.2	93.3	6.6	6.6	6.6	3.9	3.9	4.0	4.4	4.2	4.9
						0.9	318.8	24.1		29.4		7.8		93.3		6.6			3.9			4.0		
					M	0.8	140.0	24.1	24.1	29.4	29.4	7.8	7.8	93.2	93.2	6.6	6.6		3.9	3.9		4.7	-	
						0.8	140.0	24.2		29.4		7.8		93.1		6.6			3.9			5.0		
					B	0.5	171.3	24.3	24.3	29.9	29.9	7.8	7.8	90.9	91.0	6.4	6.4	6.4	4.3	4.2		5.6	5.5	
						0.6	271.5	24.3		29.9		7.8		91.0		6.4			4.0			5.4		
IM18	Cloudy	Calm	04:54	18.0	S	0.4	211.1	24.1	24.1	29.5	29.5	7.8	7.8	93.2	93.4	6.6	6.6	6.3	3.7	3.7	4.3	3.7	3.9	4.9
						0.4	211.1	24.1		29.4		7.8		93.6		6.7			3.6			4.0		
					M	0.8	124.9	24.1	24.1	31.3	31.3	7.8	7.8	86.2	86.1	6.1	6.0		3.8	3.7		4.4	4.7	
						0.8	124.9	24.1		31.3		7.8		85.9		6.0			3.6			4.9		
					B	0.4	130.8	24.1	24.1	31.6	31.6	7.8	7.8	82.8	82.7	5.8	5.8	5.8	5.4	5.4		6.2	6.1	
						0.4	88.1	24.1		31.6		7.8		82.6		5.8			5.4			5.9		
IM19	Cloudy	Calm	04:40	18.0	S	0.1	205.5	24.2	24.2	29.9	29.9	7.8	7.8	91.9	92.1	6.5	6.5	6.4	3.2	3.3	3.7	3.5	3.7	4.7
						0.1	205.5	24.2		29.9		7.8		92.3		6.5			3.3			3.8		
					M	0.3	90.9	24.3	24.3	30.7	30.6	7.8	7.8	88.1	88.3	6.2	6.2		3.3	3.3		4.0	4.1	
						0.3	90.9	24.3		30.5		7.8		88.5		6.2			3.2			4.2		
					B	0.8	131.0	24.2	24.2	31.5	31.5	7.8	7.8	85.0	85.0	6.0	5.9	5.9	4.9	4.7		6.2	6.4	
						0.6	194.4	24.2		31.5		7.8		84.9		5.9			4.5			6.6		
IM20A	Cloudy	Calm	04:07	7.0	S	0.9	256.7	24.4	24.4	29.3	29.3	7.7	7.7	86.9	86.9	6.2	6.2	6.1	2.8	2.7	3.0	2.1	2.2	2.8
						1.0	245.8	24.4		29.3		7.7		86.9		6.2			2.6			2.3		
					M	1.9	53.3	24.4	24.5	29.7	30.0	7.8	7.7	87.1	86.8	6.1	6.1		2.9	2.9		2.9	2.7	
						1.9	53.3	24.5		30.2		7.7		86.5		6.1			2.8			2.5		
					B	0.3	101.9	24.7	24.7	30.6	30.6	7.7	7.7	89.6	88.9	6.3	6.2	6.2	3.5	3.5		3.7	3.6	
						0.5	249.2	24.7		30.5		7.7		88.1		6.2			3.4			3.4		
IM21A	Cloudy	Calm	04:16	7.0	S	0.6	336.8	24.4	24.4	29.4	29.4	7.8	7.7	84.9	85.0	6.0	6.0	6.0	4.2	4.3	4.2	5.6	5.4	4.6
						0.6	336.8	24.4		29.4		7.7		85.0		6.0			4.3			5.2		
					M	0.4	143.7	24.8	24.8	30.6	30.6	7.8	7.8	86.6	86.4	6.0	6.0		4.2	4.3		4.5	4.7	
						0.4	143.7	24.8		30.6		7.8		86.2		6.0			4.3			4.9		
					B	0.4	184.8	24.7	24.8	30.7	30.7	7.7	7.7	88.1	88.0	6.1	6.1	6.1	4.2	4.2		3.5	3.7	
						0.2	119.3	24.8		30.7		7.7		87.9		6.1			4.1			3.9		
IM22A	Cloudy	Calm	04:24	5.0	S	0.1	339.9	24.9	24.9	30.7	30.7	7.8	7.8	89.8	89.9	6.3	6.3	6.3	3.8	3.7	3.7	4.7	4.6	4.2
						0.1	339.9	24.9		30.7		7.8		89.9		6.3			3.5			4.4		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.6	345.0	24.9	24.9	30.6	30.6	7.7	7.7	90.2	90.1	6.3	6.3	6.3	3.8	3.7		4.0	3.9	
						0.6	345.0	24.9		30.7		7.7		89.9		6.3			3.6			3.7		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/18** **Tide: Flood 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
E1	Misty	Rough	17:47	12.4	S	0.1	351.0	23.8	23.8	34.4	34.4	8.2	8.2	94.4	94.5	6.5	6.5	6.6	4.0	4.0	5.2	2.9	2.8	3.8
						0.1	351.0	23.8		34.5		8.2		94.5		6.6			4.0			2.7		
					M	0.1	346.0	23.7	23.7	34.6	34.6	8.2	8.2	95.4	95.7	6.6	6.7		5.1	5.1		3.8	4.0	
						0.1	350.0	23.6		34.6		8.2		96.0		6.7			5.2			4.1		
					B	0.1	358.0	23.5	23.5	34.8	34.8	8.2	8.2	97.2	97.2	6.8	6.8	6.8	6.4	6.4		4.4	4.5	
						0.2	1.0	23.4		34.8		8.2		97.2		6.8			6.5			4.6		
E2	Fine	Moderate	15:48	9.0	S	0.2	252.0	25.4	25.4	35.1	35.0	8.8	8.8	182.8	182.2	12.3	12.3	11.0	0.6	0.7	2.4	3.8	3.9	4.6
						0.2	248.0	25.4		35.0		8.8		181.5		12.2			0.7			4.0		
					M	0.1	248.0	24.3	24.3	35.1	35.1	8.6	8.6	142.1	142.0	9.7	9.7		1.9	2.0		4.5	4.4	
						0.1	243.0	24.3		35.1		8.6		141.8		9.7			2.0			4.2		
					B	0.1	259.0	24.4	24.4	35.1	35.1	8.6	8.6	136.5	137.2	9.3	9.4	9.4	4.6	4.6		5.9	5.7	
						0.2	252.0	24.4		35.1		8.6		137.8		9.4			4.6			5.4		
E3	Fine	Moderate	15:02	15.4	S	0.4	316.0	24.2	24.2	34.7	34.8	8.6	8.6	125.7	125.6	8.6	8.6	8.3	2.2	2.3	5.2	4.1	4.3	5.1
						0.4	314.0	24.2		34.8		8.6		125.5		8.6			2.4			4.4		
					M	0.4	324.0	24.0	24.0	34.9	34.9	8.6	8.6	115.0	115.0	7.9	7.9		3.9	3.9		5.1	5.0	
						0.4	331.0	24.0		34.9		8.6		114.9		7.9			4.0			4.8		
					B	0.4	313.0	24.0	24.0	34.9	34.9	8.5	8.5	115.3	115.6	8.0	8.0	8.0	9.0	9.5		5.8	6.0	
						0.4	319.0	24.0		34.9		8.5		115.8		8.0			9.9			6.2		
E4	Fine	Moderate	14:09	10.2	S	0.2	24.0	24.1	24.1	33.3	33.3	8.5	8.5	98.6	98.6	6.8	6.8	6.8	1.5	1.6	9.6	2.8	2.9	3.8
						0.2	24.0	24.1		33.3		8.5		98.6		6.8			1.6			3.0		
					M	0.3	21.0	23.9	23.9	33.8	33.8	8.4	8.4	96.5	96.6	6.7	6.7		12.8	13.1		3.8	3.7	
						0.3	23.0	23.9		33.8		8.4		96.6		6.7			13.4			3.6		
					B	0.2	5.0	23.8	23.9	34.0	34.0	8.4	8.4	97.7	97.9	6.8	6.8	6.8	14.4	14.2		4.6	4.8	
						0.2	5.0	23.9		34.0		8.4		98.0		6.8			14.0			5.0		
E5	Cloudy	Calm	14:01	6.0	S	0.7	348.0	24.8	24.8	29.2	29.2	7.8	7.8	99.3	99.4	7.0	7.0	6.9	3.3	3.4	4.1	3.2	3.5	5.0
						0.7	348.0	24.8		29.2		7.8		99.4		7.0			3.4			3.7		
					M	1.6	2.4	24.7	24.7	29.6	29.6	7.8	7.8	97.7	97.6	6.9	6.9		3.7	3.8		5.1	5.3	
						1.6	2.4	24.7		29.6		7.8		97.5		6.9			3.8			5.5		
					B	0.5	9.3	24.5	24.5	30.1	30.1	7.7	7.7	96.6	96.3	6.8	6.8	6.8	5.0	5.1		6.0	6.2	
						0.5	9.3	24.5		30.1		7.7		96.0		6.7			5.1			6.4		
E6	Cloudy	Calm	15:05	6.0	S	0.1	276.3	25.4	25.4	25.9	25.9	7.9	7.9	104.0	103.9	7.4	7.4	6.9	3.7	3.5	6.2	3.3	3.6	7.4
						0.1	276.3	25.4		26.0		7.9		103.8		7.4			3.3			3.8		
					M	0.5	324.6	24.7	24.6	28.8	28.8	7.8	7.8	90.8	90.4	6.4	6.4		7.3	7.7		7.0	7.2	
						0.5	324.6	24.6		28.8		7.8		90.0		6.4			8.1			7.4		
					B	0.2	340.9	24.7	24.8	28.3	28.4	7.8	7.8	89.7	92.6	6.4	6.5	6.5	8.4	7.5		11.6	11.5	
						0.2	340.9	24.9		28.4		7.8		95.5		6.7			6.5			11.3		
E7A	Cloudy	Calm	15:27	5.0	S	1.3	359.9	25.3	25.3	26.2	26.2	7.9	7.9	105.4	106.0	7.5	7.5	7.5	4.0	3.9	4.7	3.9	4.1	7.3
						1.3	359.9	25.3		26.2		7.9		106.5		7.5			3.7			4.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.6	325.3	24.8	24.7	28.6	28.5	7.8	7.8	94.5	93.3	6.7	6.6	6.6	5.8	5.6		10.8	10.5	
						0.9	41.0	24.7		28.5		7.8		92.0		6.5			5.3			10.1		
F1	Misty	Rough	16:57	18.0	S	0.1	294.0	24.1	24.1	34.6	34.6	8.2	8.2	106.9	106.9	7.4	7.4	7.4	1.2	1.2	2.4	3.3	3.5	4.0
						0.1	287.0	24.0		34.6		8.2		106.8		7.4			1.3			3.6		
					M	0.1	314.0	24.0	24.0	34.7	34.7	8.3	8.3	106.4	106.3	7.3	7.3		2.3	2.3		4.0	3.8	
						0.1	316.0	24.0		34.7		8.3		106.1		7.3			2.3			3.6		
					B	0.2	284.0	24.0	24.0	34.7	34.7	8.3	8.3	104.4	104.1	7.2	7.2	7.2	3.5	3.5		4.4	4.7	
						0.2	290.0	24.0		34.7		8.3		103.7		7.2			3.5			4.9		
F2	Misty	Rough	16:31	22.8	S	0.1	288.0	24.2	24.2	34.7	34.7	8.3	8.3	118.2	118.5	8.1	8.2	8.0	2.0	2.0	2.1	3.3	3.4	3.8
						0.1	280.0	24.2		34.7		8.3		118.7		8.2			2.0			3.5		
					M	0.1	316.0	24.1	24.1	34.7	34.7	8.3	8.3	113.3	112.9	7.8	7.8		2.0	2.0		3.7	3.9	
						0.1	322.0	24.1		34.7		8.3		112.5		7.8			2.1			4.0		
					B	0.1	303.0	24.1	24.1	34.7	34.6	8.3	8.3	110.0	109.8	7.6	7.6	7.6	2.2	2.3		4.0	4.2	
						0.1	306.0	24.1		34.4		8.3		109.5		7.6			2.4			4.4		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/18** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	DA*
F3	Misty	Rough	14:45	15.2	S	0.2	281.0	24.0	24.0	34.9	34.9	8.4	8.4	129.2	128.4	8.9	8.9	8.4	2.4	2.4	2.9	2.9	3.0	2.7
						0.2	276.0	23.9		34.9		8.4		127.5		8.8			2.5			3.1		
					M	0.2	288.0	23.8	23.8	34.9	34.9	8.4	8.4	116.1	115.8	8.0	8.0		2.7	2.6		2.8	2.7	
						0.3	286.0	23.8		34.9		8.4		115.5		8.0			2.6			2.6		
					B	0.2	300.0	23.8	23.8	34.9	34.9	8.4	8.4	113.8	113.5	7.9	7.8	7.8	3.8	3.8		2.6	2.5	
						0.2	306.0	23.8		34.9		8.4		113.1		7.8			3.7			2.3		
F4	Fine	Moderate	15:24	12.6	S	0.3	273.0	24.9	24.8	34.9	34.9	8.7	8.7	151.9	151.5	10.3	10.3	9.5	2.9	3.4	9.2	3.8	3.6	4.2
						0.3	275.0	24.7		34.9		8.7		151.1		10.3			3.8			3.4		
					M	0.3	273.0	24.0	24.0	35.0	35.0	8.6	8.6	128.5	126.4	8.9	8.7		11.5	11.3		4.5	4.4	
						0.3	268.0	24.0		35.0		8.6		124.3		8.6			11.0			4.2		
					B	0.3	262.0	24.0	24.0	34.9	34.9	8.6	8.6	125.4	125.6	8.6	8.7	8.7	13.2	13.1		4.5	4.7	
						0.3	255.0	24.0		34.9		8.6		125.8		8.7			12.9			4.8		
F5	Fine	Moderate	13:50	5.7	S	0.1	40.0	24.0	24.0	33.3	33.3	8.4	8.4	96.7	96.6	6.7	6.7	6.7	3.7	4.2	5.8	2.7	2.9	3.5
						0.1	38.0	24.0		33.4		8.4		96.4		6.7			4.7			3.1		
					M	-	-	-	-		-	-	-	-	-	-	-		-	-		-	-	
						-	-	-				-		-		-			-			-		
					B	0.1	2.0	24.0	24.0	33.6	33.6	8.4	8.4	96.0	96.1	6.7	6.7	6.7	6.2	7.3		4.0	4.1	
						0.1	357.0	24.0		33.7		8.4		96.1		6.7			8.4			4.2		
F6	Cloudy	Calm	16:52	14.0	S	0.8	330.8	24.9	24.9	29.7	29.7	7.9	7.9	100.0	100.5	7.0	7.0	6.7	2.3	2.3	4.0	3.0	3.3	5.7
						0.8	330.8	24.9		29.7		7.9		100.9		7.1			2.3			3.5		
					M	0.6	316.4	24.5	24.5	30.7	30.6	7.8	7.8	90.4	90.8	6.3	6.4		4.3	4.0		5.9	6.1	
						0.2	270.5	24.5		30.6		7.8		91.1		6.4			3.6			6.2		
					B	0.3	352.6	24.3	24.3	31.3	31.2	7.8	7.8	86.4	86.8	6.1	6.1	6.1	5.8	5.7		8.0	7.8	
						1.1	326.7	24.4		31.1		7.8		87.1		6.1			5.6			7.6		
IM1	Misty	Rough	17:11	11.4	S	0.1	11.0	23.9	23.9	34.7	34.7	8.3	8.3	106.1	106.2	7.3	7.3	7.3	4.6	4.6	5.9	4.0	4.6	5.0
						0.1	4.0	23.9		34.7		8.3		106.2		7.3			4.6			5.1		
					M	0.1	6.0	23.8	23.8	34.8	34.8	8.3	8.3	105.7	105.6	7.3	7.3		6.1	6.1		6.3	5.7	
						0.1	5.0	23.8		34.8		8.3		105.4		7.3			6.1			5.0		
					B	0.1	26.0	23.7	23.8	34.8	34.8	8.3	8.3	103.6	103.4	7.2	7.2	7.2	7.0	7.0		5.5	4.7	
						0.1	23.0	23.8		34.8		8.3		103.2		7.1			7.1			3.8		
IM2	Misty	Rough	17:28	10.4	S	0.3	7.0	24.0	24.0	34.6	34.6	8.2	8.2	104.4	104.6	7.2	7.2	7.3	5.5	5.5	6.2	3.9	4.1	3.4
						0.3	6.0	24.0		34.6		8.2		104.7		7.2			5.6			4.2		
					M	0.2	9.0	23.9	23.9	34.7	34.7	8.2	8.2	105.7	105.6	7.3	7.3		6.1	6.1		3.8	3.8	
						0.2	5.0	23.8		34.7		8.2		105.4		7.3			6.1			3.7		
					B	0.2	23.0	23.6	23.6	34.9	34.9	8.2	8.2	101.0	100.9	7.0	7.0	7.0	7.0	7.0		2.3	2.5	
						0.2	21.0	23.6		35.0		8.2		100.8		7.0			7.0			2.6		
IM3	Misty	Rough	16:10	16.2	S	0.2	262.0	23.9	23.9	34.8	34.8	8.4	8.4	120.6	120.0	8.3	8.3	8.0	1.8	1.8	2.0	4.0	3.8	4.5
						0.2	266.0	23.9		34.8		8.4		119.4		8.3			1.8			3.5		
					M	0.1	280.0	23.8	23.8	34.8	34.8	8.4	8.4	112.7	112.5	7.8	7.8		1.9	1.9		4.3	4.5	
						0.2	272.0	23.8		34.8		8.4		112.2		7.8			1.8			4.6		
					B	0.1	258.0	23.8	23.8	34.8	34.8	8.4	8.4	111.1	110.8	7.7	7.7	7.7	2.3	2.3		5.4	5.3	
						0.1	257.0	23.8		34.8		8.4		110.4		7.6			2.3			5.1		
IM4	Misty	Rough	15:49	15.6	S	0.2	283.0	23.9	23.9	34.8	34.8	8.4	8.4	125.0	123.9	8.6	8.6	8.2	1.9	1.9	2.1	2.5	2.7	3.6
						0.3	284.0	23.9		34.8		8.4		122.7		8.5			1.9			2.9		
					M	0.2	302.0	23.8	23.8	34.8	34.8	8.3	8.3	114.2	114.1	7.9	7.9		2.1	2.0		3.3	3.5	
						0.3	298.0	23.7		34.8		8.3		114.0		7.9			2.0			3.7		
					B	0.2	267.0	23.7	23.7	34.8	34.8	8.4	8.4	113.3	113.1	7.9	7.8	7.8	2.2	2.2		4.3	4.6	
						0.2	265.0	23.7		34.8		8.4		112.9		7.8			2.3			4.8		
IM5	Misty	Rough	15:32	14.6	S	0.2	293.0	23.9	23.9	34.8	34.8	8.4	8.4	123.5	123.1	8.5	8.5	8.3	1.7	1.7	2.5	2.3	2.4	2.8
						0.1	291.0	23.8		34.8		8.4		122.6		8.5			1.7			2.5		
					M	0.2	282.0	23.8	23.8	34.8	34.8	8.4	8.4	118.9	116.5	8.2	8.1		2.0	2.0		2.5	2.7	
						0.2	286.0	23.7		34.8		8.4		114.0		7.9			2.1			2.9		
					B	0.2	283.0	23.7	23.8	34.8	34.7	8.4	8.4	111.2	110.0	7.7	7.6	7.6	3.9	3.9		3.3	3.3	
						0.2	282.0	23.8		34.7		8.4		108.8		7.5			3.9			3.3		
IM6	Misty	Rough	15:03	14.8	S	0.2	290.0	23.8	23.8	34.9	34.9	8.4	8.4	127.7	127.1	8.8	8.8	8.3	1.0	1.0	1.7	3.2	3.5	4.2
						0.2	286.0	23.8		34.9		8.4		126.5		8.8			1.1			3.7		
					M	0.2	306.0	23.7	23.7	34.9	34.9	8.4	8.4	113.9	113.8	7.9	7.9		1.7	1.7		3.8	3.9	
						0.2	304.0	23.7		34.9		8.4		113.6		7.9			1.6			4.0		
					B	0.2	276.0	23.5	23.5	35.0	35.0	8.4	8.4	112.9	112.9	7.9	7.8	7.8	2.5	2.5		5.5	5.2	
						0.2	283.0	23.5		35.1		8.4		112.8		7.8			2.6			4.9		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/18** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Misty	Rough	14:17	12.2	S	0.2	283.0	23.3	23.3	34.8	34.8	8.4	8.4	119.1	117.9	8.3	8.2	8.0	1.9	1.9	2.4	4.2	4.2	4.1
						0.2	275.0	23.3		34.8		8.4		116.7		8.2			1.9			4.1		
					M	0.2	267.0	23.2	23.2	34.8	34.8	8.4	8.4	111.4	111.4	7.8	7.8		2.3	2.3		4.1	4.0	
						0.1	270.0	23.2		34.8		8.4		111.3		7.8			2.4			3.9		
					B	0.2	266.0	23.1	23.1	34.9	34.9	8.4	8.4	111.1	111.1	7.8	7.8	7.8	2.8	2.9		3.9	4.0	
						0.2	266.0	23.1		34.9		8.4		111.0		7.8			2.9			4.1		
IM8	Misty	Rough	14:25	14.0	S	0.2	285.0	23.5	23.5	35.0	35.0	8.4	8.4	118.1	116.8	8.2	8.1	7.9	5.4	5.5	6.3	3.0	3.1	3.4
						0.3	283.0	23.4		35.0		8.4		115.5		8.1			5.5			3.1		
					M	0.2	274.0	23.2	23.2	35.0	35.0	8.4	8.4	109.8	109.7	7.7	7.7		6.1	6.1		3.3	3.3	
						0.2	270.0	23.2		35.0		8.4		109.5		7.7			6.2			3.3		
					B	0.2	301.0	23.1	23.1	35.1	35.1	8.4	8.4	108.6	108.3	7.6	7.6	7.6	7.4	7.4		3.9	3.8	
						0.2	302.0	23.0		35.0		8.4		108.0		7.6			7.5			3.6		
IM9	Misty	Rough	13:59	14.6	S	0.3	292.0	23.1	23.1	34.7	34.7	8.4	8.4	108.7	108.6	7.6	7.6	7.6	1.4	1.4	2.3	2.7	2.6	3.0
						0.2	298.0	23.1		34.7		8.4		108.4		7.6			1.3			2.5		
					M	0.3	298.0	23.1	23.1	34.7	34.7	8.4	8.4	107.6	107.5	7.6	7.5		2.2	2.2		2.7	2.8	
						0.2	292.0	23.1		34.7		8.4		107.4		7.5			2.2			2.8		
					B	0.2	312.0	23.1	23.1	34.7	34.7	8.4	8.4	106.6	106.4	7.5	7.5	7.5	3.4	3.4		4.0	3.8	
						0.2	311.0	23.1		34.7		8.4		106.2		7.5			3.5			3.5		
IM10	Fine	Moderate	14:52	10.4	S	0.3	242.0	24.1	24.2	33.3	34.0	8.5	8.5	125.2	125.2	8.6	8.6	8.4	3.2	3.2	5.1	6.8	6.6	7.3
						0.3	234.0	24.2		34.8		8.6		125.2		8.6			3.2			6.4		
					M	0.3	253.0	24.1	24.1	34.9	34.9	8.6	8.6	118.8	118.8	8.2	8.2		3.7	3.9		7.2	7.3	
						0.3	248.0	24.1		34.9		8.6		118.8		8.2			4.0			7.4		
					B	0.3	252.0	24.1	24.1	34.9	34.9	8.6	8.6	120.6	120.8	8.3	8.3	8.3	7.6	8.3		8.1	8.0	
						0.3	250.0	24.1		34.9		8.6		121.0		8.3			9.1			7.8		
IM11A	Fine	Moderate	14:44	4.5	S	0.6	318.0	24.3	24.3	32.9	33.0	8.5	8.5	109.1	109.3	7.6	7.6	7.6	6.5	6.4	5.7	10.8	10.6	11.0
						0.6	322.0	24.3		33.2		8.5		109.4		7.6			6.3			10.4		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.6	337.0	24.1	24.1	34.7	34.7	8.5	8.5	119.6	119.8	8.2	8.2	8.2	5.2	5.1		11.2	11.5	
						0.6	332.0	24.1		34.7		8.5		119.9		8.3			5.0			11.7		
IM12	Fine	Moderate	14:39	14.7	S	0.5	346.0	24.2	24.2	32.6	32.7	8.5	8.5	103.3	103.3	7.2	7.2	7.2	1.2	1.5	4.9	3.5	3.4	4.1
						0.5	344.0	24.2		32.7		8.5		103.2		7.2			1.7			3.2		
					M	0.5	342.0	23.9	23.9	34.0	34.0	8.5	8.5	103.5	103.7	7.2	7.2		5.6	5.7		4.5	4.4	
						0.5	336.0	23.9		34.1		8.5		103.8		7.2			5.7			4.3		
					B	0.5	318.0	24.0	24.0	34.3	34.3	8.5	8.5	105.0	105.2	7.3	7.3	7.3	7.5	7.7		4.4	4.5	
						0.5	311.0	24.0		34.3		8.5		105.3		7.3			7.8			4.6		
IM13	Fine	Moderate	14:23	19.4	S	0.3	24.0	24.0	24.0	32.8	32.8	8.4	8.4	100.4	100.4	7.0	7.0	6.9	1.1	1.2	5.7	4.3	4.2	3.8
						0.3	22.0	24.0		32.8		8.4		100.4		7.0			1.2			4.0		
					M	0.3	12.0	23.8	23.8	33.4	33.5	8.4	8.4	98.0	98.0	6.8	6.8		4.1	4.6		4.1	4.0	
						0.3	14.0	23.8		33.6		8.4		98.0		6.8			5.0			3.8		
					B	0.3	28.0	23.9	23.9	34.1	34.1	8.4	8.4	100.3	100.5	7.0	7.0	7.0	11.1	11.4		3.4	3.3	
						0.3	29.0	23.9		34.1		8.4		100.7		7.0			11.6			3.1		
IM14	Fine	Moderate	14:16	10.5	S	0.3	31.0	24.2	24.2	33.4	33.4	8.4	8.4	99.5	99.4	6.9	6.9	6.9	2.6	2.8	7.1	4.9	4.7	5.4
						0.2	31.0	24.1		33.4		8.4		99.3		6.9			2.9			4.5		
					M	0.2	30.0	23.9	23.9	33.9	33.9	8.4	8.4	98.8	99.0	6.9	6.9		6.5	6.9		5.4	5.3	
						0.3	23.0	23.9		33.9		8.4		99.1		6.9			7.3			5.2		
					B	0.2	51.0	23.9	23.9	34.0	34.0	8.4	8.4	100.4	100.6	7.0	7.0	7.0	11.2	11.7		6.5	6.3	
						0.3	45.0	23.9		33.9		8.4		100.7		7.0			12.2			6.1		
IM15	Cloudy	Calm	13:50	7.0	S	0.5	328.7	24.9	24.9	29.1	29.1	7.8	7.8	97.6	97.7	6.9	6.9	6.8	4.6	4.6	5.0	5.4	5.5	6.6
						0.5	328.7	24.9		29.1		7.8		97.8		6.9			4.6			5.6		
					M	0.6	15.9	24.8	24.8	29.2	29.2	7.7	7.7	97.0	96.9	6.8	6.8		4.9	4.7		6.4	6.7	
						0.5	308.7	24.8		29.2		7.7		96.7		6.8			4.5			6.9		
					B	0.6	325.7	24.7	24.7	29.4	29.4	7.7	7.7	95.1	95.2	6.7	6.7	6.7	5.6	5.6		7.7	7.5	
						0.5	287.6	24.7		29.4		7.7		95.3		6.7			5.6			7.3		
IM16A	Cloudy	Calm	14:14	7.0	S	0.4	255.9	25.2	25.2	28.0	28.0	7.8	7.8	100.5	100.7	7.1	7.1	6.9	2.7	2.7	3.8	3.6	3.4	4.1
						0.4	255.9	25.2		28.0		7.9		100.9		7.1			2.7			3.1		
					M	0.2	205.5	24.7	24.8	29.1	29.0	7.8	7.8	95.3	95.4	6.7	6.7		4.1	4.2		3.9	4.1	
						0.2	205.5	24.8		29.0		7.8		95.5		6.7			4.2			4.3		
					B	0.4	212.5	24.6	24.6	29.5	29.6	7.8	7.8	92.9	92.5	6.5	6.5	6.5	4.6	4.6		5.0	4.8	
						1.0	283.5	24.5		29.7		7.8		92.1		6.5			4.5			4.6		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/18** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	DA*
IM17	Cloudy	Calm	14:33	5.0	S	0.8	236.9	25.4	25.4	26.4	26.4	7.9	7.9	106.2	106.4	7.5	7.5	7.5	3.0	2.9	3.4	2.8	2.5	3.5
						0.8	236.9	25.4		26.5		7.9		106.5		7.5			2.7			2.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.0	274.7	24.9	24.9	27.8	27.8	7.8	7.8	99.4	99.5	7.0	7.0	7.0	3.8	3.9		4.3	4.5	
						1.0	274.7	24.9		27.8		7.8		99.5		7.0			4.0			4.7		
IM18	Cloudy	Calm	14:43	17.0	S	0.8	160.2	25.3	25.4	26.3	26.1	7.9	7.9	101.0	104.2	7.2	7.4	6.6	3.2	3.0	8.7	4.4	4.7	9.9
						0.8	160.2	25.6		25.8		7.9		107.4		7.6			2.8			5.0		
					M	1.1	317.0	24.3	24.3	30.7	30.7	7.8	7.8	84.2	84.3	5.9	5.9		6.8	6.3		8.8	8.6	
						0.3	216.0	24.3		30.7		7.8		84.4		5.9			5.7			8.3		
					B	0.6	326.7	24.3	24.3	31.1	31.1	7.8	7.8	84.0	84.0	5.9	5.9	5.9	15.7	16.8		16.0	16.4	
						0.6	258.7	24.3		31.1		7.8		84.0		5.9			17.8			16.8		
IM19	Cloudy	Calm	16:20	18.0	S	0.3	313.1	25.3	25.3	26.8	27.1	7.9	7.9	104.0	105.3	7.3	7.4	6.8	2.9	2.8	5.3	2.8	2.9	7.9
						0.3	313.1	25.2		27.5		7.9		106.5		7.5			2.6			3.0		
					M	1.5	348.0	24.6	24.6	30.6	30.6	7.8	7.8	88.3	88.5	6.2	6.2		2.9	2.7		5.5	5.2	
						1.5	348.0	24.6		30.6		7.8		88.6		6.2			2.5			4.9		
					B	0.8	345.0	24.5	24.5	31.3	31.3	7.8	7.8	86.0	85.9	6.0	6.0	6.0	10.0	10.5		15.1	15.5	
						0.9	15.6	24.5		31.3		7.8		85.7		6.0			11.0			15.8		
IM20A	Cloudy	Calm	15:44	6.0	S	0.9	133.1	25.6	25.6	25.9	25.9	7.9	7.9	107.3	107.6	7.6	7.6	7.4	2.9	2.8	3.2	3.3	3.2	4.4
						0.9	133.1	25.6		25.9		7.9		107.9		7.6			2.7			3.1		
					M	0.7	312.3	25.1	25.1	27.1	27.1	7.9	7.9	101.5	101.3	7.2	7.2		3.6	3.6		4.3	4.2	
						0.3	99.8	25.0		27.2		7.9		101.0		7.2			3.5			4.1		
					B	0.3	259.9	25.0	25.0	27.9	28.0	7.8	7.8	96.0	96.1	6.8	6.8	6.8	3.4	3.3		6.0	5.8	
						0.3	259.9	25.0		28.1		7.8		96.1		6.8			3.1			5.6		
IM21A	Cloudy	Calm	15:54	6.0	S	0.6	118.8	26.1	26.1	27.6	27.6	7.9	7.9	102.5	102.7	7.1	7.1	7.1	5.7	5.7	5.7	7.0	6.8	7.4
						0.4	328.8	26.1		27.6		7.9		102.9		7.1			5.7			6.5		
					M	0.3	107.3	25.9	25.9	27.8	27.7	7.9	7.9	100.6	101.2	7.0	7.0		5.8	5.7		7.7	7.7	
						0.3	107.3	26.0		27.7		7.9		101.7		7.1			5.5			7.6		
					B	0.9	323.0	25.9	25.9	27.8	27.8	7.9	7.9	101.3	100.4	7.0	7.0	7.0	5.7	5.8		7.8	7.9	
						0.1	323.0	25.8		27.9		7.9		99.5		6.9			5.8			7.9		
IM22A	Cloudy	Calm	16:02	5.0	S	0.3	48.7	25.2	25.2	26.7	26.7	7.9	7.9	105.0	105.3	7.4	7.4	7.4	3.6	3.6	3.8	3.2	3.5	4.1
						0.3	48.7	25.2		26.8		7.9		105.5		7.5			3.6			3.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	72.2	25.2	25.2	27.9	28.0	7.8	7.8	97.1	97.6	6.8	6.9	6.9	3.9	3.9		4.5	4.8	
						0.3	72.2	25.2		28.0		7.8		98.0		6.9			3.9			5.0		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/18** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Misty	Rough	05:51	10.8	S	0.1	168.0	23.6	23.7	34.5	34.5	7.9	7.9	87.6	87.7	6.1	6.1	6.1	4.0	4.0	5.1	4.2	4.1	3.5
						0.1	169.0	23.7		34.5		7.9		87.7		6.1			4.1			4.0		
					M	0.1	153.0	23.7	23.7	34.6	34.6	7.8	7.8	88.7	88.8	6.2	6.2		5.2	5.2		3.3	3.5	
						0.1	148.0	23.7		34.6		7.8		88.9		6.2			5.2			3.6		
					B	0.1	169.0	23.7	23.7	34.6	34.6	7.8	7.8	89.8	90.1	6.2	6.3	6.3	6.1	6.1		3.0	3.0	
						0.1	168.0	23.7		34.6		7.8		90.3		6.3			6.1			2.9		
E2	Cloudy	Moderate	06:38	9.4	S	0.1	73.0	24.3	24.3	35.0	35.0	8.5	8.5	128.9	128.6	8.8	8.8	8.7	1.6	1.6	4.6	4.7	4.6	5.0
						0.1	79.0	24.3		35.0		8.5		128.3		8.8			1.6			4.4		
					M	0.1	91.0	24.2	24.2	35.0	35.0	8.4	8.4	124.3	124.0	8.5	8.5		4.1	4.4		5.2	5.0	
						0.2	91.0	24.2		35.0		8.4		123.7		8.5			4.7			4.8		
					B	0.1	63.0	24.2	24.2	35.0	35.0	8.4	8.4	122.1	122.1	8.4	8.4	8.4	8.0	8.0		5.6	5.4	
						0.1	64.0	24.2		35.0		8.4		122.1		8.4			8.0			5.2		
E3	Cloudy	Moderate	07:43	16.3	S	0.5	120.0	24.1	24.1	34.4	34.4	8.5	8.5	110.9	111.0	7.7	7.7	7.6	1.7	1.7	4.7	2.6	2.7	3.0
						0.5	113.0	24.1		34.4		8.5		111.0		7.7			1.7			2.7		
					M	0.5	105.0	23.8	23.8	34.8	34.8	8.5	8.5	108.6	108.6	7.5	7.5		3.7	4.3		3.1	3.0	
						0.6	100.0	23.7		34.8		8.5		108.5		7.5			4.9			2.8		
					B	0.5	135.0	23.7	23.7	34.8	34.8	8.6	8.6	109.0	109.2	7.6	7.6	7.6	7.6	8.0		3.4	3.4	
						0.5	141.0	23.7		34.8		8.6		109.3		7.6			8.4			3.4		
E4	Cloudy	Moderate	08:53	11.1	S	0.6	205.0	24.1	24.1	33.3	33.3	8.4	8.4	98.4	98.4	6.8	6.8	6.8	2.1	2.2	7.8	5.2	5.4	4.4
						0.6	207.0	24.1		33.4		8.4		98.3		6.8			2.4			5.5		
					M	0.6	199.0	23.9	23.9	33.7	33.8	8.4	8.4	98.0	98.1	6.8	6.8		7.0	7.7		4.7	4.9	
						0.5	194.0	23.9		33.8		8.4		98.2		6.8			8.3			5.1		
					B	0.6	211.0	23.9	23.9	34.0	34.0	8.4	8.4	99.0	99.1	6.9	6.9	6.9	13.3	13.6		2.7	3.0	
						0.6	205.0	23.9		34.0		8.4		99.2		6.9			13.8			3.2		
E5	Cloudy	Calm	07:37	7.0	S	0.8	159.4	24.1	24.1	29.8	29.8	7.9	7.9	96.0	96.0	6.8	6.8	6.7	2.1	2.1	3.0	2.4	2.7	4.2
						0.8	159.4	24.1		29.8		7.9		96.0		6.8			2.1			3.0		
					M	0.1	14.6	24.0	24.0	30.9	30.9	7.9	7.9	94.7	94.8	6.7	6.7		2.8	2.9		4.1	4.0	
						0.1	14.6	24.0		30.9		7.9		94.8		6.7			2.9			3.8		
					B	0.8	99.9	24.0	24.0	31.3	31.3	7.9	7.9	92.6	93.0	6.5	6.5	6.5	4.2	4.0		6.0	5.8	
						0.8	99.9	24.0		31.2		7.9		93.3		6.6			3.7			5.6		
E6	Cloudy	Calm	05:39	7.0	S	0.3	295.5	24.3	24.3	28.0	28.0	7.8	7.8	93.4	93.5	6.7	6.7	6.6	1.9	1.8	2.9	3.1	3.0	3.5
						0.3	295.5	24.3		28.0		7.8		93.5		6.7			1.6			2.8		
					M	1.2	50.6	24.6	24.6	29.0	28.9	7.8	7.8	92.4	92.5	6.5	6.5		3.6	3.6		3.6	3.7	
						0.3	180.2	24.6		28.9		7.8		92.6		6.5			3.5			3.8		
					B	0.2	164.8	24.4	24.5	30.1	29.9	7.7	7.7	85.6	86.8	6.0	6.1	6.1	3.7	3.5		3.8	3.9	
						0.4	70.7	24.5		29.7		7.7		87.9		6.2			3.2			4.0		
E7A	Cloudy	Calm	05:56	5.0	S	0.8	304.2	24.6	24.6	28.7	28.7	7.8	7.8	87.4	87.5	6.2	6.2	6.2	2.5	2.5	4.0	3.3	3.3	3.5
						0.8	304.2	24.6		28.7		7.8		87.5		6.2			2.4			3.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	156.6	24.6	24.6	29.5	29.5	7.7	7.7	86.8	86.8	6.1	6.1	6.1	5.8	5.5		3.6	3.7	
						0.4	156.6	24.6		29.5		7.7		86.8		6.1			5.1			3.8		
F1	Misty	Rough	06:47	18.2	S	0.2	129.0	23.0	23.0	34.9	35.0	8.3	8.3	109.6	109.4	7.7	7.7	7.7	1.5	1.5	1.7	5.0	4.9	4.4
						0.1	131.0	22.9		35.0		8.3		109.2		7.7			1.4			4.7		
					M	0.1	133.0	22.7	22.7	35.1	35.1	8.3	8.3	108.3	108.1	7.6	7.6		1.6	1.7		4.6	4.4	
						0.1	132.0	22.6		35.1		8.3		107.9		7.6			1.7			4.2		
					B	0.1	119.0	22.5	22.5	35.2	35.2	8.3	8.3	107.3	107.1	7.6	7.6	7.6	2.1	2.1		3.8	3.9	
						0.1	115.0	22.4		35.3		8.3		106.9		7.6			2.1			4.0		
F2	Misty	Rough	07:17	23.8	S	0.1	125.0	23.4	23.4	34.8	34.8	8.3	8.3	113.9	113.7	7.9	7.9	7.7	4.1	4.1	5.1	2.9	2.7	2.9
						0.1	119.0	23.4		34.8		8.3		113.5		7.9			4.2			2.5		
					M	0.1	129.0	23.2	23.2	34.8	34.8	8.3	8.3	108.1	108.0	7.6	7.6		5.0	5.0		2.9	3.0	
						0.1	123.0	23.2		34.8		8.3		107.9		7.6			5.1			3.0		
					B	0.1	132.0	23.0	23.0	34.9	34.9	8.3	8.3	106.8	106.8	7.5	7.5	7.5	6.1	6.1		3.1	3.1	
						0.2	133.0	23.0		34.9		8.3		106.8		7.5			6.1			3.0		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/18** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Misty	Rough	08:41	17.0	S	0.2	135.0	23.5	23.5	34.9	34.9	8.3	8.3	117.7	117.3	8.2	8.2	7.9	1.1	1.1	2.3	3.9	4.1	3.7
						0.2	138.0	23.5		34.9		8.3		116.8		8.1			1.2			4.2		
					M	0.2	126.0	23.2	23.2	35.0	35.0	8.3	8.3	110.1	110.0	7.7	7.7		2.7	2.6		3.5	3.7	
						0.2	125.0	23.2		35.0		8.3		109.9		7.7			2.6			3.8		
					B	0.2	136.0	22.9	22.9	35.2	35.2	8.3	8.3	109.3	109.3	7.7	7.7	7.7	3.2	3.3		3.3	3.4	
						0.2	140.0	22.9		35.3		8.3		109.2		7.7			3.3			3.5		
F4	Cloudy	Moderate	07:11	14.2	S	0.2	98.0	24.4	24.4	35.0	35.0	8.6	8.6	134.3	134.0	9.2	9.2	8.8	1.1	1.2	5.5	3.5	3.7	4.4
						0.2	97.0	24.4		35.0		8.6		133.7		9.2			1.3			3.9		
					M	0.2	76.0	24.3	24.3	35.0	35.0	8.6	8.6	123.0	123.0	8.4	8.4		5.5	5.5		4.4	4.3	
						0.2	74.0	24.3		35.0		8.6		123.0		8.4			5.5			4.2		
					B	0.2	98.0	24.3	24.3	35.0	35.0	8.6	8.6	121.9	121.9	8.4	8.4	8.4	9.2	9.8		5.4	5.2	
						0.3	94.0	24.3		35.0		8.6		121.9		8.4			10.4			4.9		
F5	Cloudy	Moderate	09:17	5.7	S	0.4	216.0	24.1	24.1	32.8	32.8	8.4	8.4	100.7	100.7	7.0	7.0	7.0	1.8	2.4	4.6	2.2	2.5	3.1
						0.4	216.0	24.1		32.8		8.4		100.6		7.0			2.9			2.7		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	208.0	24.0	24.0	33.7	33.7	8.4	8.4	99.6	99.7	6.9	6.9	6.9	6.5	6.9		4.1	3.8	
						0.4	200.0	24.0		33.7		8.4		99.8		6.9			7.3			3.5		
F6	Cloudy	Calm	08:17	14.0	S	0.2	250.9	24.8	24.7	29.5	29.2	7.9	7.9	90.9	91.8	6.4	6.5	6.4	2.3	2.1	3.1	2.5	2.7	3.7
						0.2	250.9	24.6		29.0		7.9		92.6		6.5			1.9			2.8		
					M	0.8	179.7	24.4	24.4	30.5	30.5	7.9	7.9	90.7	90.7	6.4	6.4		2.8	2.8		3.1	3.3	
						0.5	173.7	24.4		30.6		7.9		90.6		6.4			2.7			3.5		
					B	0.2	337.4	24.2	24.2	31.3	31.3	7.9	7.9	89.3	89.3	6.3	6.3	6.3	4.2	4.4		5.0	5.2	
						1.4	113.3	24.2		31.3		7.9		89.3		6.3			4.5			5.4		
IM1	Misty	Rough	06:31	14.0	S	0.1	156.0	23.4	23.4	34.8	34.8	8.3	8.3	112.3	112.4	7.8	7.8	7.7	1.1	1.1	1.7	5.8	5.6	4.8
						0.1	162.0	23.4		34.8		8.3		112.4		7.8			1.1			5.3		
					M	0.1	140.0	23.3	23.3	34.8	34.8	8.3	8.3	107.8	107.7	7.5	7.5		1.5	1.5		4.6	4.7	
						0.1	146.0	23.3		34.8		8.3		107.6		7.5			1.6			4.8		
					B	0.1	128.0	23.3	23.4	34.8	34.8	8.3	8.3	107.2	107.1	7.5	7.5	7.5	2.5	2.4		4.3	4.2	
						0.1	131.0	23.4		34.8		8.3		107.0		7.5			2.4			4.0		
IM2	Misty	Rough	06:12	12.8	S	0.1	186.0	23.8	23.8	34.8	34.8	8.2	8.2	107.8	107.7	7.5	7.5	7.4	2.6	2.7	3.8	5.2	5.1	4.7
						0.1	192.0	23.7		34.8		8.2		107.5		7.5			2.7			5.0		
					M	0.2	165.0	23.7	23.7	34.8	34.8	8.2	8.2	106.1	106.1	7.4	7.4		3.9	3.8		4.7	4.6	
						0.1	165.0	23.6		34.8		8.2		106.0		7.4			3.8			4.5		
					B	0.2	177.0	23.6	23.7	34.8	34.8	8.2	8.2	106.0	106.0	7.4	7.4	7.4	5.0	5.0		4.4	4.3	
						0.2	171.0	23.7		34.8		8.2		106.0		7.4			5.0			4.1		
IM3	Misty	Rough	07:41	14.4	S	0.1	94.0	23.3	23.3	34.8	34.8	8.4	8.4	114.6	114.5	8.0	8.0	8.0	1.1	1.1	1.7	3.6	3.7	4.3
						0.1	98.0	23.3		34.8		8.4		114.4		8.0			1.1			3.8		
					M	0.1	113.0	23.1	23.1	35.0	35.0	8.4	8.4	113.2	113.0	7.9	7.9		1.9	2.0		4.0	4.2	
						0.1	109.0	23.0		35.1		8.4		112.8		7.9			2.0			4.3		
					B	0.1	104.0	22.7	22.7	35.3	35.3	8.4	8.4	111.1	110.9	7.8	7.8	7.8	2.1	2.1		4.8	5.0	
						0.1	109.0	22.6		35.4		8.4		110.7		7.8			2.0			5.2		
IM4	Misty	Rough	08:02	16.2	S	0.1	131.0	23.4	23.4	34.8	34.8	8.3	8.3	117.3	117.0	8.2	8.2	8.0	1.0	1.0	1.6	3.3	3.6	4.2
						0.1	133.0	23.4		34.8		8.3		116.7		8.1			1.1			3.9		
					M	0.1	131.0	23.3	23.3	34.8	34.9	8.3	8.3	111.9	111.8	7.8	7.8		1.2	1.2		4.4	4.3	
						0.1	126.0	23.2		34.9		8.3		111.7		7.8			1.2			4.2		
					B	0.1	146.0	23.0	23.0	35.1	35.1	8.3	8.3	110.6	110.4	7.8	7.8	7.8	2.5	2.5		4.9	4.8	
						0.1	150.0	22.9		35.1		8.4		110.2		7.7			2.5			4.7		
IM5	Misty	Rough	08:21	13.8	S	0.2	111.0	23.4	23.4	34.9	34.9	8.4	8.4	114.0	113.9	7.9	7.9	7.9	6.2	6.2	7.1	3.8	3.9	4.7
						0.2	112.0	23.4		35.0		8.4		113.7		7.9			6.2			3.9		
					M	0.2	131.0	23.1	23.1	35.2	35.2	8.4	8.4	112.7	112.5	7.9	7.9		7.2	7.1		4.6	4.4	
						0.1	125.0	23.0		35.3		8.4		112.3		7.9			7.1			4.1		
					B	0.1	133.0	22.7	22.7	35.5	35.5	8.4	8.4	110.0	110.0	7.7	7.7	7.7	8.0	8.0		6.2	6.0	
						0.2	139.0	22.7		35.5		8.4		110.0		7.7			8.1			5.8		
IM6	Misty	Rough	08:33	16.6	S	0.2	117.0	23.3	23.3	34.8	34.8	8.3	8.3	108.9	108.8	7.6	7.6	7.6	3.9	3.8	4.1	4.7	4.6	4.4
						0.1	117.0	23.3		34.8		8.3		108.7		7.6			3.8			4.5		
					M	0.2	138.0	23.2	23.2	34.8	34.8	8.3	8.3	108.3	108.3	7.6	7.6		4.2	4.1		4.0	4.2	
						0.2	138.0	23.2		34.8		8.3		108.3		7.6			4.1			4.4		
					B	0.2	108.0	23.2	23.2	34.8	34.8	8.3	8.3	108.2	108.2	7.6	7.6	7.6	4.5	4.5		4.1	4.3	
						0.3	106.0	23.2		34.8		8.3		108.2		7.6			4.5			4.4		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/18** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Misty	Rough	09:01	15.2	S	0.2	97.0	23.2	23.2	35.0	35.1	8.4	8.4	113.9	113.8	8.0	8.0	7.9	1.0	1.0	1.6	3.1	3.3	4.3
						0.2	93.0	23.1		35.1		8.4		113.6		8.0			1.1			3.5		
					M	0.2	120.0	23.0	23.0	35.2	35.2	8.4	8.4	112.7	112.4	7.9	7.9		1.6	1.6		4.3	4.5	
						0.2	114.0	22.9		35.2		8.4		112.1		7.9			1.6			4.7		
					B	0.1	100.0	22.7	22.7	35.3	35.2	8.4	8.4	110.0	109.2	7.7	7.7	7.7	2.1	2.1		5.0	5.2	
						0.1	100.0	22.7		35.2		8.4		108.3		7.6			2.2			5.4		
IM8	Misty	Rough	09:09	12.4	S	0.1	120.0	23.1	23.1	34.8	34.8	8.4	8.4	113.3	113.3	7.9	7.9	7.9	1.0	1.0	1.8	4.7	4.9	4.4
						0.1	124.0	23.1		34.8		8.4		113.2		7.9			1.1			5.0		
					M	0.1	116.0	23.1	23.1	34.7	34.7	8.4	8.4	113.1	113.1	7.9	7.9		1.7	1.7		4.2	4.4	
						0.1	112.0	23.1		34.7		8.4		113.1		7.9			1.7			4.5		
					B	0.2	145.0	23.1	23.1	34.7	34.7	8.4	8.4	113.2	113.2	7.9	7.9	7.9	2.8	2.7		4.2	4.1	
						0.1	146.0	23.1		34.7		8.4		113.2		7.9			2.7			4.0		
IM9	Misty	Rough	09:31	15.4	S	0.3	135.0	23.0	23.0	34.7	34.8	8.3	8.3	109.1	108.8	7.7	7.6	7.6	1.2	1.2	2.3	3.4	3.6	4.2
						0.3	135.0	22.9		34.8		8.3		108.5		7.6			1.3			3.8		
					M	0.2	125.0	22.9	22.9	34.8	34.8	8.3	8.3	108.3	108.0	7.6	7.6		2.4	2.5		4.2	4.4	
						0.2	124.0	22.8		34.9		8.4		107.6		7.6			2.5			4.6		
					B	0.3	150.0	22.8	23.0	34.9	34.8	8.4	8.4	107.2	111.1	7.6	7.8	7.8	3.2	3.2		4.3	4.5	
						0.3	145.0	23.1		34.7		8.4		115.0		8.1			3.1			4.6		
IM10	Cloudy	Moderate	07:54	11.3	S	0.1	51.0	24.1	24.1	34.6	34.6	8.5	8.5	113.8	113.9	7.9	7.9	7.9	4.5	4.5	12.1	6.6	6.8	8.8
						0.1	51.0	24.1		34.6		8.5		114.0		7.9			4.5			7.0		
					M	0.1	44.0	24.1	24.1	34.9	34.9	8.5	8.5	116.5	116.5	8.0	8.0		5.7	5.7		9.6	9.4	
						0.1	37.0	24.1		34.9		8.5		116.4		8.0			5.8			9.2		
					B	0.1	45.0	24.1	24.1	34.8	34.8	8.6	8.6	115.9	116.0	8.0	8.0	8.0	27.2	26.0		10.1	10.3	
						0.1	41.0	24.1		34.8		8.6		116.0		8.0			24.9			10.4		
IM11A	Cloudy	Moderate	08:04	5.1	S	0.7	143.0	24.0	24.0	33.5	33.5	8.5	8.5	99.0	99.0	6.9	6.9	6.9	12.7	12.8	13.6	17.8	19.9	25.1
						0.6	138.0	24.0		33.5		8.5		99.0		6.9			13.0			22.0		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.6	138.0	24.0	24.0	33.7	33.7	8.5	8.5	99.5	99.6	6.9	6.9	6.9	13.6	14.3		29.8	30.2	
						0.6	144.0	24.0		33.7		8.5		99.7		6.9			15.1			30.6		
IM12	Cloudy	Moderate	08:13	13.9	S	0.7	162.0	24.5	24.5	31.1	31.0	8.4	8.4	102.6	102.7	7.2	7.2	7.2	1.6	1.6	6.5	14.2	9.4	7.2
						0.8	168.0	24.5		31.0		8.4		102.8		7.2			1.6			4.5		
					M	0.7	173.0	23.9	23.9	34.2	34.2	8.5	8.5	103.6	103.8	7.2	7.2		7.7	7.7		7.8	8.6	
						0.7	175.0	23.9		34.2		8.5		103.9		7.2			7.8			9.3		
					B	0.7	163.0	24.0	24.0	34.6	34.6	8.5	8.5	107.5	107.6	7.4	7.4	7.4	10.1	10.1		3.4	3.6	
						0.7	162.0	24.0		34.6		8.5		107.6		7.4			10.1			3.8		
IM13	Cloudy	Moderate	08:37	18.0	S	0.6	193.0	24.1	24.1	32.4	32.4	8.4	8.4	99.5	99.5	6.9	6.9	6.9	1.2	1.2	7.9	6.4	6.2	5.3
						0.6	195.0	24.1		32.4		8.4		99.4		7.0			1.2			6.0		
					M	0.6	205.0	23.8	23.8	33.4	33.5	8.5	8.5	97.9	98.1	6.8	6.8		2.9	3.4		5.3	5.5	
						0.6	210.0	23.8		33.5		8.5		98.2		6.8			3.9			5.6		
					B	0.6	193.0	23.9	23.9	34.2	34.2	8.5	8.5	101.0	101.3	7.0	7.0	7.0	19.5	19.2		4.0	4.2	
						0.6	187.0	23.9		34.2		8.5		101.5		7.0			18.8			4.3		
IM14	Cloudy	Moderate	08:44	10.0	S	0.5	197.0	24.0	24.0	33.1	33.1	8.5	8.5	98.6	98.5	6.9	6.9	6.9	7.3	7.4	7.5	4.5	4.6	4.2
						0.6	189.0	24.0		33.2		8.5		98.4		6.9			7.6			4.7		
					M	0.5	213.0	23.9	23.9	33.7	33.7	8.5	8.5	98.2	98.3	6.8	6.8		7.2	7.6		4.4	4.3	
						0.4	213.0	23.9		33.7		8.5		98.3		6.8			8.1			4.2		
					B	0.5	209.0	23.9	23.9	33.8	33.8	8.5	8.5	99.4	99.6	6.9	6.9	6.9	7.6	7.3		3.9	3.7	
						0.5	214.0	23.9		33.8		8.5		99.7		6.9			7.1			3.5		
IM15	Cloudy	Calm	07:48	8.0	S	0.5	212.1	24.2	24.1	29.7	29.9	7.9	7.9	95.0	95.1	6.7	6.7	6.7	1.8	1.9	2.9	2.8	2.6	3.4
						0.5	212.1	24.0		30.1		7.9		95.1		6.7			1.9			2.3		
					M	0.3	70.4	23.9	23.9	31.0	31.0	7.9	7.9	94.8	94.9	6.7	6.7		2.6	2.7		3.7	3.6	
						0.3	70.4	23.9		31.0		7.9		95.0		6.7			2.7			3.4		
					B	0.6	203.5	23.9	23.9	31.4	31.4	7.9	7.9	93.5	93.4	6.6	6.6	6.6	4.1	4.2		4.0	4.2	
						0.3	46.0	23.9		31.4		7.9		93.2		6.6			4.2			4.4		
IM16A	Cloudy	Calm	07:24	8.0	S	0.6	132.3	24.4	24.4	28.3	28.6	7.9	7.9	97.2	96.8	6.9	6.9	6.7	1.7	1.9	2.9	2.5	2.8	3.5
						0.6	132.3	24.4		28.8		7.9		96.4		6.8			2.0			3.0		
					M	0.5	219.5	24.1	24.1	30.8	30.8	7.9	7.9	93.6	93.7	6.6	6.6		3.1	3.1		3.2	3.5	
						0.5	219.5	24.1		30.8		7.9		93.8		6.6			3.0			3.7		
					B	0.3	264.7	24.1	24.1	31.0	31.0	7.9	7.9	93.4	93.2	6.6	6.6	6.6	3.5	3.9		4.2	4.4	
						0.4	168.6	24.0		31.1		7.9		92.9		6.5			4.2			4.5		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/18** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	07:06	6.0	S	0.8	227.4	24.7	24.7	28.4	28.4	7.9	7.9	95.7	96.0	6.8	6.8	6.6	2.3	2.2	3.4	3.2	3.5	5.2
						0.8	227.4	24.7		28.5		7.9		96.3		6.8			2.0			3.8		
					M	0.2	177.6	24.6	24.6	30.2	30.2	7.9	7.9	90.6	90.7	6.4	6.4		4.0	3.7		5.1	5.3	
						0.2	177.6	24.6		30.2		7.9		90.7		6.4			3.4			5.5		
					B	0.4	128.5	24.6	24.6	30.3	30.4	7.9	7.9	90.2	90.1	6.3	6.3	6.3	4.4	4.5		6.8	6.8	
						0.4	196.6	24.6		30.4		7.9		90.0		6.3			4.5			6.7		
IM18	Cloudy	Calm	06:51	18.0	S	0.8	130.6	24.6	24.6	28.9	28.9	7.9	7.9	91.9	92.0	6.5	6.5	6.4	2.7	2.7	3.9	2.6	2.5	4.0
						0.8	130.6	24.6		28.9		7.9		92.0		6.5			2.6			2.3		
					M	0.4	194.8	24.5	24.5	30.6	30.6	7.9	7.9	89.8	90.0	6.3	6.3		3.6	3.8		3.6	3.9	
						0.4	194.8	24.5		30.6		7.9		90.2		6.3			3.9			4.2		
					B	0.4	60.7	24.3	24.3	31.6	31.6	7.8	7.8	84.0	83.9	5.9	5.9	5.9	5.1	5.2		6.0	5.6	
						0.3	84.0	24.3		31.6		7.8		83.8		5.9			5.3			5.2		
IM19	Cloudy	Calm	06:39	18.0	S	0.5	171.6	25.1	25.1	29.6	29.6	7.9	7.9	91.2	91.2	6.4	6.4	6.2	2.7	2.5	2.6	3.0	3.1	4.2
						0.5	171.6	25.1		29.6		7.9		91.2		6.4			2.3			3.1		
					M	0.3	144.4	24.6	24.6	31.0	31.0	7.8	7.8	87.8	87.9	6.1	6.1		2.2	2.2		3.9	4.2	
						0.3	144.4	24.6		31.0		7.8		87.9		6.1			2.1			4.4		
					B	0.2	201.5	24.3	24.3	31.5	31.5	7.8	7.8	85.6	85.1	6.0	5.9	5.9	3.1	3.3		5.3	5.3	
						0.7	204.3	24.4		31.5		7.8		84.5		5.9			3.4			5.2		
IM20A	Cloudy	Calm	06:11	7.0	S	0.7	205.6	24.9	24.9	28.3	28.3	7.8	7.8	87.6	87.6	6.2	6.2	6.2	2.2	2.2	2.4	3.6	3.5	3.8
						0.2	219.6	24.9		28.4		7.8		87.6		6.2			2.1			3.3		
					M	1.0	177.3	25.2	25.2	29.8	29.8	7.8	7.8	89.2	89.1	6.2	6.2		2.4	2.4		3.8	3.7	
						1.0	177.3	25.2		29.8		7.8		89.0		6.2			2.4			3.6		
					B	0.2	139.7	25.2	25.2	29.8	29.8	7.8	7.8	89.0	89.0	6.2	6.2	6.2	2.6	2.6		4.4	4.3	
						0.2	139.7	25.2		29.8		7.8		89.0		6.2			2.5			4.1		
IM21A	Cloudy	Calm	06:19	7.0	S	0.8	343.3	25.0	25.0	28.3	28.3	7.8	7.8	86.3	86.4	6.1	6.1	6.1	3.0	3.0	2.6	2.9	3.1	3.9
						0.8	343.3	25.0		28.3		7.8		86.5		6.1			2.9			3.3		
					M	1.4	171.3	24.9	24.9	29.5	29.5	7.8	7.8	86.9	86.9	6.1	6.1		2.2	2.3		4.0	3.9	
						0.3	0.4	24.9		29.5		7.8		86.8		6.1			2.4			3.8		
					B	0.5	61.4	24.8	24.8	29.6	29.5	7.8	7.8	85.6	85.8	6.0	6.0	6.0	2.7	2.6		4.8	4.6	
						0.6	248.6	24.9		29.5		7.8		86.0		6.0			2.5			4.4		
IM22A	Cloudy	Calm	06:26	5.0	S	0.2	244.0	25.1	25.1	29.5	29.5	7.8	7.8	89.7	90.0	6.3	6.3	6.3	2.6	2.7	2.8	2.8	3.0	3.1
						0.2	244.0	25.1		29.4		7.8		90.3		6.3			2.7			3.1		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	197.3	25.1	25.1	29.9	30.0	7.8	7.8	89.3	88.9	6.2	6.2	6.2	2.9	3.0		3.2	3.2	
						0.4	197.3	25.1		30.0		7.8		88.4		6.2			3.1			3.2		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/21** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Cloudy	Rough	18:27	12.0	S	0.3	2.0	24.2	24.2	34.5	34.5	8.4	8.4	129.9	129.9	9.0	8.9	8.8	6.1	6.1	6.5	2.8	2.6	2.6
						0.3	4.0	24.2		34.5		8.4		129.8		8.9			6.1			2.3		
					M	0.2	342.0	24.0	24.0	34.7	34.7	8.4	8.4	126.7	126.5	8.8	8.7		6.6	6.7		2.7	2.6	
						0.2	339.0	24.0		34.7		8.4		126.3		8.7			6.9			2.4		
					B	0.2	349.0	24.0	24.0	34.7	34.7	8.4	8.4	124.6	124.3	8.6	8.6	8.6	6.8	6.6		2.6	2.7	
						0.2	344.0	24.0		34.7		8.4		123.9		8.6			6.3			2.8		
E2	Cloudy	Rough	17:59	7.9	S	0.1	252.0	24.6	24.6	35.0	35.0	8.0	8.0	141.3	141.2	9.6	9.6	9.7	1.9	1.9	2.1	4.6	4.9	4.2
						0.1	253.0	24.6		35.0		8.0		141.0		9.6			1.9			5.2		
					M	0.2	246.0	24.6	24.6	35.0	35.0	8.0	8.0	142.7	142.7	9.7	9.7		1.9	1.9		3.9	4.0	
						0.2	241.0	24.6		35.0		8.0		142.7		9.7			1.9			4.0		
					B	0.2	255.0	24.6	24.6	35.0	35.0	8.0	8.0	141.5	141.5	9.7	9.7	9.7	2.5	2.5		3.8	3.9	
						0.2	257.0	24.6		35.0		8.0		141.5		9.7			2.4			3.9		
E3	Cloudy	Rough	17:01	15.3	S	0.6	305.0	24.2	24.2	34.7	34.7	7.9	7.9	132.8	132.8	9.1	9.1	9.1	1.8	1.8	2.3	5.1	5.2	5.0
						0.6	306.0	24.2		34.7		7.9		132.7		9.1			1.8			5.2		
					M	0.6	300.0	24.1	24.1	34.7	34.7	7.9	7.9	132.2	132.3	9.1	9.1		1.9	1.9		4.5	4.5	
						0.6	302.0	24.1		34.7		7.9		132.3		9.1			1.9			4.4		
					B	0.6	315.0	24.1	24.1	34.8	34.8	7.9	7.9	129.5	129.5	8.9	8.9	8.9	3.2	3.2		6.3	5.5	
						0.6	322.0	24.1		34.8		7.9		129.5		8.9			3.2			4.6		
E4	Cloudy	Rough	15:29	10.5	S	0.1	23.0	24.3	24.3	34.3	34.3	7.9	7.9	132.9	132.9	9.2	9.2	9.1	2.5	2.5	3.1	4.8	5.2	5.2
						0.1	17.0	24.3		34.3		7.9		132.8		9.2			2.5			5.5		
					M	0.1	27.0	24.3	24.3	34.3	34.3	7.9	7.9	132.2	132.2	9.1	9.1		2.7	2.7		6.2	5.6	
						0.1	29.0	24.3		34.3		7.9		132.2		9.1			2.7			5.0		
					B	0.1	39.0	24.2	24.2	34.5	34.5	7.9	7.9	127.0	127.0	8.8	8.8	8.8	4.0	4.0		5.1	4.8	
						0.1	37.0	24.2		34.5		7.9		127.0		8.8			4.0			4.4		
E5	Cloudy	Calm	15:09	6.4	S	0.1	353.7	24.7	24.7	30.0	30.0	8.1	8.1	113.4	113.6	8.0	8.0	7.9	5.7	5.7	6.2	9.2	9.7	9.3
						0.1	353.7	24.7		29.9		8.1		113.7		8.0			5.7			10.1		
					M	0.6	336.9	24.6	24.6	30.3	30.3	8.0	8.0	111.4	111.5	7.8	7.8		6.6	6.4		9.0	9.6	
						0.3	309.6	24.6		30.3		8.0		111.6		7.8			6.1			10.2		
					B	1.3	255.2	24.6	24.6	30.3	30.3	8.0	8.0	111.1	111.2	7.8	7.8	7.8	6.8	6.6		8.5	8.6	
						0.4	266.8	24.6		30.3		8.0		111.3		7.8			6.4			8.7		
E6	Cloudy	Calm	16:16	6.1	S	1.1	344.6	24.8	24.8	28.5	28.5	8.0	8.0	103.4	103.5	7.3	7.3	7.3	4.6	4.5	4.8	4.6	4.4	4.4
						1.1	344.6	24.8		28.5		8.0		103.5		7.3			4.4			4.1		
					M	0.6	31.9	24.8	24.8	28.6	28.6	8.0	8.0	103.0	102.9	7.3	7.2		4.6	4.8		4.6	4.7	
						0.6	31.9	24.8		28.6		8.0		102.8		7.2			4.9			4.7		
					B	0.6	347.4	24.8	24.8	28.6	28.6	7.9	7.9	102.2	102.6	7.2	7.2	7.2	5.2	5.1		4.5	4.1	
						1.0	343.2	24.8		28.6		7.9		103.0		7.3			4.9			3.7		
E7A	Cloudy	Calm	16:34	5.1	S	1.1	327.0	25.1	25.0	28.9	28.9	8.0	8.0	105.1	105.3	7.4	7.4	7.4	5.0	4.8	5.8	3.7	4.1	6.1
						1.1	327.0	25.0		28.9		8.0		105.5		7.4			4.5			4.5		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.4	20.9	25.1	25.1	29.0	29.0	8.0	8.0	104.1	104.0	7.3	7.3	7.3	6.6	6.8		8.4	8.1	
						1.5	22.6	25.1		29.0		8.0		103.8		7.3			7.0			7.7		
F1	Cloudy	Rough	17:31	18.2	S	0.3	297.0	24.0	24.0	34.8	34.8	8.5	8.5	139.7	139.5	9.6	9.6	9.5	4.4	4.6	6.6	3.2	2.7	3.9
						0.2	294.0	24.0		34.8		8.5		139.2		9.6			4.7			2.2		
					M	0.3	290.0	23.9	23.9	34.8	34.8	8.5	8.5	136.9	136.8	9.5	9.5		4.6	5.6		2.9	2.8	
						0.3	297.0	23.9		34.8		8.5		136.6		9.4			6.5			2.6		
					B	0.3	324.0	23.9	23.9	34.8	34.8	8.5	8.5	136.2	136.1	9.4	9.4	9.4	9.9	9.6		5.9	6.1	
						0.3	328.0	23.9		34.8		8.5		135.9		9.4			9.3			6.3		
F2	Cloudy	Rough	17:12	22.3	S	0.3	286.0	24.0	24.0	34.8	34.8	8.5	8.5	140.1	140.0	9.7	9.7	9.3	2.2	2.3	7.8	3.4	3.2	3.2
						0.3	284.0	24.0		34.8		8.5		139.9		9.7			2.3			2.9		
					M	0.3	290.0	23.9	23.9	34.8	34.8	8.5	8.5	130.1	129.9	9.0	9.0		8.3	8.5		2.8	2.6	
						0.2	294.0	23.9		34.8		8.5		129.7		9.0			8.8			2.3		
					B	0.2	272.0	23.9	23.9	34.8	34.8	8.5	8.5	126.8	126.4	8.8	8.7	8.7	12.2	12.7		3.9	3.9	
						0.3	266.0	23.9		34.8		8.5		126.0		8.7			13.3			3.8		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/21** **Tide: Flood 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
F3	Cloudy	Rough	15:24	17.8	S	0.2	288.0	23.8	23.8	34.8	34.8	8.5	8.5	138.5	138.5	9.6	9.6	9.5	5.5	5.5	6.4	2.3	2.6	2.7
						0.2	283.0	23.8		34.8		8.5		138.4		9.6			5.5			2.9		
					M	0.2	284.0	23.8	23.8	34.8	34.8	8.5	8.5	136.2	135.2	9.4	9.4		4.2	4.9		3.2	3.1	
						0.2	288.0	23.7		34.8		8.5		134.1		9.3			5.7			3.0		
					B	0.2	290.0	23.7	23.7	34.8	34.8	8.5	8.5	131.1	131.0	9.1	9.1	9.1	8.6	8.7		2.4	2.4	
						0.2	287.0	23.7		34.8		8.5		130.9		9.1			8.9			2.3		
F4	Cloudy	Rough	17:25	13.5	S	0.4	267.0	24.6	24.6	35.0	35.0	8.0	8.0	142.2	142.2	9.7	9.7	9.7	1.9	2.0	2.9	3.8	3.9	4.4
						0.5	267.0	24.6		35.0		8.0		142.2		9.7			2.0			4.0		
					M	0.4	278.0	24.6	24.6	35.0	35.0	8.0	8.0	141.5	141.5	9.7	9.7		2.9	2.9		4.4	4.6	
						0.4	281.0	24.6		35.0		8.0		141.4		9.7			3.0			4.7		
					B	0.4	281.0	24.6	24.6	35.0	35.0	8.0	8.0	140.3	140.3	9.6	9.6	9.6	3.8	3.8		4.6	4.6	
						0.4	278.0	24.5		35.0		8.0		140.2		9.6			3.8			4.6		
F5	Cloudy	Rough	15:01	4.9	S	0.1	225.0	24.5	24.5	33.5	33.5	7.9	7.9	143.1	143.1	9.9	9.9	9.9	2.3	2.3	2.2	5.9	6.3	5.3
						0.1	219.0	24.5		33.5		7.9		143.1		9.9			2.3			6.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	208.0	24.5	24.5	33.5	33.5	7.9	7.9	140.9	140.9	9.7	9.7	9.7	2.2	2.2		3.9	4.3	
						0.1	203.0	24.5		33.5		7.9		140.9		9.7			2.1			4.7		
F6	Cloudy	Calm	17:49	15.0	S	1.6	64.9	24.7	24.7	30.4	30.4	8.0	8.0	105.7	105.8	7.4	7.4	7.3	7.4	7.3	14.1	12.5	13.1	18.6
						1.7	57.0	24.7		30.4		8.0		105.8		7.4			7.2			13.6		
					M	1.1	305.8	24.7	24.7	30.6	30.6	8.0	8.0	103.3	103.2	7.2	7.2		10.7	10.6		12.5	12.6	
						1.7	8.6	24.7		30.6		8.0		103.1		7.2			10.4			12.7		
					B	0.2	275.4	24.6	24.6	31.2	31.2	7.9	7.9	95.6	95.6	6.7	6.7	6.7	24.3	24.6		28.8	30.3	
						0.6	356.6	24.6		31.2		7.9		95.5		6.7			24.8			31.7		
IM1	Cloudy	Rough	17:56	12.2	S	0.1	14.0	24.0	24.0	34.8	34.8	8.5	8.5	140.3	140.3	9.7	9.7	9.4	1.8	1.8	3.6	4.1	4.6	6.0
						0.2	20.0	24.0		34.8		8.5		140.2		9.7			1.8			5.0		
					M	0.1	16.0	24.0	24.0	34.8	34.8	8.5	8.5	132.9	132.7	9.2	9.2		1.8	1.8		8.4	7.9	
						0.1	14.0	24.0		34.8		8.5		132.4		9.1			1.8			7.4		
					B	0.1	355.0	24.0	24.0	34.8	34.8	8.5	8.5	129.5	129.1	8.9	8.9	8.9	7.4	7.3		4.6	5.5	
						0.1	354.0	24.0		34.8		8.5		128.6		8.9			7.2			6.3		
IM2	Cloudy	Rough	18:10	10.9	S	0.3	358.0	24.0	24.0	34.8	34.8	8.5	8.5	142.4	142.3	9.8	9.8	9.7	2.2	2.3	3.4	4.9	5.7	5.4
						0.3	354.0	24.0		34.8		8.5		142.2		9.8			2.3			6.4		
					M	0.3	357.0	24.0	24.0	34.8	34.8	8.5	8.5	140.4	140.4	9.7	9.7		3.0	3.1		4.8	4.6	
						0.2	350.0	24.0		34.8		8.5		140.4		9.7			3.1			4.4		
					B	0.3	5.0	24.0	24.0	34.8	34.8	8.5	8.5	140.9	141.0	9.7	9.7	9.7	5.9	5.0		6.3	5.9	
						0.3	358.0	24.0		34.8		8.5		141.0		9.7			4.1			5.4		
IM3	Cloudy	Rough	17:08	14.6	S	0.2	272.0	23.9	23.9	34.8	34.8	8.5	8.5	138.0	137.9	9.5	9.5	9.4	1.8	1.8	3.7	6.7	6.2	4.7
						0.2	279.0	23.9		34.8		8.5		137.8		9.5			1.8			5.6		
					M	0.2	260.0	23.9	23.9	34.8	34.8	8.5	8.5	133.6	133.3	9.2	9.2		2.3	2.3		4.9	4.2	
						0.3	260.0	23.9		34.8		8.5		133.0		9.2			2.4			3.5		
					B	0.2	286.0	23.8	23.8	34.7	34.7	8.5	8.5	128.6	128.4	8.9	8.9	8.9	6.4	6.9		4.4	3.8	
						0.2	290.0	23.8		34.7		8.5		128.1		8.9			7.4			3.2		
IM4	Cloudy	Rough	16:47	15.5	S	0.4	266.0	23.9	23.9	34.7	34.7	8.5	8.5	137.8	137.8	9.5	9.5	9.4	1.6	1.6	4.3	2.0	2.2	3.0
						0.5	267.0	23.9		34.7		8.5		137.8		9.5			1.6			2.3		
					M	0.4	270.0	23.7	23.7	34.8	34.8	8.5	8.5	133.0	132.7	9.2	9.2		2.0	2.1		2.8	3.4	
						0.4	263.0	23.7		34.8		8.5		132.4		9.2			2.3			4.0		
					B	0.4	277.0	23.7	23.7	34.7	34.7	8.5	8.5	122.4	122.0	8.5	8.5	8.5	9.2	9.2		3.2	3.6	
						0.4	281.0	23.7		34.7		8.5		121.6		8.4			9.2			3.9		
IM5	Cloudy	Rough	16:02	13.6	S	0.3	287.0	23.9	23.9	34.7	34.7	8.5	8.5	140.8	140.8	9.7	9.7	9.5	1.8	1.8	4.5	3.0	3.1	3.4
						0.3	282.0	23.9		34.7		8.5		140.7		9.7			1.8			3.1		
					M	0.2	268.0	23.8	23.8	34.8	34.7	8.5	8.5	137.5	133.7	9.5	9.3		3.5	4.9		4.3	4.2	
						0.3	267.0	23.7		34.7		8.5		129.9		9.0			6.3			4.0		
					B	0.2	263.0	23.7	23.7	34.7	34.7	8.5	8.5	129.7	129.3	9.0	9.0	9.0	6.6	6.9		3.4	3.0	
						0.2	267.0	23.7		34.7		8.5		128.9		9.0			7.2			2.6		
IM6	Cloudy	Rough	15:44	15.4	S	0.3	284.0	23.8	23.8	34.8	34.8	8.5	8.5	139.4	139.3	9.7	9.6	9.5	1.6	1.6	5.4	4.4	3.7	3.8
						0.2	278.0	23.8		34.8		8.5		139.2		9.6			1.6			3.0		
					M	0.2	296.0	23.7	23.7	34.8	34.8	8.5	8.5	136.1	136.0	9.4	9.4		3.2	3.4		3.2	3.7	
						0.2	297.0	23.7		34.8		8.5		135.8		9.4			3.6			4.2		
					B	0.2	281.0	23.6	23.6	34.7	34.7	8.5	8.5	130.2	130.1	9.0	9.0	9.0	11.3	11.4		4.7	4.1	
						0.1	277.0	23.6		34.7		8.5		129.9		9.0			11.4			3.4		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/21** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Cloudy	Rough	14:59	13.3	S	0.1	285.0	23.4	23.4	34.7	34.7	8.5	8.5	131.9	131.8	9.2	9.2	9.1	2.4	2.4	5.8	2.6	2.7	4.3
						0.1	289.0	23.4		34.7		8.5		131.7		9.2			2.4			2.7		
					M	0.1	298.0	23.4	23.4	34.7	34.7	8.5	8.5	129.4	129.3	9.0	9.0		3.7	3.8		5.4	6.2	
						0.2	302.0	23.4		34.7		8.5		129.1		9.0			4.0			6.9		
					B	0.2	308.0	23.4	23.4	34.7	34.7	8.5	8.5	124.7	124.6	8.7	8.7	8.7	11.4	11.3		4.5	4.1	
						0.2	301.0	23.4		34.7		8.5		124.5		8.7			11.2			3.7		
IM8	Cloudy	Rough	15:17	14.6	S	0.2	281.0	23.5	23.5	34.7	34.7	8.5	8.5	135.0	135.0	9.4	9.4	9.2	2.2	2.2	2.5	2.6	3.0	4.0
						0.1	276.0	23.5		34.7		8.5		134.9		9.4			2.2			3.3		
					M	0.2	270.0	23.5	23.5	34.7	34.7	8.5	8.5	131.2	130.6	9.1	9.1		2.5	2.5		4.1	4.4	
						0.2	273.0	23.5		34.7		8.5		130.0		9.1			2.6			4.7		
					B	0.2	294.0	23.5	23.5	34.7	34.7	8.5	8.5	128.0	127.9	8.9	8.9	8.9	2.7	2.7		4.7	4.6	
						0.3	296.0	23.5		34.7		8.5		127.7		8.9			2.7			4.5		
IM9	Cloudy	Rough	14:57	13.8	S	0.2	283.0	23.3	23.3	34.7	34.7	8.5	8.5	127.6	127.6	8.9	8.9	8.9	2.9	3.0	5.7	3.8	3.8	4.7
						0.3	282.0	23.3		34.7		8.5		127.5		8.9			3.1			3.7		
					M	0.1	270.0	23.3	23.3	34.7	34.7	8.5	8.5	125.9	125.8	8.8	8.8		5.6	5.8		4.3	4.6	
						0.1	267.0	23.3		34.7		8.5		125.7		8.8			5.9			4.8		
					B	0.1	284.0	23.3	23.3	34.7	34.7	8.5	8.5	124.5	124.5	8.7	8.7	8.7	8.3	8.3		5.6	5.9	
						0.2	288.0	23.3		34.7		8.5		124.5		8.7			8.3			6.1		
IM10	Cloudy	Rough	16:42	10.4	S	0.4	255.0	24.2	24.2	34.7	34.7	7.9	7.9	129.3	129.3	8.9	8.9	8.9	2.8	2.8	3.7	9.1	8.6	8.8
						0.4	254.0	24.2		34.7		7.9		129.2		8.9			2.8			8.0		
					M	0.4	256.0	24.1	24.1	34.7	34.7	7.9	7.9	128.2	128.2	8.8	8.8		4.1	4.1		9.1	9.2	
						0.4	251.0	24.1		34.7		7.9		128.2		8.8			4.1			9.2		
					B	0.4	247.0	24.2	24.2	34.7	34.7	7.9	7.9	127.6	127.6	8.8	8.8	8.8	4.3	4.3		9.5	8.8	
						0.4	248.0	24.2		34.7		7.9		127.6		8.8			4.3			8.1		
IM11A	Cloudy	Rough	16:29	4.6	S	0.8	317.0	24.2	24.2	34.5	34.5	7.9	7.9	129.7	129.7	8.9	8.9	8.9	6.8	6.8	7.3	11.6	11.3	12.3
						0.8	312.0	24.2		34.5		7.9		129.7		8.9			6.8			10.9		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.8	305.0	24.2	24.2	34.6	34.6	7.9	7.9	127.2	127.2	8.8	8.8	8.8	7.8	7.8		12.5	13.4	
						0.8	309.0	24.2		34.6		7.9		127.2		8.8			7.8			14.2		
IM12	Cloudy	Rough	16:22	14.2	S	0.8	330.0	24.2	24.2	34.5	34.5	7.9	7.9	129.1	129.1	8.9	8.9	8.9	3.0	3.0	4.4	6.1	7.2	7.4
						0.7	327.0	24.2		34.5		7.9		129.1		8.9			3.0			8.3		
					M	0.8	324.0	24.2	24.2	34.5	34.5	7.9	7.9	128.0	128.0	8.8	8.8		3.8	3.8		7.7	7.3	
						0.8	329.0	24.2		34.5		7.9		128.0		8.8			3.9			6.9		
					B	0.8	318.0	24.2	24.2	34.5	34.5	7.9	7.9	126.9	126.9	8.7	8.7	8.7	6.3	6.3		7.4	7.7	
						0.8	313.0	24.2		34.5		7.9		126.8		8.7			6.4			7.9		
IM13	Cloudy	Rough	15:54	16.1	S	0.3	22.0	24.3	24.3	34.1	34.1	7.9	7.9	134.3	134.3	9.3	9.3	9.0	1.6	1.6	3.0	4.6	4.1	5.0
						0.3	24.0	24.3		34.1		7.9		134.2		9.3			1.6			3.5		
					M	0.3	352.0	24.1	24.1	34.4	34.4	7.9	7.9	127.2	127.3	8.8	8.8		3.1	3.1		6.3	6.5	
						0.2	351.0	24.1		34.4		7.9		127.3		8.8			3.1			6.6		
					B	0.2	14.0	24.1	24.1	34.5	34.5	7.9	7.9	122.9	122.9	8.5	8.5	8.5	4.4	4.4		4.1	4.5	
						0.2	8.0	24.1		34.5		7.9		122.9		8.5			4.3			4.9		
IM14	Cloudy	Rough	15:41	10.6	S	0.2	15.0	24.3	24.3	34.5	34.5	7.9	7.9	131.5	131.5	9.1	9.1	8.8	2.7	2.7	3.8	5.9	5.7	5.7
						0.2	9.0	24.3		34.5		7.9		131.5		9.1			2.7			5.5		
					M	0.2	29.0	24.1	24.1	34.6	34.6	7.9	7.9	125.1	125.1	8.6	8.6		3.6	3.5		5.0	5.3	
						0.2	33.0	24.1		34.6		7.9		125.1		8.6			3.5			5.6		
					B	0.2	19.0	24.1	24.1	34.6	34.6	7.9	7.9	123.7	123.7	8.5	8.5	8.5	5.3	5.3		5.5	6.0	
						0.2	23.0	24.1		34.6		7.9		123.6		8.5			5.4			6.4		
IM15	Cloudy	Calm	14:57	8.1	S	0.6	328.4	24.6	24.6	30.3	30.3	8.0	8.0	116.8	116.5	8.2	8.2	8.1	3.8	4.0	4.4	5.7	6.5	6.9
						0.6	328.4	24.6		30.3		8.0		116.2		8.1			4.1			7.3		
					M	0.5	265.6	24.6	24.6	30.4	30.4	8.0	8.0	115.3	115.4	8.1	8.1		4.7	4.5		6.7	6.6	
						0.5	265.6	24.6		30.4		8.0		115.4		8.1			4.2			6.5		
					B	0.2	250.1	24.6	24.6	30.5	30.5	8.1	8.1	114.8	114.8	8.0	8.0	8.0	4.9	4.9		8.2	7.5	
						0.5	227.1	24.6		30.5		8.1		114.8		8.0			4.9			6.8		
IM16A	Cloudy	Calm	15:23	7.8	S	0.5	294.9	24.8	24.8	29.7	29.7	8.0	8.0	106.2	106.1	7.4	7.4	7.4	7.3	7.5	7.8	9.7	10.3	10.7
						0.5	294.9	24.8		29.7		8.0		106.0		7.4			7.6			10.9		
					M	0.4	276.6	24.8	24.8	29.7	29.7	8.0	8.0	105.7	105.9	7.4	7.4		7.7	8.2		10.4	10.8	
						0.7	266.1	24.8		29.7		8.0		106.0		7.4			8.6			11.2		
					B	1.1	318.5	24.8	24.8	29.7	29.7	8.0	8.0	105.7	105.7	7.4	7.4	7.4	7.1	7.8		10.8	11.0	
						1.1	318.5	24.8		29.8		8.0		105.7		7.4			8.4			11.1		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/21** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	15:43	5.1	S	0.3	311.1	24.8	24.8	29.0	29.1	8.0	8.0	109.7	109.1	7.7	7.7	7.7	9.1	9.1	9.3	6.8	7.1	6.9
						0.3	311.1	24.8		29.2		8.0		108.4		7.6			9.1			7.3		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.7	280.6	24.7	24.7	29.8	29.9	8.0	8.0	103.7	101.6	7.3	7.1	7.1	8.6	9.6		6.4	6.8	
						0.7	280.6	24.7		29.9		8.0		99.4		7.0			10.5			7.1		
IM18	Cloudy	Calm	15:53	17.1	S	0.7	21.5	24.9	24.9	28.6	28.5	8.0	8.0	109.6	110.1	7.7	7.8	7.2	3.9	3.6	5.8	5.2	5.5	7.5
						0.1	62.9	24.9		28.5		8.0		110.5		7.8			3.3			5.8		
					M	0.6	322.4	24.7	24.7	30.3	30.3	7.9	8.0	95.3	95.2	6.7	6.7		6.0	6.1		6.8	7.1	
						0.6	322.4	24.7		30.3		8.0		95.0		6.6			6.2			7.4		
					B	0.5	303.2	24.7	24.7	30.5	30.5	8.0	8.0	95.9	95.3	6.7	6.7	6.7	7.6	7.7		9.9	9.8	
						0.4	150.9	24.7		30.5		8.0		94.7		6.6			7.8			9.7		
IM19	Cloudy	Calm	17:16	18.3	S	1.3	325.8	24.9	24.9	29.6	29.6	8.0	8.0	99.9	100.0	7.0	7.0	6.8	2.8	2.8	9.8	3.1	3.0	11.6
						1.3	325.8	24.9		29.6		8.0		100.1		7.0			2.7			2.9		
					M	1.1	346.5	24.7	24.7	31.0	31.0	8.0	8.0	94.3	93.9	6.6	6.5		7.3	8.1		10.8	10.4	
						1.0	313.1	24.7		31.1		8.0		93.5		6.5			8.8			9.9		
					B	0.2	173.5	24.7	24.7	31.1	31.1	7.9	7.9	92.0	92.0	6.4	6.4	6.4	18.3	18.5		21.5	21.5	
						0.5	12.0	24.7		31.1		7.9		92.0		6.4			18.7			21.5		
IM20A	Cloudy	Calm	16:49	6.8	S	0.8	84.2	25.0	25.0	29.3	29.3	7.9	7.9	101.8	102.3	7.1	7.2	6.9	5.7	5.5	11.9	5.5	6.3	14.7
						0.8	84.2	25.0		29.2		7.9		102.7		7.2			5.2			7.0		
					M	0.8	25.1	25.1	25.1	29.8	29.8	7.9	7.9	95.8	95.9	6.7	6.7		14.2	14.0		17.0	17.5	
						0.9	39.8	25.1		29.8		7.9		96.0		6.7			13.7			17.9		
					B	1.1	67.9	25.1	25.1	29.9	29.8	7.9	7.9	95.5	95.5	6.7	6.7	6.7	16.6	16.4		19.9	20.5	
						0.5	354.8	25.1		29.8		7.9		95.4		6.7			16.2			21.0		
IM21A	Cloudy	Calm	16:56	6.9	S	0.5	31.3	25.1	25.1	29.7	29.7	8.0	8.0	97.3	97.3	6.8	6.8	6.8	5.7	5.2	7.6	8.0	8.5	10.0
						0.5	31.3	25.1		29.7		8.0		97.3		6.8			4.7			8.9		
					M	0.9	64.8	25.1	25.1	29.7	29.7	8.0	8.0	96.9	96.8	6.8	6.7		8.1	8.0		8.9	8.9	
						0.5	109.7	25.1		29.8		8.0		96.7		6.7			7.8			8.9		
					B	0.5	67.4	25.1	25.1	29.6	29.6	8.0	8.0	96.9	96.8	6.8	6.7	6.7	9.5	9.6		13.1	12.6	
						0.6	353.3	25.1		29.6		8.0		96.7		6.7			9.7			12.1		
IM22A	Cloudy	Calm	17:03	5.0	S	1.0	13.3	25.1	25.1	29.7	29.7	7.9	7.9	97.4	97.4	6.8	6.8	6.8	6.1	6.0	7.8	6.2	6.2	12.3
						1.0	13.3	25.1		29.7		7.9		97.3		6.8			5.8			6.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.4	66.8	25.1	25.1	29.8	29.8	7.9	7.9	97.1	97.0	6.8	6.8	6.8	10.5	9.7		19.2	18.3	
						1.4	66.8	25.1		29.8		7.9		96.9		6.8			8.9			17.4		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/21** **Tide: Ebb 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
E1	Cloudy	Moderate	09:01	10.6	S	0.1	144.0	23.7	23.7	34.6	34.6	8.3	8.3	118.6	118.6	8.2	8.2	8.2	2.2	2.2	5.0	8.5	8.3	6.4
						0.1	146.0	23.7		34.6		8.3		118.6		8.2			2.2			8.1		
					M	0.1	150.0	23.7	23.7	34.7	34.7	8.3	8.3	118.8	118.8	8.2	8.2		3.9	4.8		4.8	4.7	
						0.1	151.0	23.7		34.7		8.3		118.8		8.3			5.7			4.5		
					B	0.1	167.0	23.7	23.7	34.8	34.7	8.3	8.3	118.2	118.1	8.2	8.2	8.2	8.1	8.1		7.1	6.2	
						0.1	167.0	23.7		34.7		8.3		118.0		8.2			8.1			5.2		
E2	Fine	Rough	09:07	8.8	S	0.1	83.0	24.4	24.4	34.9	34.9	7.9	7.9	142.8	142.8	9.8	9.8	9.8	1.0	1.0	1.5	10.0	10.8	7.5
						0.1	88.0	24.4		34.9		7.9		142.8		9.8			1.1			11.5		
					M	0.1	64.0	24.4	24.4	34.9	34.9	7.9	7.9	142.3	142.3	9.7	9.7		1.1	1.1		6.5	7.3	
						0.1	58.0	24.4		34.9		7.9		142.2		9.7			1.1			8.1		
					B	0.1	53.0	24.4	24.4	34.9	34.9	7.9	7.9	140.0	140.0	9.6	9.6	9.6	2.4	2.4		3.5	4.4	
						0.1	53.0	24.4		34.9		7.9		139.9		9.6			2.4			5.3		
E3	Fine	Rough	09:59	16.6	S	0.3	120.0	24.1	24.1	34.8	34.8	8.0	8.0	131.0	131.0	9.0	9.0	9.0	1.7	1.6	2.5	3.6	3.9	5.9
						0.3	118.0	24.1		34.8		8.0		131.0		9.0			1.6			4.2		
					M	0.4	123.0	24.1	24.1	34.8	34.8	8.1	8.1	131.4	131.4	9.1	9.1		2.0	2.0		7.2	6.6	
						0.3	119.0	24.1		34.8		8.1		131.4		9.1			2.0			6.0		
					B	0.3	100.0	24.1	24.1	34.8	34.8	8.1	8.1	131.2	131.2	9.0	9.0	9.0	3.8	3.7		7.1	7.3	
						0.3	106.0	24.1		34.8		8.1		131.1		9.0			3.7			7.4		
E4	Fine	Moderate	11:11	11.9	S	0.6	207.0	24.2	24.2	34.4	34.4	7.9	7.9	129.4	129.4	8.9	8.9	8.8	1.8	1.8	3.3	4.6	4.2	4.4
						0.6	214.0	24.2		34.4		7.9		129.4		8.9			1.8			3.7		
					M	0.6	208.0	24.2	24.2	34.5	34.5	7.9	7.9	126.6	126.6	8.7	8.7		2.3	2.3		5.5	4.9	
						0.6	212.0	24.2		34.5		7.9		126.6		8.7			2.3			4.3		
					B	0.6	221.0	24.1	24.1	34.6	34.6	7.9	7.9	123.6	123.6	8.5	8.5	8.5	5.8	5.8		4.1	4.2	
						0.7	217.0	24.1		34.6		7.9		123.6		8.5			5.8			4.3		
E5	Cloudy	Calm	11:09	7.0	S	0.8	145.7	24.4	24.4	31.0	31.0	8.1	8.1	120.3	120.3	8.4	8.4	8.1	5.3	5.3	6.9	10.0	10.0	10.5
						0.8	164.6	24.4		31.0		8.1		120.2		8.4			5.3			9.9		
					M	0.9	180.0	24.3	24.3	31.2	31.2	8.1	8.1	112.0	112.1	7.9	7.9		7.4	7.3		9.3	10.1	
						0.9	180.0	24.3		31.2		8.1		112.1		7.9			7.1			10.9		
					B	0.3	147.9	24.3	24.3	31.2	31.2	8.0	8.0	111.6	111.6	7.8	7.8	7.8	7.9	8.2		10.9	11.6	
						0.7	104.0	24.3		31.2		8.1		111.6		7.8			8.5			12.2		
E6	Cloudy	Calm	08:51	7.0	S	0.3	296.6	24.7	24.7	29.9	29.9	7.9	7.9	96.0	96.3	6.7	6.8	6.7	3.5	3.5	4.3	6.8	6.6	6.4
						0.6	225.0	24.7		29.9		7.9		96.6		6.8			3.4			6.3		
					M	0.4	171.2	24.7	24.7	30.3	30.3	7.9	7.9	94.3	94.2	6.6	6.6		3.9	3.9		5.4	5.8	
						0.4	171.2	24.7		30.3		7.9		94.1		6.6			3.8			6.2		
					B	0.2	299.0	24.7	24.7	30.6	30.7	8.1	8.0	92.2	92.1	6.4	6.4	6.4	5.4	5.5		6.2	6.9	
						0.7	341.8	24.7		30.7		8.0		92.0		6.4			5.5			7.6		
E7A	Cloudy	Calm	09:10	5.3	S	0.4	56.5	24.7	24.7	29.2	29.2	7.9	7.9	94.5	94.6	6.7	6.7	6.7	2.6	2.6	2.9	3.8	3.7	3.8
						0.4	56.5	24.7		29.2		7.9		94.6		6.7			2.6			3.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.6	86.4	24.8	24.8	29.5	29.5	7.9	7.9	93.9	93.9	6.6	6.6	6.6	3.0	3.1		4.4	3.9	
						0.8	50.0	24.8		29.5		7.9		93.8		6.6			3.2			3.3		
F1	Cloudy	Rough	09:57	17.9	S	0.2	123.0	23.1	23.1	34.7	34.7	8.5	8.5	126.8	126.8	8.9	8.9	8.8	2.0	2.0	2.3	5.0	5.7	6.1
						0.2	127.0	23.1		34.7		8.5		126.7		8.9			2.1			6.4		
					M	0.1	146.0	23.1	23.1	34.7	34.7	8.5	8.5	125.4	125.4	8.8	8.8		2.1	2.1		6.8	6.9	
						0.1	151.0	23.1		34.7		8.5		125.3		8.8			2.2			7.0		
					B	0.1	143.0	23.1	23.1	34.7	34.7	8.5	8.5	123.0	122.9	8.6	8.6	8.6	2.4	2.6		5.0	5.6	
						0.1	148.0	23.1		34.7		8.5		122.8		8.6			2.7			6.1		
F2	Cloudy	Rough	10:27	22.4	S	0.1	113.0	23.1	23.1	34.7	34.7	8.5	8.5	127.3	127.3	8.9	8.9	8.8	2.3	2.3	8.3	6.5	6.0	5.6
						0.1	114.0	23.1		34.7		8.5		127.2		8.9			2.3			5.4		
					M	0.1	114.0	23.1	23.1	34.7	34.7	8.5	8.5	124.4	124.3	8.7	8.7		9.2	9.4		5.5	5.2	
						0.1	110.0	23.1		34.7		8.5		124.1		8.7			9.7			4.8		
					B	0.1	148.0	23.1	23.1	34.7	34.7	8.5	8.5	122.4	122.4	8.6	8.6	8.6	13.1	13.1		5.5	5.6	
						0.1	148.0	23.1		34.7		8.5		122.3		8.6			13.2			5.7		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/21** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Cloudy	Rough	11:44	17.5	S	0.2	125.0	23.6	23.6	34.8	34.8	8.5	8.5	134.7	134.6	9.4	9.4	9.3	1.7	1.7	4.5	7.0	7.0	5.7
						0.1	117.0	23.6		34.8		8.5		134.5		9.4			1.7			6.9		
					M	0.2	144.0	23.6	23.6	34.8	34.8	8.5	8.5	133.1	133.1	9.3	9.3		2.1	2.1		4.1	5.0	
						0.2	148.0	23.6		34.8		8.5		133.1		9.3			2.1			5.9		
					B	0.1	120.0	23.4	23.4	34.7	34.7	8.5	8.5	125.2	125.1	8.7	8.7	8.7	9.6	9.7		5.1	5.3	
						0.2	120.0	23.4		34.7		8.5		124.9		8.7			9.7			5.4		
F4	Fine	Rough	09:32	14.4	S	0.1	106.0	24.4	24.4	34.9	34.9	8.1	8.1	140.1	140.1	9.6	9.6	9.6	0.6	0.6	0.6	3.6	3.8	4.2
						0.1	111.0	24.4		34.9		8.1		140.1		9.6			0.6			3.9		
					M	0.1	85.0	24.4	24.4	34.9	34.9	8.1	8.1	139.2	139.2	9.5	9.5		0.7	0.7		5.2	4.3	
						0.2	90.0	24.4		34.9		8.1		139.2		9.5			0.7			3.4		
					B	0.2	108.0	24.3	24.3	34.9	34.9	8.1	8.1	136.3	136.3	9.4	9.4	9.4	0.6	0.6		4.8	4.5	
						0.2	108.0	24.3		34.9		8.1		136.3		9.4			0.7			4.1		
F5	Fine	Moderate	11:44	5.4	S	0.4	207.0	24.5	24.5	33.4	33.4	7.9	7.9	141.8	141.7	9.8	9.8	9.8	1.9	1.9	3.4	3.5	3.3	3.9
						0.4	211.0	24.5		33.4		7.9		141.6		9.8			1.9			3.1		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	217.0	24.3	24.3	34.1	34.1	7.9	7.9	125.6	125.6	8.7	8.7	8.7	4.9	4.9		3.9	4.5	
						0.3	212.0	24.3		34.1		7.9		125.6		8.7			4.9			5.1		
F6	Cloudy	Calm	11:52	14.2	S	0.2	24.7	24.8	24.8	29.9	29.9	8.0	8.0	106.1	106.3	7.4	7.4	7.2	2.4	2.3	5.8	2.4	2.2	6.8
						0.2	24.7	24.8		29.9		8.0		106.5		7.5			2.1			1.9		
					M	0.5	177.1	24.7	24.7	30.6	30.6	8.0	8.0	99.4	99.5	6.9	6.9		4.1	3.9		3.4	3.6	
						0.4	222.1	24.7		30.6		8.0		99.5		6.9			3.7			3.8		
					B	0.4	25.6	24.6	24.6	31.0	31.0	8.0	8.0	96.2	96.4	6.7	6.7	6.7	11.8	11.2		15.0	14.6	
						0.4	25.6	24.6		31.0		8.0		96.6		6.7			10.5			14.1		
IM1	Cloudy	Rough	09:41	12.0	S	0.2	154.0	23.7	23.7	34.8	34.8	8.4	8.4	126.8	126.8	8.8	8.8	8.7	1.7	1.7	2.8	4.2	4.4	5.4
						0.2	153.0	23.7		34.8		8.4		126.7		8.8			1.7			4.6		
					M	0.2	170.0	23.4	23.4	34.8	34.8	8.4	8.4	123.3	123.2	8.6	8.6		2.4	2.5		5.8	5.6	
						0.2	166.0	23.4		34.8		8.4		123.0		8.6			2.6			5.3		
					B	0.2	133.0	23.3	23.3	34.7	34.7	8.4	8.4	120.0	119.8	8.4	8.4	8.4	4.1	4.2		6.0	6.2	
						0.1	132.0	23.3		34.7		8.4		119.6		8.4			4.3			6.4		
IM2	Cloudy	Moderate	09:22	11.2	S	0.1	118.0	23.7	23.7	34.7	34.7	8.3	8.3	121.1	121.1	8.4	8.4	8.3	2.4	2.4	5.0	6.2	6.0	5.2
						0.1	112.0	23.7		34.7		8.3		121.1		8.4			2.4			5.8		
					M	0.1	131.0	23.7	23.7	34.7	34.7	8.3	8.3	119.2	119.2	8.3	8.3		2.6	2.7		5.3	5.2	
						0.1	123.0	23.7		34.7		8.3		119.2		8.3			2.7			5.1		
					B	0.1	129.0	23.5	23.5	34.7	34.7	8.4	8.4	118.1	118.1	8.2	8.2	8.2	9.9	9.9		4.5	4.3	
						-	133.0	23.5		34.7		8.4		118.0		8.2			10.0			4.1		
IM3	Cloudy	Rough	10:51	14.2	S	0.2	89.0	23.6	23.6	34.7	34.7	8.4	8.4	129.8	129.8	9.0	9.0	9.0	1.6	1.6	2.6	2.6	2.4	3.0
						0.2	95.0	23.6		34.7		8.4		129.8		9.0			1.6			2.2		
					M	0.2	84.0	23.5	23.5	34.7	34.7	8.4	8.4	127.9	127.7	8.9	8.9		2.5	2.5		2.9	3.1	
						0.1	86.0	23.5		34.7		8.4		127.5		8.9			2.5			3.2		
					B	0.1	108.0	23.5	23.5	34.7	34.7	8.4	8.4	124.4	124.3	8.7	8.7	8.7	3.6	3.7		3.8	3.7	
						0.1	109.0	23.5		34.7		8.4		124.2		8.7			3.8			3.5		
IM4	Cloudy	Rough	11:12	16.3	S	0.2	135.0	23.7	23.7	34.7	34.7	8.5	8.5	137.7	137.7	9.6	9.6	9.4	1.9	1.9	2.1	6.6	6.5	5.8
						0.2	136.0	23.7		34.7		8.5		137.6		9.6			2.0			6.3		
					M	0.2	101.0	23.7	23.7	34.7	34.7	8.5	8.5	134.3	134.2	9.3	9.3		2.3	2.3		5.9	5.8	
						0.2	105.0	23.7		34.7		8.5		134.0		9.3			2.3			5.6		
					B	0.1	123.0	23.7	23.7	34.7	34.7	8.5	8.5	131.7	131.6	9.1	9.1	9.1	2.2	2.2		5.1	5.2	
						0.1	120.0	23.7		34.7		8.5		131.5		9.1			2.2			5.2		
IM5	Cloudy	Rough	11:16	15.7	S	0.1	125.0	23.6	23.6	34.7	34.7	8.5	8.5	136.2	136.1	9.5	9.5	9.3	1.6	1.6	2.9	3.8	3.8	4.7
						0.2	128.0	23.6		34.7		8.5		136.0		9.5			1.6			3.7		
					M	0.1	114.0	23.6	23.6	34.7	34.7	8.5	8.5	131.5	131.4	9.1	9.1		3.2	3.3		4.5	4.6	
						0.1	110.0	23.6		34.7		8.5		131.2		9.1			3.5			4.7		
					B	0.2	122.0	23.6	23.6	34.7	34.7	8.5	8.5	128.3	128.2	8.9	8.9	8.9	3.6	3.6		5.6	5.7	
						0.1	121.0	23.6		34.7		8.5		128.1		8.9			3.6			5.8		
IM6	Cloudy	Rough	11:32	15.7	S	0.2	130.0	23.6	23.6	34.7	34.7	8.5	8.5	133.3	133.2	9.3	9.3	9.1	3.1	3.1	5.3	5.5	5.4	5.9
						0.2	135.0	23.6		34.7		8.5		133.0		9.3			3.1			5.2		
					M	0.2	127.0	23.5	23.5	34.7	34.7	8.5	8.5	129.3	129.1	9.0	9.0		5.9	5.9		5.6	5.8	
						0.2	120.0	23.5		34.7		8.5		128.9		9.0			6.0			6.0		
					B	0.2	125.0	23.5	23.5	34.7	34.7	8.5	8.5	127.2	127.1	8.9	8.8	8.8	6.8	6.8		6.7	6.5	
						0.1	123.0	23.5		34.7		8.5		127.0		8.8			6.9			6.3		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/21** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Cloudy	Rough	11:53	14.1	S	0.1	119.0	23.3	23.3	34.7	34.7	8.5	8.5	129.8	129.8	9.1	9.1	9.0	2.3	2.3	4.2	6.9	6.8	5.3
						0.1	119.0	23.3		34.7		8.5		129.7		9.1			2.4			6.6		
					M	0.1	109.0	23.3	23.3	34.7	34.7	8.5	8.5	127.2	127.0	8.9	8.9		4.3	4.5		6.2	6.0	
						0.1	105.0	23.3		34.7		8.5		126.7		8.9			4.7			5.8		
					B	0.1	124.0	23.3	23.3	34.7	34.7	8.5	8.5	124.7	124.6	8.7	8.7	8.7	5.3	5.7		2.9	3.1	
						0.1	127.0	23.3		34.7		8.5		124.5		8.7			6.1			3.2		
IM8	Cloudy	Rough	12:12	12.2	S	0.1	131.0	23.3	23.3	34.8	34.8	8.5	8.5	130.1	130.0	9.1	9.1	9.0	2.2	2.2	4.8	2.8	3.0	3.6
						0.1	138.0	23.3		34.8		8.5		129.9		9.1			2.3			3.2		
					M	-	99.0	23.3	23.3	34.7	34.7	8.5	8.5	126.9	126.8	8.9	8.9		3.4	3.4		3.6	3.7	
						0.1	95.0	23.3		34.7		8.5		126.6		8.8			3.3			3.8		
					B	0.1	133.0	23.3	23.3	34.7	34.7	8.5	8.5	120.5	120.4	8.4	8.4	8.4	8.8	8.7		4.2	4.2	
						0.1	140.0	23.3		34.7		8.5		120.3		8.4			8.6			4.1		
IM9	Cloudy	Rough	12:20	13.8	S	0.3	144.0	23.2	23.2	34.7	34.7	8.5	8.5	127.3	127.3	8.9	8.9	8.8	2.4	2.4	3.0	2.6	2.7	4.1
						0.4	136.0	23.2		34.7		8.5		127.3		8.9			2.4			2.8		
					M	0.3	127.0	23.2	23.2	34.7	34.7	8.5	8.5	125.0	125.0	8.8	8.8		3.2	3.2		4.6	4.4	
						0.3	120.0	23.2		34.7		8.5		124.9		8.8			3.2			4.2		
					B	0.3	129.0	23.2	23.2	34.7	34.7	8.5	8.5	124.5	124.5	8.7	8.7	8.7	3.6	3.5		5.2	5.1	
						0.3	135.0	23.2		34.7		8.5		124.4		8.7			3.4			4.9		
IM10	Fine	Rough	10:08	11.8	S	0.2	63.0	24.1	24.1	34.8	34.8	8.0	8.0	130.2	130.2	9.0	9.0	9.0	4.3	4.3	6.7	6.2	6.5	7.4
						0.2	62.0	24.1		34.8		8.0		130.2		9.0			4.3			6.7		
					M	0.2	67.0	24.1	24.1	34.8	34.8	8.0	8.0	130.1	130.1	9.0	9.0		5.1	5.1		7.4	7.2	
						0.2	73.0	24.1		34.8		8.0		130.1		9.0			5.1			6.9		
					B	0.2	75.0	24.1	24.1	34.8	34.8	8.0	8.0	129.6	129.6	8.9	8.9	8.9	10.7	10.7		8.3	8.7	
						0.1	74.0	24.1		34.8		8.0		129.5		8.9			10.7			9.0		
IM11A	Fine	Moderate	10:20	5.2	S	0.5	132.0	24.1	24.1	34.5	34.5	8.0	8.0	129.2	129.2	8.9	8.9	8.9	8.3	8.4	11.1	20.9	19.5	21.3
						0.5	125.0	24.1		34.5		8.0		129.2		8.9			8.4			18.1		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.5	160.0	24.2	24.2	34.6	34.6	8.0	8.0	128.2	128.2	8.8	8.8	8.8	13.8	13.8		23.6	23.2	
						0.5	166.0	24.2		34.6		8.0		128.1		8.8			13.8			22.7		
IM12	Fine	Moderate	10:28	14.4	S	0.6	164.0	24.1	24.1	33.8	33.8	8.0	8.0	133.1	133.1	9.2	9.2	9.2	13.2	13.1	7.2	4.1	4.1	5.2
						0.6	171.0	24.1		33.8		8.0		133.1		9.2			13.1			4.1		
					M	0.6	175.0	24.1	24.1	34.0	34.0	8.0	8.0	132.7	132.7	9.2	9.2		1.2	1.2		3.8	4.8	
						0.6	181.0	24.1		34.0		8.0		132.7		9.2			1.2			5.7		
					B	0.7	145.0	24.1	24.1	34.5	34.5	8.0	8.0	130.4	130.5	9.0	9.0	9.0	7.1	7.1		7.5	6.7	
						0.7	145.0	24.1		34.5		8.0		130.5		9.0			7.2			5.9		
IM13	Fine	Moderate	10:53	17.5	S	0.6	187.0	24.1	24.1	34.0	34.0	7.9	7.9	131.9	131.9	9.1	9.1	9.1	0.8	0.8	0.9	5.8	6.5	7.7
						0.5	182.0	24.1		34.0		7.9		131.8		9.1			0.8			7.2		
					M	0.6	204.0	24.1	24.1	34.0	34.0	7.9	7.9	130.6	130.6	9.0	9.0		0.8	0.8		12.0	8.9	
						0.6	207.0	24.1		34.0		7.9		130.6		9.0			0.8			5.8		
					B	0.6	178.0	24.1	24.1	34.5	34.5	7.9	7.9	128.3	128.3	8.9	8.8	8.8	1.0	1.0		8.8	7.7	
						0.7	183.0	24.1		34.5		7.9		128.2		8.8			1.1			6.6		
IM14	Fine	Moderate	11:01	10.1	S	0.6	224.0	24.2	24.2	34.1	34.1	7.9	7.9	128.0	128.0	8.8	8.8	8.8	1.5	1.5	3.5	3.9	4.2	5.3
						0.6	224.0	24.2		34.1		7.9		128.0		8.8			1.5			4.5		
					M	0.5	230.0	24.1	24.1	34.3	34.3	7.9	7.9	126.0	126.0	8.7	8.7		1.3	1.3		6.6	6.1	
						0.5	235.0	24.1		34.3		7.9		126.0		8.7			1.3			5.6		
					B	0.6	222.0	24.1	24.1	34.6	34.6	7.9	7.9	124.5	124.5	8.6	8.6	8.6	7.7	7.8		6.0	5.7	
						0.5	225.0	24.1		34.6		7.9		124.5		8.6			7.8			5.4		
IM15	Cloudy	Calm	11:23	8.1	S	0.6	163.5	24.6	24.6	30.5	30.6	8.1	8.1	121.8	122.3	8.5	8.5	8.4	2.6	2.8	5.2	4.8	4.3	7.7
						0.1	203.5	24.6		30.7		8.1		122.7		8.6			2.9			3.8		
					M	0.6	194.1	24.3	24.3	31.3	31.4	8.1	8.1	118.3	118.4	8.3	8.3		5.5	5.6		9.8	9.7	
						0.6	194.1	24.3		31.4		8.1		118.5		8.3			5.6			9.6		
					B	0.6	193.7	24.2	24.2	31.6	31.6	8.1	8.1	115.0	115.0	8.1	8.1	8.1	7.3	7.4		9.9	9.1	
						0.5	144.7	24.2		31.6		8.1		114.9		8.1			7.5			8.3		
IM16A	Cloudy	Calm	10:56	8.2	S	0.6	171.8	24.6	24.5	30.7	30.7	8.1	8.1	118.7	119.2	8.3	8.3	8.2	5.1	5.3	6.0	8.7	8.3	9.1
						0.5	179.1	24.5		30.7		8.1		119.7		8.4			5.4			7.9		
					M	0.6	101.7	24.5	24.5	31.0	31.0	8.1	8.1	115.7	115.8	8.1	8.1		6.3	6.3		9.9	10.1	
						0.6	101.7	24.5		31.0		8.1		115.8		8.1			6.2			10.2		
					B	0.2	1.4	24.5	24.5	31.0	31.0	8.1	8.1	115.5	115.5	8.1	8.1	8.1	6.5	6.5		8.2	8.9	
						0.3	234.6	24.5		31.0		8.1		115.5		8.1			6.4			9.5		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/21** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	10:34	5.7	S	1.4	249.2	24.7	24.7	29.4	29.4	8.0	8.0	104.2	104.3	7.3	7.3	7.3	6.1	6.1	6.7	8.5	9.1	9.4
						1.4	249.2	24.7		29.4		8.0		104.4		7.3			6.0			9.7		
					M	0.4	128.5	24.7	24.7	29.5	29.7	8.0	8.0	103.8	104.3	7.3	7.3		6.2	6.6		7.6	8.0	
						0.6	196.0	24.7		29.9		8.0		104.8		7.4			7.0			8.3		
					B	0.5	56.3	24.6	24.6	30.2	30.0	7.9	7.9	106.2	105.8	7.4	7.4	7.4	7.7	7.5		12.0	11.0	
						0.4	104.5	24.7		29.9		8.0		105.4		7.4			7.2			10.0		
IM18	Cloudy	Calm	10:21	17.7	S	0.3	341.9	24.6	24.6	29.1	29.1	8.0	7.9	101.7	103.3	7.2	7.3	7.2	4.0	4.1	4.4	5.9	6.6	8.3
						0.3	341.9	24.6		29.1		7.9		104.8		7.4			4.1			7.3		
					M	0.2	272.2	24.7	24.7	31.0	31.0	7.9	7.9	101.4	101.2	7.1	7.1		4.1	4.1		8.4	9.0	
						0.2	272.2	24.7		31.0		7.9		100.9		7.0			4.0			9.5		
					B	0.6	319.8	24.6	24.6	31.2	31.2	7.9	7.9	108.5	108.1	7.6	7.5	7.5	5.0	5.1		10.1	9.4	
						0.4	128.3	24.6		31.2		7.9		107.7		7.5			5.2			8.7		
IM19	Cloudy	Calm	10:01	18.3	S	1.5	21.8	25.4	25.5	30.0	29.9	7.9	7.9	95.8	96.0	6.6	6.6	6.8	3.8	3.9	4.6	4.2	4.9	6.7
						1.5	21.8	25.5		29.9		7.9		96.1		6.6			3.9			5.6		
					M	0.6	122.7	24.7	24.7	30.7	30.7	7.9	7.9	98.9	98.7	6.9	6.9		3.6	3.8		4.9	5.7	
						0.6	122.7	24.7		30.7		7.9		98.4		6.9			4.0			6.4		
					B	0.3	76.4	24.7	24.7	31.0	31.0	7.9	7.9	94.7	94.6	6.6	6.6	6.6	6.0	6.1		8.8	9.5	
						0.5	330.3	24.7		31.0		7.9		94.5		6.6			6.1			10.1		
IM20A	Cloudy	Calm	09:25	7.1	S	0.3	269.6	24.9	24.9	29.2	29.2	7.9	7.9	96.0	96.0	6.7	6.7	6.7	2.6	2.6	3.0	4.7	4.3	5.7
						0.6	209.0	24.9		29.2		7.9		96.0		6.7			2.5			3.8		
					M	0.7	225.4	24.8	24.8	29.2	29.2	7.9	7.9	94.9	95.1	6.7	6.7		2.5	2.5		4.4	4.6	
						0.7	225.4	24.8		29.2		7.9		95.3		6.7			2.4			4.7		
					B	0.2	197.2	24.9	24.9	30.1	30.1	7.9	7.9	90.3	90.2	6.3	6.3	6.3	4.1	4.1		7.8	8.3	
						0.2	195.1	24.9		30.1		7.9		90.0		6.3			4.1			8.7		
IM21A	Cloudy	Calm	09:38	6.8	S	0.3	237.8	25.1	25.1	29.7	29.7	7.9	7.9	93.1	93.2	6.5	6.5	6.5	5.9	6.0	5.5	9.9	9.7	8.8
						0.3	237.8	25.1		29.7		7.9		93.2		6.5			6.0			9.4		
					M	0.4	115.7	24.9	24.9	30.2	30.2	7.8	7.9	92.3	92.2	6.4	6.4		5.2	5.1		9.5	9.0	
						0.4	115.7	24.9		30.2		7.9		92.0		6.4			5.0			8.5		
					B	0.7	44.0	24.9	24.9	30.2	30.2	7.8	7.8	94.6	94.2	6.6	6.6	6.6	5.4	5.4		7.3	7.8	
						0.2	192.7	24.9		30.2		7.9		93.7		6.5			5.4			8.2		
IM22A	Cloudy	Calm	09:46	5.2	S	0.8	47.9	25.4	25.6	29.6	29.8	7.9	7.9	96.8	96.5	6.7	6.7	6.7	4.0	4.2	5.0	4.6	5.0	5.5
						0.8	47.9	25.7		29.9		7.9		96.2		6.6			4.3			5.4		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.5	90.6	25.5	25.5	30.0	30.0	7.9	7.9	96.9	96.8	6.7	6.7	6.7	6.1	5.8		6.4	6.0	
						0.5	90.6	25.5		30.0		7.9		96.6		6.7			5.5			5.5		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/23** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Misty	Rough	19:37	12.2	S	0.2	17.0	23.6	23.6	34.4	34.4	8.1	8.1	83.4	83.5	5.8	5.8	5.8	3.0	3.0	3.7	3.0	3.2	4.4
						0.2	19.0	23.6		34.4		8.1		83.5		5.8			3.0			3.4		
					M	0.2	16.0	23.6	23.6	34.4	34.4	8.1	8.1	83.5	83.6	5.8	5.8		3.3	3.4		4.3	4.2	
						0.3	18.0	23.6		34.4		8.1		83.6		5.8			3.5			4.0		
					B	0.2	353.0	23.7	23.7	34.4	34.4	8.1	8.1	83.9	84.0	5.8	5.8	5.8	4.9	4.9		5.6	5.8	
						0.2	348.0	23.7		34.4		8.1		84.0		5.8			4.8			5.9		
E2	Rainy	Rough	18:52	9.6	S	0.2	259.0	24.3	24.3	34.8	34.8	8.0	8.0	117.2	117.2	8.1	8.0	8.0	3.4	3.4	5.1	5.2	5.1	4.4
						0.2	261.0	24.3		34.8		8.0		117.1		8.0			3.4			4.9		
					M	0.1	260.0	24.1	24.2	34.8	34.8	8.0	8.0	114.5	114.5	7.9	7.9		5.2	5.2		4.6	4.5	
						0.1	265.0	24.2		34.8		8.0		114.5		7.9			5.2			4.4		
					B	0.2	284.0	24.0	24.0	34.7	34.7	7.9	7.9	109.6	109.6	7.6	7.6	7.6	6.8	6.8		3.6	3.8	
						0.2	279.0	24.0		34.7		7.9		109.6		7.6			6.9			3.9		
E3	Rainy	Rough	18:01	15.7	S	0.6	313.0	24.3	24.3	34.8	34.8	8.0	8.0	117.6	117.6	8.1	8.1	8.1	3.6	3.7	3.9	4.6	4.8	5.2
						0.7	309.0	24.3		34.8		8.0		117.6		8.1			3.7			4.9		
					M	0.6	301.0	24.3	24.3	34.8	34.8	8.0	8.0	117.1	117.1	8.0	8.0		4.7	4.8		5.3	5.2	
						0.6	300.0	24.3		34.8		8.0		117.1		8.0			4.8			5.1		
					B	0.6	325.0	24.2	24.2	34.8	34.8	8.0	8.0	113.9	113.9	7.8	7.8	7.8	3.3	3.3		5.4	5.6	
						0.6	319.0	24.2		34.8		8.0		113.9		7.8			3.3			5.8		
E4	Rainy	Rough	16:12	10.0	S	0.1	92.0	24.1	24.1	33.8	33.8	8.1	8.1	112.2	112.2	7.8	7.8	7.7	1.5	1.5	1.7	7.0	5.6	4.0
						0.1	98.0	24.1		33.8		8.1		112.2		7.8			1.5			4.2		
					M	0.1	98.0	24.1	24.1	34.1	34.1	8.1	8.1	111.4	111.4	7.7	7.7		1.9	1.8		2.8	2.9	
						0.1	99.0	24.1		34.1		8.1		111.4		7.7			1.8			2.9		
					B	0.1	65.0	24.0	24.0	34.2	34.2	8.1	8.1	111.2	111.2	7.7	7.7	7.7	1.7	1.7		3.5	3.6	
						0.1	64.0	24.0		34.2		8.1		111.2		7.7			1.8			3.7		
E5	Rainy	Moderate	16:00	6.4	S	0.7	264.8	24.5	24.5	30.4	30.4	7.8	7.8	97.7	97.7	6.9	6.9	6.9	7.3	7.0	8.3	8.4	8.7	10.6
						1.1	282.4	24.5		30.4		7.8		97.7		6.9			6.7			9.0		
					M	1.2	259.7	24.4	24.4	30.5	30.5	7.8	7.8	97.7	97.8	6.9	6.9		8.4	8.3		10.8	10.7	
						1.2	259.7	24.5		30.5		7.8		97.8		6.9			8.2			10.5		
					B	0.9	272.9	24.4	24.4	30.6	30.6	7.8	7.8	98.1	98.2	6.9	6.9	6.9	9.2	9.7		12.2	12.4	
						1.5	257.6	24.4		30.6		7.8		98.2		6.9			10.2			12.5		
E6	Rainy	Moderate	17:14	6.1	S	0.9	353.2	24.6	24.6	28.5	28.5	7.7	7.7	95.0	94.9	6.7	6.7	6.7	7.0	7.0	8.3	8.1	8.3	8.7
						0.9	341.1	24.6		28.5		7.7		94.8		6.7			6.9			8.4		
					M	2.0	351.5	24.6	24.6	28.6	28.6	7.7	7.7	94.4	94.5	6.7	6.7		8.1	7.9		8.0	8.3	
						2.0	351.5	24.6		28.6		7.7		94.6		6.7			7.7			8.6		
					B	0.8	27.8	24.6	24.6	29.4	29.3	7.7	7.7	93.6	93.7	6.6	6.6	6.6	10.2	10.1		9.2	9.5	
						0.8	344.7	24.6		29.1		7.8		93.7		6.6			9.9			9.8		
E7A	Rainy	Moderate	17:31	4.5	S	1.0	351.3	24.7	24.7	29.4	29.4	7.7	7.7	93.8	93.8	6.6	6.6	6.6	5.2	5.3	6.0	7.7	7.5	8.6
						1.0	351.3	24.7		29.4		7.7		93.7		6.6			5.3			7.3		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.1	45.0	24.7	24.7	29.5	29.5	7.7	7.7	93.5	93.5	6.6	6.6	6.6	7.1	6.8		9.4	9.6	
						1.1	45.0	24.7		29.5		7.7		93.5		6.6			6.5			9.8		
F1	Misty	Rough	18:47	17.8	S	0.3	300.0	23.6	23.6	34.3	33.3	8.1	8.1	106.6	106.6	7.6	7.5	7.5	2.4	2.4	3.9	5.0	4.9	3.7
						0.3	294.0	23.6		32.3		8.1		106.5		7.5			2.5			4.8		
					M	0.3	303.0	23.6	23.7	32.3	32.3	8.1	8.1	105.8	105.7	7.5	7.5		3.5	3.5		3.6	3.4	
						0.3	303.0	23.7		32.3		8.1		105.5		7.5			3.5			3.2		
					B	0.3	300.0	23.7	23.7	32.3	32.3	8.1	8.1	104.9	104.7	7.4	7.4	7.4	5.9	5.9		2.9	2.8	
						0.3	296.0	23.7		32.3		8.1		104.5		7.4			5.9			2.6		
F2	Misty	Rough	18:21	22.6	S	0.3	288.0	23.7	23.7	34.4	34.4	8.1	8.1	87.1	87.0	6.3	6.3	6.2	2.7	2.8	4.4	3.7	3.9	4.4
						0.3	280.0	23.7		34.4		8.1		86.9		6.3			2.8			4.0		
					M	0.3	273.0	23.7	23.7	34.4	34.4	8.1	8.1	86.4	86.3	6.2	6.2		4.9	4.9		4.5	4.4	
						0.3	266.0	23.7		34.4		8.1		86.2		6.2			5.0			4.2		
					B	0.3	273.0	23.7	23.7	34.4	34.4	8.1	8.1	81.7	81.6	5.9	5.9	5.9	5.4	5.4		5.1	4.9	
						0.3	269.0	23.7		34.4		8.1		81.4		5.9			5.4			4.7		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/23** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Misty	Rough	16:35	15.0	S	0.2	280.0	23.6	23.6	32.3	32.3	8.1	8.1	90.3	90.3	6.4	6.4	6.4	3.8	3.9	4.7	3.8	4.0	4.5
						0.2	286.0	23.6		32.3		8.1		90.3		6.4			3.9			4.1		
					M	0.2	267.0	23.6	23.6	32.3	32.3	8.1	8.1	90.7	90.8	6.4	6.4		4.8	4.8		4.6	4.5	
						0.2	265.0	23.6		32.3		8.1		90.8		6.4			4.8			4.4		
					B	0.2	287.0	23.6	23.6	32.2	32.2	8.1	8.1	91.9	92.0	6.5	6.5	6.5	5.5	5.5		5.2	5.1	
						0.2	280.0	23.6		32.2		8.1		92.1		6.5			5.5			4.9		
F4	Rainy	Rough	18:30	13.8	S	0.5	275.0	24.3	24.3	34.8	34.8	8.0	8.0	117.5	117.5	8.1	8.1	8.0	2.0	2.0	2.8	3.8	3.7	4.6
						0.5	274.0	24.3		34.8		8.0		117.5		8.1			2.0			3.6		
					M	0.5	262.0	24.3	24.3	34.8	34.8	8.0	8.0	116.9	116.9	8.0	8.0		2.7	2.7		4.3	4.5	
						0.5	267.0	24.3		34.8		8.0		116.9		8.0			2.7			4.6		
					B	0.5	282.0	24.3	24.3	34.8	34.8	8.0	8.0	114.5	114.5	7.9	7.9	7.9	3.7	3.8		5.3	5.6	
						0.5	277.0	24.3		34.8		8.0		114.5		7.9			3.8			5.9		
F5	Rainy	Moderate	15:51	5.1	S	0.1	208.0	24.0	24.0	34.2	34.2	8.1	8.1	110.6	110.6	7.7	7.7	7.7	2.3	2.3	3.4	3.4	3.2	3.8
						0.1	209.0	24.0		34.2		8.1		110.6		7.7			2.2			3.0		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.2	206.0	24.1	24.1	34.4	34.4	8.1	8.1	109.5	109.5	7.6	7.6	7.6	4.5	4.5		4.5	4.4	
						0.1	204.0	24.1		34.4		8.1		109.5		7.6			4.5			4.2		
F6	Rainy	Moderate	18:41	15.0	S	1.5	318.7	24.4	24.4	30.1	30.2	7.8	7.8	97.5	97.7	6.9	6.9	6.8	13.3	13.5	16.1	17.6	18.1	22.9
						1.5	318.7	24.4		30.2		7.8		97.8		6.9			13.7			18.5		
					M	0.7	244.8	24.4	24.4	30.4	30.3	7.8	7.8	97.1	97.2	6.8	6.8		14.9	14.9		27.7	29.6	
						0.7	244.8	24.4		30.2		7.8		97.2		6.8			14.9			31.4		
					B	0.3	6.2	24.4	24.4	30.7	30.7	7.8	7.8	96.5	96.5	6.8	6.8	6.8	18.8	19.9		19.8	21.2	
						0.5	287.1	24.4		30.6		7.8		96.4		6.8			21.0			22.6		
IM1	Misty	Rough	19:01	11.4	S	0.1	20.0	23.6	23.6	34.4	34.4	8.1	8.1	84.2	84.2	5.9	5.9	5.9	1.9	1.9	2.5	4.0	3.8	4.4
						0.1	20.0	23.6		34.4		8.1		84.2		5.9			1.9			3.6		
					M	0.1	31.0	23.6	23.6	34.3	34.3	8.1	8.1	84.2	84.2	5.9	5.9		2.6	2.7		4.6	4.4	
						0.2	36.0	23.6		34.3		8.1		84.2		5.9			2.7			4.1		
					B	0.1	41.0	23.7	23.7	34.3	34.3	8.1	8.1	84.2	84.2	5.9	5.9	5.9	3.1	3.1		5.3	5.1	
						0.1	35.0	23.7		34.3		8.1		84.2		5.9			3.0			4.9		
IM2	Misty	Rough	19:18	10.2	S	0.4	15.0	23.7	23.7	34.3	34.3	8.1	8.1	88.1	88.1	6.4	6.4	6.3	2.6	2.6	3.5	4.2	4.1	4.7
						0.3	20.0	23.7		34.3		8.1		88.0		6.4			2.6			3.9		
					M	0.4	7.0	23.7	23.7	34.3	34.2	8.1	8.1	87.6	87.6	6.3	6.3		3.5	3.5		4.5	4.4	
						0.4	9.0	23.7		34.2		8.1		87.5		6.3			3.5			4.3		
					B	0.4	8.0	23.7	23.7	34.4	34.4	8.1	8.1	87.6	87.7	6.3	6.3	6.3	4.4	4.5		5.2	5.5	
						0.4	15.0	23.7		34.4		8.1		87.8		6.4			4.6			5.8		
IM3	Misty	Rough	18:00	16.2	S	0.3	277.0	23.6	23.6	32.9	32.9	8.1	8.1	109.4	109.4	7.7	7.7	7.7	1.0	1.1	2.2	2.7	2.8	3.6
						0.3	274.0	23.6		32.9		8.1		109.4		7.7			1.1			2.8		
					M	0.2	273.0	23.6	23.7	32.9	32.8	8.1	8.1	109.9	110.0	7.7	7.7		2.2	2.2		3.9	3.7	
						0.2	275.0	23.7		32.8		8.1		110.0		7.7			2.2			3.4		
					B	0.3	287.0	23.7	23.7	32.8	32.8	8.1	8.1	109.9	109.9	7.7	7.7	7.7	3.5	3.5		4.5	4.3	
						0.3	280.0	23.7		32.8		8.1		109.8		7.7			3.4			4.1		
IM4	Misty	Rough	17:39	15.2	S	0.4	272.0	23.6	23.6	34.4	34.4	8.1	8.1	83.5	83.5	5.8	5.8	5.8	2.6	2.6	3.6	2.4	2.5	3.1
						0.4	277.0	23.6		34.4		8.1		83.5		5.8			2.6			2.6		
					M	0.4	296.0	23.6	23.6	34.3	34.3	8.1	8.1	84.1	84.2	5.9	5.9		3.5	3.5		3.2	3.0	
						0.4	288.0	23.6		34.3		8.1		84.2		5.9			3.5			2.8		
					B	0.4	298.0	23.6	23.6	34.3	34.3	8.1	8.1	84.3	84.3	5.9	5.9	5.9	4.7	4.6		3.8	3.7	
						0.4	302.0	23.6		34.2		8.1		84.3		5.9			4.6			3.5		
IM5	Misty	Rough	17:22	14.6	S	0.3	295.0	23.6	23.6	34.3	34.3	8.1	8.1	83.1	83.2	5.8	5.8	5.8	2.2	2.2	3.3	2.8	2.7	3.2
						0.3	298.0	23.6		34.3		8.1		83.2		5.8			2.2			2.5		
					M	0.2	266.0	23.6	23.6	34.3	34.3	8.1	8.1	83.3	83.3	5.8	5.8		3.6	3.7		3.2	3.2	
						0.3	268.0	23.6		34.3		8.1		83.3		5.8			3.7			3.1		
					B	0.3	299.0	23.7	23.7	34.3	34.3	8.1	8.1	83.3	83.3	5.8	5.8	5.8	4.1	4.1		3.9	3.8	
						0.3	304.0	23.7		34.3		8.1		83.3		5.8			4.1			3.6		
IM6	Misty	Rough	16:53	14.6	S	0.2	278.0	23.6	23.6	34.4	34.4	8.1	8.1	82.7	82.7	5.8	5.8	5.8	3.5	3.6	4.7	5.0	5.0	4.2
						0.2	275.0	23.6		34.4		8.1		82.7		5.8			3.7			4.9		
					M	0.2	294.0	23.6	23.6	34.3	34.3	8.1	8.1	82.8	82.9	5.8	5.8		4.7	4.7		4.5	4.3	
						0.3	294.0	23.6		34.3		8.1		82.9		5.8			4.7			4.0		
					B	0.2	293.0	23.6	23.6	34.3	34.3	8.1	8.1	83.1	83.1	5.8	5.8	5.8	5.8	5.8		3.6	3.5	
						0.2	293.0	23.6		34.3		8.1		83.1		5.8			5.8			3.3		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/23** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Misty	Rough	16:07	12.2	S	0.2	279.0	23.6	23.6	34.3	34.3	8.1	8.1	85.5	85.6	6.0	6.0	6.0	2.4	2.3	3.5	2.3	2.4	2.8
						0.2	275.0	23.6		34.3		8.1		85.7		6.0			2.3			2.5		
					M	0.2	268.0	23.6	23.6	34.3	34.3	8.1	8.1	86.4	86.6	6.0	6.0		3.7	3.7		2.8	2.7	
						0.2	261.0	23.6		34.3		8.1		86.7		6.0			3.7			2.6		
					B	0.1	265.0	23.7	23.7	34.3	34.3	8.1	8.1	87.7	87.8	6.1	6.1	6.1	4.6	4.6		3.3	3.2	
						0.1	263.0	23.7		34.3		8.1		87.9		6.1			4.5			3.0		
IM8	Misty	Rough	16:15	13.6	S	0.2	270.0	23.7	23.7	32.9	32.9	8.1	8.1	106.9	106.8	7.5	7.5	7.5	5.2	5.2	6.1	3.7	3.9	3.4
						0.2	269.0	23.7		32.9		8.1		106.6		7.5			5.1			4.1		
					M	0.3	255.0	23.7	23.7	32.9	32.9	8.1	8.1	106.0	105.9	7.5	7.5		6.2	6.2		3.4	3.3	
						0.3	253.0	23.7		32.9		8.1		105.8		7.5			6.2			3.1		
					B	0.2	267.0	23.7	23.7	32.9	32.9	8.1	8.1	105.2	105.1	7.4	7.4	7.4	7.0	7.1		3.0	2.9	
						0.2	262.0	23.6		32.9		8.1		105.0		7.4			7.1			2.8		
IM9	Misty	Rough	15:49	14.4	S	0.1	294.0	23.6	23.6	34.3	34.4	8.1	8.1	89.2	89.4	6.2	6.2	6.3	5.4	5.3	6.2	4.0	4.2	3.7
						0.1	286.0	23.5		34.4		8.1		89.5		6.2			5.3			4.3		
					M	0.2	276.0	23.4	23.4	34.4	34.4	8.1	8.1	90.3	90.6	6.3	6.3		6.1	6.2		3.6	3.7	
						0.1	270.0	23.4		34.4		8.1		90.8		6.3			6.2			3.8		
					B	0.1	302.0	23.4	23.4	34.4	34.3	8.1	8.1	92.7	93.7	6.5	6.6	6.6	7.2	7.2		3.4	3.3	
						0.1	306.0	23.3		34.3		8.1		94.7		6.6			7.2			3.2		
IM10	Rainy	Rough	17:42	10.6	S	0.4	248.0	24.1	24.1	34.5	34.5	8.0	8.0	112.2	112.2	7.7	7.7	7.7	2.5	2.5	5.5	4.6	4.4	3.8
						0.4	252.0	24.1		34.5		8.0		112.2		7.7			2.5			4.2		
					M	0.5	257.0	24.1	24.1	34.7	34.7	8.0	8.0	112.3	112.3	7.7	7.7		3.3	3.3		3.8	3.7	
						0.4	250.0	24.1		34.7		8.0		112.3		7.7			3.3			3.5		
					B	0.4	244.0	24.1	24.1	34.8	34.8	8.0	8.0	112.0	112.0	7.7	7.7	7.7	10.8	10.9		3.4	3.3	
						0.4	247.0	24.1		34.8		8.0		112.0		7.7			10.9			3.1		
IM11A	Rainy	Rough	17:22	4.7	S	0.7	308.0	24.0	24.0	34.6	34.6	8.0	8.0	110.8	110.8	7.7	7.7	7.7	5.8	5.8	9.7	6.9	7.1	5.6
						0.8	309.0	24.0		34.6		8.0		110.8		7.7			5.8			7.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.7	343.0	24.0	24.0	34.6	34.6	8.0	8.0	110.4	110.4	7.6	7.6	7.6	13.6	13.6		4.0	4.2	
						0.7	349.0	24.0		34.6		8.0		110.3		7.6			13.6			4.4		
IM12	Rainy	Rough	17:09	14.1	S	0.6	336.0	24.1	24.1	34.0	34.0	8.0	8.0	110.3	110.3	7.6	7.6	7.6	9.0	9.0	9.1	3.7	3.9	3.6
						0.6	332.0	24.1		34.0		8.0		110.3		7.6			9.0			4.1		
					M	0.7	324.0	24.0	24.0	34.3	34.3	8.0	8.0	110.7	110.7	7.7	7.7		10.6	10.6		3.6	3.6	
						0.6	321.0	24.0		34.3		8.0		110.7		7.7			10.6			3.6		
					B	0.6	355.0	24.0	24.0	34.6	34.6	8.0	8.0	110.5	110.5	7.6	7.6	7.6	7.8	7.9		3.4	3.3	
						0.6	1.0	24.0		34.6		8.0		110.5		7.6			7.9			3.1		
IM13	Rainy	Rough	16:38	16.8	S	0.2	9.0	24.1	24.1	33.7	33.7	8.0	8.0	111.8	111.8	7.8	7.8	7.7	1.6	1.7	7.4	4.7	4.9	5.6
						0.2	11.0	24.1		33.7		8.0		111.8		7.8			1.7			5.0		
					M	0.2	28.0	24.1	24.1	34.0	34.0	8.0	8.0	110.0	110.0	7.6	7.6		8.9	8.9		5.4	5.6	
						0.2	30.0	24.1		34.0		8.0		110.0		7.6			8.9			5.8		
					B	0.2	33.0	24.1	24.1	34.1	34.1	8.0	8.0	108.8	108.8	7.5	7.5	7.5	11.7	11.8		6.1	6.4	
						0.2	29.0	24.1		34.1		8.0		108.8		7.5			11.8			6.6		
IM14	Rainy	Rough	16:25	10.4	S	0.1	30.0	24.2	24.2	33.4	33.4	8.0	8.0	112.6	112.6	7.8	7.8	7.7	1.3	1.3	4.6	4.9	4.6	3.8
						0.1	25.0	24.2		33.4		8.0		112.6		7.8			1.3			4.3		
					M	0.1	31.0	24.1	24.1	34.1	34.1	8.1	8.1	109.8	109.8	7.6	7.6		5.9	5.9		3.6	3.7	
						0.1	35.0	24.1		34.1		8.1		109.8		7.6			6.0			3.8		
					B	0.1	40.0	24.1	24.1	34.2	34.2	8.1	8.1	109.3	109.3	7.6	7.6	7.6	6.6	6.6		3.4	3.2	
						0.1	44.0	24.1		34.2		8.1		109.3		7.6			6.7			3.0		
IM15	Rainy	Moderate	15:49	8.3	S	0.7	282.6	24.3	24.3	30.9	30.9	7.8	7.8	99.4	99.4	7.0	7.0	7.0	7.0	7.0	8.0	11.4	11.6	11.0
						0.7	304.8	24.3		30.9		7.8		99.3		7.0			7.0			11.8		
					M	0.5	348.9	24.3	24.3	30.9	30.9	7.8	7.8	99.5	99.6	7.0	7.0		8.1	8.0		11.0	11.1	
						0.5	348.9	24.3		30.9		7.8		99.6		7.0			7.9			11.2		
					B	0.8	301.9	24.3	24.3	30.9	30.9	7.8	7.8	99.7	99.6	7.0	7.0	7.0	8.9	9.0		10.6	10.4	
						0.8	301.9	24.3		30.9		7.8		99.5		7.0			9.1			10.1		
IM16A	Rainy	Moderate	16:13	6.7	S	0.7	299.0	24.5	24.5	30.0	30.0	7.8	7.8	96.5	96.5	6.8	6.8	6.8	14.5	14.2	14.3	19.3	19.6	17.7
						0.4	275.6	24.5		30.0		7.8		96.5		6.8			13.8			19.9		
					M	0.5	240.8	24.5	24.5	30.0	30.0	7.8	7.8	97.9	97.9	6.9	6.9		14.4	14.3		17.4	17.7	
						0.2	270.6	24.5		30.1		7.8		97.8		6.9			14.1			17.9		
					B	0.1	45.0	24.5	24.5	30.1	30.1	7.8	7.8	96.8	96.7	6.8	6.8	6.8	14.1	14.4		15.8	16.0	
						0.7	251.2	24.5		30.1		7.8		96.5		6.8			14.7			16.1		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/23** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Rainy	Moderate	16:31	5.2	S	1.1	305.4	24.5	24.5	29.5	29.5	7.8	7.8	96.4	96.4	6.8	6.8	6.8	10.8	10.5	11.2	12.7	12.2	13.4
						0.5	32.3	24.5		29.5		7.8		96.3		6.8			10.2			11.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.8	38.1	24.4	24.4	29.9	29.9	7.8	7.8	96.3	96.3	6.8	6.8	6.8	11.8	12.0		16.2	14.6	
						0.8	38.1	24.4		29.9		7.8		96.2		6.8			12.1			12.9		
IM18	Rainy	Moderate	16:41	17.3	S	0.4	309.4	24.6	24.6	29.0	28.9	7.8	7.8	95.2	95.4	6.7	6.7	6.7	7.0	6.7	8.6	8.0	8.2	10.3
						0.4	309.4	24.6		28.9		7.8		95.5		6.7			6.3			8.3		
					M	0.3	101.9	24.7	24.7	29.6	29.6	7.8	7.8	93.5	93.6	6.6	6.6		8.8	8.8		10.6	10.4	
						0.3	101.9	24.7		29.6		7.7		93.6		6.6			8.8			10.2		
					B	0.3	17.5	24.6	24.6	30.1	30.0	7.8	7.8	93.9	93.8	6.6	6.6	6.6	10.0	10.3		12.6	12.4	
						0.2	348.9	24.6		30.0		7.8		93.7		6.6			10.6			12.1		
IM19	Rainy	Moderate	16:55	17.8	S	0.3	44.3	24.7	24.7	29.1	29.1	7.8	7.8	94.5	94.6	6.7	6.7	6.6	5.2	5.2	9.3	6.4	6.5	12.0
						0.3	101.4	24.7		29.1		7.8		94.7		6.7			5.1			6.6		
					M	0.7	306.0	24.6	24.6	30.3	30.3	7.8	7.8	92.9	92.8	6.5	6.5		6.5	6.5		10.3	10.1	
						0.6	339.1	24.6		30.3		7.8		92.7		6.5			6.4			9.9		
					B	1.0	341.4	24.6	24.6	30.6	30.6	7.8	7.8	93.9	93.3	6.6	6.5	6.5	16.4	16.4		19.2	19.4	
						1.1	341.7	24.6		30.6		7.8		92.7		6.5			16.4			19.6		
IM20A	Rainy	Moderate	17:49	6.7	S	0.7	88.3	24.7	24.7	29.7	29.7	7.8	7.8	93.4	93.6	6.6	6.6	6.5	7.0	6.6	9.0	8.1	8.0	11.5
						0.7	88.3	24.7		29.6		7.8		93.8		6.6			6.1			7.8		
					M	1.5	39.3	24.7	24.7	29.9	29.9	7.7	7.7	92.9	92.9	6.5	6.5		9.6	9.6		12.2	12.5	
						0.5	41.7	24.7		30.0		7.7		92.9		6.5			9.5			12.7		
					B	0.7	326.2	24.7	24.7	30.0	30.0	7.7	7.8	92.8	92.9	6.5	6.5	6.5	11.5	10.9		14.0	14.2	
						0.9	45.9	24.7		30.0		7.8		92.9		6.5			10.3			14.4		
IM21A	Rainy	Moderate	17:58	6.8	S	0.1	49.2	24.7	24.7	29.7	29.6	7.7	7.7	93.7	93.8	6.6	6.6	6.5	6.2	5.7	11.1	9.7	9.6	14.6
						0.1	49.2	24.7		29.6		7.7		93.9		6.6			5.2			9.4		
					M	0.6	38.4	24.7	24.7	30.3	30.3	7.7	7.7	92.8	92.8	6.5	6.5		13.4	12.7		16.9	16.8	
						0.7	13.1	24.7		30.2		7.7		92.8		6.5			11.9			16.6		
					B	0.5	105.6	24.7	24.7	30.3	30.3	7.7	7.8	93.0	93.0	6.5	6.5	6.5	14.4	15.0		17.2	17.5	
						0.5	105.6	24.7		30.3		7.8		92.9		6.5			15.6			17.7		
IM22A	Rainy	Moderate	18:04	5.2	S	0.4	64.1	24.8	24.7	30.3	30.3	7.7	7.7	92.3	92.2	6.5	6.4	6.4	10.2	10.0	10.4	11.0	10.8	12.0
						0.4	64.1	24.7		30.3		7.7		92.0		6.4			9.8			10.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.2	45.7	24.7	24.7	30.3	30.3	7.7	7.7	92.3	92.2	6.5	6.4	6.4	10.4	10.9		13.3	13.1	
						1.2	45.7	24.7		30.3		7.7		92.1		6.4			11.3			12.9		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/23** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Misty	Rough	10:26	10.8	S	0.1	103.0	23.6	23.6	34.6	34.6	8.2	8.2	77.4	77.5	5.4	5.4	5.6	4.1	4.1	5.4	3.5	3.7	4.6
						0.1	96.0	23.5		34.6		8.2		77.5		5.4			4.2			3.9		
					M	0.1	99.0	23.4	23.4	34.7	34.7	8.2	8.2	83.1	83.1	5.8	5.8		5.1	5.2		4.4	4.6	
						0.1	92.0	23.4		34.7		8.2		83.1		5.8			5.2			4.7		
					B	0.1	117.0	23.4	23.4	34.7	34.7	8.2	8.2	83.3	83.3	5.8	5.8	5.8	7.0	7.0		5.3	5.5	
						0.1	121.0	23.4		34.7		8.2		83.3		5.8			7.0			5.7		
E2	Cloudy	Rough	10:28	9.7	S	0.1	164.0	24.3	24.3	34.8	34.8	8.2	8.2	114.7	114.7	7.9	7.9	7.8	2.0	2.0	2.0	3.3	3.2	4.7
						0.1	169.0	24.3		34.8		8.2		114.7		7.9			2.0			3.1		
					M	0.1	185.0	24.0	24.0	34.8	34.8	8.2	8.2	111.0	111.0	7.7	7.7		1.5	1.5		4.8	5.0	
						0.1	186.0	24.0		34.8		8.2		111.0		7.7			1.6			5.2		
					B	0.1	156.0	23.9	23.9	34.8	34.8	8.2	8.2	107.6	107.6	7.4	7.4	7.4	2.4	2.5		5.9	5.8	
						0.1	162.0	23.9		34.8		8.2		107.6		7.4			2.5			5.6		
E3	Cloudy	Rough	11:15	15.4	S	0.1	114.0	24.2	24.2	34.8	34.8	8.1	8.1	115.3	115.3	7.9	7.9	7.9	1.0	1.1	1.3	3.8	4.0	3.5
						0.1	107.0	24.2		34.8		8.1		115.3		7.9			1.1			4.2		
					M	0.1	113.0	24.2	24.2	34.8	34.8	8.2	8.2	114.4	114.4	7.9	7.9		1.1	1.1		3.7	3.6	
						0.1	115.0	24.2		34.8		8.2		114.3		7.9			1.1			3.4		
					B	0.1	81.0	24.1	24.1	34.8	34.8	8.2	8.2	110.9	110.9	7.6	7.6	7.6	1.7	1.8		2.9	3.0	
						0.1	78.0	24.1		34.8		8.2		110.9		7.6			1.8			3.1		
E4	Cloudy	Moderate	12:25	12.9	S	0.5	192.0	24.1	24.1	33.8	33.8	8.1	8.1	111.5	111.5	7.7	7.7	7.7	1.3	1.3	6.3	3.5	3.7	3.5
						0.5	193.0	24.1		33.8		8.1		111.5		7.7			1.3			3.9		
					M	0.5	199.0	24.1	24.1	34.2	34.2	8.1	8.1	110.0	110.0	7.6	7.6		8.0	8.0		3.8	3.9	
						0.5	203.0	24.1		34.2		8.1		110.0		7.6			8.0			4.0		
					B	0.5	226.0	24.1	24.1	34.2	34.2	8.1	8.1	109.4	109.4	7.6	7.6	7.6	9.6	9.6		3.1	3.0	
						0.5	223.0	24.1		34.2		8.1		109.4		7.6			9.6			2.8		
E5	Rainy	Moderate	12:23	6.8	S	0.7	200.2	24.3	24.3	31.0	31.0	8.0	8.0	103.5	103.7	7.3	7.3	7.2	6.8	6.7	6.9	8.9	8.8	7.9
						0.4	199.7	24.3		31.0		8.0		103.8		7.3			6.6			8.6		
					M	1.0	165.5	24.2	24.2	31.2	31.2	8.0	8.0	103.0	102.8	7.2	7.2		7.3	7.3		8.0	8.1	
						1.0	165.5	24.2		31.2		8.0		102.6		7.2			7.2			8.1		
					B	0.4	138.0	24.0	24.0	31.8	31.8	7.9	7.9	104.0	104.0	7.3	7.3	7.3	6.6	6.7		6.7	6.9	
						0.3	16.5	24.0		31.8		8.0		104.0		7.3			6.7			7.1		
E6	Rainy	Moderate	10:25	6.7	S	0.8	270.9	24.6	24.6	29.8	29.8	7.9	7.9	97.6	97.3	6.9	6.8	6.8	8.7	8.6	12.3	9.0	8.9	13.1
						0.8	270.9	24.6		29.8		7.9		97.0		6.8			8.5			8.8		
					M	0.3	14.6	24.5	24.5	30.5	30.4	8.0	8.0	96.8	96.9	6.8	6.8		10.5	10.1		10.3	10.4	
						0.3	14.6	24.6		30.3		8.0		97.0		6.8			9.7			10.5		
					B	0.2	303.2	24.5	24.5	30.7	30.7	8.1	8.1	94.4	94.4	6.6	6.6	6.6	18.5	18.2		20.2	20.1	
						0.4	278.2	24.5		30.7		8.1		94.3		6.6			17.8			19.9		
E7A	Rainy	Moderate	10:43	5.0	S	0.4	85.4	24.7	24.7	29.8	29.8	7.8	7.8	93.1	93.2	6.5	6.5	6.5	6.0	5.9	6.2	7.1	7.0	7.7
						0.4	85.4	24.7		29.7		7.8		93.2		6.5			5.7			6.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.7	32.6	24.7	24.7	29.9	29.9	7.8	7.8	94.0	93.9	6.6	6.6	6.6	6.4	6.5		8.6	8.4	
						0.7	32.6	24.7		30.0		7.8		93.7		6.6			6.6			8.1		
F1	Misty	Rough	11:22	17.8	S	0.1	152.0	23.6	23.6	34.3	34.3	8.2	8.2	88.6	88.8	6.2	6.2	6.2	1.4	1.4	2.3	4.5	4.4	4.8
						0.1	153.0	23.6		34.4		8.2		89.0		6.2			1.4			4.2		
					M	0.1	160.0	23.6	23.7	34.3	34.3	8.2	8.2	89.9	90.1	6.3	6.3		2.7	2.7		4.6	4.8	
						0.1	163.0	23.7		34.2		8.2		90.3		6.3			2.7			5.0		
					B	0.1	134.0	23.8	23.8	34.2	34.1	8.2	8.2	92.5	92.9	6.4	6.5	6.5	3.1	3.0		5.1	5.3	
						0.1	139.0	23.8		34.1		8.2		93.3		6.5			2.9			5.4		
F2	Misty	Rough	11:52	23.6	S	0.1	125.0	23.6	23.6	34.3	34.3	8.1	8.1	83.6	83.6	5.8	5.8	5.9	1.2	1.2	2.6	3.9	3.7	4.2
						0.1	119.0	23.5		34.3		8.1		83.6		5.8			1.2			3.4		
					M	0.1	133.0	23.5	23.5	34.3	34.3	8.1	8.1	84.2	84.3	5.9	5.9		2.7	2.7		4.0	4.2	
						0.1	133.0	23.5		34.3		8.1		84.3		5.9			2.7			4.3		
					B	0.1	108.0	23.6	23.6	34.2	34.2	8.2	8.2	85.6	85.7	6.0	6.0	6.0	4.0	3.9		5.0	4.8	
						0.2	105.0	23.6		34.2		8.2		85.8		6.0			3.9			4.6		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/23** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Misty	Rough	13:16	17.0	S	0.1	148.0	23.6	23.6	32.6	32.6	8.1	8.1	102.5	102.5	7.2	7.2	7.2	5.4	5.4	6.4	3.3	3.2	3.6
						0.2	142.0	23.6		32.6		8.1		102.5		7.2			5.4			3.1		
					M	0.1	159.0	23.6	23.6	32.6	32.6	8.1	8.1	102.3	102.3	7.2	7.2		6.7	6.7		3.8	3.6	
						0.1	153.0	23.6		32.6		8.1		102.3		7.2			6.7			3.4		
					B	0.1	149.0	23.6	23.6	32.6	32.5	8.1	8.1	102.3	102.3	7.2	7.2	7.2	7.0	7.1		3.9	4.1	
						0.2	148.0	23.6		32.5		8.1		102.3		7.2			7.1			4.2		
F4	Cloudy	Rough	10:51	14.6	S	0.1	102.0	24.3	24.3	34.8	34.8	8.0	8.0	117.0	117.0	8.0	8.0	8.0	3.6	3.6	3.6	4.6	4.4	5.1
						0.1	97.0	24.3		34.8		8.0		117.0		8.0			3.7			4.2		
					M	0.1	110.0	24.3	24.3	34.8	34.8	8.0	8.0	116.4	116.4	8.0	8.0		3.6	3.6		4.9	5.1	
						0.1	110.0	24.3		34.8		8.0		116.4		8.0			3.6			5.3		
					B	0.1	118.0	24.2	24.2	34.8	34.8	8.0	8.0	114.6	114.6	7.9	7.9	7.9	3.4	3.5		6.1	5.9	
						0.1	121.0	24.2		34.8		8.0		114.5		7.9			3.5			5.7		
F5	Cloudy	Moderate	12:53	5.7	S	0.3	193.0	24.2	24.2	33.5	33.5	8.1	8.1	111.3	111.3	7.7	7.7	7.7	1.8	1.8	1.6	5.2	5.5	5.1
						0.3	189.0	24.2		33.5		8.1		111.3		7.7			1.8			5.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	219.0	24.1	24.1	33.7	33.7	8.1	8.1	110.1	110.2	7.6	7.6	7.6	1.5	1.5		4.4	4.6	
						0.2	221.0	24.1		33.7		8.1		110.2		7.6			1.5			4.8		
F6	Rainy	Moderate	13:01	14.2	S	0.4	206.4	24.5	24.5	30.5	30.5	7.9	7.9	97.3	97.4	6.8	6.8	6.8	5.2	5.1	10.6	6.5	6.7	12.3
						0.4	206.4	24.5		30.5		7.9		97.4		6.8			4.9			6.8		
					M	0.2	133.7	24.4	24.4	30.7	30.6	7.9	7.9	97.2	97.1	6.8	6.8		6.1	5.7		7.1	7.3	
						0.2	133.7	24.4		30.6		7.9		97.0		6.8			5.2			7.5		
					B	1.4	90.4	24.3	24.3	31.1	31.1	7.9	7.9	98.2	98.1	6.9	6.9	6.9	20.5	21.1		23.2	23.0	
						0.6	117.5	24.3		31.1		7.9		97.9		6.9			21.6			22.7		
IM1	Misty	Rough	11:06	14.0	S	0.1	158.0	23.6	23.6	34.9	34.9	8.3	8.3	102.5	102.5	7.1	7.1	7.1	3.5	3.5	4.4	1.8	1.9	2.2
						0.1	152.0	23.6		34.9		8.3		102.5		7.1			3.4			1.9		
					M	0.2	171.0	23.2	23.2	35.2	35.2	8.3	8.3	102.2	102.2	7.1	7.1		4.6	4.6		2.3	2.3	
						0.2	165.0	23.2		35.2		8.3		102.2		7.1			4.5			2.2		
					B	0.2	178.0	23.0	23.0	35.3	35.4	8.3	8.3	102.0	102.0	7.1	7.1	7.1	5.1	5.1		2.7	2.6	
						0.1	180.0	22.9		35.4		8.3		102.0		7.1			5.1			2.5		
IM2	Misty	Rough	10:47	12.6	S	0.1	65.0	23.7	23.7	34.7	34.7	8.2	8.2	94.5	94.6	6.6	6.6	6.6	7.3	7.3	8.3	2.7	2.7	3.1
						0.1	70.0	23.7		34.8		8.2		94.6		6.6			7.4			2.6		
					M	0.1	53.0	23.7	23.7	34.8	34.8	8.2	8.2	95.7	95.7	6.6	6.6		8.5	8.5		2.8	2.8	
						0.1	48.0	23.7		34.8		8.2		95.7		6.6			8.5			2.8		
					B	0.1	76.0	23.3	23.3	35.1	35.1	8.2	8.2	96.8	96.9	6.8	6.8	6.8	9.1	9.1		3.5	3.7	
						0.1	82.0	23.2		35.1		8.2		97.0		6.8			9.1			3.9		
IM3	Misty	Rough	12:16	14.0	S	0.1	100.0	23.6	23.6	34.3	34.3	8.1	8.1	100.9	101.0	7.1	7.1	7.1	3.3	3.4	4.5	3.7	3.5	4.1
						0.2	103.0	23.6		34.3		8.1		101.0		7.1			3.5			3.2		
					M	0.1	104.0	23.6	23.6	34.3	34.3	8.1	8.1	101.1	101.2	7.1	7.1		4.2	4.3		3.7	3.9	
						0.1	110.0	23.6		34.3		8.1		101.2		7.1			4.3			4.0		
					B	0.2	94.0	23.6	23.6	34.3	34.3	8.1	8.1	101.3	101.4	7.1	7.1	7.1	5.9	5.8		4.7	4.9	
						0.1	89.0	23.6		34.3		8.1		101.4		7.1			5.8			5.1		
IM4	Misty	Rough	12:37	16.0	S	0.1	141.0	23.6	23.6	34.3	34.3	8.2	8.2	83.9	84.0	5.8	5.8	5.9	3.5	3.5	4.3	2.7	2.6	2.4
						0.1	134.0	23.6		34.3		8.2		84.0		5.9			3.5			2.5		
					M	0.1	130.0	23.6	23.6	34.3	34.3	8.2	8.2	84.1	84.2	5.9	5.9		4.2	4.1		2.2	2.3	
						0.2	135.0	23.6		34.3		8.2		84.2		5.9			4.1			2.4		
					B	0.2	149.0	23.6	23.6	34.2	34.2	8.2	8.2	84.3	84.3	5.9	5.9	5.9	5.3	5.2		2.1	2.2	
						0.1	141.0	23.6		34.2		8.2		84.3		5.9			5.2			2.2		
IM5	Misty	Rough	12:56	13.4	S	0.1	122.0	23.6	23.6	34.3	34.3	8.1	8.1	84.1	84.1	5.9	5.9	5.9	4.7	4.7	5.3	3.8	3.7	3.2
						0.1	127.0	23.6		34.3		8.2		84.1		5.9			4.7			3.6		
					M	0.1	125.0	23.6	23.6	34.3	34.2	8.2	8.2	84.2	84.2	5.9	5.9		5.0	5.1		3.1	3.3	
						0.1	125.0	23.6		34.2		8.2		84.2		5.9			5.1			3.4		
					B	0.1	103.0	23.6	23.6	34.2	34.2	8.2	8.2	84.2	84.2	5.9	5.9	5.9	6.3	6.3		2.8	2.7	
						0.1	107.0	23.6		34.2		8.2		84.2		5.9			6.3			2.5		
IM6	Misty	Rough	13:08	16.2	S	0.1	133.0	23.6	23.6	32.7	32.7	8.1	8.1	102.4	102.4	7.2	7.2	7.2	5.3	5.3	6.3	3.0	3.1	2.6
						0.1	134.0	23.5		32.7		8.1		102.4		7.2			5.3			3.2		
					M	0.1	110.0	23.5	23.5	32.7	32.7	8.1	8.1	102.6	102.7	7.2	7.2		6.2	6.2		2.7	2.6	
						0.1	102.0	23.5		32.7		8.1		102.7		7.2			6.1			2.5		
					B	0.1	130.0	23.5	23.6	32.8	32.7	8.1	8.1	102.9	103.0	7.2	7.2	7.2	7.6	7.6		2.1	2.2	
						0.1	132.0	23.6		32.7		8.1		103.0		7.2			7.6			2.2		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/23** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Misty	Rough	13:36	15.4	S	0.1	121.0	23.6	23.6	34.3	34.3	8.1	8.1	83.0	83.1	5.8	5.8	5.8	5.5	5.6	6.6	2.5	2.6	3.1
						0.1	120.0	23.6		34.3		8.1		83.1		5.8			5.6			2.7		
					M	0.1	123.0	23.6	23.6	34.3	34.3	8.1	8.1	83.2	83.3	5.8	5.8		6.2	6.2		3.3	3.2	
						0.1	120.0	23.6		34.3		8.1		83.3		5.8			6.2			3.0		
					B	0.1	124.0	23.6	23.6	34.3	34.3	8.1	8.1	83.3	83.3	5.8	5.8	5.8	8.0	8.0		3.4	3.5	
						0.1	125.0	23.6		34.3		8.1		83.3		5.8			7.9			3.6		
IM8	Misty	Rough	13:44	12.2	S	0.1	128.0	23.6	23.6	34.3	34.3	8.1	8.1	88.1	88.1	6.4	6.4	6.3	3.1	3.1	4.5	2.5	2.4	3.5
						0.1	122.0	23.6		34.3		8.1		88.0		6.4			3.1			2.3		
					M	0.1	122.0	23.6	23.6	34.3	34.3	8.1	8.1	87.6	87.6	6.3	6.3		4.5	4.6		3.3	3.5	
						0.1	117.0	23.6		34.3		8.1		87.5		6.3			4.6			3.7		
					B	0.1	111.0	23.6	23.6	34.3	34.3	8.1	8.1	87.6	87.7	6.3	6.3	6.3	5.7	5.7		4.4	4.7	
						0.1	112.0	23.6		34.3		8.1		87.8		6.4			5.7			4.9		
IM9	Misty	Rough	14:06	15.0	S	0.2	152.0	23.6	23.6	34.3	34.3	8.1	8.1	82.8	82.8	5.8	5.8	5.8	7.7	7.7	8.5	2.1	2.2	2.8
						0.2	157.0	23.6		34.3		8.1		82.8		5.8			7.7			2.3		
					M	0.2	138.0	23.6	23.6	34.3	34.3	8.1	8.1	83.2	83.3	5.8	5.8		8.8	8.9		2.6	2.8	
						0.2	134.0	23.6		34.3		8.1		83.3		5.8			8.9			3.0		
					B	0.2	127.0	23.6	23.6	34.2	34.2	8.1	8.1	83.4	83.4	5.8	5.8	5.8	9.1	9.1		3.6	3.5	
						0.2	126.0	23.6		34.2		8.1		83.4		5.8			9.1			3.3		
IM10	Cloudy	Rough	11:34	11.8	S	0.2	48.0	24.2	24.2	33.9	33.9	8.0	8.0	111.4	111.4	7.7	7.7	7.7	2.6	2.6	5.1	3.5	3.7	3.9
						0.1	43.0	24.2		33.9		8.0		111.4		7.7			2.6			3.8		
					M	0.1	39.0	24.2	24.2	34.7	34.7	8.1	8.1	111.6	111.6	7.7	7.7		3.0	3.0		3.9	3.8	
						0.1	39.0	24.2		34.7		8.1		111.6		7.7			3.0			3.6		
					B	0.2	45.0	24.1	24.1	34.9	34.9	8.1	8.1	111.2	111.2	7.7	7.7	7.7	9.7	9.6		4.2	4.4	
						0.2	43.0	24.1		34.9		8.1		111.2		7.7			9.6			4.6		
IM11A	Cloudy	Rough	11:44	5.4	S	0.4	134.0	24.1	24.1	33.6	33.6	7.9	7.9	110.1	110.1	7.6	7.6	7.6	3.6	3.6	3.2	2.9	2.8	3.0
						0.4	131.0	24.1		33.6		7.9		110.1		7.6			3.6			2.7		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	124.0	24.1	24.1	34.3	34.3	8.0	8.0	110.9	110.9	7.7	7.7	7.7	2.7	2.7		3.1	3.2	
						0.3	125.0	24.1		34.3		8.0		110.9		7.7			2.8			3.2		
IM12	Cloudy	Rough	11:51	14.2	S	0.5	150.0	24.1	24.1	33.5	33.5	8.2	8.2	111.7	111.7	7.7	7.7	7.7	2.1	2.2	6.9	3.4	3.6	4.3
						0.5	144.0	24.1		33.5		8.2		111.7		7.7			2.2			3.8		
					M	0.4	176.0	24.0	24.0	33.9	33.9	8.2	8.2	111.2	111.2	7.7	7.7		8.0	8.0		4.0	4.1	
						0.5	181.0	24.0		33.9		8.2		111.2		7.7			8.0			4.2		
					B	0.5	177.0	24.1	24.1	33.9	33.9	8.2	8.2	110.1	110.1	7.6	7.6	7.6	10.7	10.7		4.9	5.1	
						0.5	169.0	24.1		33.9		8.2		110.0		7.6			10.7			5.2		
IM13	Cloudy	Moderate	12:07	16.7	S	0.4	183.0	24.2	24.2	33.5	33.5	8.1	8.1	112.2	112.2	7.8	7.8	7.7	1.5	1.5	5.3	3.4	3.5	4.5
						0.4	176.0	24.2		33.5		8.1		112.2		7.8			1.5			3.6		
					M	0.4	188.0	24.0	24.0	33.8	33.8	8.2	8.2	111.4	111.4	7.7	7.7		6.9	7.0		4.8	4.7	
						0.5	185.0	24.0		33.8		8.2		111.4		7.7			7.0			4.6		
					B	0.4	193.0	24.0	24.0	33.9	33.9	8.2	8.2	110.9	110.9	7.7	7.7	7.7	7.5	7.6		5.2	5.4	
						0.4	188.0	24.0		33.9		8.2		110.9		7.7			7.6			5.6		
IM14	Cloudy	Moderate	12:17	10.3	S	0.5	223.0	24.1	24.1	33.8	33.8	8.1	8.1	112.3	112.3	7.8	7.8	7.7	1.5	1.5	1.9	4.5	4.7	4.0
						0.4	220.0	24.1		33.8		8.1		112.3		7.8			1.5			4.8		
					M	0.4	192.0	24.0	24.0	34.2	34.2	8.1	8.1	111.3	111.3	7.7	7.7		1.9	1.9		4.3	4.4	
						0.4	194.0	24.0		34.2		8.1		111.3		7.7			1.9			4.4		
					B	0.4	190.0	24.0	24.0	34.2	34.2	8.1	8.1	110.7	110.7	7.7	7.7	7.7	2.3	2.3		3.1	2.9	
						0.4	191.0	24.0		34.2		8.1		110.7		7.7			2.4			2.7		
IM15	Rainy	Moderate	12:33	8.1	S	0.7	290.6	24.1	24.1	31.5	31.6	8.0	8.0	105.8	105.5	7.4	7.4	7.3	4.9	4.9	5.6	6.5	6.6	5.8
						0.7	290.6	24.1		31.6		8.0		105.1		7.4			4.9			6.6		
					M	0.7	186.5	24.0	24.0	31.7	31.7	8.0	8.0	103.9	103.7	7.3	7.3		6.2	6.0		5.8	5.7	
						0.3	219.1	24.0		31.7		8.0		103.4		7.3			5.8			5.5		
					B	0.5	151.4	24.0	24.0	31.7	31.7	7.9	8.0	103.5	103.5	7.3	7.3	7.3	5.7	5.8		5.1	5.1	
						0.5	151.4	24.0		31.8		8.0		103.5		7.3			5.9			5.0		
IM16A	Rainy	Moderate	12:10	8.1	S	0.8	134.7	24.2	24.2	31.0	31.0	8.0	8.0	101.3	101.3	7.1	7.1	7.1	11.1	11.3	14.3	13.7	14.0	15.7
						0.8	134.7	24.2		31.1		8.0		101.2		7.1			11.4			14.3		
					M	0.3	192.8	24.2	24.2	31.3	31.3	7.9	7.9	100.4	100.5	7.1	7.1		15.1	14.8		15.7	16.2	
						0.3	192.8	24.2		31.3		7.9		100.6		7.1			14.5			16.6		
					B	0.8	136.4	24.1	24.1	31.6	31.6	7.9	7.9	100.2	100.1	7.0	7.0	7.0	17.9	16.9		17.0	17.0	
						1.0	52.5	24.2		31.6		7.9		100.0		7.0			15.9			17.0		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/23** **Tide: Ebb 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
IM17	Rainy	Moderate	11:51	5.8	S	0.6	158.6	24.5	24.5	30.3	30.3	7.9	7.9	96.7	96.7	6.8	6.8	6.8	9.3	9.8	9.9	12.6	12.6	11.5
						0.6	158.6	24.5		30.3		7.9		96.6		6.8			10.3			12.6		
					M	1.0	171.2	24.5	24.5	30.4	30.3	7.9	7.9	96.3	96.4	6.8	6.8		10.2	10.0		11.3	11.2	
						1.0	171.2	24.5		30.3		7.9		96.4		6.8			9.7			11.1		
					B	0.6	151.5	24.5	24.5	30.4	30.4	7.9	7.9	96.0	96.2	6.7	6.8	6.8	9.9	10.1		10.7	10.6	
						0.6	187.9	24.4		30.5		7.9		96.4		6.8			10.2			10.4		
IM18	Rainy	Moderate	11:40	17.7	S	0.7	48.1	24.4	24.4	30.7	30.6	7.9	7.9	97.8	97.7	6.9	6.9	6.9	7.3	7.1	8.3	11.6	9.4	9.0
						0.7	48.1	24.4		30.6		7.9		97.6		6.8			6.8			7.1		
					M	0.7	18.6	24.4	24.4	30.8	30.8	7.9	7.9	98.2	98.1	6.9	6.9		7.9	7.5		8.0	8.5	
						0.7	18.6	24.4		30.8		7.9		97.9		6.9			7.0			8.9		
					B	0.2	222.6	24.2	24.2	31.3	31.4	7.9	7.9	99.6	99.7	7.0	7.0	7.0	9.4	10.4		7.5	9.2	
						0.2	58.6	24.2		31.5		7.9		99.8		7.0			11.3			10.9		
IM19	Rainy	Moderate	11:26	18.3	S	0.3	327.3	24.9	24.9	30.1	30.1	7.9	7.9	95.3	95.3	6.7	6.6	6.6	5.7	5.8	6.3	6.5	6.4	7.0
						0.3	327.3	25.0		30.2		7.9		95.3		6.6			5.8			6.2		
					M	0.1	211.4	24.5	24.6	30.4	30.3	7.9	7.9	94.8	94.7	6.6	6.6		6.8	6.7		6.7	6.9	
						0.1	211.4	24.6		30.3		7.9		94.5		6.6			6.5			7.1		
					B	1.0	256.7	24.5	24.5	30.6	30.6	7.8	7.8	94.9	94.9	6.6	6.6	6.6	6.4	6.5		7.5	7.7	
						0.5	285.8	24.5		30.6		7.8		94.9		6.6			6.5			7.8		
IM20A	Rainy	Moderate	11:00	7.1	S	0.5	263.6	24.7	24.7	30.1	30.1	7.8	7.8	95.3	95.3	6.7	6.7	6.7	5.7	5.5	5.7	5.1	5.2	6.4
						0.5	263.6	24.8		30.1		7.8		95.3		6.7			5.2			5.3		
					M	0.6	141.3	24.7	24.7	30.1	30.1	7.8	7.8	95.4	95.5	6.7	6.7		5.4	5.6		5.9	6.1	
						0.6	141.3	24.6		30.2		7.8		95.6		6.7			5.7			6.3		
					B	0.9	279.2	24.6	24.6	30.2	30.2	7.8	7.8	94.7	94.7	6.6	6.6	6.6	6.1	6.1		8.0	7.9	
						0.9	279.2	24.6		30.2		7.8		94.6		6.6			6.1			7.7		
IM21A	Rainy	Moderate	11:06	6.9	S	0.6	49.9	25.0	25.0	30.0	30.0	7.8	7.8	94.3	94.3	6.6	6.6	6.6	6.8	6.7	6.3	8.1	8.0	6.8
						0.6	49.9	25.0		30.0		7.8		94.2		6.6			6.6			7.8		
					M	0.4	273.7	24.9	24.9	30.1	30.1	7.8	7.8	94.0	94.1	6.6	6.6		6.2	6.2		6.7	6.6	
						0.4	273.7	24.9		30.1		7.8		94.1		6.6			6.1			6.4		
					B	1.4	196.3	24.7	24.7	30.2	30.2	7.8	7.8	94.9	94.8	6.6	6.6	6.6	6.4	6.1		6.1	5.9	
						1.4	196.3	24.7		30.2		7.8		94.6		6.6			5.8			5.7		
IM22A	Rainy	Moderate	11:13	5.3	S	0.2	43.2	26.2	26.1	30.2	30.2	7.9	7.9	97.4	97.3	6.6	6.6	6.6	7.7	8.0	7.9	11.9	12.1	11.2
						0.2	43.2	26.1		30.2		7.9		97.2		6.6			8.2			12.3		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	94.0	26.0	26.0	30.2	30.2	7.8	7.8	97.0	97.1	6.6	6.6	6.6	7.6	7.8		10.5	10.3	
						0.4	94.0	26.1		30.2		7.8		97.1		6.6			7.9			10.0		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/25** **Tide: Flood 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
E1	Misty	Rough	06:26	10.8	S	0.3	299.0	23.5	23.5	34.1	34.1	8.1	8.1	94.9	95.1	6.6	6.6	6.7	1.2	1.2	2.3	5.0	4.5	3.9
						0.3	299.0	23.5		34.1		8.1		95.2		6.7			1.3			4.0		
					M	0.3	312.0	23.4	23.4	34.3	34.3	8.1	8.1	96.0	96.1	6.7	6.7		2.5	2.4		3.1	3.0	
						0.3	305.0	23.4		34.3		8.1		96.1		6.7			2.4			2.8		
					B	0.3	329.0	23.4	23.4	34.3	34.3	8.1	8.1	96.8	97.4	6.8	6.8	6.8	3.2	3.2		4.9	4.3	
						0.3	324.0	23.3		34.4		8.1		98.0		6.9			3.3			3.6		
E2	Misty	Moderate	07:32	9.0	S	0.2	271.0	23.3	23.3	34.3	34.3	8.3	8.3	96.0	96.0	6.7	6.7	6.7	4.3	4.3	4.4	3.4	4.3	4.7
						0.2	268.0	23.3		34.3		8.3		95.9		6.7			4.3			5.2		
					M	0.2	245.0	23.3	23.3	34.3	34.3	8.3	8.2	95.6	95.6	6.7	6.7		4.4	4.4		5.8	5.8	
						0.2	238.0	23.3		34.3		8.2		95.5		6.7			4.4			5.7		
					B	0.2	287.0	23.3	23.3	34.2	34.2	8.2	8.2	95.2	95.2	6.7	6.7	6.7	4.5	4.5		3.9	4.1	
						0.1	286.0	23.3		34.2		8.2		95.2		6.7			4.5			4.2		
E3	Misty	Moderate	08:24	16.8	S	0.7	322.0	23.2	23.2	34.4	34.4	8.3	8.3	99.0	99.0	7.0	7.0	7.0	4.3	4.3	5.1	4.4	4.2	4.5
						0.7	325.0	23.2		34.4		8.3		99.0		7.0			4.3			4.0		
					M	0.8	300.0	23.2	23.2	34.5	34.5	8.3	8.3	99.3	99.3	7.0	7.0		4.9	5.0		4.2	4.8	
						0.8	305.0	23.1		34.5		8.4		99.3		7.0			5.2			5.3		
					B	0.8	325.0	23.1	23.1	34.5	34.5	8.4	8.4	99.3	99.4	7.0	7.0	7.0	6.0	6.0		5.2	4.6	
						0.8	330.0	23.1		34.5		8.4		99.5		7.0			6.0			3.9		
E4	Misty	Moderate	09:36	12.0	S	0.7	15.0	23.2	23.2	34.4	34.4	8.3	8.3	98.9	98.9	6.9	6.9	6.9	2.6	2.6	2.7	3.5	3.6	3.7
						0.7	12.0	23.2		34.4		8.3		98.9		6.9			2.6			3.6		
					M	0.7	11.0	23.2	23.2	34.4	34.4	8.3	8.3	98.9	99.0	6.9	6.9		2.7	2.7		4.4	3.7	
						0.7	8.0	23.2		34.4		8.3		99.0		6.9			2.7			3.0		
					B	0.6	16.0	23.2	23.2	34.4	34.4	8.3	8.3	99.0	99.1	6.9	6.9	6.9	2.7	2.7		4.3	4.0	
						0.7	20.0	23.2		34.4		8.3		99.1		6.9			2.7			3.6		
E5	Cloudy	Calm	06:59	6.0	S	0.2	317.2	24.2	24.2	30.3	30.3	7.9	7.9	91.1	91.1	6.4	6.4	6.4	21.5	21.4	22.9	28.2	26.8	27.1
						0.2	317.2	24.2		30.3		7.9		91.1		6.4			21.3			25.4		
					M	0.7	279.1	24.2	24.2	30.3	30.3	7.9	7.9	91.1	91.1	6.4	6.4		25.1	24.9		28.4	29.7	
						0.8	16.6	24.2		30.3		7.9		91.0		6.4			24.6			30.9		
					B	0.5	338.0	24.2	24.2	30.3	30.3	7.9	7.9	91.0	91.1	6.4	6.4	6.4	22.1	22.6		24.0	24.7	
						0.5	338.0	24.2		30.3		7.9		91.2		6.4			23.0			25.4		
E6	Cloudy	Calm	08:18	6.0	S	0.3	118.9	24.4	24.4	29.3	29.3	7.9	7.9	89.4	89.4	6.3	6.3	6.3	29.8	29.7	34.2	36.0	36.4	39.6
						0.3	118.9	24.4		29.3		7.9		89.4		6.3			29.6			36.8		
					M	0.7	331.8	24.5	24.5	29.4	29.4	7.9	7.9	89.3	89.2	6.3	6.3		35.5	35.6		37.9	39.2	
						0.8	321.3	24.5		29.4		7.9		89.0		6.3			35.7			40.4		
					B	0.3	22.6	24.5	24.5	29.4	29.4	7.9	7.9	89.2	89.1	6.3	6.3	6.3	36.7	37.2		43.4	43.3	
						0.3	27.4	24.5		29.4		7.9		88.9		6.3			37.6			43.2		
E7A	Cloudy	Calm	08:39	4.4	S	0.5	58.6	24.5	24.5	28.6	28.6	7.8	7.8	88.4	88.4	6.3	6.3	6.3	11.2	11.2	14.8	12.0	12.3	15.9
						0.7	358.4	24.5		28.6		7.8		88.4		6.3			11.2			12.5		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	327.8	24.5	24.5	29.1	29.2	7.8	7.8	87.1	87.2	6.2	6.2	6.2	18.4	18.4		19.1	19.6	
						1.0	295.5	24.5		29.2		7.8		87.2		6.2			18.3			20.1		
F1	Misty	Rough	07:23	18.0	S	0.3	312.0	23.5	23.5	34.0	34.0	8.2	8.2	92.6	92.6	6.5	6.5	6.5	4.5	4.5	5.4	3.7	3.5	3.8
						0.3	309.0	23.5		34.0		8.2		92.6		6.5			4.6			3.2		
					M	0.3	320.0	23.5	23.5	34.0	34.0	8.2	8.2	92.9	93.0	6.5	6.5		5.2	5.2		4.7	4.5	
						0.3	326.0	23.5		34.0		8.2		93.1		6.5			5.2			4.3		
					B	0.3	329.0	23.5	23.5	34.1	34.1	8.2	8.2	94.2	94.2	6.6	6.6	6.6	6.5	6.5		3.5	3.5	
						0.3	334.0	23.5		34.1		8.2		94.2		6.6			6.4			3.4		
F2	Misty	Rough	07:52	23.8	S	0.3	303.0	23.5	23.5	33.9	33.9	8.2	8.2	95.3	95.4	6.7	6.7	6.7	2.8	2.8	3.7	7.6	6.9	5.8
						0.3	301.0	23.5		33.9		8.2		95.4		6.7			2.8			6.1		
					M	0.3	299.0	23.5	23.5	33.9	33.9	8.2	8.2	96.0	96.1	6.7	6.7		3.9	3.9		4.5	4.7	
						0.2	304.0	23.5		33.9		8.2		96.2		6.7			4.0			4.8		
					B	0.2	290.0	23.5	23.5	33.9	33.9	8.2	8.2	97.1	97.5	6.8	6.8	6.8	4.4	4.5		5.6	6.0	
						0.2	284.0	23.5		33.9		8.2		97.9		6.8			4.5			6.3		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/25** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Misty	Rough	09:16	17.0	S	0.2	282.0	23.5	23.5	34.0	34.0	8.2	8.2	94.9	95.0	6.6	6.6	6.7	1.8	1.8	2.8	3.6	4.2	4.9
						0.2	286.0	23.5		34.0		8.2		95.1		6.7			1.7			4.7		
					M	0.2	276.0	23.5	23.5	34.0	34.0	8.2	8.2	95.3	95.3	6.7	6.7		3.0	3.0		5.6	5.2	
						0.3	283.0	23.5		34.0		8.2		95.3		6.7			3.0			4.8		
					B	0.3	297.0	23.5	23.5	34.0	34.0	8.2	8.2	95.0	94.9	6.6	6.6	6.6	3.6	3.6		6.3	5.3	
						0.3	298.0	23.5		34.0		8.2		94.8		6.6			3.6			4.2		
F4	Misty	Moderate	07:57	14.8	S	0.4	264.0	23.3	23.3	34.3	34.3	8.3	8.3	96.4	96.5	6.8	6.8	6.8	4.1	4.0	3.7	3.7	4.0	4.2
						0.5	270.0	23.3		34.3		8.3		96.5		6.8			4.0			4.2		
					M	0.5	271.0	23.3	23.3	34.4	34.3	8.3	8.3	96.3	96.3	6.8	6.7		3.8	3.7		5.0	4.5	
						0.5	275.0	23.3		34.3		8.3		96.2		6.7			3.6			4.0		
					B	0.4	283.0	23.3	23.3	34.3	34.3	8.3	8.3	95.9	95.9	6.7	6.7	6.7	3.2	3.4		4.7	4.2	
						0.4	287.0	23.3		34.3		8.3		95.8		6.7			3.5			3.7		
F5	Misty	Moderate	10:09	5.6	S	0.3	37.0	23.2	23.2	34.4	34.5	8.3	8.3	100.1	100.2	7.0	7.0	7.0	3.2	3.2	3.1	5.5	4.9	5.3
						0.3	32.0	23.2		34.5		8.3		100.2		7.0			3.2			4.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	51.0	23.1	23.1	34.5	34.5	8.3	8.3	100.5	100.5	7.1	7.1	7.1	3.1	3.1		5.4	5.8	
						0.3	46.0	23.0		34.5		8.3		100.5		7.1			3.0			6.2		
F6	Cloudy	Calm	06:18	13.3	S	0.4	202.0	24.4	24.4	29.5	29.5	7.8	7.8	90.3	90.2	6.4	6.4	6.4	12.5	12.5	22.3	14.2	15.0	26.2
						0.4	202.0	24.4		29.5		7.8		90.1		6.4			12.5			15.7		
					M	0.9	132.7	24.4	24.4	29.6	29.7	7.8	7.8	89.9	90.0	6.3	6.3		20.2	19.4		22.7	23.7	
						0.2	31.7	24.4		29.7		7.8		90.0		6.4			18.5			24.6		
					B	0.4	198.5	24.4	24.4	29.8	29.8	7.8	7.8	90.2	90.2	6.4	6.4	6.4	32.8	35.1		39.9	40.0	
						0.4	282.4	24.4		29.8		7.8		90.1		6.4			37.4			40.0		
IM1	Misty	Rough	07:06	14.0	S	0.3	356.0	23.5	23.5	34.0	34.0	8.2	8.2	94.2	94.4	6.6	6.6	6.6	4.1	4.1	5.1	7.2	6.5	6.5
						0.3	3.0	23.5		34.0		8.2		94.5		6.6			4.2			5.8		
					M	0.2	345.0	23.5	23.5	34.0	34.0	8.2	8.2	95.3	95.5	6.7	6.7		5.2	5.1		6.0	6.3	
						0.3	342.0	23.5		34.0		8.2		95.7		6.7			5.1			6.5		
					B	0.2	345.0	23.5	23.5	34.0	34.0	8.2	8.2	96.5	96.8	6.8	6.8	6.8	6.0	6.0		6.3	6.7	
						0.2	349.0	23.5		34.0		8.2		97.1		6.8			6.1			7.1		
IM2	Misty	Rough	06:47	12.6	S	0.1	263.0	23.5	23.5	34.1	34.1	8.2	8.2	94.1	94.1	6.6	6.6	6.6	1.9	1.9	2.5	3.2	3.5	3.9
						0.1	262.0	23.5		34.1		8.2		94.1		6.6			1.8			3.8		
					M	0.1	247.0	23.5	23.5	34.1	34.1	8.2	8.2	94.2	94.2	6.6	6.6		2.6	2.6		4.2	4.0	
						0.2	249.0	23.5		34.1		8.2		94.2		6.6			2.6			3.8		
					B	0.1	273.0	23.5	23.5	34.1	34.1	8.1	8.1	94.2	94.2	6.6	6.6	6.6	2.6	3.1		4.6	4.3	
						0.2	265.0	23.5		34.1		8.1		94.2		6.6			3.6			4.0		
IM3	Misty	Rough	08:16	14.0	S	0.2	273.0	23.5	23.5	33.9	33.9	8.2	8.2	93.1	93.2	6.5	6.5	6.5	2.1	2.1	3.5	5.6	5.2	4.4
						0.2	268.0	23.5		33.9		8.2		93.2		6.5			2.2			4.8		
					M	0.2	264.0	23.5	23.5	33.9	33.9	8.2	8.2	93.7	93.8	6.6	6.6		3.7	3.7		5.1	4.5	
						0.2	267.0	23.5		33.9		8.2		93.9		6.6			3.8			3.9		
					B	0.2	275.0	23.5	23.5	34.0	34.0	8.2	8.2	94.1	94.2	6.6	6.6	6.6	4.6	4.6		3.4	3.6	
						0.2	278.0	23.5		34.0		8.2		94.2		6.6			4.6			3.7		
IM4	Misty	Rough	08:38	16.2	S	0.3	270.0	23.5	23.5	34.0	34.0	8.2	8.2	94.5	94.7	6.6	6.6	6.7	3.8	3.8	4.6	2.7	3.0	3.3
						0.3	264.0	23.5		34.0		8.2		94.8		6.6			3.8			3.3		
					M	0.4	273.0	23.5	23.5	34.0	34.0	8.2	8.2	95.9	96.1	6.7	6.7		4.2	4.2		3.5	3.4	
						0.4	270.0	23.5		34.0		8.2		96.3		6.7			4.2			3.3		
					B	0.4	271.0	23.5	23.5	34.0	34.0	8.2	8.2	97.1	97.4	6.8	6.8	6.8	6.0	6.0		3.4	3.5	
						0.4	276.0	23.5		34.0		8.2		97.7		6.8			6.0			3.5		
IM5	Misty	Rough	08:56	13.8	S	0.2	274.0	23.2	23.2	34.4	34.4	8.3	8.3	98.7	98.7	6.9	6.9	6.9	2.0	2.0	3.4	3.5	3.4	4.0
						0.3	272.0	23.2		34.5		8.3		98.7		6.9			2.1			3.2		
					M	0.3	275.0	23.2	23.2	34.5	34.5	8.3	8.3	98.4	98.4	6.9	6.9		3.8	3.9		5.2	5.8	
						0.3	275.0	23.2		34.5		8.3		98.3		6.9			3.9			6.3		
					B	0.3	267.0	23.2	23.2	34.4	34.4	8.3	8.3	98.3	98.4	6.9	6.9	6.9	4.3	4.3		2.6	3.0	
						0.3	267.0	23.2		34.4		8.3		98.4		6.9			4.4			3.3		
IM6	Misty	Rough	09:08	16.2	S	0.2	284.0	23.5	23.5	34.0	34.0	8.2	8.2	96.0	96.1	6.7	6.7	6.8	3.2	3.3	4.4	5.4	5.2	4.6
						0.3	290.0	23.5		34.0		8.2		96.2		6.7			3.3			5.0		
					M	0.3	286.0	23.4	23.4	34.0	34.0	8.2	8.2	96.8	96.9	6.8	6.8		4.2	4.3		4.3	4.2	
						0.3	282.0	23.4		34.0		8.2		97.0		6.8			4.3			4.0		
					B	0.3	313.0	23.4	23.5	34.0	34.0	8.2	8.2	97.9	98.3	6.9	6.9	6.9	5.7	5.7		4.4	4.4	
						0.3	308.0	23.5		34.0		8.2		98.6		6.9			5.7			4.4		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/25** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Misty	Rough	09:36	15.0	S	0.3	266.0	23.2	23.2	34.5	34.5	8.3	8.3	99.9	99.9	7.0	7.0	7.0	1.4	1.5	2.7	4.0	4.2	4.5
						0.2	267.0	23.2		34.5		8.3		99.9		7.0			1.5			4.4		
					M	0.3	278.0	23.2	23.2	34.5	34.5	8.3	8.3	100.4	100.5	7.0	7.0		2.7	2.8		3.0	3.5	
						0.3	271.0	23.2		34.5		8.3		100.6		7.0			2.8			4.0		
					B	0.3	298.0	23.0	23.0	34.6	34.6	8.3	8.3	101.4	101.5	7.1	7.1	7.1	3.9	3.9		6.1	5.7	
						0.2	302.0	23.0		34.7		8.3		101.5		7.1			3.9			5.3		
IM8	Misty	Rough	09:44	12.2	S	0.3	294.0	23.4	23.4	34.0	34.0	8.2	8.2	98.1	98.3	6.9	6.9	6.9	1.0	1.0	1.9	4.3	4.1	4.0
						0.2	295.0	23.4		34.1		8.2		98.5		6.9			1.1			3.9		
					M	0.3	289.0	23.4	23.4	34.1	34.1	8.2	8.2	99.4	99.8	7.0	7.0		1.7	1.7		2.7	4.0	
						0.3	287.0	23.4		34.1		8.2		100.1		7.0			1.6			5.2		
					B	0.2	288.0	23.4	23.4	34.0	33.9	8.2	8.2	101.3	101.4	7.1	7.1	7.1	2.9	2.9		4.2	4.0	
						0.2	286.0	23.4		33.9		8.3		101.4		7.1			2.9			3.7		
IM9	Misty	Rough	10:06	15.4	S	0.4	308.0	23.4	23.4	34.1	34.1	8.2	8.2	94.2	94.3	6.6	6.6	6.6	1.4	1.4	2.2	5.2	4.7	4.4
						0.4	306.0	23.4		34.1		8.2		94.3		6.6			1.4			4.1		
					M	0.5	318.0	23.4	23.4	34.1	34.1	8.2	8.2	94.7	94.8	6.6	6.6		2.0	2.0		4.8	4.1	
						0.5	315.0	23.4		34.1		8.2		94.9		6.6			2.1			3.4		
					B	0.5	303.0	23.4	23.4	34.1	34.1	8.2	8.2	95.5	95.7	6.7	6.7	6.7	3.1	3.2		3.8	4.3	
						0.5	309.0	23.4		34.1		8.2		95.9		6.7			3.2			4.8		
IM10	Misty	Moderate	08:33	12.0	S	0.4	240.0	23.4	23.4	34.0	34.1	8.2	8.2	95.0	95.0	6.7	6.7	6.7	5.6	5.6	5.6	3.1	3.4	3.5
						0.4	236.0	23.4		34.1		8.2		95.0		6.7			5.6			3.7		
					M	0.4	234.0	23.4	23.4	34.1	34.1	8.2	8.2	95.1	95.2	6.7	6.7		5.6	5.6		2.9	3.2	
						0.5	239.0	23.4		34.1		8.2		95.2		6.7			5.7			3.5		
					B	0.5	249.0	23.4	23.4	34.1	34.1	8.2	8.2	95.4	95.5	6.7	6.7	6.7	5.7	5.7		3.7	3.8	
						0.4	254.0	23.4		34.1		8.2		95.6		6.7			5.7			3.9		
IM11A	Misty	Moderate	08:45	5.6	S	1.0	321.0	23.2	23.2	34.4	34.4	8.3	8.3	100.8	100.9	7.1	7.1	7.1	2.4	2.4	2.3	3.5	3.4	3.9
						1.0	325.0	23.2		34.4		8.3		101.0		7.1			2.4			3.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.0	334.0	22.9	22.9	34.7	34.7	8.3	8.3	101.6	101.6	7.2	7.2	7.2	2.3	2.3		3.8	4.4	
						1.0	339.0	22.9		34.7		8.3		101.6		7.2			2.2			5.0		
IM12	Misty	Moderate	08:53	14.6	S	0.9	348.0	23.2	23.2	34.4	34.4	8.3	8.3	98.9	98.9	6.9	6.9	6.9	2.4	2.4	2.4	3.9	3.5	3.6
						1.0	349.0	23.2		34.4		8.3		98.9		6.9			2.4			3.1		
					M	0.9	343.0	23.2	23.2	34.4	34.4	8.3	8.3	99.0	99.1	6.9	6.9		2.5	2.5		3.0	3.3	
						0.9	348.0	23.2		34.4		8.3		99.1		7.0			2.5			3.5		
					B	0.9	346.0	23.2	23.2	34.4	34.4	8.3	8.3	99.2	99.3	7.0	7.0	7.0	2.4	2.4		3.8	4.0	
						0.9	347.0	23.2		34.4		8.3		99.3		7.0			2.5			4.1		
IM13	Misty	Moderate	09:18	17.6	S	0.8	3.0	23.3	23.3	34.2	34.2	8.3	8.3	96.1	96.1	6.7	6.7	6.7	3.9	3.9	3.6	4.1	4.7	4.6
						0.8	1.0	23.3		34.3		8.3		96.1		6.7			3.9			5.2		
					M	0.7	28.0	23.3	23.3	34.3	34.3	8.3	8.3	96.1	96.1	6.7	6.7		3.7	3.7		5.0	4.5	
						0.7	25.0	23.3		34.3		8.3		96.1		6.7			3.7			4.0		
					B	0.8	33.0	23.3	23.3	34.3	34.2	8.3	8.3	96.1	96.1	6.7	6.7	6.7	3.1	3.1		4.8	4.6	
						0.8	32.0	23.3		34.2		8.3		96.1		6.7			3.2			4.4		
IM14	Misty	Moderate	09:26	10.0	S	0.5	29.0	23.2	23.2	34.4	34.4	8.3	8.3	100.0	100.2	7.0	7.0	7.1	2.6	2.6	2.8	3.9	3.6	3.6
						0.5	22.0	23.2		34.4		8.3		100.3		7.0			2.6			3.3		
					M	0.5	32.0	23.0	23.0	34.5	34.6	8.3	8.3	100.6	100.7	7.1	7.1		2.8	2.8		3.7	3.8	
						0.5	24.0	23.0		34.6		8.3		100.8		7.1			2.9			3.9		
					B	0.5	34.0	22.9	22.9	34.6	34.6	8.3	8.3	101.2	101.2	7.1	7.1	7.1	3.0	3.1		2.8	3.3	
						0.5	40.0	22.9		34.6		8.3		101.2		7.1			3.2			3.8		
IM15	Cloudy	Calm	06:45	8.1	S	0.7	341.6	24.2	24.2	30.2	30.2	7.9	7.9	90.7	90.7	6.4	6.4	6.4	25.0	25.3	28.7	34.0	33.4	34.4
						0.6	307.6	24.2		30.2		7.9		90.7		6.4			25.5			32.7		
					M	0.4	346.8	24.2	24.2	30.2	30.2	7.9	7.9	90.5	90.5	6.4	6.4		29.0	29.4		33.5	33.4	
						0.8	286.8	24.2		30.2		7.9		90.5		6.4			29.8			33.3		
					B	0.3	196.0	24.2	24.2	30.3	30.3	7.8	7.8	90.4	90.5	6.4	6.4	6.4	31.2	31.3		35.7	36.6	
						0.3	332.0	24.2		30.3		7.9		90.5		6.4			31.4			37.4		
IM16A	Cloudy	Calm	07:11	7.0	S	0.8	325.3	24.3	24.3	29.9	29.9	7.9	7.9	91.2	91.4	6.4	6.4	6.5	24.1	24.8	26.1	27.7	28.1	30.6
						0.8	325.3	24.3		29.9		7.9		91.5		6.5			25.4			28.5		
					M	1.0	228.3	24.2	24.3	30.1	30.1	7.9	7.9	92.6	92.7	6.5	6.5		25.4	24.6		30.6	31.1	
						0.4	37.0	24.3		30.0		7.9		92.7		6.5			23.7			31.5		
					B	0.9	276.4	24.3	24.3	30.0	30.0	7.9	7.9	94.6	94.1	6.7	6.6	6.6	28.8	28.9		33.5	32.7	
						0.8	347.7	24.3		30.0		7.9		93.6		6.6			28.9			31.8		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/25** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	07:31	4.8	S	1.1	328.1	24.4	24.4	29.5	29.5	7.9	7.9	90.4	90.4	6.4	6.4	6.4	11.0	10.8	16.7	11.5	10.6	15.6
						1.3	324.7	24.4		29.5		7.9		90.4		6.4			10.6			9.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	260.2	24.4	24.4	29.8	29.8	7.9	7.9	89.9	90.0	6.3	6.3	6.3	21.9	22.6		20.3	20.6	
						0.3	331.5	24.4		29.8		7.9		90.0		6.3			23.3			20.9		
IM18	Cloudy	Calm	07:41	17.0	S	0.7	43.8	24.4	24.4	29.3	29.3	7.8	7.8	89.9	90.0	6.4	6.4	6.3	12.5	12.2	21.6	12.9	12.8	25.5
						0.5	8.9	24.4		29.3		7.8		90.0		6.4			11.9			12.6		
					M	0.1	201.4	24.5	24.5	29.5	29.4	7.8	7.8	89.0	89.0	6.3	6.3		18.3	18.8		20.2	21.1	
						0.7	275.8	24.5		29.4		7.8		89.0		6.3			19.2			21.9		
					B	0.7	349.8	24.4	24.4	29.8	29.8	7.8	7.8	89.9	89.7	6.3	6.3	6.3	33.3	33.8		43.0	42.8	
						0.1	38.5	24.4		29.8		7.8		89.5		6.3			34.3			42.5		
IM19	Cloudy	Calm	07:57	17.7	S	0.5	22.4	24.5	24.5	29.3	29.3	7.8	7.8	89.3	89.3	6.3	6.3	6.3	12.6	12.7	19.6	13.8	14.3	23.2
						0.5	22.4	24.5		29.3		7.8		89.3		6.3			12.8			14.8		
					M	0.9	317.0	24.4	24.4	29.7	29.8	7.8	7.8	89.7	89.7	6.3	6.3		13.1	13.4		14.0	14.7	
						1.0	328.0	24.4		29.8		7.8		89.7		6.3			13.6			15.4		
					B	1.0	17.9	24.4	24.4	30.0	30.0	7.9	7.8	89.8	89.7	6.3	6.3	6.3	32.8	32.7		41.0	40.5	
						0.7	97.1	24.4		30.0		7.8		89.6		6.3			32.6			40.0		
IM20A	Cloudy	Calm	08:54	6.4	S	0.5	45.1	25.4	25.4	29.9	29.9	7.9	7.9	93.4	93.5	6.5	6.5	6.4	20.2	20.0	21.8	28.0	28.4	29.3
						0.5	45.1	25.5		29.9		7.9		93.5		6.5			19.8			28.8		
					M	1.2	89.1	24.4	24.4	29.9	29.9	7.9	7.9	89.6	89.7	6.3	6.3		22.6	21.6		31.8	30.6	
						1.2	89.1	24.4		29.9		7.9		89.7		6.3			20.6			29.3		
					B	0.5	53.5	24.4	24.4	29.9	29.9	7.8	7.8	89.6	89.6	6.3	6.3	6.3	23.8	23.8		28.4	28.9	
						1.0	92.2	24.4		29.9		7.8		89.5		6.3			23.8			29.3		
IM21A	Cloudy	Calm	09:04	6.3	S	0.3	18.9	25.8	25.8	30.1	30.0	7.8	7.8	94.4	94.3	6.5	6.5	6.5	21.1	22.1	21.8	23.2	24.1	25.1
						0.9	167.7	25.8		30.0		7.8		94.1		6.5			23.0			25.0		
					M	1.3	353.3	25.5	25.7	29.9	30.0	7.8	7.8	93.9	94.2	6.5	6.5		23.7	23.7		32.2	31.5	
						0.6	17.2	26.0		30.1		7.8		94.5		6.5			23.7			30.7		
					B	0.7	334.2	25.3	25.1	29.9	29.9	7.8	7.8	93.7	92.9	6.5	6.5	6.5	18.5	19.7		20.0	19.6	
						0.2	235.1	25.0		30.0		7.8		92.0		6.4			20.8			19.2		
IM22A	Cloudy	Calm	09:15	4.7	S	0.6	175.4	24.4	24.4	30.1	30.1	7.8	7.8	90.1	90.2	6.3	6.4	6.4	11.8	11.1	14.0	14.7	13.9	15.2
						0.6	175.4	24.4		30.0		7.8		90.3		6.4			10.3			13.1		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.5	128.3	24.4	24.4	30.1	30.2	7.8	7.8	90.9	91.1	6.4	6.4	6.4	17.1	16.9		16.3	16.6	
						0.5	128.3	24.4		30.3		7.8		91.2		6.4			16.7			16.8		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/25** **Tide: Ebb 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
E1	Misty	Rough	15:47	12.4	S	0.1	199.0	23.2	23.2	34.4	34.4	8.3	8.3	99.0	99.0	7.0	7.0	6.9	1.1	1.1	1.6	3.9	4.0	4.0
						0.1	195.0	23.2		34.4		8.3		99.0		7.0			1.1			4.0		
					M	0.1	214.0	23.2	23.2	34.4	34.4	8.3	8.3	98.9	98.9	6.9	6.9		1.4	1.4		5.2	4.6	
						0.1	220.0	23.2		34.4		8.3		98.9		6.9			1.4			4.0		
					B	0.1	189.0	23.2	23.2	34.4	34.4	8.3	8.3	99.2	99.2	6.9	6.9	6.9	2.5	2.4		3.3	3.3	
						0.1	192.0	23.2		34.4		8.3		99.1		6.9			2.3			3.3		
E2	Misty	Moderate	14:54	8.0	S	0.1	71.0	23.2	23.2	34.4	34.4	8.3	8.3	100.8	100.9	7.1	7.1	7.1	3.0	3.1	3.6	3.2	3.6	4.1
						0.1	78.0	23.2		34.4		8.3		101.0		7.1			3.1			3.9		
					M	0.1	43.0	23.1	23.1	34.5	34.6	8.3	8.3	101.9	102.0	7.2	7.2		3.4	3.5		4.0	4.6	
						0.1	43.0	23.0		34.6		8.3		102.0		7.2			3.5			5.1		
					B	0.1	40.0	22.7	22.7	34.8	34.9	8.3	8.3	102.2	102.2	7.2	7.2	7.2	4.2	4.2		4.7	4.1	
						0.1	39.0	22.6		34.9		8.3		102.2		7.2			4.2			3.5		
E3	Misty	Moderate	13:56	15.4	S	0.1	106.0	23.3	23.3	34.3	34.3	8.3	8.3	100.3	100.3	7.0	7.0	7.0	2.3	2.3	4.7	3.6	3.4	4.2
						0.2	101.0	23.3		34.3		8.3		100.3		7.0			2.4			3.1		
					M	0.2	127.0	23.3	23.3	34.3	34.3	8.3	8.3	100.0	99.9	7.0	7.0		2.6	2.7		4.7	5.0	
						0.2	122.0	23.3		34.3		8.3		99.7		7.0			2.9			5.3		
					B	0.2	111.0	23.3	23.3	34.3	34.2	8.3	8.3	99.4	99.3	7.0	7.0	7.0	10.5	9.1		4.1	4.2	
						0.2	110.0	23.3		34.2		8.3		99.2		7.0			7.7			4.2		
E4	Misty	Moderate	12:24	10.6	S	0.1	38.0	23.3	23.3	34.5	34.5	8.3	8.3	99.8	99.9	7.0	7.0	7.0	3.0	3.0	3.0	4.5	4.6	4.0
						0.1	43.0	23.3		34.5		8.3		99.9		7.0			3.0			4.6		
					M	0.1	43.0	23.2	23.2	34.5	34.5	8.3	8.3	99.9	99.9	7.0	7.0		3.1	3.1		3.4	3.8	
						0.1	36.0	23.2		34.5		8.3		99.9		7.0			3.1			4.1		
					B	0.1	26.0	23.2	23.2	34.5	34.5	8.3	8.3	99.8	99.8	7.0	7.0	7.0	3.0	3.0		3.1	3.8	
						0.1	23.0	23.2		34.5		8.3		99.8		7.0			3.0			4.4		
E5	Cloudy	Calm	13:57	6.9	S	0.5	261.0	24.2	24.2	31.6	31.6	8.0	8.0	97.0	97.1	6.8	6.8	6.8	7.0	7.0	8.5	8.1	8.3	9.9
						0.5	261.0	24.2		31.6		8.0		97.1		6.8			6.9			8.4		
					M	0.4	289.4	24.0	24.0	31.7	31.7	8.0	8.0	96.1	96.1	6.8	6.7		8.3	8.1		9.7	9.5	
						0.4	289.4	24.0		31.7		8.0		96.0		6.7			7.8			9.2		
					B	0.2	183.7	23.9	23.9	31.7	31.7	7.9	8.0	95.5	95.6	6.7	6.7	6.7	10.4	10.6		12.1	12.0	
						1.0	98.6	23.9		31.7		8.0		95.6		6.7			10.8			11.8		
E6	Cloudy	Calm	12:53	6.8	S	0.7	11.5	24.8	24.7	29.9	29.9	7.8	7.8	91.7	91.7	6.4	6.4	6.4	8.1	7.9	10.0	9.7	9.4	11.5
						0.7	11.5	24.7		29.9		7.9		91.6		6.4			7.7			9.1		
					M	0.1	304.7	24.4	24.4	30.0	30.0	7.8	7.8	90.0	90.0	6.3	6.3		10.6	10.8		13.2	12.6	
						0.1	304.7	24.4		30.0		7.8		90.0		6.3			10.9			11.9		
					B	0.6	331.3	24.3	24.3	30.7	30.8	7.8	7.8	89.6	89.5	6.3	6.3	6.3	11.4	11.4		13.1	12.4	
						0.6	331.3	24.3		30.8		7.8		89.4		6.3			11.4			11.7		
E7A	Cloudy	Calm	12:37	5.1	S	0.1	284.5	24.5	24.5	29.9	29.9	7.8	7.8	90.6	90.6	6.4	6.4	6.4	7.3	7.3	7.5	7.7	8.2	9.0
						0.1	284.5	24.6		29.9		7.8		90.5		6.4			7.2			8.7		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	167.7	24.5	24.5	30.1	30.1	7.7	7.8	91.4	91.4	6.4	6.4	6.4	7.8	7.7		9.8	9.7	
						0.4	167.7	24.5		30.1		7.8		91.4		6.4			7.6			9.6		
F1	Misty	Rough	14:57	17.6	S	0.1	196.0	23.4	23.4	34.1	34.1	8.2	8.2	91.3	91.3	6.4	6.4	6.4	6.1	6.1	7.1	4.8	5.4	5.1
						0.1	194.0	23.4		34.1		8.2		91.2		6.4			6.1			6.0		
					M	0.1	199.0	23.4	23.4	34.2	34.2	8.2	8.2	91.1	91.2	6.4	6.4		7.1	7.1		5.3	5.5	
						0.1	193.0	23.4		34.2		8.2		91.2		6.4			7.1			5.6		
					B	0.1	182.0	23.4	23.4	34.2	34.2	8.2	8.2	92.3	92.4	6.5	6.5	6.5	8.0	8.0		4.3	4.5	
						0.1	181.0	23.3		34.2		8.2		92.5		6.5			8.1			4.7		
F2	Misty	Rough	14:31	22.6	S	0.1	115.0	23.4	23.4	34.1	34.1	8.2	8.2	92.4	92.4	6.5	6.5	6.5	5.4	5.5	6.2	4.0	3.9	4.3
						0.1	118.0	23.4		34.1		8.2		92.4		6.5			5.5			3.8		
					M	0.1	109.0	23.4	23.4	34.1	34.1	8.2	8.2	92.8	92.9	6.5	6.5		6.1	6.1		4.2	4.2	
						0.1	110.0	23.4		34.1		8.2		92.9		6.5			6.1			4.2		
					B	0.1	125.0	23.4	23.4	34.1	34.1	8.2	8.2	93.3	93.4	6.5	6.5	6.5	7.0	7.0		4.7	4.8	
						0.1	127.0	23.4		34.1		8.2		93.5		6.5			7.1			4.8		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/25** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Misty	Rough	12:45	15.2	S	0.1	139.0	23.4	23.4	34.1	34.1	8.2	8.2	93.8	93.9	6.6	6.6	6.6	1.1	1.1	2.4	4.3	4.7	5.1
						0.1	146.0	23.4		34.1		8.2		93.9		6.6			1.1			5.0		
					M	0.1	135.0	23.3	23.3	34.2	34.2	8.2	8.2	94.7	94.8	6.6	6.6		2.1	2.1		5.5	5.5	
						0.1	133.0	23.3		34.2		8.2		94.8		6.6			2.2			5.5		
					B	0.1	152.0	23.3	23.3	34.2	34.2	8.2	8.2	95.0	95.0	6.7	6.7		4.0	4.0		5.3	5.2	
						0.1	158.0	23.3		34.2		8.2		95.0		6.7			4.0			5.1		
F4	Misty	Moderate	14:20	13.8	S	0.2	89.0	23.3	23.3	34.3	34.3	8.3	8.3	98.9	98.9	6.9	6.9	6.9	2.3	2.4	2.6	4.4	4.0	4.4
						0.1	95.0	23.3		34.3		8.3		98.9		6.9			2.4			3.5		
					M	0.1	93.0	23.3	23.3	34.3	34.3	8.3	8.3	99.2	99.2	7.0	7.0		2.5	2.5		4.8	4.6	
						0.1	87.0	23.3		34.3		8.3		99.2		7.0			2.6			4.3		
					B	0.1	95.0	23.3	23.3	34.3	34.3	8.3	8.3	99.4	99.5	7.0	7.0	7.0	2.8	3.0		5.0	4.7	
						0.2	90.0	23.3		34.3		8.3		99.5		7.0			3.1			4.3		
F5	Misty	Moderate	11:56	5.0	S	0.2	37.0	23.2	23.2	34.5	34.5	8.3	8.3	99.9	99.9	7.0	7.0	7.0	3.2	3.3	3.6	5.4	5.7	6.2
						0.2	43.0	23.2		34.5		8.3		99.9		7.0			3.4			6.0		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	51.0	23.0	23.0	34.6	34.6	8.3	8.3	101.4	101.5	7.1	7.1	7.1	3.9	3.9		6.5	6.7	
						0.1	43.0	23.0		34.7		8.3		101.5		7.1			3.9			6.9		
F6	Cloudy	Calm	14:36	14.4	S	0.6	93.1	24.4	24.4	29.4	29.6	7.9	7.9	92.3	92.4	6.5	6.5	6.5	5.8	5.7	11.8	6.9	6.8	14.2
						0.1	100.7	24.4		29.8		7.9		92.5		6.5			5.5			6.7		
					M	0.7	72.9	24.3	24.2	29.8	29.8	7.9	7.9	91.9	91.9	6.5	6.5		7.8	7.9		6.9	7.5	
						0.5	146.1	24.2		29.9		7.9		91.9		6.5			8.0			8.1		
					B	1.0	93.0	24.1	24.1	31.0	30.9	7.9	7.9	92.3	92.3	6.5	6.5	6.5	21.3	21.8		27.8	28.2	
						1.0	123.2	24.1		30.8		7.9		92.2		6.5			22.2			28.5		
IM1	Misty	Rough	15:11	11.4	S	0.1	155.0	23.4	23.4	34.1	34.1	8.2	8.2	94.2	94.3	6.6	6.6	6.6	3.9	3.8	4.8	4.8	5.0	4.5
						0.1	155.0	23.4		34.1		8.2		94.3		6.6			3.8			5.1		
					M	0.1	142.0	23.4	23.4	34.1	34.1	8.2	8.2	94.3	94.3	6.6	6.6		4.9	4.9		4.5	4.3	
						0.1	145.0	23.4		34.1		8.2		94.2		6.6			4.8			4.1		
					B	0.1	180.0	23.4	23.4	34.1	34.1	8.2	8.2	94.0	93.9	6.6	6.6	6.6	5.7	5.7		3.9	4.2	
						0.1	185.0	23.4		34.1		8.2		93.8		6.6			5.7			4.4		
IM2	Misty	Rough	15:28	10.2	S	0.1	178.0	23.3	23.3	34.3	34.3	8.3	8.3	96.8	96.9	6.8	6.8	6.9	1.9	2.0	2.7	3.9	3.9	4.5
						0.1	177.0	23.3		34.3		8.3		97.0		6.8			2.0			3.9		
					M	0.1	202.0	23.0	23.0	34.5	34.5	8.3	8.3	100.8	101.0	7.1	7.1		2.7	2.7		4.2	3.6	
						0.1	201.0	22.9		34.6		8.3		101.1		7.1			2.8			2.9		
					B	0.1	190.0	22.7	22.7	34.7	34.8	8.3	8.3	101.4	101.5	7.2	7.2	7.2	3.3	3.4		6.0	6.1	
						0.2	186.0	22.7		34.8		8.3		101.5		7.2			3.4			6.1		
IM3	Misty	Rough	14:10	16.0	S	0.1	114.0	23.4	23.4	34.1	34.1	8.2	8.2	94.4	94.5	6.6	6.6	6.6	4.7	4.7	5.7	3.6	4.0	4.0
						0.1	115.0	23.4		34.1		8.2		94.5		6.6			4.6			4.3		
					M	0.1	108.0	23.4	23.4	34.1	34.1	8.2	8.2	94.9	95.0	6.6	6.6		5.8	5.8		3.8	4.0	
						0.1	100.0	23.4		34.1		8.2		95.1		6.7			5.9			4.1		
					B	0.1	110.0	23.4	23.4	34.1	34.1	8.2	8.2	96.2	96.8	6.7	6.8	6.8	6.7	6.7		4.1	4.2	
						0.1	114.0	23.4		34.1		8.2		97.3		6.8			6.7			4.3		
IM4	Misty	Rough	13:49	15.4	S	0.1	127.0	23.4	23.4	33.9	33.9	8.2	8.2	92.8	92.8	6.5	6.5	6.5	2.1	2.1	3.9	5.9	5.3	4.8
						0.1	128.0	23.4		33.9		8.2		92.8		6.5			2.1			4.6		
					M	0.1	119.0	23.4	23.4	33.9	33.9	8.2	8.2	93.0	93.1	6.5	6.5		3.8	3.9		4.2	4.5	
						0.1	112.0	23.4		33.9		8.2		93.1		6.5			3.9			4.7		
					B	0.1	119.0	23.4	23.4	33.9	33.9	8.2	8.2	93.4	93.5	6.5	6.5	6.5	5.8	5.8		4.2	4.8	
						0.1	117.0	23.4		33.9		8.2		93.5		6.5			5.8			5.3		
IM5	Misty	Rough	13:32	14.2	S	0.1	78.0	23.4	23.4	33.9	34.0	8.2	8.2	96.1	96.3	6.7	6.7	6.8	2.3	2.3	3.3	4.7	4.9	4.5
						0.1	81.0	23.4		34.0		8.2		96.4		6.8			2.2			5.1		
					M	0.1	68.0	23.1	23.1	34.2	34.2	8.2	8.2	97.2	97.4	6.8	6.9		3.3	3.3		4.7	5.2	
						0.1	62.0	23.0		34.3		8.2		97.6		6.9			3.3			5.6		
					B	0.1	88.0	22.9	22.9	34.4	34.4	8.2	8.2	98.4	98.7	6.9	7.0	7.0	4.2	4.3		4.0	3.5	
						0.1	89.0	22.8		34.5		8.2		99.0		7.0			4.3			2.9		
IM6	Misty	Rough	13:03	14.8	S	0.1	92.0	23.4	23.4	34.1	34.1	8.2	8.2	95.1	95.3	6.7	6.7	6.7	2.8	2.8	3.6	3.1	3.5	4.1
						0.1	96.0	23.4		34.1		8.2		95.4		6.7			2.9			3.8		
					M	0.1	119.0	23.4	23.4	34.1	34.1	8.2	8.2	95.9	96.1	6.7	6.7		3.1	3.2		4.0	4.4	
						0.1	118.0	23.4		34.1		8.2		96.2		6.7			3.2			4.7		
					B	0.1	110.0	23.4	23.4	34.1	34.1	8.2	8.2	97.3	97.7	6.8	6.8	6.8	4.8	4.7		3.8	4.6	
						0.1	110.0	23.4		34.1		8.2		98.0		6.9			4.7			5.3		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/25** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Misty	Rough	12:17	12.4	S	0.1	265.0	23.4	23.4	34.1	34.1	8.2	8.2	95.0	95.1	6.7	6.7	6.7	1.7	1.7	2.4	4.0	4.1	3.8
						0.1	266.0	23.4		34.1		8.2		95.1		6.7			1.6			4.2		
					M	0.1	267.0	23.4	23.4	34.1	34.1	8.2	8.2	95.1	95.1	6.7	6.7		2.6	2.6		3.1	3.4	
						0.1	268.0	23.4		34.1		8.2		95.0		6.7			2.7			3.6		
					B	0.1	262.0	23.4	23.4	34.0	34.0	8.2	8.2	94.8	94.8	6.6	6.6	6.6	3.1	3.1		4.0	4.0	
						0.1	258.0	23.4		34.0		8.2		94.8		6.6			3.0			3.9		
IM8	Misty	Rough	12:25	13.8	S	0.1	143.0	23.4	23.4	34.1	34.1	8.2	8.2	96.4	96.5	6.8	6.8	6.8	2.5	2.4	3.3	4.4	3.9	4.3
						0.1	144.0	23.4		34.1		8.2		96.6		6.8			2.4			3.4		
					M	0.1	130.0	23.4	23.4	34.1	34.1	8.2	8.2	97.2	97.3	6.8	6.8		3.6	3.5		4.3	4.5	
						0.1	136.0	23.4		34.1		8.2		97.4		6.8			3.5			4.6		
					B	0.1	122.0	23.3	23.3	34.1	34.1	8.2	8.2	98.4	98.9	6.9	6.9	6.9	4.1	4.0		4.0	4.5	
						0.1	126.0	23.3		34.1		8.2		99.4		7.0			4.0			5.0		
IM9	Misty	Rough	11:59	14.6	S	0.1	304.0	23.4	23.4	34.1	34.1	8.2	8.2	96.6	96.7	6.8	6.8	6.8	2.1	2.1	3.2	3.5	3.9	4.1
						0.1	309.0	23.4		34.1		8.2		96.8		6.8			2.2			4.2		
					M	0.1	283.0	23.4	23.4	34.1	34.1	8.2	8.2	97.5	97.7	6.8	6.8		3.4	3.5		4.3	4.0	
						0.2	277.0	23.3		34.1		8.2		97.8		6.9			3.5			3.6		
					B	0.1	293.0	23.3	23.3	34.1	34.1	8.2	8.2	98.8	99.2	6.9	6.9	6.9	3.9	4.0		4.1	4.6	
						0.2	291.0	23.3		34.0		8.2		99.5		7.0			4.0			5.1		
IM10	Misty	Moderate	13:37	10.6	S	0.1	48.0	23.3	23.3	34.4	34.4	8.3	8.3	99.1	99.2	6.9	6.9	7.0	2.3	2.3	2.3	3.8	3.9	4.2
						0.1	55.0	23.3		34.4		8.3		99.2		7.0			2.3			4.0		
					M	0.1	40.0	23.2	23.2	34.4	34.4	8.3	8.3	99.3	99.3	7.0	7.0		2.4	2.3		3.9	4.1	
						0.2	38.0	23.2		34.4		8.3		99.3		7.0			2.3			4.2		
					B	0.1	36.0	23.2	23.2	34.4	34.4	8.3	8.3	99.3	99.4	7.0	7.0	7.0	2.3	2.3		4.3	4.7	
						0.1	41.0	23.2		34.4		8.3		99.4		7.0			2.3			5.0		
IM11A	Misty	Moderate	13:24	4.8	S	0.2	143.0	23.2	23.2	34.5	34.4	8.3	8.3	99.9	99.9	7.0	7.0	7.0	4.4	4.4	7.8	4.2	4.8	5.0
						0.2	148.0	23.2		34.4		8.3		99.9		7.0			4.5			5.3		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.2	174.0	23.3	23.3	34.4	34.3	8.3	8.3	99.9	99.9	7.0	7.0	7.0	5.6	11.2		5.4	5.2	
						0.2	168.0	23.3		34.3		8.3		99.9		7.0			16.9			4.9		
IM12	Misty	Moderate	13:17	14.2	S	0.3	153.0	23.2	23.2	34.5	34.5	8.3	8.3	100.2	100.3	7.0	7.0	7.1	5.2	5.3	6.0	4.0	4.4	4.8
						0.3	157.0	23.2		34.5		8.3		100.3		7.0			5.5			4.7		
					M	0.3	147.0	23.2	23.2	34.5	34.5	8.3	8.3	101.1	101.2	7.1	7.1		6.1	6.1		5.4	5.4	
						0.3	153.0	23.1		34.5		8.3		101.3		7.1			6.2			5.3		
					B	0.3	137.0	22.8	22.8	34.8	34.8	8.3	8.3	101.7	101.7	7.2	7.2	7.2	6.7	6.7		4.9	4.8	
						0.3	133.0	22.7		34.9		8.3		101.7		7.2			6.7			4.6		
IM13	Misty	Moderate	12:49	16.4	S	0.1	22.0	23.3	23.3	34.4	34.4	8.3	8.3	99.9	99.9	7.0	7.0	7.0	3.0	3.1	11.7	5.0	5.3	5.3
						0.1	17.0	23.3		34.4		8.3		99.9		7.0			3.1			5.6		
					M	0.1	6.0	23.3	23.3	34.4	34.4	8.3	8.3	99.8	99.8	7.0	7.0		3.2	3.3		5.7	5.8	
						0.1	5.0	23.3		34.4		8.3		99.7		7.0			3.3			5.8		
					B	0.1	355.0	23.3	23.3	34.4	34.4	8.3	8.3	99.7	99.7	7.0	7.0	7.0	3.0	28.8		5.3	4.9	
						0.1	350.0	23.3		34.4		8.3		99.6		7.0			54.5			4.4		
IM14	Misty	Moderate	12:36	10.8	S	0.1	217.0	23.2	23.2	34.5	34.5	8.3	8.3	100.0	100.0	7.0	7.0	7.0	2.8	2.9	3.2	4.0	4.5	4.2
						0.1	214.0	23.2		34.5		8.3		100.0		7.0			3.0			5.0		
					M	0.1	236.0	23.2	23.2	34.5	34.5	8.4	8.4	100.1	100.1	7.0	7.0		3.1	3.2		4.0	3.9	
						0.1	229.0	23.2		34.5		8.4		100.1		7.0			3.2			3.8		
					B	0.1	229.0	23.2	23.2	34.5	34.5	8.4	8.4	100.0	100.1	7.0	7.0	7.0	3.6	3.6		4.1	4.3	
						0.1	223.0	23.2		34.5		8.4		100.1		7.0			3.7			4.4		
IM15	Cloudy	Calm	14:08	8.7	S	0.8	254.1	24.3	24.3	31.0	31.0	7.9	7.9	94.8	94.9	6.7	6.7	6.7	6.4	6.0	9.0	7.0	6.6	12.5
						0.8	254.1	24.4		30.9		7.9		95.0		6.7			5.5			6.2		
					M	0.7	174.1	24.0	24.0	31.4	31.4	8.0	8.0	94.8	94.7	6.7	6.7		8.5	8.4		9.2	8.9	
						0.7	174.1	23.9		31.5		8.0		94.6		6.7			8.3			8.5		
					B	0.3	112.9	23.8	23.8	31.6	31.6	7.9	7.9	94.1	94.1	6.6	6.6	6.6	12.7	12.6		13.7	22.0	
						0.6	131.4	23.8		31.6		8.0		94.1		6.6			12.4			30.2		
IM16A	Cloudy	Calm	13:44	8.3	S	0.6	187.2	24.3	24.3	30.8	30.8	7.9	7.9	96.5	96.6	6.8	6.8	6.7	8.3	8.2	9.2	8.4	8.1	10.1
						0.6	187.2	24.3		30.8		7.9		96.6		6.8			8.1			7.8		
					M	0.4	116.5	24.2	24.2	31.2	31.1	7.9	7.9	95.6	95.6	6.7	6.7		10.3	10.3		11.7	11.9	
						0.4	116.5	24.2		31.1		8.0		95.6		6.7			10.2			12.1		
					B	0.3	3.1	24.0	24.0	31.5	31.5	7.9	7.9	96.0	96.0	6.8	6.8	6.8	9.0	9.2		10.5	10.4	
						0.3	338.7	24.0		31.5		7.9		96.0		6.8			9.3			10.3		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/25** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	13:26	5.9	S	0.6	241.2	24.3	24.4	30.4	30.3	7.9	7.9	90.7	90.9	6.4	6.4	6.5	9.5	8.9	9.0	10.7	11.3	10.8
						0.6	241.2	24.4		30.3		7.9		91.1		6.4			8.2			11.9		
					M	0.9	102.8	24.1	24.1	30.9	30.9	7.9	7.9	93.0	93.0	6.6	6.5		9.3	9.4		9.7	10.0	
						0.2	98.7	24.1		31.0		7.9		92.9		6.5			9.5			10.3		
					B	0.5	42.8	24.0	24.0	31.1	31.0	7.9	7.9	93.3	93.4	6.6	6.6	6.6	8.6	8.6		10.8	11.1	
						0.4	49.5	24.0		31.0		7.9		93.4		6.6			8.6			11.3		
IM18	Cloudy	Calm	13:15	17.8	S	0.2	107.8	24.3	24.3	30.6	30.6	7.9	7.9	90.6	90.5	6.4	6.4	6.4	7.3	7.2	10.3	8.2	9.4	13.0
						0.2	107.8	24.3		30.6		7.9		90.4		6.4			7.1			10.5		
					M	0.4	114.7	24.1	24.1	31.1	31.1	7.9	7.9	91.2	91.2	6.4	6.4		8.8	8.8		11.8	11.3	
						0.1	120.7	24.2		31.1		7.9		91.2		6.4			8.8			10.8		
					B	0.6	27.9	24.1	24.1	31.2	31.2	7.9	7.9	92.3	92.3	6.5	6.5	6.5	14.2	14.8		18.6	18.2	
						0.2	166.1	24.1		31.2		7.9		92.2		6.5			15.4			17.8		
IM19	Cloudy	Calm	11:55	18.7	S	0.2	327.8	24.6	24.5	29.7	29.7	7.7	7.7	90.6	90.5	6.4	6.4	6.4	7.4	7.4	8.9	8.1	7.7	10.3
						0.2	327.8	24.5		29.7		7.7		90.4		6.4			7.3			7.3		
					M	0.4	42.9	24.3	24.3	30.5	30.5	7.8	7.8	90.7	90.7	6.4	6.4		8.8	8.7		10.3	10.6	
						0.7	12.2	24.3		30.5		7.8		90.6		6.4			8.5			10.9		
					B	0.3	116.5	24.3	24.3	30.7	30.7	7.7	7.7	90.7	90.4	6.4	6.3	6.3	10.8	10.6		12.8	12.6	
						0.4	12.8	24.3		30.7		7.7		90.0		6.3			10.4			12.4		
IM20A	Cloudy	Calm	12:22	7.0	S	0.4	149.1	25.2	25.2	30.0	30.0	7.8	7.8	92.4	92.5	6.4	6.4	6.4	6.5	6.5	6.4	8.4	8.0	7.5
						0.4	149.1	25.2		30.0		7.8		92.5		6.4			6.5			7.6		
					M	0.4	214.2	24.7	24.6	30.0	30.0	7.8	7.8	92.4	92.3	6.5	6.5		6.5	6.4		8.3	7.7	
						1.7	172.1	24.6		30.0		7.8		92.1		6.5			6.2			7.0		
					B	0.4	123.3	24.8	24.8	30.0	30.0	7.8	7.8	92.2	92.8	6.5	6.5	6.5	6.4	6.4		7.1	6.9	
						0.5	124.3	24.7		30.0		7.8		93.4		6.5			6.4			6.6		
IM21A	Cloudy	Calm	12:14	7.0	S	0.6	155.8	24.8	24.8	29.9	29.9	7.8	7.8	90.9	90.9	6.4	6.4	6.4	7.5	7.5	7.4	8.0	7.9	8.3
						0.6	239.0	24.8		29.9		7.8		90.9		6.4			7.5			7.7		
					M	0.7	212.7	24.7	24.7	30.0	30.0	7.8	7.8	90.9	91.0	6.4	6.4		7.3	7.3		8.4	8.4	
						0.4	223.2	24.8		30.0		7.8		91.0		6.4			7.3			8.4		
					B	0.8	227.7	24.6	24.6	30.0	30.0	7.8	7.8	91.1	91.0	6.4	6.4	6.4	7.1	7.3		7.9	8.7	
						0.6	211.4	24.6		30.0		7.8		90.8		6.4			7.4			9.4		
IM22A	Cloudy	Calm	12:08	5.3	S	1.0	183.2	25.8	25.8	30.1	30.1	7.8	7.8	93.6	93.6	6.4	6.4	6.4	12.8	12.8	12.5	15.7	15.3	15.2
						1.0	183.2	25.8		30.1		7.8		93.5		6.4			12.8			14.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.0	263.0	25.8	25.8	30.1	30.1	7.7	7.7	93.5	93.6	6.4	6.4	6.4	11.9	12.3		15.1	15.2	
						1.2	221.4	25.8		30.1		7.8		93.7		6.4			12.6			15.3		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/28** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Sunny	Moderate	13:08	11.3	S	0.1	8.0	23.4	23.4	31.1	31.1	8.1	8.1	90.2	90.3	6.4	6.4	6.4	2.6	2.6	5.2	5.2	5.2	5.1
						0.1	2.0	23.4		31.1		8.1		90.3		6.4			2.6			5.1		
					M	0.2	19.0	23.1	23.1	31.4	31.4	8.2	8.2	89.1	89.1	6.4	6.4		3.3	3.3		4.4	4.3	
						0.2	12.0	23.1		31.4		8.2		89.1		6.4			3.3			4.2		
					B	0.2	348.0	22.8	22.8	31.8	31.8	8.2	8.2	90.3	90.3	6.5	6.5	6.5	9.8	9.8		5.4	5.8	
						0.3	345.0	22.8		31.8		8.2		90.3		6.5			9.9			6.2		
E2	Cloudy	Moderate	12:22	9.2	S	0.1	268.0	23.4	23.4	31.0	31.0	8.0	8.0	98.4	98.4	7.0	7.0	6.9	7.0	7.0	8.7	3.1	3.9	3.9
						0.1	263.0	23.4		31.0		8.0		98.3		7.0			7.0			4.6		
					M	0.1	279.0	23.2	23.3	31.0	31.0	8.0	8.0	95.7	95.7	6.8	6.8		8.7	8.7		4.4	4.2	
						0.1	283.0	23.3		31.0		8.0		95.7		6.8			8.7			3.9		
					B	0.1	281.0	23.1	23.1	31.0	31.0	8.0	8.0	90.8	90.8	6.5	6.5	6.5	10.4	10.4		3.1	3.8	
						0.2	274.0	23.1		31.0		8.0		90.8		6.5			10.4			4.4		
E3	Cloudy	Moderate	11:31	15.7	S	0.6	320.0	23.4	23.4	31.0	31.0	8.0	8.0	98.8	98.8	7.0	7.0	7.0	7.2	7.2	7.5	4.2	5.1	5.6
						0.6	324.0	23.4		31.0		8.0		98.8		7.0			7.2			6.0		
					M	0.6	323.0	23.4	23.4	31.0	31.0	8.0	8.0	98.3	98.3	7.0	7.0		8.3	8.3		4.6	5.1	
						0.6	325.0	23.4		31.0		8.0		98.3		7.0			8.3			5.5		
					B	0.6	285.0	23.3	23.3	31.0	31.0	8.0	8.0	95.1	95.1	6.8	6.8	6.8	6.8	6.8		6.0	6.6	
						0.6	286.0	23.3		31.0		8.0		95.1		6.8			6.9			7.2		
E4	Cloudy	Moderate	09:42	10.3	S	0.3	27.0	23.2	23.2	30.0	30.0	8.1	8.1	93.4	93.4	6.7	6.7	6.7	5.1	5.1	5.3	5.5	5.0	5.2
						0.3	21.0	23.2		30.0		8.1		93.4		6.7			5.1			4.4		
					M	0.3	18.0	23.2	23.2	30.3	30.3	8.1	8.1	92.6	92.6	6.6	6.6		5.4	5.4		4.8	5.3	
						0.3	12.0	23.2		30.3		8.1		92.6		6.6			5.4			5.7		
					B	0.3	16.0	23.1	23.1	30.4	30.4	8.1	8.1	92.4	92.4	6.6	6.6	6.6	5.3	5.3		5.2	5.3	
						0.3	14.0	23.1		30.4		8.1		92.4		6.6			5.3			5.4		
E5	Cloudy	Calm	09:30	6.0	S	0.1	214.2	24.3	24.3	29.4	29.4	7.8	7.8	87.8	87.8	6.2	6.2	6.2	26.9	26.9	36.3	31.3	31.0	40.3
						0.4	346.1	24.3		29.4		7.8		87.7		6.2			26.8			30.7		
					M	0.2	273.8	24.3	24.3	29.4	29.4	7.8	7.8	88.2	88.2	6.2	6.2		39.7	39.7		35.8	35.4	
						0.3	41.2	24.3		29.4		7.8		88.1		6.2			39.7			34.9		
					B	0.4	28.1	24.3	24.3	29.4	29.4	7.7	7.7	88.2	88.3	6.2	6.2	6.2	39.6	42.4		54.0	54.7	
						0.8	1.4	24.3		29.5		7.7		88.3		6.3			45.1			55.3		
E6	Cloudy	Calm	10:45	6.0	S	0.7	13.2	24.5	24.5	27.3	27.3	7.8	7.8	85.0	85.1	6.1	6.1	6.0	25.3	25.4	33.2	46.5	46.8	37.4
						0.5	354.7	24.5		27.3		7.8		85.1		6.1			25.4			47.1		
					M	0.7	344.7	24.4	24.4	27.6	27.6	7.8	7.8	84.3	84.3	6.0	6.0		36.0	36.0		38.4	38.5	
						0.4	339.2	24.4		27.6		7.8		84.3		6.0			36.0			38.5		
					B	0.4	131.0	24.4	24.4	27.7	27.7	7.8	7.8	84.4	84.3	6.0	6.0	6.0	38.3	38.2		27.6	27.0	
						0.6	330.8	24.4		27.7		7.8		84.2		6.0			38.0			26.4		
E7A	Cloudy	Calm	11:03	4.0	S	1.1	73.9	24.5	24.5	26.0	25.9	7.8	7.8	83.7	84.1	6.0	6.0	6.0	14.3	14.3	14.1	14.6	14.2	13.8
						1.1	73.9	24.5		25.9		7.8		84.4		6.1			14.3			13.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.2	62.3	24.6	24.5	25.9	26.0	7.8	7.8	84.8	84.6	6.1	6.1	6.1	13.2	14.0		12.7	13.3	
						0.2	62.3	24.4		26.1		7.8		84.4		6.1			14.7			13.9		
F1	Sunny	Moderate	12:16	17.5	S	0.2	310.0	24.3	24.3	32.0	32.0	8.2	8.2	97.4	97.4	6.8	6.8	6.8	3.6	3.6	4.6	2.0	2.5	2.5
						0.1	314.0	24.3		32.0		8.2		97.4		6.8			3.6			2.9		
					M	0.2	298.0	23.0	23.0	32.1	32.1	8.2	8.2	95.7	95.7	6.8	6.8		3.4	3.4		2.3	2.2	
						0.2	302.0	23.0		32.1		8.2		95.6		6.8			3.4			2.0		
					B	0.2	305.0	22.7	22.7	32.2	32.2	8.3	8.3	95.3	95.3	6.8	6.8	6.8	6.7	6.7		2.1	3.0	
						0.2	306.0	22.7		32.2		8.3		95.3		6.8			6.7			3.9		
F2	Sunny	Moderate	11:47	22.4	S	0.1	294.0	23.0	23.0	32.2	32.2	8.3	8.3	97.2	97.2	6.9	6.9	6.9	3.6	3.6	6.4	2.4	2.6	2.8
						0.1	298.0	23.0		32.2		8.3		97.1		6.9			3.6			2.8		
					M	0.2	292.0	22.7	22.7	32.2	32.2	8.3	8.3	95.3	95.3	6.8	6.8		6.4	6.4		3.5	3.6	
						0.2	286.0	22.7		32.2		8.3		95.3		6.8			6.4			3.7		
					B	0.1	317.0	22.7	22.7	32.2	32.2	8.3	8.3	95.1	95.2	6.8	6.8	6.8	9.0	9.1		2.1	2.3	
						0.1	313.0	22.7		32.2		8.3		95.2		6.8			9.1			2.5		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/28** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Sunny	Rough	10:07	16.2	S	0.2	289.0	23.2	23.2	31.7	31.7	8.2	8.2	92.1	92.1	6.6	6.6	6.5	2.3	2.3	2.5	3.3	3.7	5.0
						0.2	292.0	23.2		31.7		8.2		92.1		6.6			2.3			4.1		
					M	0.2	289.0	22.8	22.8	31.8	31.8	8.2	8.2	91.1	91.2	6.5	6.5		2.7	2.7		5.8	5.4	
						0.2	295.0	22.8		31.8		8.2		91.2		6.5			2.7			4.9		
					B	0.2	287.0	22.7	22.7	32.0	32.0	8.2	8.2	93.7	93.8	6.7	6.7	6.7	2.5	2.5		5.2	6.1	
						0.2	294.0	22.7		32.0		8.2		93.8		6.7			2.5			6.9		
F4	Cloudy	Moderate	12:00	13.6	S	0.4	289.0	23.4	23.4	31.0	31.0	8.1	8.1	98.7	98.7	7.0	7.0	7.0	5.6	5.6	6.4	4.9	5.0	4.3
						0.4	293.0	23.4		31.0		8.1		98.7		7.0			5.6			5.1		
					M	0.3	280.0	23.4	23.4	31.0	31.0	8.1	8.1	98.1	98.1	7.0	7.0		6.2	6.2		5.4	4.9	
						0.3	280.0	23.4		31.0		8.1		98.1		7.0			6.2			4.4		
					B	0.4	273.0	23.4	23.4	31.0	31.0	8.1	8.1	95.7	95.7	6.8	6.8	6.8	7.3	7.3		2.9	3.1	
						0.4	268.0	23.4		31.0		8.1		95.7		6.8			7.4			3.2		
F5	Cloudy	Moderate	09:21	5.6	S	0.1	338.0	23.1	23.1	30.4	30.4	8.1	8.1	91.8	91.8	6.6	6.6	6.6	5.8	5.8	6.9	3.7	3.0	3.5
						0.1	345.0	23.1		30.4		8.1		91.8		6.6			5.8			2.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	6.0	23.2	23.2	30.6	30.6	8.1	8.1	90.7	90.7	6.5	6.5	6.5	8.0	8.0		4.6	4.1	
						0.1	0.0	23.2		30.6		8.1		90.7		6.5			8.0			3.6		
F6	Cloudy	Calm	12:09	14.0	S	0.3	112.3	24.7	24.7	28.6	28.6	7.9	7.9	89.3	89.3	6.3	6.3	6.3	7.6	7.6	23.5	7.8	8.6	28.9
						0.3	112.3	24.7		28.6		7.9		89.3		6.3			7.6			9.4		
					M	0.5	314.4	24.4	24.4	28.9	28.8	7.8	7.8	87.6	87.5	6.2	6.2		15.1	14.4		14.3	15.1	
						0.1	272.8	24.4		28.8		7.8		87.3		6.2			13.6			15.9		
					B	0.4	346.1	24.2	24.2	30.2	30.2	7.8	7.8	88.5	88.5	6.3	6.2	6.2	49.5	48.5		64.1	62.9	
						1.1	272.2	24.2		30.2		7.8		88.4		6.2			47.5			61.7		
IM1	Sunny	Moderate	12:33	10.6	S	0.1	41.0	23.4	23.4	31.8	31.8	8.2	8.2	92.8	92.8	6.6	6.6	6.6	6.1	6.1	6.2	4.9	4.1	3.3
						0.1	40.0	23.4		31.8		8.2		92.8		6.6			6.1			3.2		
					M	0.1	31.0	23.3	23.3	31.8	31.8	8.2	8.2	93.1	93.1	6.6	6.6		6.8	6.8		3.6	3.5	
						0.1	28.0	23.3		31.8		8.2		93.1		6.6			6.8			3.3		
					B	0.1	24.0	23.1	23.1	32.0	32.0	8.2	8.2	94.7	94.7	6.8	6.8	6.8	5.6	5.6		2.1	2.4	
						0.1	24.0	23.1		32.0		8.2		94.7		6.8			5.7			2.7		
IM2	Sunny	Moderate	12:49	10.1	S	0.3	1.0	23.4	23.4	31.7	31.7	8.2	8.2	91.5	91.6	6.5	6.5	6.6	3.9	4.0	5.6	2.6	2.4	3.0
						0.3	5.0	23.3		31.7		8.2		91.6		6.5			4.0			2.1		
					M	0.3	9.0	23.0	23.0	32.0	32.0	8.2	8.2	93.3	93.3	6.7	6.7		4.9	4.9		2.6	3.2	
						0.3	15.0	23.0		32.0		8.2		93.3		6.7			4.9			3.7		
					B	0.3	19.0	22.7	22.7	32.1	32.1	8.2	8.2	92.3	92.3	6.6	6.6	6.6	7.9	7.9		3.7	3.5	
						0.4	18.0	22.7		32.1		8.2		92.3		6.6			7.9			3.2		
IM3	Sunny	Moderate	11:26	12.4	S	0.2	272.0	22.7	22.7	32.2	32.2	8.3	8.3	96.8	96.8	6.9	6.9	6.9	3.3	3.3	3.5	2.4	2.8	2.8
						0.1	274.0	22.7		32.2		8.3		96.8		6.9			3.3			3.2		
					M	0.2	262.0	22.6	22.6	32.2	32.2	8.3	8.3	96.6	96.6	6.9	6.9		3.4	3.5		2.7	2.8	
						0.2	257.0	22.6		32.2		8.3		96.6		6.9			3.5			2.9		
					B	0.2	263.0	22.6	22.6	32.2	32.2	8.3	8.3	96.2	96.2	6.9	6.9	6.9	3.6	3.6		2.5	2.9	
						0.2	263.0	22.6		32.2		8.3		96.2		6.9			3.6			3.2		
IM4	Sunny	Moderate	11:06	15.3	S	0.4	282.0	22.9	22.9	32.2	32.2	8.3	8.3	97.1	97.1	6.9	6.9	6.9	2.9	2.9	3.1	2.7	3.5	2.9
						0.4	278.0	22.9		32.2		8.3		97.1		6.9			2.9			4.2		
					M	0.3	279.0	22.7	22.7	32.2	32.2	8.3	8.3	96.4	96.4	6.9	6.9		3.1	3.1		2.9	2.7	
						0.3	285.0	22.7		32.2		8.3		96.4		6.9			3.1			2.5		
					B	0.3	263.0	22.7	22.7	32.2	32.2	8.3	8.3	95.7	95.7	6.9	6.9	6.9	3.3	3.3		2.7	2.6	
						0.3	262.0	22.7		32.2		8.3		95.7		6.9			3.3			2.5		
IM5	Sunny	Rough	10:48	14.1	S	0.2	279.0	23.2	23.2	32.1	32.1	8.2	8.2	96.7	96.7	6.9	6.9	6.8	1.9	2.0	2.4	4.2	4.2	4.9
						0.1	283.0	23.2		32.1		8.2		96.7		6.9			2.0			4.2		
					M	0.2	295.0	22.7	22.7	32.1	32.1	8.2	8.2	94.2	94.2	6.8	6.8		2.6	2.6		5.7	5.3	
						0.2	301.0	22.7		32.1		8.2		94.2		6.8			2.6			4.9		
					B	0.2	298.0	22.7	22.7	32.1	32.1	8.3	8.3	94.6	94.6	6.8	6.8	6.8	2.7	2.8		4.6	5.3	
						0.2	291.0	22.7		32.1		8.3		94.6		6.8			2.8			6.0		
IM6	Sunny	Rough	10:23	16.3	S	0.2	287.0	23.1	23.1	31.9	31.9	8.2	8.2	92.7	92.8	6.6	6.6	6.7	1.9	1.9	2.2	4.7	5.6	5.5
						0.2	293.0	23.1		31.9		8.2		92.8		6.6			1.9			6.5		
					M	0.2	284.0	22.8	22.8	32.0	32.0	8.2	8.2	93.6	93.7	6.7	6.7		2.3	2.3		4.8	5.4	
						0.2	279.0	22.8		32.0		8.2		93.7		6.7			2.4			6.0		
					B	0.2	299.0	22.6	22.6	32.2	32.2	8.3	8.3	95.2	95.2	6.8	6.8	6.8	2.4	2.5		4.9	5.4	
						0.2	293.0	22.6		32.2		8.3		95.2		6.8			2.5			5.9		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/28** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Sunny	Rough	09:41	11.7	S	0.2	280.0	23.3	23.3	31.6	31.6	8.1	8.1	91.6	91.6	6.5	6.5	6.5	1.9	1.9	2.6	3.4	3.1	3.5
						0.1	276.0	23.3		31.6		8.1		91.6		6.5			1.9			2.8		
					M	0.2	286.0	23.0	23.0	31.6	31.6	8.1	8.1	90.6	90.6	6.5	6.5		2.8	2.8		4.0	3.5	
						0.1	286.0	23.0		31.6		8.2		90.6		6.5			2.8			2.9		
					B	0.2	279.0	22.6	22.6	32.2	32.2	8.3	8.3	96.0	96.0	6.9	6.9	6.9	3.1	3.1		4.7	3.8	
						0.2	276.0	22.6		32.2		8.3		96.0		6.9			3.1			2.9		
IM8	Sunny	Rough	09:49	12.9	S	0.2	279.0	22.9	22.9	31.7	31.7	8.2	8.2	91.0	91.1	6.5	6.5	6.6	2.7	2.7	3.6	3.8	3.8	3.5
						0.2	274.0	22.9		31.7		8.2		91.1		6.5			2.7			3.7		
					M	0.2	278.0	22.8	22.8	31.9	31.9	8.2	8.2	92.3	92.3	6.6	6.6		2.5	2.5		3.0	3.0	
						0.2	270.0	22.8		31.9		8.2		92.3		6.6			2.6			3.0		
					B	0.2	275.0	22.6	22.6	32.2	32.2	8.3	8.3	94.1	94.1	6.8	6.8	6.8	5.6	5.6		4.1	3.8	
						0.2	269.0	22.6		32.2		8.3		94.1		6.8			5.6			3.4		
IM9	Sunny	Rough	09:19	13.1	S	0.3	288.0	23.2	23.2	31.5	31.5	8.1	8.1	91.0	91.0	6.5	6.5	6.5	2.1	2.1	2.6	2.9	3.3	3.3
						0.3	281.0	23.2		31.5		8.1		91.0		6.5			2.1			3.7		
					M	0.4	314.0	23.0	23.0	31.5	31.5	8.1	8.1	90.2	90.2	6.5	6.5		2.8	2.8		2.8	3.3	
						0.4	314.0	23.0		31.5		8.1		90.2		6.5			2.8			3.7		
					B	0.3	275.0	23.0	23.0	31.6	31.6	8.1	8.1	89.6	89.6	6.4	6.4	6.4	3.0	3.0		3.7	3.4	
						0.3	279.0	23.0		31.6		8.1		89.6		6.4			3.0			3.1		
IM10	Cloudy	Moderate	11:12	10.8	S	0.3	233.0	23.2	23.2	30.7	30.7	8.0	8.0	93.4	93.4	6.7	6.7	6.7	6.0	6.0	9.1	2.9	2.6	2.5
						0.3	238.0	23.2		30.7		8.0		93.4		6.7			6.1			2.2		
					M	0.3	245.0	23.2	23.2	30.9	30.9	8.0	8.0	93.5	93.5	6.7	6.7		6.9	6.9		2.5	2.3	
						0.3	245.0	23.2		30.9		8.0		93.5		6.7			6.8			2.0		
					B	0.4	252.0	23.2	23.2	31.0	31.0	8.0	8.0	93.2	93.2	6.6	6.6	6.6	14.4	14.4		2.5	2.7	
						0.3	256.0	23.2		31.0		8.0		93.2		6.6			14.4			2.9		
IM11A	Cloudy	Moderate	10:52	5.0	S	0.7	333.0	23.1	23.1	30.8	30.8	8.0	8.0	92.0	92.0	6.6	6.6	6.6	9.3	9.3	13.2	3.4	3.7	3.0
						0.7	338.0	23.1		30.8		8.0		92.0		6.6			9.3			3.9		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.8	328.0	23.1	23.1	30.8	30.8	8.0	8.0	91.6	91.6	6.6	6.6	6.6	17.1	17.1		2.2	2.4	
						0.7	329.0	23.1		30.8		8.0		91.5		6.6			17.2			2.6		
IM12	Cloudy	Moderate	10:39	14.7	S	0.7	344.0	23.2	23.2	30.2	30.2	8.0	8.0	91.5	91.5	6.6	6.6	6.6	12.6	12.6	12.7	2.3	2.9	3.0
						0.7	342.0	23.2		30.2		8.0		91.5		6.6			12.6			3.4		
					M	0.7	334.0	23.1	23.1	30.5	30.5	8.0	8.0	91.9	91.9	6.6	6.6		14.1	14.1		3.2	3.1	
						0.7	334.0	23.1		30.5		8.0		91.9		6.6			14.1			3.0		
					B	0.7	324.0	23.1	23.1	30.8	30.8	8.0	8.0	91.7	91.7	6.6	6.6	6.6	11.4	11.4		2.5	3.1	
						0.7	330.0	23.1		30.8		8.0		91.7		6.6			11.5			3.6		
IM13	Cloudy	Moderate	10:08	16.5	S	0.4	22.0	23.2	23.2	30.0	30.0	8.0	8.0	93.0	93.0	6.7	6.7	6.6	5.2	5.2	11.0	2.5	2.7	3.0
						0.4	19.0	23.2		30.0		8.0		93.0		6.7			5.2			2.8		
					M	0.4	18.0	23.2	23.2	30.3	30.3	8.0	8.0	91.2	91.2	6.5	6.5		12.4	12.4		2.8	2.9	
						0.4	19.0	23.2		30.3		8.0		91.2		6.5			12.4			3.0		
					B	0.5	2.0	23.2	23.2	30.3	30.3	8.0	8.0	90.0	90.0	6.5	6.5	6.5	15.3	15.3		4.0	3.4	
						0.4	355.0	23.2		30.3		8.0		90.0		6.5			15.3			2.8		
IM14	Cloudy	Moderate	09:55	10.8	S	0.4	19.0	23.3	23.3	29.6	29.6	8.0	8.0	93.8	93.8	6.7	6.7	6.6	4.9	4.9	8.2	2.5	3.1	2.8
						0.4	13.0	23.3		29.6		8.0		93.8		6.7			4.9			3.6		
					M	0.4	44.0	23.2	23.2	30.3	30.3	8.1	8.1	91.0	91.0	6.5	6.5		9.5	9.5		2.2	2.7	
						0.4	43.0	23.2		30.3		8.1		91.0		6.5			9.5			3.2		
					B	0.4	46.0	23.2	23.2	30.4	30.4	8.1	8.1	90.5	90.5	6.5	6.5	6.5	10.2	10.2		2.8	2.8	
						0.4	51.0	23.2		30.4		8.1		90.5		6.5			10.2			2.7		
IM15	Cloudy	Calm	09:20	7.0	S	0.8	297.0	24.3	24.3	28.9	28.9	7.8	7.8	88.6	88.7	6.3	6.3	6.3	24.2	23.8	24.8	31.6	30.7	29.8
						0.5	272.8	24.3		28.9		7.8		88.8		6.3			23.4			29.8		
					M	0.8	300.1	24.3	24.3	28.9	28.9	7.8	7.8	88.4	88.3	6.3	6.3		25.7	26.3		29.9	29.8	
						0.8	19.1	24.3		28.9		7.8		88.2		6.3			26.9			29.6		
					B	0.4	271.4	24.3	24.3	28.9	28.9	7.7	7.7	88.7	88.6	6.3	6.3	6.3	23.0	24.4		27.4	29.0	
						0.4	271.4	24.3		28.9		7.7		88.4		6.3			25.8			30.6		
IM16A	Cloudy	Calm	09:43	7.0	S	0.4	299.2	24.5	24.5	27.9	27.8	7.8	7.8	87.5	87.5	6.2	6.2	6.2	14.9	14.1	17.5	15.8	15.4	18.5
						0.4	299.2	24.5		27.8		7.8		87.4		6.2			13.3			15.0		
					M	0.5	181.7	24.4	24.4	28.6	28.6	7.8	7.8	88.3	88.3	6.3	6.3		19.8	19.7		21.4	21.1	
						0.2	311.4	24.4		28.6		7.8		88.2		6.3			19.5			20.8		
					B	0.6	357.0	24.4	24.4	28.2	28.5	7.8	7.8	88.1	88.1	6.3	6.3	6.3	18.5	18.7		18.4	19.1	
						0.9	346.2	24.4		28.8		7.8		88.1		6.3			18.8			19.8		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/28** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	10:03	4.6	S	1.6	351.1	24.4	24.4	27.7	27.7	7.8	7.8	86.2	86.2	6.2	6.2	6.2	13.7	13.5	18.5	10.6	11.2	13.6
						1.6	351.1	24.4		27.7		7.8		86.2		6.2			13.3			11.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	350.3	24.4	24.4	28.3	28.3	7.8	7.8	86.0	85.9	6.1	6.1	6.1	23.4	23.4		15.4	16.1	
						0.4	330.7	24.4		28.3		7.8		85.8		6.1			23.4			16.7		
IM18	Cloudy	Calm	10:14	17.0	S	0.7	173.7	24.4	24.4	27.5	27.5	7.8	7.8	85.6	85.7	6.1	6.1	6.1	17.1	17.3	24.0	16.4	16.3	26.2
						0.7	173.7	24.4		27.5		7.8		85.7		6.1			17.4			16.1		
					M	0.7	26.5	24.4	24.4	28.2	28.3	7.7	7.7	85.7	85.7	6.1	6.1		18.4	18.0		19.0	19.2	
						0.2	119.1	24.4		28.3		7.8		85.6		6.1			17.6			19.3		
					B	0.6	52.3	24.4	24.4	28.5	28.5	7.7	7.7	84.6	84.6	6.0	6.0	6.0	37.3	36.9		43.1	43.2	
						0.4	337.2	24.4		28.5		7.7		84.5		6.0			36.4			43.3		
IM19	Cloudy	Calm	10:26	17.0	S	0.6	239.4	24.5	24.5	26.6	26.6	7.8	7.8	85.7	85.8	6.1	6.1	6.2	13.8	13.8	20.4	13.7	13.6	23.3
						0.6	239.4	24.5		26.6		7.8		85.9		6.2			13.7			13.4		
					M	0.3	39.6	24.4	24.4	28.7	28.7	7.7	7.7	87.0	87.0	6.2	6.2		14.0	13.5		14.5	14.7	
						1.1	354.3	24.4		28.7		7.7		86.9		6.2			13.0			14.9		
					B	0.8	356.3	24.4	24.4	29.8	29.7	7.7	7.7	87.9	87.9	6.2	6.2	6.2	33.4	34.1		41.3	41.5	
						0.3	33.6	24.4		29.7		7.7		87.9		6.2			34.7			41.7		
IM20A	Cloudy	Calm	11:18	6.0	S	0.9	25.8	24.6	24.6	26.0	26.0	7.8	7.8	85.3	85.3	6.1	6.1	6.1	10.6	10.6	13.1	10.4	10.8	15.5
						0.9	25.8	24.6		26.1		7.8		85.2		6.1			10.5			11.1		
					M	0.3	29.4	24.6	24.6	27.2	27.2	7.8	7.8	86.6	86.5	6.2	6.2		12.8	12.5		14.2	13.8	
						0.7	58.8	24.6		27.2		7.8		86.4		6.2			12.2			13.4		
					B	0.7	53.7	24.5	24.5	28.1	28.1	7.7	7.7	87.7	87.7	6.2	6.2	6.2	16.1	16.1		22.3	22.0	
						0.4	10.2	24.5		28.2		7.7		87.7		6.2			16.1			21.6		
IM21A	Cloudy	Calm	11:25	6.0	S	0.9	67.9	26.3	26.3	27.5	27.5	7.8	7.8	92.7	92.5	6.4	6.4	6.4	16.6	16.6	16.8	19.1	19.4	19.4
						0.9	67.9	26.2		27.5		7.8		92.3		6.4			16.6			19.6		
					M	0.5	11.5	26.3	26.3	27.5	27.5	7.8	7.8	92.8	92.8	6.4	6.4		17.2	17.0		19.6	19.9	
						0.6	10.6	26.3		27.5		7.8		92.7		6.4			16.7			20.2		
					B	0.3	242.8	26.3	26.3	27.5	27.5	7.8	7.8	93.0	92.8	6.4	6.4	6.4	15.8	16.8		19.6	19.0	
						1.1	5.1	26.3		27.5		7.8		92.6		6.4			17.8			18.4		
IM22A	Cloudy	Calm	11:31	5.0	S	0.2	124.3	24.5	24.5	27.4	27.3	7.8	7.8	86.3	86.1	6.2	6.1	6.1	14.2	13.9	18.8	16.3	16.2	18.3
						0.6	107.5	24.5		27.2		7.8		85.8		6.1			13.6			16.1		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.2	150.1	24.6	24.5	28.4	28.4	7.8	7.7	87.7	87.6	6.2	6.2	6.2	23.8	23.7		19.8	20.3	
						0.4	150.7	24.5		28.4		7.7		87.5		6.2			23.5			20.8		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/28** **Tide: Ebb 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
E1	Fine	Moderate	01:36	12.1	S	0.3	133.0	23.1	23.1	30.7	30.7	8.2	8.2	87.2	87.2	6.3	6.3	6.2	3.7	3.7	4.2	4.8	5.3	6.0
						0.3	136.0	23.1		30.7		8.2		87.2		6.3			3.7			5.8		
					M	0.2	121.0	23.0	23.0	30.9	30.9	8.2	8.2	86.6	86.6	6.2	6.2		4.4	4.4		6.2	6.7	
						0.3	119.0	23.0		30.9		8.2		86.6		6.2			4.4			7.2		
					B	0.2	143.0	23.0	23.0	31.0	31.0	8.2	8.2	86.6	86.6	6.2	6.2	6.2	4.6	4.6		5.9	6.0	
						0.2	136.0	23.0		31.0		8.2		86.6		6.2			4.6			6.1		
E2	Cloudy	Moderate	02:19	9.6	S	0.2	70.0	23.0	23.0	31.0	31.0	8.1	8.1	86.9	86.9	6.2	6.2	6.1	5.5	5.5	5.5	5.3	4.8	3.6
						0.3	66.0	23.0		31.0		8.1		86.9		6.2			5.5			4.2		
					M	0.3	84.0	22.7	22.7	31.0	31.0	8.2	8.2	83.2	83.2	6.0	6.0		5.1	5.1		3.1	3.1	
						0.2	91.0	22.7		31.0		8.2		83.2		6.0			5.1			3.0		
					B	0.2	100.0	22.6	22.6	31.0	31.0	8.2	8.2	79.8	79.8	5.8	5.8	5.8	6.0	6.0		3.2	3.1	
						0.2	105.0	22.6		31.0		8.2		79.8		5.8			6.0			2.9		
E3	Cloudy	Moderate	03:06	15.0	S	0.9	111.0	22.9	22.9	31.0	31.0	8.1	8.1	87.5	87.5	6.3	6.3	6.3	4.6	4.6	4.9	4.5	3.8	3.6
						0.9	106.0	22.9		31.0		8.1		87.5		6.3			4.7			3.0		
					M	0.9	132.0	22.9	22.9	31.0	31.0	8.1	8.1	86.6	86.6	6.2	6.2		4.7	4.7		4.3	4.0	
						0.9	137.0	22.9		31.0		8.1		86.5		6.2			4.7			3.7		
					B	0.9	147.0	22.8	22.8	31.0	31.0	8.1	8.1	83.1	83.1	6.0	6.0	6.0	5.3	5.3		2.9	3.2	
						0.9	141.0	22.8		31.0		8.1		83.1		6.0			5.3			3.4		
E4	Cloudy	Moderate	04:17	12.4	S	1.1	199.0	22.8	22.8	30.0	30.0	8.1	8.1	83.7	83.7	6.1	6.1	6.0	4.8	4.8	9.9	2.9	2.7	3.9
						1.1	199.0	22.8		30.0		8.1		83.7		6.1			4.8			2.4		
					M	1.1	206.0	22.8	22.8	30.4	30.4	8.1	8.1	82.2	82.2	5.9	5.9		11.5	11.5		4.8	4.9	
						1.1	212.0	22.8		30.4		8.1		82.2		5.9			11.5			4.9		
					B	1.1	207.0	22.8	22.8	30.5	30.5	8.1	8.1	81.6	81.6	5.9	5.9	5.9	13.2	13.2		3.7	4.1	
						1.0	199.0	22.8		30.5		8.1		81.6		5.9			13.2			4.4		
E5	Cloudy	Calm	03:54	7.0	S	0.7	238.7	23.9	23.9	30.4	30.4	8.0	8.0	94.4	94.5	6.7	6.7	6.7	20.0	19.7	24.1	28.8	29.7	31.2
						0.4	191.3	23.9		30.4		8.0		94.6		6.7			19.4			30.5		
					M	0.5	204.8	23.9	23.9	30.4	30.4	8.0	8.0	94.5	94.5	6.7	6.7		23.3	23.5		31.8	30.6	
						0.8	152.7	23.9		30.4		8.0		94.4		6.7			23.6			29.4		
					B	0.8	222.1	23.9	23.9	30.4	30.4	8.0	8.0	94.4	94.4	6.7	6.7	6.7	29.2	29.0		34.2	33.2	
						0.4	223.4	23.9		30.4		8.0		94.3		6.7			28.8			32.2		
E6	Cloudy	Calm	02:43	7.1	S	0.8	126.0	24.4	24.4	29.1	29.1	7.9	7.9	90.4	90.4	6.4	6.4	6.4	8.9	9.0	18.4	8.9	9.0	27.8
						0.7	152.9	24.4		29.1		7.9		90.3		6.4			9.0			9.0		
					M	0.8	163.1	24.3	24.3	27.2	28.3	7.9	7.9	91.1	91.2	6.5	6.5		13.5	12.7		30.4	33.4	
						1.2	120.8	24.3		29.5		7.9		91.2		6.5			11.8			36.4		
					B	0.2	125.9	24.1	24.1	30.0	30.0	7.8	7.9	90.9	90.8	6.4	6.4	6.4	31.4	33.7		41.1	41.0	
						0.3	248.2	24.1		30.0		7.9		90.7		6.4			36.0			40.8		
E7A	Cloudy	Calm	02:26	5.0	S	1.2	242.0	24.4	24.4	28.8	28.8	7.8	7.8	88.4	88.5	6.3	6.3	6.3	6.2	6.2	6.2	7.2	7.3	6.6
						1.2	242.0	24.4		28.8		7.8		88.6		6.3			6.1			7.3		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.8	141.7	24.4	24.4	28.8	28.9	7.8	7.8	88.6	88.5	6.3	6.3	6.3	6.2	6.2		6.0	6.0	
						0.8	141.7	24.4		29.0		7.8		88.4		6.3			6.1			5.9		
F1	Fine	Moderate	02:20	19.2	S	0.3	118.0	23.0	23.0	31.5	31.5	8.1	8.1	87.5	87.5	6.3	6.3	6.2	3.1	3.1	4.7	4.7	4.3	2.6
						0.3	117.0	23.0		31.5		8.1		87.5		6.3			3.0			3.8		
					M	0.2	147.0	23.0	23.0	31.5	31.5	8.1	8.1	86.8	86.8	6.2	6.2		5.0	5.1		1.7	1.6	
						0.3	142.0	23.0		31.5		8.1		86.8		6.2			5.1			1.4		
					B	0.2	151.0	23.0	23.0	31.5	31.5	8.1	8.1	86.9	86.9	6.2	6.2	6.2	5.9	5.9		1.9	1.9	
						0.3	155.0	23.0		31.5		8.1		86.9		6.2			5.9			1.9		
F2	Fine	Moderate	02:46	24.3	S	0.3	110.0	23.0	23.0	31.5	31.5	8.1	8.1	88.7	88.7	6.3	6.3	6.3	2.7	2.8	3.7	1.4	1.5	1.9
						0.3	104.0	23.0		31.5		8.1		88.7		6.3			2.8			1.6		
					M	0.3	120.0	23.0	23.0	31.5	31.5	8.1	8.1	87.9	87.9	6.3	6.3		3.7	3.7		1.9	1.5	
						0.3	118.0	23.0		31.5		8.1		87.9		6.3			3.7			1.1		
					B	0.3	118.0	23.0	23.0	31.5	31.5	8.1	8.1	88.2	88.3	6.3	6.3	6.3	4.5	4.5		2.9	2.7	
						0.3	119.0	23.0		31.5		8.1		88.3		6.3			4.6			2.4		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/28** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Fine	Rough	04:13	18.9	S	0.4	123.0	23.2	23.2	31.4	31.4	8.1	8.1	90.5	90.5	6.5	6.5	6.5	2.4	2.4	4.3	4.2	4.1	4.3
						0.4	129.0	23.2		31.4		8.1		90.5		6.5			2.4			3.9		
					M	0.4	117.0	22.8	22.8	31.8	31.8	8.2	8.2	91.4	91.5	6.6	6.6		3.0	3.0		4.2	4.5	
						0.4	120.0	22.8		31.8		8.2		91.5		6.6			3.0			4.8		
					B	0.5	138.0	22.6	22.6	32.2	32.2	8.3	8.3	96.5	96.5	6.9	6.9	6.9	7.6	7.6		4.0	4.4	
						0.4	143.0	22.6		32.2		8.3		96.5		6.9			7.6			4.7		
F4	Cloudy	Moderate	02:43	14.2	S	0.6	100.0	23.0	23.0	31.0	31.0	8.0	8.0	89.2	89.2	6.4	6.4	6.4	7.2	7.2	7.1	2.9	3.0	3.4
						0.6	94.0	23.0		31.0		8.0		89.2		6.4			7.2			3.0		
					M	0.5	101.0	23.0	23.0	31.0	31.0	8.0	8.0	88.6	88.6	6.4	6.4		7.1	7.2		3.8	4.1	
						0.6	99.0	23.0		31.0		8.0		88.6		6.4			7.2			4.3		
					B	0.5	69.0	22.9	22.9	31.0	31.0	8.0	8.0	86.8	86.8	6.2	6.2	6.2	7.0	7.0		3.1	3.2	
						0.5	68.0	22.9		31.0		8.0		86.7		6.2			7.1			3.2		
F5	Cloudy	Moderate	04:44	5.5	S	0.6	216.0	22.9	22.9	29.7	29.7	8.0	8.0	83.5	83.5	6.0	6.0	6.0	5.4	5.4	5.2	4.6	4.1	3.3
						0.6	210.0	22.9		29.7		8.0		83.5		6.0			5.4			3.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.6	192.0	22.8	22.8	29.9	29.9	8.0	8.0	82.3	82.4	6.0	6.0	6.0	5.1	5.1		2.6	2.4	
						0.6	194.0	22.8		29.9		8.0		82.4		6.0			5.1			2.2		
F6	Cloudy	Calm	04:40	14.0	S	1.1	163.4	24.3	24.3	29.9	29.9	7.9	7.9	90.5	90.6	6.4	6.4	6.4	4.2	4.2	26.2	5.3	5.2	29.0
						1.1	163.4	24.3		29.9		7.9		90.6		6.4			4.2			5.1		
					M	0.8	167.5	24.3	24.3	29.9	29.9	7.9	7.9	90.1	90.0	6.4	6.4		7.4	7.7		4.9	5.1	
						1.7	159.3	24.3		30.0		7.9		89.8		6.3			7.9			5.3		
					B	1.0	100.3	24.2	24.2	30.4	30.4	7.9	7.9	88.5	88.5	6.2	6.2	6.2	66.6	66.7		81.8	76.7	
						0.7	102.8	24.2		30.4		7.9		88.4		6.2			66.8			71.6		
IM1	Fine	Moderate	02:05	11.6	S	0.2	176.0	23.0	23.0	31.5	31.5	8.1	8.1	87.9	87.9	6.3	6.3	6.4	3.6	3.6	4.8	2.2	2.1	1.9
						0.2	178.0	23.0		31.5		8.1		87.9		6.3			3.6			2.0		
					M	0.3	165.0	22.9	22.9	31.7	31.7	8.2	8.2	90.4	90.4	6.5	6.5		5.2	5.2		2.0	1.9	
						0.3	159.0	22.9		31.7		8.2		90.4		6.5			5.2			1.7		
					B	0.2	171.0	22.9	22.9	31.8	31.8	8.2	8.2	91.8	91.9	6.6	6.6	6.6	5.4	5.4		1.7	1.7	
						0.3	166.0	22.9		31.8		8.2		91.9		6.6			5.5			1.6		
IM2	Fine	Moderate	01:48	13.8	S	0.2	149.0	23.1	23.1	31.1	31.1	8.2	8.2	87.3	87.3	6.3	6.3	6.2	3.4	3.4	5.0	7.0	6.9	6.5
						0.2	142.0	23.1		31.1		8.2		87.3		6.3			3.4			6.8		
					M	0.2	182.0	23.0	23.0	31.2	31.2	8.2	8.2	86.6	86.6	6.2	6.2		4.7	4.7		6.0	5.8	
						0.1	185.0	23.0		31.2		8.2		86.6		6.2			4.7			5.6		
					B	0.2	159.0	23.0	23.0	31.2	31.2	8.2	8.2	86.5	86.5	6.2	6.2	6.2	7.0	7.0		6.2	6.8	
						0.2	160.0	23.0		31.2		8.2		86.5		6.2			7.0			7.3		
IM3	Fine	Rough	03:11	14.2	S	0.4	84.0	23.1	23.1	31.4	31.4	8.1	8.1	88.8	88.8	6.4	6.4	6.3	4.1	4.1	6.3	3.1	3.4	3.6
						0.4	85.0	23.1		31.4		8.1		88.8		6.4			4.1			3.7		
					M	0.4	94.0	23.0	23.0	31.4	31.4	8.1	8.1	87.2	87.2	6.2	6.2		7.3	7.3		3.7	3.5	
						0.4	96.0	23.0		31.4		8.1		87.2		6.2			7.3			3.3		
					B	0.3	87.0	22.8	22.8	31.9	31.9	8.2	8.2	87.3	87.3	6.3	6.3	6.3	7.4	7.4		4.4	3.9	
						0.3	94.0	22.8		31.9		8.2		87.3		6.3			7.4			3.4		
IM4	Fine	Rough	03:34	17.1	S	0.5	99.0	23.2	23.2	31.4	31.4	8.1	8.1	89.2	89.3	6.4	6.4	6.4	3.3	3.3	3.9	3.4	3.5	3.6
						0.5	102.0	23.2		31.4		8.1		89.3		6.4			3.4			3.6		
					M	0.4	120.0	23.1	23.1	31.3	31.3	8.1	8.1	88.5	88.5	6.3	6.3		3.8	3.8		3.2	3.6	
						0.5	121.0	23.1		31.3		8.1		88.5		6.3			3.9			3.9		
					B	0.4	113.0	23.1	23.1	31.3	31.3	8.1	8.1	88.3	88.3	6.3	6.3	6.3	4.4	4.5		4.1	3.6	
						0.4	117.0	23.0		31.3		8.1		88.3		6.3			4.5			3.1		
IM5	Fine	Rough	03:52	15.3	S	0.4	107.0	23.1	23.1	31.3	31.3	8.1	8.1	88.9	88.9	6.4	6.4	6.3	3.2	3.2	4.7	3.9	3.9	3.3
						0.4	108.0	23.1		31.3		8.1		88.9		6.4			3.2			3.8		
					M	0.4	91.0	23.0	23.0	31.5	31.5	8.1	8.1	87.6	87.6	6.3	6.3		4.5	4.5		3.1	3.1	
						0.4	89.0	23.0		31.5		8.1		87.6		6.3			4.5			3.1		
					B	0.4	129.0	22.6	22.6	32.1	32.1	8.2	8.2	92.1	92.1	6.6	6.6	6.6	6.4	6.5		2.5	2.9	
						0.4	123.0	22.6		32.1		8.2		92.1		6.6			6.5			3.2		
IM6	Fine	Rough	04:04	18.1	S	0.4	106.0	23.2	23.2	31.3	31.3	8.1	8.1	89.8	89.8	6.4	6.4	6.4	2.5	2.5	2.9	5.4	4.7	5.0
						0.4	111.0	23.2		31.3		8.1		89.8		6.4			2.5			4.0		
					M	0.4	108.0	23.0	23.0	31.5	31.5	8.1	8.1	88.5	88.5	6.3	6.3		3.4	3.4		5.5	4.9	
						0.4	103.0	23.0		31.5		8.1		88.5		6.3			3.4			4.2		
					B	0.4	99.0	22.7	22.7	32.0	32.0	8.2	8.2	93.3	93.3	6.7	6.7	6.7	2.9	2.9		5.5	5.3	
						0.4	92.0	22.7		32.0		8.2		93.3		6.7			2.9			5.1		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/28** **Tide: Ebb 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
IM7	Fine	Rough	04:31	13.6	S	0.4	113.0	23.2	23.2	31.4	31.4	8.1	8.1	90.1	90.1	6.4	6.4	6.4	2.2	2.2	2.5	5.1	5.2	5.1
						0.4	108.0	23.2		31.4		8.1		90.1		6.4			2.2			5.2		
					M	0.5	116.0	22.9	22.9	31.7	31.6	8.1	8.1	89.8	89.8	6.4	6.4		2.6	2.6		5.1	5.2	
						0.4	122.0	22.9		31.6		8.1		89.8		6.4			2.6			5.2		
					B	0.4	91.0	22.8	22.8	31.8	31.8	8.2	8.2	91.3	91.3	6.5	6.5	6.5	2.8	2.8		4.8	4.9	
						0.4	91.0	22.8		31.8		8.2		91.3		6.5			2.8			4.9		
IM8	Fine	Rough	04:39	12.2	S	0.4	119.0	23.6	23.6	31.4	31.4	8.1	8.1	90.9	90.9	6.4	6.4	6.4	1.8	1.8	2.7	4.2	4.2	4.9
						0.4	113.0	23.6		31.4		8.1		90.9		6.4			1.8			4.1		
					M	0.3	117.0	23.0	23.0	31.4	31.4	8.1	8.1	89.1	89.1	6.4	6.4		3.4	3.3		4.6	5.2	
						0.4	113.0	23.0		31.4		8.1		89.1		6.4			3.3			5.7		
					B	0.3	90.0	22.8	22.8	31.8	31.8	8.2	8.2	92.3	92.3	6.6	6.6	6.6	3.0	3.0		5.6	5.3	
						0.3	83.0	22.8		31.8		8.2		92.3		6.6			3.0			4.9		
IM9	Fine	Rough	05:04	13.5	S	0.7	132.0	23.2	23.2	31.5	31.5	8.2	8.2	91.3	91.3	6.5	6.5	6.5	2.8	2.8	3.3	4.9	5.1	5.4
						0.7	124.0	23.2		31.5		8.2		91.3		6.5			2.8			5.3		
					M	0.7	110.0	23.0	23.0	31.6	31.6	8.2	8.2	91.1	91.2	6.5	6.5		3.2	3.2		5.6	5.3	
						0.7	107.0	23.0		31.6		8.2		91.2		6.5			3.2			5.0		
					B	0.6	144.0	22.6	22.6	32.2	32.2	8.3	8.3	96.2	96.2	6.9	6.9	6.9	3.8	3.8		5.6	5.9	
						0.7	147.0	22.6		32.2		8.3		96.2		6.9			3.8			6.1		
IM10	Cloudy	Moderate	03:26	11.5	S	0.4	59.0	22.9	22.9	30.1	30.1	8.0	8.0	83.6	83.6	6.0	6.0	6.0	6.2	6.2	8.7	2.9	2.8	2.6
						0.4	52.0	22.9		30.1		8.0		83.6		6.0			6.2			2.6		
					M	0.4	74.0	22.9	22.9	30.9	30.9	8.0	8.0	83.8	83.8	6.0	6.0		6.6	6.6		3.0	2.9	
						0.4	80.0	22.9		30.9		8.0		83.8		6.0			6.6			2.8		
					B	0.4	59.0	22.8	22.8	31.1	31.1	8.0	8.0	83.4	83.4	6.0	6.0	6.0	13.2	13.2		2.4	2.3	
						0.4	54.0	22.8		31.1		8.0		83.4		6.0			13.2			2.1		
IM11A	Cloudy	Moderate	03:36	5.2	S	1.3	132.0	22.8	22.8	29.8	29.8	7.9	7.9	82.3	82.3	6.0	6.0	6.0	7.2	7.2	6.8	3.2	2.8	3.1
						1.3	137.0	22.8		29.8		7.9		82.3		6.0			7.2			2.4		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.4	150.0	22.8	22.8	30.5	30.5	8.0	8.0	83.1	83.1	6.0	6.0	6.0	6.3	6.3		3.4	3.3	
						1.4	143.0	22.8		30.5		8.0		83.1		6.0			6.3			3.2		
IM12	Cloudy	Moderate	03:43	13.8	S	1.2	144.0	22.8	22.8	29.8	29.8	8.1	8.1	83.9	83.9	6.1	6.1	6.1	5.7	5.7	10.5	3.8	3.3	3.2
						1.2	150.0	22.8		29.8		8.1		83.9		6.1			5.7			2.7		
					M	1.2	166.0	22.7	22.7	30.1	30.1	8.1	8.1	83.4	83.4	6.0	6.0		11.5	11.5		3.9	3.9	
						1.2	161.0	22.7		30.1		8.1		83.4		6.0			11.5			3.8		
					B	1.2	140.0	22.8	22.8	30.1	30.1	8.1	8.1	82.3	82.3	6.0	6.0	6.0	14.2	14.2		2.9	2.6	
						1.2	140.0	22.8		30.1		8.1		82.2		6.0			14.3			2.3		
IM13	Cloudy	Moderate	03:59	16.2	S	1.1	207.0	22.9	22.9	29.7	29.7	8.1	8.1	84.4	84.4	6.1	6.1	6.1	5.1	5.1	8.9	4.6	4.3	3.8
						1.2	204.0	22.9		29.7		8.1		84.4		6.1			5.1			3.9		
					M	1.2	176.0	22.7	22.7	30.1	30.1	8.1	8.1	83.6	83.6	6.1	6.1		10.5	10.5		3.3	3.6	
						1.2	169.0	22.7		30.1		8.1		83.6		6.1			10.5			3.9		
					B	1.1	172.0	22.7	22.7	30.1	30.1	8.1	8.1	83.1	83.1	6.0	6.0	6.0	11.1	11.1		3.4	3.5	
						1.2	170.0	22.7		30.1		8.1		83.1		6.0			11.2			3.6		
IM14	Cloudy	Moderate	04:08	9.8	S	0.9	217.0	22.8	22.8	30.0	30.0	8.1	8.1	84.5	84.5	6.1	6.1	6.1	5.1	5.1	5.5	3.8	4.1	4.1
						0.9	217.0	22.8		30.0		8.1		84.5		6.1			5.1			4.4		
					M	0.9	210.0	22.7	22.7	30.4	30.4	8.1	8.1	83.5	83.5	6.0	6.0		5.5	5.5		5.4	4.9	
						0.9	215.0	22.7		30.4		8.1		83.5		6.0			5.5			4.3		
					B	0.9	227.0	22.7	22.7	30.5	30.5	8.1	8.1	82.9	82.9	6.0	6.0	6.0	5.9	5.9		3.4	3.4	
						0.9	229.0	22.7		30.5		8.1		82.9		6.0			5.9			3.4		
IM15	Cloudy	Calm	04:07	7.0	S	1.6	221.4	23.9	23.9	30.5	30.5	8.0	8.0	95.7	95.3	6.8	6.7	6.7	10.6	10.9	13.6	10.0	10.8	16.1
						1.6	221.4	23.9		30.6		8.0		94.8		6.7			11.2			11.6		
					M	1.0	188.1	23.9	23.9	30.7	30.7	8.0	8.0	95.1	95.1	6.7	6.7		15.6	14.9		19.1	20.7	
						0.3	11.4	23.9		30.7		8.0		95.0		6.7			14.1			22.2		
					B	0.9	198.8	23.9	23.9	30.7	30.7	8.0	8.0	95.6	95.3	6.8	6.7	6.7	14.7	15.1		17.9	17.0	
						0.6	162.3	23.9		30.7		8.0		95.0		6.7			15.5			16.0		
IM16A	Cloudy	Calm	03:39	8.0	S	0.4	197.5	23.9	23.9	29.9	29.9	8.0	8.0	94.5	94.2	6.7	6.7	6.7	12.8	12.7	21.3	12.5	12.2	24.8
						0.7	195.1	23.9		29.9		8.0		93.9		6.7			12.5			11.9		
					M	0.9	174.1	23.9	23.9	30.1	30.1	8.0	8.0	94.0	94.1	6.7	6.7		21.7	22.0		27.6	27.2	
						0.6	150.5	23.9		30.1		8.0		94.1		6.7			22.3			26.8		
					B	0.9	177.8	23.9	23.9	30.1	30.1	8.0	8.0	94.0	94.0	6.7	6.7	6.7	29.3	29.2		30.6	35.0	
						0.4	222.4	23.9		30.1		8.0		93.9		6.7			29.0			39.3		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/28** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	03:18	6.0	S	0.2	150.8	24.0	24.0	29.7	29.7	8.0	8.0	93.4	93.4	6.6	6.6	6.6	27.3	26.5	28.6	35.1	35.0	37.4
						0.2	150.8	24.0		29.7		8.0		93.3		6.6			25.7			34.9		
					M	0.3	208.9	24.0	24.0	29.7	29.7	8.0	8.0	93.1	93.1	6.6	6.6		30.5	31.2		39.6	39.9	
						0.8	152.1	24.0		29.7		8.0		93.0		6.6			31.8			40.2		
					B	0.9	175.0	24.0	24.0	29.7	29.7	7.9	7.9	94.2	94.3	6.7	6.7	6.7	27.7	28.1		37.9	37.4	
						0.7	151.3	24.0		29.7		7.9		94.4		6.7			28.5			36.8		
IM18	Cloudy	Calm	03:06	18.0	S	0.9	179.3	24.2	24.2	29.6	29.6	7.9	7.9	91.6	91.7	6.5	6.5	6.4	8.3	8.2	12.1	10.2	9.7	13.2
						0.9	179.3	24.2		29.6		7.9		91.8		6.5			8.0			9.1		
					M	0.4	147.3	24.2	24.2	30.5	30.5	7.9	7.9	88.1	88.2	6.2	6.2		8.2	7.7		10.7	10.5	
						1.0	145.0	24.2		30.5		7.9		88.2		6.2			7.1			10.2		
					B	1.0	158.1	24.1	24.1	30.8	30.8	7.9	7.9	88.5	88.6	6.2	6.2	6.2	18.8	20.5		18.8	19.4	
						0.1	91.5	24.1		30.8		7.9		88.6		6.2			22.1			20.0		
IM19	Cloudy	Calm	01:36	19.2	S	1.1	179.4	24.4	24.4	29.9	29.9	7.8	7.8	91.1	91.1	6.4	6.4	6.4	6.0	6.3	6.9	7.5	7.4	8.5
						1.1	179.4	24.4		29.9		7.8		91.1		6.4			6.6			7.3		
					M	0.3	20.3	24.4	24.4	30.0	30.0	7.8	7.7	90.5	90.5	6.4	6.4		6.3	6.3		6.9	6.6	
						0.6	106.7	24.4		30.0		7.7		90.4		6.4			6.2			6.3		
					B	0.2	263.6	24.4	24.4	30.2	30.1	7.8	7.8	89.6	89.7	6.3	6.3	6.3	8.3	8.1		11.4	11.4	
						0.1	77.1	24.4		30.1		7.8		89.7		6.3			7.9			11.4		
IM20A	Cloudy	Calm	02:10	7.7	S	1.0	177.1	24.4	24.4	29.5	29.5	7.8	7.8	90.1	90.2	6.4	6.4	6.4	5.4	5.2	6.0	7.1	6.6	7.1
						1.0	177.1	24.4		29.5		7.8		90.2		6.4			5.0			6.1		
					M	0.4	163.1	24.4	24.4	29.5	29.5	7.8	7.8	89.8	89.8	6.3	6.3		6.2	6.0		6.2	7.0	
						0.4	163.1	24.4		29.5		7.8		89.8		6.3			5.7			7.7		
					B	0.7	211.8	24.4	24.4	29.6	29.6	7.8	7.8	90.0	89.9	6.4	6.3	6.3	6.9	7.0		7.5	7.7	
						0.7	211.8	24.4		29.6		7.8		89.8		6.3			7.0			7.9		
IM21A	Cloudy	Calm	02:03	7.0	S	0.7	201.8	24.8	24.8	29.5	29.5	7.8	7.8	90.4	90.5	6.3	6.3	6.4	6.7	6.7	7.2	7.8	7.7	8.4
						0.7	201.8	24.8		29.5		7.8		90.5		6.3			6.6			7.5		
					M	0.8	204.5	24.6	24.6	29.5	29.6	7.8	7.8	90.4	90.4	6.4	6.4		6.9	7.0		8.6	8.5	
						0.8	204.5	24.5		29.6		7.8		90.4		6.4			7.1			8.3		
					B	0.5	292.8	24.5	24.5	29.6	29.6	7.8	7.8	90.6	90.6	6.4	6.4	6.4	7.9	8.0		8.7	9.0	
						0.6	107.8	24.5		29.6		7.8		90.5		6.4			8.0			9.2		
IM22A	Cloudy	Calm	01:52	6.0	S	0.5	202.2	25.0	25.0	29.8	29.8	7.8	7.8	91.9	92.0	6.4	6.4	6.4	11.2	11.1	11.1	14.1	14.4	14.3
						0.6	194.5	25.0		29.8		7.8		92.1		6.4			11.0			14.6		
					M	0.3	125.9	25.0	25.0	29.8	29.8	7.8	7.8	92.3	92.3	6.4	6.4		11.1	11.0		15.1	15.7	
						0.6	117.5	25.0		29.8		7.8		92.2		6.4			10.9			16.2		
					B	0.7	162.8	25.0	25.0	29.8	29.8	7.7	7.7	92.7	92.6	6.5	6.5	6.5	11.4	11.1		12.2	12.8	
						0.7	162.8	25.0		29.8		7.7		92.5		6.5			10.7			13.3		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/30** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Fine	Rough	15:37	12.2	S	0.1	16.0	23.7	23.7	34.0	34.0	8.3	8.3	90.3	90.4	6.3	6.3	6.3	6.4	6.3	7.2	2.3	2.6	3.2
						0.1	23.0	23.7		34.1		8.3		90.5		6.3			6.3			2.9		
					M	0.1	0.0	23.7	23.7	34.4	34.4	8.3	8.3	91.2	91.2	6.3	6.3		7.2	7.1		3.3	3.2	
						0.1	3.0	23.7		34.3		8.3		91.2		6.4			7.1			3.1		
					B	0.2	358.0	24.0	24.1	34.0	33.9	8.2	8.2	91.5	91.7	6.3	6.3	6.3	8.0	8.0		3.8	3.7	
						0.1	2.0	24.2		33.9		8.2		91.8		6.4			8.0			3.5		
E2	Cloudy	Rough	14:37	9.6	S	0.1	282.0	23.8	23.8	31.6	31.6	7.8	7.8	102.8	102.7	7.3	7.3	7.2	4.1	4.4	9.0	5.3	5.4	4.9
						0.1	280.0	23.8		31.7		7.8		102.5		7.3			4.7			5.5		
					M	0.1	279.0	23.5	23.5	31.7	31.7	7.9	7.9	101.4	101.5	7.2	7.2		10.2	10.3		5.0	4.9	
						0.1	279.0	23.5		31.7		7.9		101.6		7.2			10.4			4.7		
					B	0.1	279.0	23.4	23.4	31.7	31.7	7.9	7.9	103.0	103.2	7.3	7.3	7.3	12.1	12.2		4.4	4.5	
						0.1	274.0	23.4		31.8		7.9		103.4		7.4			12.2			4.6		
E3	Cloudy	Rough	13:52	15.5	S	0.5	321.0	23.3	23.3	31.8	31.8	7.9	7.9	102.2	102.2	7.3	7.3	7.3	9.0	9.1	11.1	5.9	5.8	4.6
						0.5	315.0	23.3		31.8		7.9		102.2		7.3			9.1			5.6		
					M	0.5	306.0	23.3	23.3	31.8	31.8	7.9	7.9	102.6	102.7	7.3	7.3		10.4	10.6		4.3	4.5	
						0.5	299.0	23.3		31.8		7.9		102.8		7.3			10.8			4.6		
					B	0.5	301.0	23.2	23.2	31.8	31.8	7.9	7.9	103.4	103.5	7.4	7.4	7.4	13.8	13.5		3.8	3.6	
						0.5	303.0	23.2		31.8		7.9		103.5		7.4			13.2			3.4		
E4	Cloudy	Rough	12:07	10.6	S	0.3	40.0	23.3	23.3	31.2	31.2	8.0	8.0	101.2	101.2	7.2	7.2	7.2	5.7	5.7	5.9	7.6	7.5	6.6
						0.3	37.0	23.3		31.2		8.0		101.2		7.2			5.7			7.4		
					M	0.3	37.0	23.3	23.3	31.6	31.6	8.1	8.1	100.4	100.4	7.1	7.1		6.1	6.1		7.0	6.8	
						0.3	41.0	23.3		31.6		8.1		100.4		7.1			6.0			6.6		
					B	0.2	3.0	23.2	23.2	31.6	31.6	8.1	8.1	100.2	100.2	7.1	7.1	7.1	6.0	6.0		5.2	5.4	
						0.2	9.0	23.2		31.6		8.1		100.2		7.1			6.0			5.5		
E5	Cloudy	Moderate	11:53	6.0	S	0.9	60.8	24.9	24.9	26.5	26.5	7.8	7.8	85.5	85.5	6.1	6.1	6.1	12.2	12.3	13.3	13.8	13.7	14.8
						0.9	60.8	24.9		26.5		7.8		85.5		6.1			12.4			13.5		
					M	0.5	219.8	24.9	24.9	26.5	26.5	7.7	7.7	85.4	85.4	6.1	6.1		12.5	12.5		14.5	14.3	
						0.5	253.0	24.9		26.5		7.7		85.3		6.1			12.4			14.1		
					B	0.8	91.9	24.8	24.8	26.7	26.7	7.7	7.7	85.0	85.1	6.1	6.1	6.1	16.0	15.0		16.1	16.5	
						0.2	97.3	24.8		26.7		7.7		85.2		6.1			14.0			16.9		
E6	Cloudy	Moderate	13:00	5.8	S	0.4	357.3	24.9	24.9	23.4	23.4	7.9	7.9	85.1	85.6	6.2	6.2	6.0	9.0	8.5	26.8	7.4	7.7	29.3
						0.9	287.3	24.9		23.4		7.9		86.1		6.2			7.9			7.9		
					M	0.5	45.9	24.8	24.8	27.2	27.1	7.8	7.8	81.4	81.4	5.8	5.8		25.1	24.2		24.6	24.4	
						0.5	12.9	24.8		27.0		7.8		81.3		5.8			23.2			24.1		
					B	0.1	314.0	24.7	24.7	28.4	28.4	7.8	7.8	81.1	81.1	5.7	5.7	5.7	47.4	47.9		55.6	55.9	
						0.6	352.0	24.7		28.4		7.8		81.0		5.7			48.4			56.1		
E7A	Cloudy	Moderate	13:25	4.4	S	0.3	150.3	25.0	25.0	25.4	24.4	7.8	7.8	81.1	81.2	5.8	5.8	5.8	14.1	13.0	15.1	11.1	11.0	15.3
						0.3	150.3	25.0		23.5		7.8		81.2		5.9			11.9			10.9		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.9	36.8	25.0	25.0	25.6	25.6	7.8	7.8	81.2	81.0	5.8	5.8	5.8	16.7	17.2		19.8	19.5	
						0.9	26.8	25.0		25.6		7.8		80.7		5.8			17.6			19.2		
F1	Fine	Rough	14:47	17.6	S	0.1	318.0	23.8	23.8	34.3	34.4	8.3	8.3	92.3	92.3	6.4	6.4	6.4	4.2	4.2	5.2	3.1	3.0	3.5
						0.2	312.0	23.7		34.4		8.3		92.3		6.4			4.3			2.9		
					M	0.2	294.0	23.7	23.8	34.6	34.6	8.3	8.3	92.1	92.1	6.4	6.4		5.0	5.0		3.4	3.5	
						0.2	289.0	23.8		34.6		8.3		92.0		6.4			5.0			3.6		
					B	0.2	288.0	23.8	23.8	34.6	34.6	8.3	8.3	92.0	92.1	6.4	6.4	6.4	6.4	6.4		3.9	4.1	
						0.3	295.0	23.8		34.5		8.3		92.1		6.4			6.5			4.2		
F2	Fine	Rough	14:21	22.6	S	0.1	293.0	23.8	23.8	34.0	34.0	8.3	8.3	93.7	93.8	6.5	6.5	6.5	1.9	1.9	2.8	6.8	7.0	6.5
						0.2	288.0	23.8		34.0		8.3		93.9		6.5			1.8			7.1		
					M	0.2	313.0	23.8	23.8	34.2	34.2	8.2	8.2	94.6	94.8	6.6	6.6		2.6	2.6		6.3	6.5	
						0.2	320.0	23.8		34.2		8.2		94.9		6.6			2.6			6.6		
					B	0.1	294.0	23.8	23.8	34.4	34.4	8.2	8.2	95.5	95.6	6.6	6.6	6.6	3.8	3.8		6.2	6.1	
						0.1	288.0	23.8		34.3		8.2		95.7		6.7			3.8			5.9		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/30** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Fine	Rough	12:35	15.0	S	0.2	274.0	24.0	24.0	34.2	34.3	8.3	8.3	96.7	96.6	6.7	6.7	6.7	2.6	2.6	2.7	6.2	6.1	5.5
						0.2	274.0	23.9		34.3		8.3		96.5		6.7			2.6			6.0		
					M	0.2	286.0	23.9	23.9	34.3	34.3	8.2	8.2	95.9	95.8	6.6	6.6		2.7	2.8		5.8	5.8	
						0.2	280.0	23.9		34.3		8.2		95.6		6.6			2.8			5.7		
					B	0.2	295.0	24.2	24.3	34.0	34.0	8.2	8.2	95.3	95.6	6.6	6.6	6.6	2.9	2.8		4.4	4.6	
						0.2	299.0	24.3		34.0		8.2		95.8		6.6			2.8			4.7		
F4	Cloudy	Rough	14:12	13.8	S	0.3	262.0	23.5	23.5	31.7	31.7	7.9	7.9	102.1	102.1	7.3	7.3	7.3	5.9	6.0	10.9	3.4	3.6	4.6
						0.3	259.0	23.5		31.7		7.9		102.0		7.3			6.0			3.7		
					M	0.3	279.0	23.3	23.3	31.8	31.8	7.9	7.9	101.9	102.0	7.3	7.3		12.1	12.4		4.4	4.6	
						0.3	281.0	23.2		31.8		7.9		102.0		7.3			12.7			4.8		
					B	0.3	273.0	23.3	23.3	31.8	31.8	7.9	7.9	102.8	102.9	7.3	7.3	7.3	14.7	14.4		5.3	5.5	
						0.3	275.0	23.3		31.8		7.9		103.0		7.3			14.1			5.7		
F5	Cloudy	Rough	11:46	5.7	S	0.1	28.0	23.2	23.2	31.7	31.7	8.1	8.1	99.6	99.6	7.1	7.1	7.1	6.5	6.5	7.6	8.0	7.8	29.6
						0.1	29.0	23.2		31.7		8.1		99.6		7.1			6.5			7.5		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	35.0	23.3	23.3	31.9	31.9	8.1	8.1	98.5	98.5	7.0	7.0	7.0	8.7	8.7		51.8	51.4	
						0.1	28.0	23.3		31.9		8.1		98.5		7.0			8.7			51.0		
F6	Cloudy	Moderate	14:41	14.2	S	0.9	327.7	24.8	24.8	26.3	26.3	8.0	7.9	88.5	88.7	6.3	6.3	6.2	4.3	4.1	16.3	5.7	5.8	20.0
						0.9	327.7	24.8		26.3		7.9		88.8		6.3			3.8			5.9		
					M	0.9	300.6	24.7	24.7	28.7	28.7	7.9	7.9	84.7	84.7	6.0	6.0		12.0	11.4		12.0	12.3	
						0.7	311.8	24.7		28.6		7.9		84.7		6.0			10.8			12.5		
					B	1.0	312.4	24.6	24.6	29.4	29.4	7.9	7.9	83.6	83.6	5.9	5.9	5.9	33.7	33.5		41.7	42.0	
						0.4	292.8	24.6		29.4		7.9		83.5		5.9			33.3			42.3		
IM1	Fine	Rough	15:01	11.4	S	0.1	34.0	23.7	23.7	34.6	34.6	8.3	8.3	94.2	94.1	6.5	6.5	6.5	5.1	5.1	6.6	4.7	4.5	5.5
						0.1	36.0	23.6		34.7		8.3		94.0		6.5			5.2			4.3		
					M	0.1	33.0	23.6	23.6	34.7	34.7	8.3	8.3	94.4	94.4	6.6	6.6		6.6	6.6		5.5	5.7	
						0.1	40.0	23.6		34.7		8.3		94.4		6.6			6.7			5.8		
					B	0.1	42.0	23.8	23.9	34.5	34.5	8.3	8.3	94.7	94.9	6.6	6.6	6.6	7.9	7.9		6.2	6.4	
						0.1	41.0	24.0		34.4		8.3		95.0		6.6			7.9			6.5		
IM2	Fine	Rough	15:18	10.0	S	0.2	5.0	23.9	23.9	34.4	34.4	8.3	8.3	95.3	95.3	6.6	6.6	6.6	2.0	2.0	2.6	3.6	3.8	4.6
						0.2	3.0	23.9		34.4		8.3		95.3		6.6			2.0			4.0		
					M	0.3	11.0	23.9	23.9	34.4	34.4	8.3	8.3	95.3	95.4	6.6	6.6		2.6	2.5		4.4	4.6	
						0.3	10.0	23.9		34.4		8.3		95.4		6.6			2.5			4.7		
					B	0.2	357.0	23.9	23.9	34.4	34.4	8.3	8.3	95.4	95.4	6.6	6.6	6.6	3.3	3.3		5.2	5.4	
						0.2	356.0	23.9		34.4		8.3		95.4		6.6			3.3			5.6		
IM3	Fine	Rough	14:00	16.2	S	0.2	253.0	24.0	24.0	33.6	33.6	8.3	8.2	90.5	90.6	6.3	6.3	6.3	2.1	2.1	2.8	2.3	2.4	3.1
						0.2	256.0	24.0		33.6		8.2		90.6		6.3			2.1			2.5		
					M	0.1	260.0	24.1	24.1	33.6	33.6	8.2	8.2	90.7	90.7	6.3	6.3		3.0	3.0		3.1	3.3	
						0.1	257.0	24.1		33.6		8.2		90.7		6.3			3.0			3.4		
					B	0.2	237.0	24.1	24.1	33.5	33.4	8.2	8.2	90.5	90.5	6.3	6.3	6.3	3.3	3.3		3.8	3.7	
						0.1	241.0	24.1		33.2		8.2		90.5		6.3			3.3			3.6		
IM4	Fine	Rough	13:39	15.2	S	0.2	279.0	24.0	24.0	33.8	33.9	8.2	8.2	91.4	91.5	6.3	6.4	6.4	3.5	3.5	3.8	3.0	2.9	3.3
						0.2	277.0	23.9		33.9		8.2		91.6		6.4			3.5			2.7		
					M	0.2	276.0	23.8	23.8	34.2	34.2	8.2	8.2	92.4	92.5	6.4	6.4		3.8	3.8		3.5	3.4	
						0.3	273.0	23.7		34.3		8.2		92.5		6.4			3.8			3.2		
					B	0.3	284.0	23.6	23.7	34.4	34.3	8.2	8.2	92.6	92.7	6.5	6.5	6.5	4.1	4.1		3.4	3.6	
						0.3	286.0	23.7		34.2		8.2		92.8		6.5			4.1			3.7		
IM5	Fine	Rough	13:22	14.4	S	0.2	292.0	23.7	23.7	34.4	34.4	8.3	8.3	92.8	92.8	6.5	6.5	6.4	1.6	1.6	2.8	3.4	3.3	3.0
						0.2	287.0	23.6		34.4		8.3		92.8		6.5			1.6			3.1		
					M	0.2	289.0	23.8	23.9	34.3	34.3	8.2	8.2	92.7	92.8	6.4	6.4		2.7	2.7		3.0	3.1	
						0.3	294.0	23.9		34.2		8.2		92.8		6.4			2.7			3.2		
					B	0.2	286.0	24.2	24.3	34.0	33.9	8.2	8.2	93.1	93.4	6.4	6.4	6.4	4.0	4.0		2.8	2.7	
						0.2	283.0	24.3		33.9		8.2		93.6		6.5			4.1			2.5		
IM6	Fine	Rough	12:53	14.6	S	0.2	295.0	23.7	23.7	34.4	34.3	8.2	8.2	91.8	91.7	6.4	6.4	6.4	2.0	2.0	2.8	3.9	3.7	3.4
						0.2	295.0	23.7		34.3		8.2		91.6		6.4			1.9			3.5		
					M	0.2	293.0	23.9	24.0	34.2	34.1	8.2	8.2	91.7	91.8	6.4	6.4		2.8	2.8		3.4	3.6	
						0.2	297.0	24.0		34.1		8.2		91.9		6.4			2.8			3.7		
					B	0.2	272.0	24.3	24.4	33.9	33.8	8.2	8.2	92.7	93.0	6.4	6.4	6.4	3.6	3.5		2.8	3.0	
						0.2	275.0	24.4		33.8		8.2		93.3		6.4			3.5			3.1		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/30** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Fine	Rough	12:07	12.0	S	0.2	284.0	23.6	23.6	34.6	34.6	8.3	8.3	96.5	96.5	6.7	6.7	6.7	5.7	5.7	6.4	3.7	3.9	3.4
						0.2	282.0	23.6		34.6		8.3		96.5		6.7			5.8			4.0		
					M	0.2	287.0	23.6	23.7	34.6	34.6	8.3	8.3	96.4	96.5	6.7	6.7		6.2	6.2		3.6	3.5	
						0.2	291.0	23.7		34.5		8.3		96.5		6.7			6.2			3.3		
					B	0.2	274.0	23.9	24.0	34.3	34.3	8.3	8.3	96.6	96.6	6.7	6.7	6.7	7.2	7.2		2.8	3.0	
						0.2	273.0	24.0		34.3		8.3		96.6		6.7			7.2			3.1		
IM8	Fine	Rough	12:15	13.6	S	0.3	290.0	23.8	23.8	34.2	34.2	8.3	8.3	96.5	96.4	6.7	6.7	6.7	2.5	2.5	2.8	2.9	3.0	3.5
						0.2	294.0	23.8		34.2		8.3		96.3		6.7			2.5			3.1		
					M	0.2	278.0	24.0	24.1	34.1	34.1	8.2	8.2	96.1	96.2	6.7	6.7		2.9	2.9		3.4	3.5	
						0.2	281.0	24.1		34.0		8.2		96.2		6.7			2.8			3.6		
					B	0.2	300.0	24.3	24.3	33.9	33.8	8.2	8.2	96.6	96.9	6.7	6.7	6.7	3.2	3.2		3.9	4.1	
						0.2	305.0	24.3		33.8		8.2		97.1		6.7			3.2			4.2		
IM9	Fine	Rough	11:49	14.4	S	0.2	291.0	23.7	23.7	34.5	34.5	8.3	8.3	97.8	97.8	6.8	6.8	6.8	2.7	2.7	3.6	2.9	3.0	4.2
						0.3	286.0	23.7		34.5		8.3		97.8		6.8			2.7			3.1		
					M	0.3	297.0	23.7	23.7	34.5	34.5	8.3	8.3	97.8	97.9	6.8	6.8		3.5	3.5		4.3	4.2	
						0.3	296.0	23.7		34.5		8.3		98.0		6.8			3.5			4.0		
					B	0.2	301.0	23.7	23.7	34.5	34.5	8.3	8.3	98.5	98.6	6.8	6.9	6.9	4.6	4.6		5.3	5.6	
						0.3	300.0	23.7		34.5		8.3		98.7		6.9			4.6			5.8		
IM10	Cloudy	Rough	13:35	11.2	S	0.3	233.0	23.6	23.6	31.7	31.7	7.9	7.9	102.8	102.8	7.3	7.3	7.3	9.6	9.5	14.0	5.1	5.0	4.4
						0.3	232.0	23.6		31.7		7.9		102.8		7.3			9.5			4.8		
					M	0.3	236.0	23.4	23.4	31.7	31.7	7.9	7.9	102.6	102.7	7.3	7.3		13.8	14.4		4.5	4.4	
						0.2	236.0	23.4		31.7		7.9		102.7		7.3			14.9			4.2		
					B	0.2	259.0	23.4	23.4	31.7	31.7	7.9	7.9	102.9	103.0	7.3	7.3	7.3	18.1	18.1		4.0	3.8	
						0.2	253.0	23.4		31.7		7.9		103.0		7.3			18.1			3.6		
IM11A	Cloudy	Rough	13:17	5.2	S	0.6	330.0	23.2	23.2	32.0	32.0	8.0	8.0	99.8	99.8	7.1	7.1	7.1	10.0	10.0	13.9	4.4	4.3	3.9
						0.5	328.0	23.2		32.0		8.0		99.8		7.1			10.0			4.1		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.6	320.0	23.2	23.2	32.1	32.1	8.0	8.0	99.4	99.4	7.1	7.0	7.0	17.8	17.8		3.4	3.6	
						0.6	317.0	23.2		32.1		8.0		99.3		7.0			17.8			3.7		
IM12	Cloudy	Rough	13:04	15.1	S	0.5	327.0	23.3	23.3	31.5	31.5	8.0	8.0	99.3	99.3	7.1	7.1	7.1	13.3	13.2	13.4	4.1	4.0	4.7
						0.5	327.0	23.3		31.5		8.0		99.3		7.1			13.2			3.9		
					M	0.5	339.0	23.2	23.2	31.8	31.8	8.0	8.0	99.7	99.7	7.1	7.1		14.8	14.8		4.6	4.7	
						0.5	335.0	23.2		31.8		8.0		99.7		7.1			14.8			4.8		
					B	0.5	332.0	23.2	23.2	32.0	32.0	8.0	8.0	99.5	99.5	7.1	7.1	7.1	12.0	12.1		5.4	5.3	
						0.5	329.0	23.2		32.0		8.0		99.5		7.1			12.1			5.1		
IM13	Cloudy	Rough	12:33	16.2	S	0.4	2.0	23.3	23.3	31.2	31.2	8.0	8.0	100.8	100.8	7.2	7.2	7.1	5.9	5.9	11.6	5.6	5.7	5.1
						0.4	4.0	23.3		31.2		8.0		100.8		7.2			5.9			5.7		
					M	0.3	29.0	23.3	23.3	31.5	31.5	8.0	8.0	99.0	99.0	7.0	7.0		13.1	13.1		5.2	5.1	
						0.3	35.0	23.3		31.5		8.0		99.0		7.0			13.1			5.0		
					B	0.3	16.0	23.3	23.3	31.6	31.6	8.0	8.0	97.8	97.8	7.0	7.0	7.0	16.0	16.0		4.7	4.6	
						0.3	18.0	23.3		31.6		8.0		97.8		7.0			16.0			4.5		
IM14	Cloudy	Rough	12:20	11.2	S	0.3	38.0	23.4	23.4	30.8	30.8	8.0	8.0	101.6	101.6	7.2	7.2	7.1	5.5	5.5	8.8	4.3	4.1	4.6
						0.3	39.0	23.4		30.8		8.0		101.6		7.2			5.5			3.9		
					M	0.3	37.0	23.3	23.3	31.6	31.6	8.0	8.0	98.8	98.8	7.0	7.0		10.1	10.2		4.4	4.6	
						0.3	35.0	23.3		31.6		8.0		98.8		7.0			10.2			4.7		
					B	0.3	32.0	23.3	23.3	31.6	31.6	8.0	8.0	98.3	98.3	7.0	7.0	7.0	10.9	10.9		4.9	5.1	
						0.3	28.0	23.3		31.6		8.0		98.3		7.0			10.9			5.2		
IM15	Cloudy	Moderate	11:41	6.3	S	0.4	302.7	24.9	24.9	24.9	24.9	7.7	7.7	85.7	85.7	6.2	6.2	6.1	9.2	9.2	9.6	10.3	10.5	12.3
						0.7	59.0	24.9		24.9		7.7		85.6		6.2			9.2			10.7		
					M	0.8	25.2	24.9	24.9	24.9	24.9	7.7	7.7	85.4	85.5	6.1	6.1		9.5	9.4		12.4	12.7	
						1.8	328.3	24.9		24.9		7.6		85.5		6.1			9.3			12.9		
					B	0.4	67.5	24.9	24.9	24.9	24.9	7.7	7.7	85.1	85.1	6.1	6.1	6.1	10.5	10.2		13.4	13.7	
						0.6	338.3	24.9		24.9		7.7		85.1		6.1			9.8			13.9		
IM16A	Cloudy	Moderate	12:06	7.0	S	1.0	54.3	24.8	24.8	26.4	26.4	7.8	7.8	83.8	83.8	6.0	6.0	6.0	16.5	16.6	15.6	18.6	18.4	16.6
						1.0	54.3	24.8		26.4		7.8		83.8		6.0			16.6			18.2		
					M	0.5	248.7	24.8	24.8	26.4	26.4	7.8	7.8	83.2	83.6	5.9	6.0		16.6	16.6		16.7	16.9	
						0.9	201.0	24.8		26.5		7.8		84.0		6.0			16.6			17.0		
					B	0.5	289.9	24.8	24.8	26.5	26.6	7.8	7.8	85.3	84.4	6.1	6.0	6.0	14.0	13.7		14.7	14.5	
						0.7	222.3	24.8		26.6		7.8		83.4		5.9			13.4			14.3		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/30** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Moderate	12:27	4.9	S	0.5	82.3	24.9	24.9	24.2	24.2	7.8	7.8	85.2	85.3	6.1	6.1	6.1	9.4	9.3	10.0	7.9	8.2	8.8
						0.5	82.3	24.9		24.2		7.8		85.3		6.2			9.2			8.4		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.5	18.9	24.9	24.9	24.5	24.7	7.8	7.8	84.6	84.3	6.1	6.1	6.1	10.6	10.6		9.6	9.5	
						0.6	45.7	24.9		24.8		7.8		84.0		6.0			10.6			9.3		
IM18	Cloudy	Moderate	12:38	16.7	S	0.5	282.1	25.0	25.0	24.3	24.3	7.9	7.9	84.4	84.5	6.1	6.1	5.9	8.8	8.6	38.9	7.7	7.8	41.9
						0.5	282.1	25.0		24.3		7.9		84.5		6.1			8.4			7.8		
					M	0.9	346.9	24.6	24.6	28.9	28.9	7.9	7.9	82.2	82.0	5.8	5.8		17.3	17.6		17.7	17.4	
						0.5	325.8	24.6		28.9		7.9		81.7		5.8			17.8			17.0		
					B	0.5	346.0	24.5	24.5	29.5	29.5	7.9	7.9	81.7	81.8	5.8	5.8	5.8	89.1	90.4		114.0	100.5	
						0.5	346.0	24.5		29.5		7.9		81.9		5.8			91.7			87.0		
IM19	Cloudy	Moderate	14:08	17.8	S	0.7	177.9	25.0	25.0	23.6	23.6	7.9	7.9	85.4	85.4	6.2	6.2	6.1	7.2	7.2	30.1	7.3	7.1	30.8
						0.7	177.9	25.0		23.6		7.9		85.3		6.2			7.1			6.9		
					M	0.9	336.6	24.8	24.8	29.2	29.1	7.9	7.9	85.0	85.4	6.0	6.0		11.1	10.7		12.3	12.6	
						0.9	316.9	24.9		29.1		7.9		85.7		6.0			10.2			12.8		
					B	0.5	333.8	24.6	24.6	29.6	29.6	7.9	7.9	83.0	83.0	5.8	5.8	5.8	72.9	72.5		73.0	72.7	
						0.5	3.9	24.7		29.6		7.9		82.9		5.8			72.0			72.3		
IM20A	Cloudy	Moderate	13:40	6.3	S	0.3	349.0	25.3	25.3	22.6	22.5	7.8	7.8	85.3	85.3	6.2	6.2	6.1	10.5	10.4	15.1	9.3	9.2	16.4
						0.9	56.6	25.3		22.5		7.8		85.2		6.2			10.2			9.1		
					M	0.7	19.9	25.2	25.2	23.0	23.2	7.9	7.9	84.1	83.6	6.1	6.0		11.2	10.4		10.8	10.8	
						1.3	300.6	25.1		23.5		7.8		83.1		6.0			9.5			10.8		
					B	0.5	112.8	24.9	24.9	28.2	28.2	7.8	7.8	82.4	82.3	5.8	5.8	5.8	22.6	24.6		28.7	29.1	
						0.5	112.8	24.9		28.2		7.8		82.2		5.8			26.5			29.4		
IM21A	Cloudy	Moderate	13:47	6.1	S	1.6	359.6	26.8	26.8	25.2	25.2	7.9	7.9	89.9	90.1	6.2	6.3	6.2	18.7	18.9	17.2	17.5	17.6	18.3
						0.5	127.2	26.9		25.2		7.9		90.3		6.3			19.1			17.7		
					M	1.4	16.8	26.7	26.7	25.2	25.2	7.9	7.9	89.2	89.5	6.2	6.2		17.1	17.5		18.1	18.2	
						1.3	4.7	26.8		25.3		7.9		89.7		6.2			17.9			18.3		
					B	0.7	62.4	25.5	25.7	26.4	25.9	7.8	7.8	84.6	85.2	6.0	6.0	6.0	15.0	15.1		19.0	19.2	
						0.6	344.8	25.9		25.4		7.8		85.8		6.0			15.2			19.4		
IM22A	Cloudy	Moderate	13:54	4.7	S	0.5	75.1	25.0	25.0	21.9	21.9	7.9	7.9	85.5	85.6	6.2	6.2	6.2	9.1	9.2	9.3	7.1	7.2	7.8
						0.5	75.1	25.0		21.9		7.9		85.6		6.3			9.2			7.3		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.6	22.0	25.0	25.0	24.3	25.4	7.8	7.8	83.7	82.8	6.0	5.9	5.9	9.2	9.5		8.7	8.5	
						1.0	312.4	24.9		26.4		7.8		81.8		5.8			9.7			8.2		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/11/30** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Fine	Rough	03:35	10.6	S	0.1	155.0	23.7	23.7	33.6	33.6	8.1	8.0	88.2	88.3	6.2	6.2	6.2	3.3	3.3	4.3	3.9	4.1	3.4
						0.1	150.0	23.7		33.6		8.0		88.4		6.2			3.3			4.2		
					M	0.2	156.0	23.7	23.7	33.7	33.7	8.0	8.0	89.5	89.6	6.2	6.2		4.1	4.1		3.1	3.3	
						0.1	160.0	23.7		33.7		8.0		89.7		6.3			4.2			3.5		
					B	0.2	130.0	23.7	23.7	33.7	33.7	8.0	8.0	90.3	90.5	6.3	6.3	6.3	5.4	5.5		2.7	2.9	
						0.2	131.0	23.7		33.7		8.0		90.7		6.3			5.5			3.0		
E2	Cloudy	Moderate	04:44	8.4	S	0.2	76.0	23.4	23.4	31.4	31.4	8.0	8.0	95.6	95.6	6.8	6.8	6.6	4.1	4.1	8.7	4.4	4.6	6.0
						0.1	79.0	23.4		31.4		8.0		95.6		6.8			4.2			4.8		
					M	0.2	105.0	23.2	23.2	31.4	31.4	8.0	8.0	90.9	90.9	6.5	6.5		8.2	8.4		5.7	5.9	
						0.1	109.0	23.1		31.4		8.0		90.8		6.5			8.7			6.0		
					B	0.2	72.0	23.1	23.1	31.4	31.4	8.0	8.0	90.3	90.3	6.4	6.4	6.4	13.4	13.5		7.3	7.6	
						0.2	67.0	23.1		31.4		7.9		90.3		6.4			13.5			7.9		
E3	Cloudy	Moderate	05:24	14.8	S	0.9	133.0	22.8	22.8	31.7	31.7	7.9	7.9	92.0	92.0	6.6	6.6	6.5	10.4	10.6	15.0	11.6	11.6	11.9
						0.9	131.0	22.8		31.7		7.9		91.9		6.6			10.7			11.5		
					M	0.9	118.0	22.8	22.8	31.7	31.7	7.9	7.9	91.6	91.6	6.5	6.5		15.2	15.3		11.9	11.8	
						0.9	117.0	22.8		31.7		7.9		91.6		6.5			15.3			11.6		
					B	0.9	119.0	22.8	22.8	31.7	31.7	7.9	7.9	91.9	91.9	6.6	6.6	6.6	19.0	19.1		12.1	12.3	
						0.9	117.0	22.8		31.7		7.9		91.9		6.6			19.1			12.5		
E4	Cloudy	Moderate	06:34	13.2	S	0.9	218.0	22.8	22.8	31.2	31.2	8.0	8.0	94.8	94.8	6.8	6.8	6.8	5.5	5.5	10.5	9.9	9.9	8.8
						0.9	219.0	22.8		31.2		8.0		94.8		6.8			5.5			9.8		
					M	0.9	208.0	22.8	22.8	31.7	31.7	8.0	8.0	93.3	93.3	6.7	6.7		12.2	12.2		9.2	9.0	
						0.9	205.0	22.8		31.7		8.0		93.3		6.7			12.2			8.8		
					B	0.9	226.0	22.8	22.8	31.7	31.7	8.0	8.0	92.7	92.7	6.6	6.6	6.6	13.8	13.9		7.7	7.6	
						0.9	223.0	22.8		31.7		8.0		92.7		6.6			13.9			7.5		
E5	Cloudy	Calm	05:39	6.9	S	1.1	174.8	24.5	24.5	26.7	26.7	8.0	8.0	90.3	90.4	6.5	6.5	6.4	4.0	3.9	5.1	3.9	4.0	5.3
						1.1	174.8	24.5		26.7		8.0		90.5		6.5			3.8			4.0		
					M	0.8	230.8	24.4	24.4	29.1	29.1	8.0	8.0	89.5	89.7	6.3	6.3		5.0	4.9		5.7	5.6	
						1.1	184.2	24.4		29.1		8.0		89.8		6.4			4.8			5.4		
					B	0.2	291.2	24.3	24.3	29.4	29.4	7.9	7.9	89.3	89.2	6.3	6.3	6.3	6.3	6.4		6.1	6.3	
						0.2	320.5	24.3		29.5		8.0		89.1		6.3			6.4			6.4		
E6	Cloudy	Calm	04:35	6.8	S	0.3	161.2	24.9	24.9	25.3	25.6	7.9	7.9	87.9	88.0	6.3	6.3	6.1	6.1	5.9	14.5	4.6	4.9	20.4
						1.0	158.5	24.9		25.9		7.9		88.0		6.3			5.6			5.2		
					M	0.6	164.4	24.5	24.5	28.9	28.9	7.9	7.9	84.7	84.7	6.0	6.0		21.2	21.5		35.1	30.3	
						0.6	164.4	24.5		28.9		7.9		84.7		6.0			21.8			25.4		
					B	0.4	96.1	24.4	24.4	29.1	29.1	7.8	7.8	85.3	85.3	6.0	6.0	6.0	16.6	16.0		22.7	25.9	
						0.9	166.2	24.4		29.1		7.8		85.2		6.0			15.4			29.1		
E7A	Cloudy	Calm	04:18	5.2	S	0.6	211.6	25.1	25.1	26.8	26.8	7.8	7.8	87.4	87.5	6.2	6.2	6.2	3.8	3.7	4.5	4.4	4.7	6.2
						0.6	211.6	25.1		26.8		7.8		87.5		6.2			3.6			4.9		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	145.1	25.0	25.0	27.3	27.3	7.8	7.8	85.3	85.2	6.0	6.0	6.0	5.4	5.4		7.6	7.8	
						0.5	127.9	25.0		27.3		7.8		85.1		6.0			5.3			8.0		
F1	Fine	Rough	04:31	18.0	S	0.3	136.0	23.8	23.8	33.8	33.8	8.2	8.2	91.5	91.6	6.4	6.4	6.4	5.1	5.1	6.2	4.8	4.6	3.9
						0.3	139.0	23.8		33.9		8.2		91.7		6.4			5.2			4.4		
					M	0.2	127.0	23.7	23.7	34.0	34.1	8.2	8.1	92.4	92.6	6.4	6.5		6.1	6.1		3.6	3.8	
						0.2	121.0	23.6		34.1		8.1		92.7		6.5			6.2			3.9		
					B	0.3	130.0	23.5	23.5	34.2	34.1	8.1	8.1	92.6	92.6	6.5	6.5	6.5	7.4	7.5		3.3	3.2	
						0.3	136.0	23.4		34.1		8.1		92.6		6.5			7.5			3.1		
F2	Fine	Rough	05:01	23.6	S	0.3	115.0	23.8	23.7	34.2	34.3	8.2	8.2	94.1	94.4	6.5	6.6	6.6	5.0	5.0	6.2	3.8	3.6	4.2
						0.2	110.0	23.6		34.5		8.2		94.7		6.6			5.1			3.4		
					M	0.3	104.0	23.5	23.5	34.6	34.6	8.1	8.1	95.4	95.5	6.7	6.7		6.1	6.1		4.3	4.2	
						0.3	110.0	23.4		34.7		8.1		95.5		6.7			6.2			4.0		
					B	0.2	105.0	23.3	23.5	34.7	18.1	8.1	8.5	95.4	94.5	6.7	7.3	7.3	7.4	7.4		4.6	4.8	
						0.2	102.0	23.7		1.6		8.9		93.6		7.9			7.5			5.0		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/30** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Fine	Rough	06:25	16.8	S	0.3	131.0	23.7	23.7	34.4	34.4	8.2	8.2	96.1	96.1	6.7	6.7	6.7	3.4	3.3	3.9	2.6	2.5	3.5
						0.3	134.0	23.7		34.4		8.2		96.0		6.7			3.3			2.4		
					M	0.3	103.0	23.7	23.7	34.4	34.4	8.2	8.2	96.0	96.1	6.7	6.7		4.0	4.0		3.4	3.7	
						0.3	106.0	23.7		34.4		8.2		96.2		6.7			4.0			3.9		
					B	0.3	140.0	23.8	23.8	34.3	34.3	8.2	8.2	96.6	98.4	6.7	6.8	6.8	4.3	4.2		4.5	4.4	
						0.2	145.0	23.8		34.3		8.2		100.1		6.9			4.2			4.2		
F4	Cloudy	Moderate	05:05	12.8	S	0.4	94.0	22.8	22.8	31.7	31.7	7.9	7.9	93.1	93.1	6.6	6.6	6.6	7.0	7.0	9.1	7.9	8.1	10.4
						0.4	90.0	22.8		31.7		7.9		93.1		6.6			7.1			8.2		
					M	0.5	103.0	22.8	22.8	31.7	31.7	7.9	7.9	92.4	92.4	6.6	6.6		8.4	8.5		10.2	10.5	
						0.5	101.0	22.8		31.7		7.9		92.4		6.6			8.6			10.7		
					B	0.5	74.0	22.8	22.8	31.8	31.8	7.9	7.9	92.3	92.3	6.6	6.6	6.6	11.8	11.8		12.8	12.6	
						0.5	70.0	22.8		31.8		7.9		92.3		6.6			11.8			12.4		
F5	Cloudy	Moderate	07:02	4.8	S	0.5	201.0	22.9	22.9	31.0	31.0	7.9	7.9	94.6	94.6	6.8	6.8	6.8	6.0	6.0	5.9	28.0	27.7	17.7
						0.5	199.0	22.9		31.0		7.9		94.6		6.8			6.0			27.4		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.5	218.0	22.8	22.8	31.2	31.2	8.0	8.0	93.4	93.5	6.7	6.7	6.7	5.7	5.7		7.9	7.7	
						0.5	224.0	22.8		31.2		8.0		93.5		6.7			5.7			7.4		
F6	Cloudy	Calm	06:19	14.2	S	0.6	174.6	24.9	24.9	27.1	27.1	7.9	7.9	90.3	90.0	6.4	6.4	6.2	4.2	4.2	6.4	4.4	4.3	6.4
						0.6	174.6	24.9		27.1		7.9		89.6		6.4			4.1			4.1		
					M	0.9	63.2	24.6	24.6	29.8	29.8	7.9	7.9	86.3	86.3	6.1	6.1		6.4	6.7		6.7	6.9	
						0.8	177.7	24.6		29.8		7.9		86.3		6.1			6.9			7.1		
					B	0.4	97.6	24.6	24.6	29.8	29.8	7.9	7.9	86.0	86.0	6.0	6.0	6.0	7.7	8.4		8.1	7.9	
						1.2	130.4	24.6		29.8		7.9		86.0		6.0			9.0			7.7		
IM1	Fine	Rough	04:14	13.8	S	0.2	149.0	23.8	23.8	33.5	33.5	8.1	8.1	89.2	89.3	6.2	6.2	6.3	2.9	2.9	3.1	7.3	7.6	8.4
						0.2	143.0	23.7		33.5		8.1		89.4		6.2			3.0			7.8		
					M	0.2	146.0	23.7	23.7	33.5	33.5	8.1	8.1	90.1	90.2	6.3	6.3		3.1	3.2		8.1	8.2	
						0.2	139.0	23.7		33.5		8.1		90.2		6.3			3.2			8.3		
					B	0.2	143.0	23.7	23.7	33.5	33.4	8.1	8.1	90.6	90.7	6.3	6.3	6.3	3.2	3.2		9.2	9.3	
						0.2	146.0	23.7		33.4		8.1		90.8		6.3			3.2			9.4		
IM2	Fine	Rough	03:55	12.6	S	0.2	157.0	23.7	23.7	33.6	33.7	8.1	8.1	91.4	91.6	6.4	6.4	6.4	1.0	1.0	1.7	8.0	8.2	6.9
						0.3	163.0	23.6		33.7		8.1		91.7		6.4			1.1			8.3		
					M	0.2	149.0	23.4	23.4	33.9	34.0	8.1	8.1	92.3	92.5	6.5	6.5		1.6	1.5		6.9	6.7	
						0.3	152.0	23.3		34.1		8.1		92.7		6.5			1.5			6.5		
					B	0.2	159.0	23.1	23.1	34.2	34.3	8.1	8.0	93.6	93.9	6.6	6.6	6.6	2.6	2.6		6.0	6.0	
						0.2	162.0	23.0		34.3		8.0		94.2		6.7			2.6			5.9		
IM3	Fine	Rough	05:24	14.0	S	0.2	88.0	24.1	24.1	33.7	33.7	8.2	8.2	90.7	90.7	6.3	6.3	6.3	1.0	1.0	1.6	6.8	6.7	6.2
						0.2	83.0	24.1		33.7		8.2		90.7		6.3			1.1			6.5		
					M	0.2	97.0	24.1	24.1	33.7	33.7	8.2	8.2	90.9	91.0	6.3	6.3		1.4	1.4		6.3	6.2	
						0.3	100.0	24.1		33.8		8.2		91.0		6.3			1.5			6.1		
					B	0.2	79.0	24.0	24.0	33.8	33.9	8.2	8.2	91.6	91.8	6.4	6.4	6.4	2.5	2.5		5.8	5.8	
						0.1	86.0	24.0		33.9		8.2		91.9		6.4			2.5			5.7		
IM4	Fine	Rough	05:46	15.8	S	0.3	108.0	23.8	23.8	34.2	34.2	8.1	8.1	93.3	93.5	6.5	6.5	6.6	2.2	2.1	2.8	5.2	5.1	4.7
						0.3	109.0	23.7		34.2		8.1		93.6		6.5			2.1			5.0		
					M	0.4	100.0	23.6	23.6	34.3	34.3	8.1	8.1	94.2	94.7	6.6	6.6		2.4	2.4		4.6	4.8	
						0.4	97.0	23.5		34.4		8.1		95.2		6.6			2.5			4.9		
					B	0.4	92.0	23.5	23.5	34.3	34.0	8.1	8.1	99.1	99.3	6.9	7.0	7.0	3.9	3.9		4.2	4.3	
						0.3	85.0	23.4		33.7		8.0		99.4		7.0			3.9			4.4		
IM5	Fine	Rough	06:04	13.6	S	0.3	106.0	23.7	23.7	34.4	34.4	8.3	8.2	91.7	91.8	6.4	6.4	6.4	3.4	3.5	4.5	6.1	6.0	6.5
						0.3	103.0	23.7		34.4		8.2		91.8		6.4			3.5			5.8		
					M	0.2	95.0	23.6	23.6	34.4	34.4	8.2	8.2	92.1	92.3	6.4	6.4		4.9	4.9		6.4	6.2	
						0.2	90.0	23.6		34.4		8.2		92.4		6.4			4.9			6.0		
					B	0.3	100.0	23.6	23.6	34.5	34.5	8.2	8.2	92.7	92.8	6.5	6.5	6.5	5.0	5.0		7.0	7.2	
						0.3	104.0	23.6		34.5		8.2		92.9		6.5			5.0			7.4		
IM6	Fine	Rough	06:17	16.2	S	0.4	104.0	23.9	23.9	34.3	34.3	8.2	8.2	95.2	95.2	6.6	6.6	6.6	1.1	1.1	2.7	6.1	6.2	5.7
						0.3	108.0	23.8		34.3		8.2		95.2		6.6			1.1			6.2		
					M	0.3	113.0	23.8	23.8	34.3	34.3	8.2	8.1	95.3	95.7	6.6	6.7		3.0	3.0		5.8	5.7	
						0.3	115.0	23.8		34.3		8.1		96.1		6.7			3.0			5.6		
					B	0.3	102.0	23.8	23.8	34.3	17.9	8.1	8.6	99.8	96.2	6.9	7.3	7.3	4.0	4.0		5.3	5.2	
						0.3	106.0	23.8		1.5		9.0		92.5		7.8			4.0			5.1		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/30** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Fine	Rough	06:45	15.0	S	0.3	85.0	23.8	23.8	34.3	34.3	8.3	8.3	95.9	95.9	6.7	6.7	6.7	1.7	1.7	2.4	4.7	4.6	4.2
						0.3	88.0	23.8		34.3		8.3		95.9		6.7			1.7			4.5		
					M	0.3	95.0	23.8	23.8	34.3	34.3	8.3	8.3	96.0	96.1	6.7	6.7		2.5	2.5		4.4	4.3	
						0.2	98.0	23.8		34.3		8.3		96.1		6.7			2.6			4.1		
					B	0.3	96.0	23.7	23.7	34.3	34.3	8.2	8.2	96.1	96.1	6.7	6.7	6.7	3.0	3.0		3.8	3.7	
						0.3	93.0	23.7		34.3		8.2		96.1		6.7			3.1			3.5		
IM8	Fine	Rough	06:53	12.2	S	0.2	111.0	23.7	23.7	34.5	34.5	8.3	8.3	98.2	98.2	6.8	6.8	6.8	1.0	1.0	1.8	5.3	5.5	4.7
						0.2	104.0	23.7		34.5		8.3		98.1		6.8			1.1			5.6		
					M	0.2	93.0	23.7	23.7	34.5	34.5	8.3	8.3	98.5	98.5	6.8	6.8		1.4	1.5		4.7	4.9	
						0.2	95.0	23.7		34.5		8.3		98.5		6.8			1.5			5.1		
					B	0.2	87.0	23.8	23.8	34.4	34.4	8.3	8.3	98.6	98.6	6.8	6.8	6.8	3.0	3.0		3.5	3.6	
						0.2	86.0	23.8		34.4		8.3		98.6		6.8			3.0			3.7		
IM9	Fine	Rough	07:14	15.2	S	0.5	127.0	23.7	23.7	34.4	34.4	8.3	8.3	98.8	98.8	6.9	6.9	6.9	3.6	3.6	4.3	3.3	3.2	4.0
						0.4	129.0	23.7		34.5		8.3		98.7		6.9			3.7			3.0		
					M	0.5	144.0	23.7	23.7	34.5	34.5	8.3	8.3	99.1	99.2	6.9	6.9		4.1	4.1		4.2	4.1	
						0.5	137.0	23.7		34.5		8.3		99.3		6.9			4.1			4.0		
					B	0.4	121.0	23.8	23.8	34.4	34.4	8.2	8.2	100.4	100.5	7.0	7.0	7.0	5.1	5.1		5.0	4.8	
						0.4	115.0	23.8		34.4		8.2		100.6		7.0			5.2			4.6		
IM10	Cloudy	Moderate	05:38	11.4	S	0.2	54.0	22.9	22.9	31.7	31.7	7.9	7.9	93.7	93.7	6.7	6.7	6.7	6.7	6.7	17.5	8.2	8.0	8.6
						0.3	61.0	22.9		31.7		7.9		93.7		6.7			6.7			7.8		
					M	0.2	61.0	22.8	22.8	31.6	31.6	7.9	7.9	93.3	93.3	6.7	6.7		8.1	8.3		8.4	8.5	
						0.2	60.0	22.8		31.6		7.9		93.2		6.7			8.6			8.6		
					B	0.2	74.0	22.8	22.8	31.6	31.6	7.9	7.9	93.4	93.5	6.7	6.7	6.7	37.3	37.4		9.3	9.2	
						0.3	67.0	22.8		31.6		7.9		93.5		6.7			37.6			9.1		
IM11A	Cloudy	Moderate	05:48	4.8	S	1.1	141.0	22.9	22.9	31.7	31.7	7.9	7.9	92.9	93.0	6.6	6.6	6.6	33.2	33.2	34.0	75.3	75.7	73.0
						1.0	135.0	22.9		31.7		7.9		93.0		6.6			33.2			76.0		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	1.1	148.0	22.9	22.9	31.7	31.7	7.9	7.9	94.0	94.1	6.7	6.7	6.7	34.8	34.8		70.0	70.3	
						1.1	154.0	22.9		31.7		7.9		94.1		6.7			34.8			70.6		
IM12	Cloudy	Moderate	06:00	13.3	S	1.0	148.0	22.8	22.8	31.0	31.0	8.0	8.0	95.0	95.0	6.8	6.8	6.8	6.4	6.4	11.1	30.6	23.6	23.9
						1.0	143.0	22.8		31.0		8.0		95.0		6.8			6.4			16.6		
					M	1.0	146.0	22.7	22.7	31.3	31.3	8.0	8.0	94.5	94.5	6.8	6.8		12.2	12.2		13.6	13.3	
						1.0	146.0	22.7		31.3		8.0		94.5		6.8			12.2			13.0		
					B	1.0	152.0	22.8	22.8	31.3	31.3	8.0	8.0	93.4	93.4	6.7	6.7	6.7	14.9	14.9		30.8	34.8	
						1.0	154.0	22.8		31.3		8.0		93.3		6.7			14.9			38.7		
IM13	Cloudy	Moderate	06:16	16.6	S	0.9	185.0	22.9	22.9	30.9	30.9	8.0	8.0	95.5	95.5	6.9	6.9	6.8	5.8	5.7	9.6	14.6	14.4	13.0
						1.0	189.0	22.9		30.9		8.0		95.5		6.9			5.7			14.1		
					M	0.9	209.0	22.7	22.7	31.3	31.3	8.0	8.0	94.7	94.7	6.8	6.8		11.2	11.2		13.5	13.4	
						0.9	213.0	22.7		31.3		8.0		94.7		6.8			11.2			13.2		
					B	0.9	201.0	22.7	22.7	31.3	31.3	8.0	8.0	94.2	94.2	6.8	6.8	6.8	11.8	11.8		11.5	11.3	
						0.9	199.0	22.7		31.3		8.0		94.2		6.8			11.8			11.1		
IM14	Cloudy	Moderate	06:26	9.5	S	0.7	214.0	22.8	22.8	31.2	31.2	8.0	8.0	95.6	95.6	6.9	6.9	6.8	5.7	5.7	6.1	13.2	13.1	11.9
						0.7	211.0	22.8		31.2		8.0		95.6		6.9			5.7			13.0		
					M	0.8	200.0	22.7	22.7	31.6	31.6	8.0	8.0	94.6	94.6	6.8	6.8		6.1	6.1		11.6	11.8	
						0.8	194.0	22.7		31.6		8.0		94.6		6.8			6.2			12.0		
					B	0.8	185.0	22.7	22.7	31.7	31.7	8.0	8.0	94.0	94.0	6.8	6.8	6.8	6.5	6.6		10.6	10.9	
						0.7	188.0	22.7		31.7		8.0		94.0		6.8			6.6			11.1		
IM15	Cloudy	Calm	05:49	7.8	S	0.9	203.2	24.7	24.7	27.0	27.0	8.0	8.0	91.5	91.7	6.5	6.5	6.4	4.4	4.3	6.1	5.9	5.6	7.2
						0.9	203.2	24.7		27.0		8.0		91.9		6.6			4.1			5.2		
					M	0.5	214.8	24.3	24.3	29.6	29.6	8.0	8.0	89.5	89.5	6.3	6.3		6.9	6.8		7.3	7.6	
						1.2	215.2	24.3		29.6		8.0		89.5		6.3			6.7			7.8		
					B	1.1	168.0	24.3	24.3	29.6	29.6	7.9	7.9	89.6	89.4	6.3	6.3	6.3	7.1	7.4		8.5	8.6	
						1.0	194.2	24.3		29.6		7.9		89.2		6.3			7.6			8.7		
IM16A	Cloudy	Calm	05:26	8.2	S	0.8	176.2	24.6	24.6	26.3	26.4	7.9	7.9	90.5	91.0	6.5	6.5	6.4	4.2	4.1	6.7	3.3	3.6	6.8
						0.3	260.9	24.6		26.4		7.9		91.5		6.6			3.9			3.8		
					M	0.4	158.8	24.5	24.5	28.6	28.6	7.9	7.9	87.8	87.7	6.2	6.2		7.6	7.7		8.0	7.8	
						0.5	192.3	24.5		28.6		7.9		87.6		6.2			7.7			7.6		
					B	0.2	208.7	24.4	24.4	29.0	29.0	7.9	7.9	89.3	89.2	6.3	6.3	6.3	8.5	8.5		9.4	9.2	
						0.7	145.6	24.4		29.0		7.9		89.0		6.3			8.5			8.9		

Water Quality Monitoring Data Log Sheet **Date: 2022/11/30** **Tide: Ebb 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
IM17	Cloudy	Calm	05:09	5.8	S	1.2	186.1	24.7	24.7	23.5	23.4	7.9	7.9	90.9	91.0	6.6	6.6	6.3	3.9	3.7	9.2	6.3	6.1	10.9
						1.2	164.7	24.7		23.4		7.9		91.0		6.6			3.4			5.9		
					M	1.0	164.1	24.9	24.9	27.6	27.5	7.9	7.9	84.9	85.0	6.0	6.0		12.0	11.6		12.7	12.9	
						0.4	166.0	24.9		27.4		7.9		85.1		6.0			11.1			13.1		
					B	0.4	160.5	24.9	24.9	27.7	27.7	7.9	7.9	85.3	85.1	6.0	6.0		11.7	12.4		13.8	13.7	
						0.9	197.1	24.9		27.7		7.9		84.8		6.0			13.0			13.6		
IM18	Cloudy	Calm	04:56	17.8	S	1.5	174.5	24.9	24.8	26.8	26.6	7.9	7.9	87.5	88.3	6.2	6.3	6.2	4.8	4.6	10.8	5.2	5.3	13.8
						1.5	174.5	24.8		26.5		7.9		89.1		6.4			4.4			5.4		
					M	0.7	192.4	24.8	24.8	28.6	28.6	7.9	7.9	86.9	86.9	6.1	6.1		6.4	6.3		8.5	8.7	
						0.5	190.2	24.8		28.7		7.9		86.9		6.1			6.2			8.8		
					B	0.6	102.0	24.5	24.5	30.0	30.0	7.9	7.9	84.6	84.5	6.0	5.9	5.9	21.2	21.6		28.8	27.4	
						0.4	164.2	24.5		30.0		7.9		84.4		5.9			22.0			26.0		
IM19	Cloudy	Calm	03:28	19.2	S	0.4	176.4	24.8	24.8	27.5	27.5	7.8	7.8	89.3	89.4	6.3	6.3	6.3	3.7	3.7	7.7	7.7	7.9	12.5
						0.4	176.4	24.8		27.5		7.7		89.5		6.4			3.6			8.0		
					M	0.2	201.9	24.7	24.7	29.4	29.3	7.7	7.7	88.0	88.1	6.2	6.2		4.5	4.4		10.2	10.0	
						0.2	201.9	24.8		29.3		7.8		88.1		6.2			4.2			9.8		
					B	0.6	146.9	24.5	24.5	30.0	30.0	7.7	7.7	85.2	85.1	6.0	6.0	6.0	15.7	15.0		19.2	19.5	
						0.6	143.8	24.5		30.0		7.7		85.0		6.0			14.2			19.8		
IM20A	Cloudy	Calm	04:02	7.1	S	0.5	260.9	24.9	24.9	26.6	26.6	7.8	7.8	83.9	83.9	6.0	6.0	6.0	3.8	3.8	4.1	6.0	5.9	5.4
						0.5	260.9	24.9		26.6		7.8		83.9		6.0			3.8			5.8		
					M	0.3	268.8	25.1	25.1	27.0	27.0	7.8	7.8	84.9	84.9	6.0	6.0		4.1	4.1		5.2	5.4	
						0.5	10.9	25.1		27.0		7.8		84.8		6.0			4.1			5.6		
					B	0.2	315.6	25.1	25.2	27.1	27.3	7.8	7.8	85.7	85.9	6.1	6.1	6.1	4.1	4.3		4.9	4.8	
						0.2	315.6	25.2		27.4		7.8		86.0		6.1			4.4			4.6		
IM21A	Cloudy	Calm	03:55	7.0	S	0.5	222.3	24.9	24.9	27.0	27.0	7.8	7.8	82.4	82.5	5.9	5.9	5.9	5.0	5.0	5.7	5.9	6.1	7.3
						0.2	175.7	24.9		27.0		7.8		82.5		5.9			5.0			6.2		
					M	0.6	191.0	25.2	25.2	27.4	27.5	7.8	7.8	84.4	84.6	6.0	6.0		6.0	6.1		7.2	7.4	
						0.5	203.2	25.2		27.5		7.8		84.7		6.0			6.1			7.5		
					B	0.4	157.9	25.2	25.3	27.5	27.5	7.8	7.8	85.0	85.1	6.0	6.0	6.0	5.9	6.0		8.3	8.5	
						0.4	292.0	25.3		27.5		7.8		85.2		6.0			6.0			8.7		
IM22A	Cloudy	Calm	03:46	5.7	S	1.3	310.5	26.3	26.3	27.9	27.9	7.8	7.8	89.1	89.2	6.1	6.1	6.1	8.3	8.6	8.6	9.2	9.4	10.1
						1.3	310.5	26.3		27.9		7.8		89.2		6.2			8.9			9.6		
					M	0.5	166.1	26.4	26.4	27.9	27.9	7.8	7.8	89.0	89.1	6.1	6.1		8.5	8.5		10.1	10.3	
						0.2	95.1	26.4		27.9		7.8		89.1		6.1			8.4			10.4		
					B	0.1	189.3	26.3	26.3	27.9	27.9	7.8	7.8	89.1	89.1	6.1	6.1	6.1	8.5	8.6		10.6	10.7	
						0.2	106.3	26.3		27.9		7.8		89.1		6.1			8.7			10.8		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/12/02** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Fine	Rough	17:14	12.2	S	0.2	352.0	21.7	21.7	31.4	31.4	8.0	8.0	94.6	94.6	6.9	6.9	6.9	3.9	3.9	4.1	8.6	8.8	8.0
						0.2	353.0	21.7		31.4		8.0		94.6		6.9			3.9			9.0		
					M	0.2	351.0	21.7	21.7	31.4	31.4	8.0	8.0	94.8	94.9	6.9	6.9		4.1	4.1		8.1	8.0	
						0.2	345.0	21.7		31.4		8.0		94.9		7.0			4.2			7.8		
					B	0.2	20.0	21.8	21.8	31.5	31.5	8.0	8.0	95.7	96.0	7.0	7.0	7.0	4.2	4.3		7.4	7.3	
						0.2	24.0	21.8		31.5		8.0		96.2		7.0			4.3			7.1		
E2	Cloudy	Rough	16:50	8.9	S	0.1	266.0	23.1	23.1	32.5	32.5	8.0	8.0	97.3	97.4	6.7	6.7	6.8	10.0	9.5	10.9	10.7	10.5	9.0
						0.1	262.0	23.0		32.6		8.0		97.4		6.8			9.0			10.2		
					M	0.2	267.0	23.0	23.0	32.5	32.5	8.0	8.0	98.5	98.6	6.8	6.8		10.0	9.8		9.0	8.8	
						0.2	268.0	23.0		32.6		8.0		98.7		6.8			9.6			8.6		
					B	0.1	272.0	23.0	23.0	32.6	32.6	8.0	8.0	99.8	100.0	6.9	6.9	6.9	13.4	13.3		7.7	7.9	
						0.1	270.0	23.0		32.6		8.0		100.1		6.9			13.2			8.0		
E3	Cloudy	Rough	15:58	15.2	S	0.6	305.0	22.8	22.8	32.5	32.5	8.0	8.0	98.8	98.9	6.9	6.8	6.9	7.2	7.2	11.3	8.1	8.3	9.0
						0.5	303.0	22.8		32.6		8.0		98.9		6.8			7.2			8.5		
					M	0.5	299.0	22.8	22.8	32.6	32.6	8.0	8.0	100.6	100.7	7.0	7.0		11.4	11.4		8.8	9.0	
						0.5	292.0	22.8		32.6		8.0		100.7		7.0			11.4			9.2		
					B	0.6	330.0	22.8	22.8	32.6	32.6	8.0	8.0	101.2	101.3	7.0	7.0	7.0	15.0	15.2		9.9	9.8	
						0.6	325.0	22.8		32.5		8.0		101.3		7.0			15.3			9.6		
E4	Cloudy	Rough	13:57	10.8	S	0.3	30.0	23.5	23.5	32.5	32.5	8.0	8.0	95.9	95.9	6.6	6.6	6.7	9.0	9.0	9.2	9.8	9.6	10.6
						0.3	23.0	23.5		32.5		8.0		95.9		6.6			9.0			9.4		
					M	0.3	21.0	23.5	23.5	32.8	32.8	8.0	8.0	98.8	98.8	6.7	6.7		9.3	9.3		10.5	10.6	
						0.3	18.0	23.5		32.8		8.0		98.8		6.8			9.3			10.6		
					B	0.3	31.0	23.4	23.4	32.8	32.8	8.0	8.0	98.0	98.0	6.7	6.7	6.7	9.2	9.2		11.3	11.5	
						0.3	25.0	23.4		32.8		8.0		98.0		6.7			9.2			11.7		
E5	Cloudy	Moderate	13:33	6.5	S	0.5	289.5	22.8	22.8	30.6	30.6	7.8	7.8	89.1	89.2	6.4	6.4	6.4	7.3	7.1	7.5	10.4	10.3	9.2
						0.5	289.5	22.8		30.6		7.8		89.3		6.5			6.8			10.1		
					M	0.3	60.4	22.8	22.8	30.6	30.6	7.8	7.8	88.3	88.3	6.4	6.4		7.5	7.4		9.3	9.1	
						0.7	319.4	22.8		30.6		7.8		88.3		6.4			7.2			8.9		
					B	0.6	62.8	22.7	22.7	30.7	30.7	7.8	7.8	89.8	89.3	6.5	6.4	6.4	8.6	8.2		8.3	8.2	
						0.4	19.5	22.7		30.7		7.8		88.8		6.4			7.8			8.0		
E6	Cloudy	Moderate	15:30	6.3	S	1.3	19.3	23.1	23.1	30.5	30.5	7.9	7.9	88.4	88.3	6.4	6.3	6.3	6.8	6.8	11.5	7.7	7.5	16.5
						1.3	19.3	23.1		30.5		7.9		88.2		6.3			6.7			7.2		
					M	0.8	36.5	23.2	23.1	30.8	30.6	7.9	7.9	86.7	87.5	6.2	6.3		8.0	7.7		15.2	15.6	
						1.5	7.7	23.1		30.5		7.9		88.2		6.3			7.3			15.9		
					B	0.5	8.0	23.4	23.4	31.3	31.3	7.9	7.9	85.3	85.3	6.1	6.1	6.1	20.1	20.0		26.2	26.5	
						0.8	355.3	23.4		31.3		7.9		85.2		6.1			19.8			26.8		
E7A	Cloudy	Moderate	15:08	4.7	S	0.9	41.0	22.9	22.9	28.2	28.3	7.8	7.8	88.7	88.7	6.5	6.5	6.5	4.3	4.3	4.5	4.4	4.6	5.0
						0.9	41.0	23.0		28.4		7.8		88.7		6.5			4.3			4.8		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.6	345.4	23.2	23.3	29.3	29.3	7.8	7.8	87.6	86.9	6.3	6.3	6.3	4.9	4.8		5.2	5.5	
						1.1	36.9	23.4		29.2		7.9		86.1		6.2			4.6			5.7		
F1	Fine	Rough	16:24	17.4	S	0.2	303.0	21.7	21.7	31.4	31.4	8.0	8.0	97.5	97.5	7.2	7.2	7.2	2.0	2.0	3.2	6.9	7.1	7.7
						0.2	307.0	21.7		31.4		8.0		97.5		7.2			2.1			7.2		
					M	0.2	310.0	21.6	21.6	31.4	31.4	8.0	8.0	98.3	98.5	7.2	7.2		3.2	3.2		7.8	7.7	
						0.2	314.0	21.6		31.4		8.0		98.6		7.2			3.3			7.6		
					B	0.2	301.0	21.6	21.6	31.3	31.3	7.9	7.9	100.8	100.8	7.4	7.4	7.4	4.5	4.5		8.2	8.4	
						0.2	296.0	21.6		31.3		7.9		100.8		7.4			4.5			8.6		
F2	Fine	Rough	15:58	22.6	S	0.2	295.0	21.7	21.7	31.4	31.4	8.0	8.0	97.4	97.5	7.1	7.1	7.2	6.2	6.2	7.3	9.3	9.2	7.6
						0.2	296.0	21.7		31.4		8.0		97.6		7.2			6.2			9.0		
					M	0.2	292.0	21.7	21.7	31.4	31.4	8.0	8.0	98.3	98.5	7.2	7.2		7.3	7.3		7.8	8.0	
						0.2	284.0	21.7		31.5		8.0		98.7		7.2			7.3			8.1		
					B	0.2	298.0	21.7	21.7	31.4	31.3	7.9	7.9	100.2	100.6	7.3	7.4	7.4	8.4	8.5		5.7	5.8	
						0.2	295.0	21.7		31.2		7.9		100.9		7.4			8.5			5.8		

Water Quality Monitoring Data Log Sheet **Date: 2022/12/02** **Tide: Flood 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)			Suspended Solids (mg/L)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
F3	Fine	Rough	14:12	15.2	S	0.3	279.0	21.8	21.8	31.8	31.8	8.0	8.0	96.9	97.0	7.1	7.1	7.1	6.0	6.0	7.4	5.9	5.8	7.0
						0.3	272.0	21.8		31.8		8.0		97.0		7.1			6.1			5.6		
					M	0.3	278.0	21.7	21.7	31.8	31.8	8.0	8.0	97.7	97.9	7.1	7.1		7.2	7.2		6.9	7.1	
						0.2	279.0	21.7		31.8		8.0		98.1		7.2			7.1			7.3		
					B	0.3	291.0	21.7	21.7	31.8	31.8	8.0	8.0	99.5	99.8	7.3	7.3	7.3	8.9	8.9		8.3	8.2	
						0.3	287.0	21.7		31.8		8.0		100.1		7.3			8.9			8.0		
F4	Cloudy	Rough	16:10	13.4	S	0.4	275.0	23.1	23.1	32.7	32.7	8.0	8.0	98.3	98.3	6.8	6.7	6.8	4.1	4.2	6.9	6.8	7.0	8.3
						0.4	281.0	23.1		32.7		8.0		98.3		6.7			4.4			7.1		
					M	0.4	283.0	23.0	23.0	32.7	32.7	8.1	8.1	98.4	98.5	6.8	6.8		6.7	6.7		8.3	8.5	
						0.3	277.0	23.0		32.7		8.1		98.5		6.8			6.8			8.7		
					B	0.3	272.0	22.9	22.9	32.7	32.7	8.1	8.1	99.0	99.1	6.8	6.8	6.8	9.4	9.7		9.5	9.3	
						0.3	275.0	22.9		32.7		8.1		99.2		6.9			10.0			9.1		
F5	Cloudy	Rough	13:36	5.4	S	0.1	16.0	23.4	23.4	32.9	32.9	8.0	8.0	97.8	97.8	6.7	6.7	6.7	9.7	9.7	10.8	19.4	19.5	22.0
						0.1	22.0	23.4		32.9		8.0		97.8		6.7			9.7			19.6		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	39.0	23.5	23.5	33.1	33.1	8.1	8.1	97.2	97.2	6.6	6.6	6.6	11.9	11.9		24.8	24.5	
						0.1	35.0	23.5		33.1		8.1		97.2		6.7			11.9			24.1		
F6	Cloudy	Moderate	16:12	14.7	S	0.5	307.3	23.0	23.0	24.9	25.5	7.9	7.9	90.3	90.2	6.7	6.7	6.6	5.1	5.1	9.5	6.0	6.2	11.7
						0.5	307.3	23.0		26.0		7.9		90.1		6.7			5.1			6.3		
					M	1.0	324.8	23.1	23.1	25.2	25.3	7.9	7.9	87.8	87.9	6.5	6.5		6.4	6.2		8.2	8.5	
						1.2	326.2	23.1		25.5		7.9		88.0		6.5			6.0			8.7		
					B	0.5	319.5	23.4	23.4	26.3	26.1	7.9	7.9	85.1	85.0	6.2	6.2	6.2	17.6	17.2		20.3	20.4	
						0.5	319.5	23.4		25.9		7.9		84.9		6.2			16.7			20.4		
IM1	Fine	Rough	16:38	11.4	S	0.1	2.0	21.7	21.7	31.4	31.4	8.0	8.0	94.4	94.5	6.9	6.9	6.9	3.7	3.7	4.3	6.7	6.8	6.3
						0.1	8.0	21.7		31.4		8.0		94.5		6.9			3.7			6.9		
					M	0.1	354.0	21.7	21.7	31.4	31.4	8.0	8.0	94.7	94.8	6.9	6.9		4.2	4.1		6.1	6.3	
						0.1	357.0	21.7		31.4		8.0		94.8		7.0			4.1			6.4		
					B	0.1	4.0	21.7	21.7	31.4	31.4	8.0	8.0	95.1	95.2	7.0	7.0	7.0	5.1	5.1		5.9	5.8	
						0.1	0.0	21.7		31.4		8.0		95.3		7.0			5.0			5.6		
IM2	Fine	Rough	16:55	9.8	S	0.3	10.0	21.8	21.8	31.5	31.5	8.0	8.0	96.7	96.9	7.1	7.1	7.1	2.6	2.5	3.4	6.9	6.7	7.2
						0.3	3.0	21.8		31.5		8.0		97.0		7.1			2.5			6.5		
					M	0.3	357.0	21.9	21.9	31.6	31.6	8.0	8.0	97.9	98.2	7.1	7.2		3.4	3.4		7.1	7.2	
						0.3	3.0	21.9		31.6		8.0		98.4		7.2			3.4			7.3		
					B	0.2	14.0	21.9	21.9	31.7	31.7	8.0	8.0	99.8	100.2	7.3	7.3	7.3	4.1	4.1		7.8	7.7	
						0.2	9.0	21.9		31.7		8.0		100.5		7.3			4.2			7.5		
IM3	Fine	Rough	15:37	16.4	S	0.2	248.0	22.3	22.3	32.1	32.1	8.1	8.1	98.5	98.6	7.1	7.1	7.1	6.0	6.0	7.1	6.8	6.7	5.7
						0.2	248.0	22.3		32.1		8.1		98.7		7.1			6.0			6.5		
					M	0.1	264.0	22.3	22.3	32.1	32.1	8.1	8.1	99.5	99.6	7.2	7.2		7.2	7.1		5.7	5.6	
						0.1	261.0	22.3		32.1		8.1		99.6		7.2			7.1			5.4		
					B	0.1	248.0	22.3	22.3	32.1	32.1	8.1	8.1	100.5	100.9	7.3	7.3	7.3	8.1	8.1		4.6	4.8	
						0.1	246.0	22.3		32.1		8.1		101.3		7.3			8.2			5.0		
IM4	Fine	Rough	15:16	15.0	S	0.3	276.0	22.2	22.2	32.0	32.0	8.1	8.1	94.9	94.8	6.9	6.9	6.8	6.5	6.5	7.3	5.7	5.9	6.4
						0.4	279.0	22.2		32.0		8.1		94.7		6.9			6.5			6.1		
					M	0.3	286.0	22.2	22.2	32.0	32.0	8.1	8.1	94.5	94.5	6.8	6.8		7.2	7.2		6.5	6.4	
						0.3	289.0	22.2		32.0		8.1		94.5		6.8			7.2			6.3		
					B	0.3	300.0	22.3	22.3	32.0	32.0	8.1	8.1	94.7	94.9	6.9	6.9	6.9	8.1	8.1		6.6	6.8	
						0.3	300.0	22.3		32.0		8.1		95.1		6.9			8.0			7.0		
IM5	Fine	Rough	14:59	14.0	S	0.3	273.0	22.2	22.2	32.0	32.0	8.1	8.1	99.3	99.4	7.2	7.2	7.2	4.5	4.5	5.5	6.5	6.4	6.9
						0.3	277.0	22.2		32.0		8.1		99.5		7.2			4.5			6.2		
					M	0.2	285.0	22.1	22.1	32.0	32.0	8.1	8.1	100.3	100.6	7.3	7.3		5.0	5.0		7.1	7.1	
						0.3	285.0	22.1		32.0		8.1		100.8		7.3			5.1			7.0		
					B	0.2	271.0	22.1	22.1	32.0	32.0	8.1	8.1	101.7	102.0	7.4	7.4	7.4	6.9	6.9		7.5	7.4	
						0.2	269.0	22.1		32.0		8.1		102.2		7.4			7.0			7.3		
IM6	Fine	Rough	14:30	14.4	S	0.2	285.0	22.2	22.2	32.0	32.0	8.1	8.1	98.6	98.7	7.1	7.1	7.2	6.7	6.6	7.3	5.7	5.6	6.0
						0.2	287.0	22.2		32.0		8.1		98.7		7.1			6.6			5.5		
					M	0.2	303.0	22.1	22.1	32.0	32.0	8.0	8.0	99.3	99.3	7.2	7.2		7.5	7.5		6.0	5.9	
						0.2	302.0	22.1		32.0		8.0		99.3		7.2			7.5			5.7		
					B	0.2	308.0	22.0	22.1	31.8	31.8	8.0	8.0	100.3	101.1	7.3	7.3	7.3	7.8	7.9		6.6	6.5	
						0.2	300.0	22.1		31.8		8.0		101.8		7.4			7.9			6.4		

Water Quality Monitoring Data Log Sheet **Date: 2022/12/02** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Fine	Rough	13:44	12.0	S	0.3	277.0	22.1	22.1	32.1	32.1	8.1	8.1	99.8	99.9	7.2	7.2	7.3	2.2	2.2	3.6	5.6	5.4	6.6
						0.3	283.0	22.1		32.2		8.1		99.9		7.2			2.1			5.2		
					M	0.2	292.0	22.1	22.1	32.2	32.2	8.1	8.1	100.6	100.8	7.3	7.3		3.9	3.9		6.7	6.9	
						0.2	289.0	22.1		32.2		8.1		100.9		7.3			3.9			7.0		
					B	0.2	278.0	22.1	22.1	32.2	32.2	8.1	8.1	102.0	102.3	7.4	7.4	7.4	4.7	4.7		7.4	7.5	
						0.2	272.0	22.1		32.2		8.1		102.6		7.4			4.7			7.6		
IM8	Fine	Rough	13:52	13.6	S	0.2	282.0	22.1	22.1	32.0	32.0	8.1	8.1	98.4	98.5	7.1	7.1	7.2	3.8	3.8	4.8	8.0	8.1	7.1
						0.2	287.0	22.1		32.0		8.1		98.5		7.1			3.8			8.2		
					M	0.3	267.0	22.1	22.1	32.0	32.0	8.1	8.1	99.6	99.8	7.2	7.2		4.7	4.7		7.4	7.2	
						0.3	261.0	22.1		32.0		8.1		100.0		7.3			4.7			7.0		
					B	0.3	268.0	22.1	22.1	32.0	32.0	8.1	8.1	100.9	101.6	7.3	7.4	7.4	6.0	6.0		5.8	6.0	
						0.3	263.0	22.1		32.0		8.1		102.2		7.4			6.0			6.2		
IM9	Fine	Rough	13:26	14.2	S	0.2	301.0	22.2	22.2	32.1	32.1	8.2	8.2	97.7	97.8	7.1	7.1	7.1	1.6	1.6	2.6	7.7	7.8	7.0
						0.3	302.0	22.2		32.1		8.2		97.8		7.1			1.6			7.8		
					M	0.3	282.0	22.2	22.2	32.1	32.1	8.2	8.2	97.9	97.9	7.1	7.1		2.6	2.6		6.7	6.9	
						0.3	277.0	22.2		32.1		8.2		97.9		7.1			2.7			7.0		
					B	0.3	304.0	22.2	22.2	32.1	32.1	8.2	8.2	98.0	98.0	7.1	7.1	7.1	3.7	3.7		6.4	6.3	
						0.3	298.0	22.2		32.1		8.2		98.0		7.1			3.6			6.1		
IM10	Cloudy	Rough	15:32	11.3	S	0.3	243.0	23.8	23.8	31.7	31.7	7.9	7.9	96.1	97.5	6.6	6.6	6.7	12.8	12.8	12.4	7.8	7.7	9.1
						0.2	249.0	23.8		31.7		7.9		98.9		6.6			12.7			7.5		
					M	0.3	231.0	23.6	23.6	31.7	31.7	7.9	7.9	98.4	96.9	6.8	6.8		13.0	13.1		9.2	9.0	
						0.2	235.0	23.6		31.7		7.9		95.3		6.8			13.2			8.8		
					B	0.3	234.0	23.6	23.6	31.7	31.7	7.9	7.9	95.3	95.2	6.6	6.6	6.6	11.4	11.3		10.4	10.6	
						0.3	230.0	23.6		31.7		7.9		95.1		6.6			11.3			10.8		
IM11A	Cloudy	Rough	15:20	5.5	S	0.7	334.0	22.4	22.4	32.2	32.2	8.0	8.0	97.4	97.5	6.8	6.8	6.8	9.5	9.5	11.1	8.9	9.1	9.5
						0.7	327.0	22.4		32.2		8.0		97.6		6.8			9.5			9.2		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.7	339.0	22.2	22.2	32.2	32.2	8.0	8.0	101.0	101.2	7.1	7.1	7.1	12.8	12.7		9.8	10.0	
						0.7	344.0	22.2		32.2		8.0		101.3		7.1			12.6			10.2		
IM12	Cloudy	Rough	14:54	14.8	S	0.6	336.0	23.5	23.5	32.7	32.7	7.9	7.9	96.1	97.5	6.5	6.6	6.6	16.5	16.5	16.6	7.3	7.6	9.2
						0.6	328.0	23.5		32.7		7.9		98.9		6.7			16.5			7.9		
					M	0.6	336.0	23.4	23.4	33.0	33.0	8.0	8.0	96.9	96.9	6.6	6.6		18.0	18.0		9.3	9.5	
						0.5	328.0	23.4		33.0		8.0		96.9		6.6			18.0			9.6		
					B	0.6	335.0	23.4	23.4	33.3	33.3	8.0	8.0	97.3	97.3	6.7	6.7	6.7	15.3	15.3		10.3	10.5	
						0.6	331.0	23.4		33.3		8.0		97.3		6.7			15.4			10.7		
IM13	Cloudy	Rough	14:23	16.7	S	0.4	11.0	23.5	23.5	32.4	32.4	8.0	8.0	97.1	97.1	6.7	6.7	6.7	9.1	9.1	13.9	9.6	9.8	10.4
						0.3	12.0	23.5		32.4		8.0		97.1		6.7			9.1			9.9		
					M	0.4	23.0	23.5	23.5	32.7	32.7	8.0	8.0	98.4	98.4	6.8	6.8		16.3	16.3		10.6	10.4	
						0.4	25.0	23.5		32.7		8.0		98.4		6.8			16.3			10.2		
					B	0.4	14.0	23.5	23.5	32.8	32.8	8.0	8.0	96.6	96.6	6.6	6.6	6.6	16.2	16.2		11.0	11.2	
						0.4	16.0	23.5		32.8		8.0		96.6		6.6			16.2			11.3		
IM14	Cloudy	Rough	14:10	11.6	S	0.3	42.0	23.6	23.6	32.1	32.1	8.0	8.0	95.4	95.4	6.5	6.5	6.6	8.8	8.8	12.1	10.4	10.2	9.2
						0.3	43.0	23.6		32.1		8.0		95.4		6.5			8.8			10.0		
					M	0.4	46.0	23.5	23.5	32.8	32.8	8.0	8.0	99.2	99.2	6.8	6.8		13.4	13.4		9.1	9.3	
						0.4	51.0	23.5		32.8		8.0		99.2		6.8			13.4			9.5		
					B	0.3	28.0	23.5	23.5	32.8	32.8	8.0	8.0	96.4	96.4	6.6	6.6	6.6	14.1	14.1		8.1	8.0	
						0.4	34.0	23.5		32.8		8.0		96.4		6.6			14.1			7.8		
IM15	Cloudy	Moderate	13:22	7.0	S	0.6	291.0	22.6	22.6	30.7	30.7	7.8	7.8	90.8	90.8	6.6	6.6	6.6	6.8	6.9	7.0	7.5	7.4	8.1
						0.6	291.0	22.6		30.7		7.8		90.8		6.6			7.0			7.2		
					M	0.5	348.5	22.6	22.6	30.7	30.7	7.8	7.8	90.5	90.6	6.6	6.6		7.2	7.1		8.2	8.0	
						0.7	163.8	22.6		30.7		7.8		90.7		6.6			6.9			7.8		
					B	0.4	297.1	22.6	22.6	30.7	30.7	7.7	7.7	90.5	90.4	6.6	6.5	6.5	7.3	7.1		9.0	8.8	
						0.7	352.8	22.6		30.7		7.8		90.3		6.5			6.8			8.6		
IM16A	Cloudy	Moderate	13:46	8.0	S	0.2	208.0	22.8	22.8	29.7	29.7	7.8	7.8	89.1	89.1	6.5	6.5	6.5	5.7	5.7	7.2	6.8	6.6	7.9
						0.2	208.0	22.8		29.7		7.8		89.1		6.5			5.6			6.4		
					M	0.9	289.7	22.7	22.7	30.0	29.9	7.8	7.8	88.9	88.9	6.4	6.4		7.9	7.5		8.2	8.1	
						0.9	289.7	22.7		29.8		7.8		88.9		6.5			7.1			7.9		
					B	0.7	62.5	22.7	22.7	30.2	30.2	7.7	7.8	89.8	89.6	6.5	6.5	6.5	8.4	8.5		9.2	9.1	
						1.0	82.4	22.7		30.2		7.8		89.4		6.5			8.5			9.0		

Water Quality Monitoring Data Log Sheet **Date: 2022/12/02** **Tide: Flood tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Moderate	14:05	5.3	S	1.1	312.5	23.1	23.1	29.6	29.6	7.8	7.8	88.7	88.8	6.4	6.4	6.4	5.8	5.5	6.7	6.0	6.2	7.7
						1.1	312.5	23.1		29.6		7.8		88.9		6.4			5.2			6.4		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.3	73.9	23.0	22.9	30.1	30.1	7.8	7.8	88.4	88.5	6.4	6.4	6.4	7.8	8.0		9.1	9.3	
						0.2	243.1	22.9		30.0		7.8		88.5		6.4			8.1			9.4		
IM18	Cloudy	Moderate	14:14	17.3	S	0.4	243.4	23.3	23.3	30.2	30.2	7.8	7.8	88.8	88.4	6.4	6.3	6.2	4.7	4.7	8.5	6.9	7.1	11.2
						0.4	243.4	23.3		30.2		7.8		87.9		6.3			4.6			7.3		
					M	0.2	265.9	23.3	23.3	31.0	31.1	7.9	7.9	85.3	85.3	6.1	6.1		5.5	5.8		11.4	11.7	
						0.6	319.6	23.4		31.3		7.9		85.2		6.1			6.0			12.0		
					B	0.6	328.3	23.5	23.4	31.5	31.5	7.8	7.8	84.5	84.4	6.0	6.0	6.0	16.4	15.2		15.0	14.8	
						0.9	332.9	23.4		31.5		7.9		84.2		6.0			14.0			14.5		
IM19	Cloudy	Moderate	14:27	18.0	S	0.9	41.8	23.3	23.3	30.0	30.0	7.8	7.8	87.8	88.0	6.3	6.3	6.2	4.3	4.3	8.3	4.5	4.3	9.4
						0.3	48.2	23.3		30.0		7.8		88.2		6.3			4.2			4.0		
					M	0.6	23.5	23.5	23.5	31.2	31.2	7.9	7.9	85.6	85.4	6.1	6.1		4.6	4.4		5.6	5.8	
						0.8	24.4	23.5		31.2		7.9		85.1		6.0			4.2			5.9		
					B	0.4	19.4	23.6	23.6	31.7	31.7	7.8	7.8	84.5	84.5	6.0	6.0	6.0	15.8	16.2		18.4	18.1	
						0.2	292.7	23.6		31.7		7.9		84.4		6.0			16.5			17.8		
IM20A	Cloudy	Moderate	14:53	6.7	S	0.3	156.3	23.4	23.4	29.9	29.8	7.8	7.8	87.4	87.9	6.3	6.3	6.2	4.7	4.5	6.6	5.5	5.3	8.1
						0.3	156.3	23.3		29.6		7.8		88.3		6.4			4.2			5.1		
					M	0.8	39.8	23.4	23.4	30.7	30.6	7.8	7.8	85.9	85.9	6.1	6.1		7.7	7.4		8.8	9.0	
						0.6	42.2	23.4		30.6		7.8		85.8		6.1			7.0			9.2		
					B	0.6	1.1	23.4	23.4	30.7	30.7	7.8	7.8	86.3	86.1	6.2	6.1	6.1	7.4	8.0		10.3	10.1	
						0.7	18.1	23.4		30.7		7.8		85.9		6.1			8.5			9.9		
IM21A	Cloudy	Moderate	14:45	6.4	S	0.4	329.0	23.4	23.4	30.1	30.0	7.8	7.8	87.7	87.9	6.3	6.3	6.3	5.1	4.8	5.9	5.0	4.9	7.3
						0.4	329.0	23.4		30.0		7.8		88.0		6.3			4.5			4.8		
					M	0.9	55.7	23.3	23.3	30.4	30.4	7.8	7.8	86.9	86.9	6.2	6.2		6.3	6.6		8.2	8.1	
						0.5	46.2	23.3		30.4		7.8		86.9		6.2			6.8			7.9		
					B	0.4	128.4	23.3	23.3	30.4	30.4	7.8	7.8	87.6	87.4	6.3	6.3	6.3	6.1	6.3		9.0	8.8	
						0.5	21.7	23.3		30.4		7.8		87.1		6.2			6.5			8.6		
IM22A	Cloudy	Moderate	14:40	4.6	S	0.5	60.5	23.3	23.4	30.3	30.2	7.8	7.8	87.9	88.1	6.3	6.3	6.3	5.0	4.7	5.6	9.5	9.3	7.8
						0.5	60.5	23.4		30.2		7.8		88.2		6.3			4.4			9.1		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.9	37.5	23.3	23.3	30.3	30.3	7.8	7.8	87.9	87.8	6.3	6.3	6.3	6.2	6.4		6.2	6.4	
						0.5	61.3	23.3		30.3		7.8		87.6		6.3			6.6			6.5		

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; S: 1 m above the seabed

Water Quality Monitoring Data Log Sheet **Date: 2022/12/02** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
E1	Fine	Rough	05:50	11.0	S	0.1	153.0	21.9	21.9	31.6	31.6	7.8	7.8	92.6	92.6	6.8	6.8	6.8	2.7	2.7	3.6	6.0	6.2	7.0
						0.1	148.0	21.9		31.6		7.8		92.6		6.8			2.8			6.4		
					M	0.1	150.0	21.9	21.9	31.6	31.6	7.8	7.8	92.8	92.8	6.8	6.8		3.6	3.6		6.9	7.1	
						0.1	149.0	21.9		31.6		7.8		92.8		6.8			3.6			7.2		
					B	0.1	139.0	21.8	21.8	31.5	31.5	7.8	7.8	93.5	93.6	6.8	6.8	6.8	4.7	4.6		7.6	7.8	
						0.1	139.0	21.8		31.5		7.8		93.7		6.8			4.6			8.0		
E2	Cloudy	Moderate	06:33	8.5	S	0.1	88.0	23.0	23.0	32.4	32.4	8.0	8.0	93.4	93.4	6.6	6.6	6.6	9.0	9.1	12.2	18.7	18.8	18.3
						0.1	92.0	23.0		32.4		8.0		93.4		6.6			9.1			18.9		
					M	0.1	104.0	23.0	23.0	32.4	32.4	8.0	8.0	93.4	93.4	6.6	6.6		12.4	12.5		18.5	18.4	
						0.1	104.0	23.0		32.4		8.0		93.4		6.6			12.7			18.2		
					B	0.1	82.0	23.0	23.0	32.4	32.4	8.0	8.0	93.5	93.5	6.6	6.6	6.6	14.9	14.9		17.4	17.7	
						0.1	87.0	22.9		32.4		8.0		93.5		6.6			14.9			17.9		
E3	Cloudy	Moderate	07:16	14.5	S	0.6	133.0	22.9	22.9	32.4	32.4	8.0	8.0	95.9	95.9	6.6	6.6	6.6	13.3	13.2	13.7	19.8	20.0	19.1
						0.6	136.0	22.9		32.4		8.0		95.9		6.6			13.2			20.2		
					M	0.5	129.0	22.8	22.8	32.4	32.4	8.0	8.0	96.3	96.3	6.7	6.7		12.5	12.7		19.3	19.5	
						0.5	131.0	22.8		32.4		8.0		96.3		6.7			12.8			19.6		
					B	0.5	145.0	22.7	22.7	32.5	32.5	8.0	8.0	97.3	97.4	6.7	6.8	6.8	15.1	15.1		17.6	17.8	
						0.5	151.0	22.7		32.5		8.0		97.5		6.8			15.1			18.0		
E4	Cloudy	Rough	08:22	13.5	S	0.6	190.0	22.9	22.9	32.4	32.4	8.0	8.0	96.3	97.0	6.7	6.7	6.7	8.7	8.7	11.4	17.8	18.0	18.9
						0.6	193.0	22.9		32.4		8.0		97.6		6.7			8.7			18.1		
					M	0.6	214.0	22.9	22.9	32.9	32.9	8.0	8.0	97.6	96.9	6.7	6.7		10.4	10.4		18.8	19.1	
						0.6	214.0	22.9		32.9		8.0		96.1		6.6			10.4			19.3		
					B	0.6	212.0	22.9	22.9	32.9	32.9	8.0	8.0	96.1	95.8	6.6	6.6	6.6	15.1	15.1		19.9	19.7	
						0.6	206.0	22.9		32.9		8.0		95.5		6.6			15.1			19.5		
E5	Cloudy	Calm	08:04	7.0	S	0.4	125.9	22.7	22.7	31.7	31.7	8.0	8.0	92.6	92.6	6.7	6.7	6.7	10.6	10.7	11.3	11.9	11.7	12.2
						0.4	125.9	22.7		31.7		8.0		92.5		6.7			10.7			11.4		
					M	0.3	224.5	22.7	22.7	31.7	31.7	8.0	8.0	92.5	92.5	6.7	6.6		11.5	11.6		12.3	12.3	
						0.6	190.9	22.7		31.7		8.0		92.4		6.6			11.7			12.2		
					B	1.1	194.2	22.7	22.7	31.8	31.8	7.9	8.0	92.7	92.6	6.7	6.7	6.7	11.3	11.7		12.4	12.6	
						0.9	154.6	22.7		31.8		8.0		92.5		6.7			12.0			12.8		
E6	Cloudy	Calm	06:53	7.0	S	1.2	265.4	23.0	23.0	30.5	30.5	7.9	7.9	88.6	88.7	6.4	6.4	6.4	3.9	4.0	4.4	3.6	3.9	5.1
						1.2	265.4	23.0		30.5		7.9		88.7		6.4			4.0			4.1		
					M	0.4	194.2	23.1	23.1	30.5	30.5	7.9	7.9	88.5	88.6	6.4	6.4		4.3	4.2		5.0	5.3	
						0.6	37.2	23.1		30.5		7.9		88.6		6.4			4.1			5.5		
					B	0.3	80.3	23.4	23.4	31.1	31.1	7.8	7.9	87.1	86.9	6.2	6.2	6.2	5.1	5.0		6.1	6.3	
						1.2	64.7	23.4		31.1		7.9		86.6		6.2			4.9			6.4		
E7A	Cloudy	Calm	06:36	5.3	S	1.1	246.3	22.7	22.6	28.9	28.9	7.9	7.9	89.5	88.6	6.5	6.5	6.5	3.2	3.1	3.3	3.2	3.5	4.2
						1.1	246.3	22.6		28.9		7.9		87.7		6.4			3.0			3.7		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.1	313.2	23.4	23.2	30.3	29.9	7.8	7.9	86.9	87.0	6.2	6.3	6.3	3.6	3.5		4.7	4.9	
						0.8	124.0	23.0		29.5		7.9		87.1		6.3			3.4			5.1		
F1	Fine	Rough	06:37	18.2	S	0.1	145.0	22.3	22.3	31.9	31.8	7.9	7.9	93.9	93.9	6.8	6.8	6.8	6.9	6.8	7.5	6.1	6.3	7.3
						0.1	146.0	22.3		31.8		7.9		93.9		6.8			6.8			6.4		
					M	0.1	145.0	22.2	22.2	31.8	31.8	7.9	7.9	93.8	93.8	6.8	6.8		7.6	7.6		7.5	7.4	
						0.1	151.0	22.2		31.8		7.9		93.8		6.8			7.6			7.2		
					B	0.1	124.0	22.2	22.2	31.8	31.8	7.9	7.9	93.8	93.9	6.8	6.8	6.8	8.0	8.0		8.3	8.2	
						0.1	131.0	22.2		31.8		7.9		93.9		6.8			8.1			8.0		
F2	Fine	Rough	07:06	23.2	S	0.1	138.0	22.1	22.1	32.0	32.0	7.9	7.9	95.9	95.9	7.0	7.0	7.0	5.0	5.0	6.3	5.7	5.5	6.4
						0.1	140.0	22.1		32.0		7.9		95.9		7.0			5.1			5.3		
					M	0.1	129.0	22.1	22.1	32.0	32.0	7.9	7.9	96.3	96.5	7.0	7.0		6.3	6.3		6.4	6.2	
						0.2	127.0	22.1		32.0		7.9		96.6		7.0			6.3			6.0		
					B	0.1	124.0	22.1	22.1	32.0	32.0	7.9	7.9	97.6	97.8	7.1	7.1	7.1	7.6	7.6		7.2	7.4	
						0.1	130.0	22.1		32.0		7.9		97.9		7.1			7.5			7.5		

Water Quality Monitoring Data Log Sheet **Date: 2022/12/02** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
F3	Fine	Rough	08:31	16.8	S	0.2	126.0	22.1	22.1	32.2	32.2	7.9	7.9	99.5	99.6	7.2	7.2	7.3	2.5	2.5	3.3	6.4	6.3	7.5
						0.2	130.0	22.0		32.2		7.9		99.7		7.2			2.5			6.1		
					M	0.2	141.0	22.0	22.0	32.2	32.2	7.9	7.9	100.6	100.8	7.3	7.3		3.1	3.1		7.5	7.7	
						0.2	134.0	22.0		32.2		7.9		100.9		7.3			3.2			7.8		
					B	0.2	115.0	22.0	22.0	32.2	32.1	7.9	7.9	102.3	102.7	7.4	7.5	7.5	4.5	4.5		8.3	8.5	
						0.2	116.0	22.0		32.0		7.9		103.0		7.5			4.4			8.6		
F4	Cloudy	Moderate	06:58	12.2	S	0.3	108.0	22.9	22.9	32.6	32.6	8.0	8.0	95.8	95.8	6.6	6.6	6.6	10.2	10.2	12.7	21.3	21.6	20.5
						0.2	111.0	22.9		32.6		8.0		95.8		6.6			10.3			21.9		
					M	0.2	77.0	22.9	22.9	32.6	32.6	8.0	8.0	96.0	96.1	6.6	6.6		10.8	10.9		20.5	20.4	
						0.1	72.0	22.9		32.6		8.0		96.1		6.7			10.9			20.2		
					B	0.3	92.0	22.8	22.8	32.6	32.6	8.0	8.0	97.5	97.6	6.7	6.7	6.7	16.5	16.9		19.3	19.5	
						0.3	95.0	22.8		32.6		8.0		97.6		6.8			17.4			19.6		
F5	Cloudy	Rough	08:50	5.2	S	0.4	199.0	23.0	23.0	32.2	32.2	7.9	7.9	97.6	97.5	6.8	6.8	6.8	9.3	9.3	9.1	10.7	10.9	10.3
						0.4	203.0	23.0		32.2		7.9		97.4		6.8			9.3			11.0		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.4	226.0	22.9	22.9	32.4	32.4	7.9	7.9	97.4	96.8	6.8	6.7	6.7	9.0	9.0		9.9	9.7	
						0.4	227.0	22.9		32.4		7.9		96.2		6.7			9.0			9.5		
F6	Cloudy	Calm	08:46	14.3	S	1.2	137.2	22.8	22.8	30.5	30.5	7.9	7.9	89.9	90.0	6.5	6.5	6.5	4.7	4.8	8.0	3.1	3.3	7.1
						1.2	137.2	22.8		30.5		7.9		90.0		6.5			4.8			3.4		
					M	0.3	201.1	22.7	22.7	30.4	30.4	7.9	7.9	89.9	89.8	6.5	6.5		5.4	5.1		4.9	4.6	
						0.9	148.9	22.8		30.4		7.9		89.6		6.5			4.8			4.3		
					B	0.6	55.5	22.8	22.8	31.0	31.1	7.9	7.9	90.4	90.3	6.5	6.5	6.5	13.2	14.2		13.3	13.5	
						0.9	5.3	22.8		31.2		8.0		90.1		6.5			15.2			13.7		
IM1	Fine	Rough	06:20	13.4	S	0.1	147.0	22.1	22.1	31.8	31.8	7.8	7.8	95.0	95.1	6.9	6.9	6.9	6.8	6.8	7.4	5.4	5.6	6.1
						0.1	149.0	22.1		31.8		7.8		95.1		6.9			6.8			5.8		
					M	0.1	140.0	22.1	22.1	31.8	31.8	7.8	7.8	95.3	95.3	6.9	6.9		7.4	7.5		6.0	6.2	
						0.2	137.0	22.1		31.8		7.8		95.3		6.9			7.5			6.3		
					B	0.1	131.0	22.1	22.1	31.8	31.8	7.8	7.8	95.2	95.8	6.9	7.0	7.0	8.1	8.1		6.4	6.6	
						0.1	127.0	22.1		31.8		7.8		96.3		7.0			8.1			6.8		
IM2	Fine	Rough	06:01	12.4	S	0.1	154.0	21.7	21.7	31.3	31.3	7.8	7.8	91.0	91.1	6.7	6.7	6.7	6.4	6.5	7.2	5.7	5.5	6.1
						0.1	155.0	21.7		31.3		7.8		91.1		6.7			6.5			5.3		
					M	0.1	150.0	21.7	21.7	31.3	31.2	7.8	7.8	91.4	91.5	6.7	6.7		7.1	7.1		5.9	6.1	
						0.1	148.0	21.7		31.2		7.8		91.6		6.7			7.1			6.2		
					B	0.1	133.0	21.7	21.7	31.2	31.2	7.8	7.8	92.0	92.1	6.7	6.8	6.8	8.0	8.0		6.6	6.8	
						0.2	133.0	21.7		31.2		7.8		92.2		6.8			8.1			6.9		
IM3	Fine	Rough	07:30	14.2	S	0.1	87.0	22.0	22.0	32.2	32.2	7.9	7.9	99.9	100.0	7.2	7.2	7.3	3.2	3.2	4.3	7.3	7.2	6.6
						0.1	87.0	22.0		32.2		7.9		100.1		7.3			3.2			7.0		
					M	0.1	99.0	22.0	22.0	32.2	32.2	7.9	7.9	100.8	101.1	7.3	7.3		4.2	4.3		6.4	6.6	
						0.1	98.0	22.0		32.2		7.9		101.3		7.3			4.3			6.7		
					B	0.1	108.0	22.0	22.0	32.1	32.1	7.9	7.9	102.4	102.8	7.4	7.5	7.5	5.5	5.5		6.0	6.1	
						0.1	104.0	22.0		32.1		7.9		103.1		7.5			5.6			6.2		
IM4	Fine	Rough	07:52	15.0	S	0.2	117.0	22.1	22.1	32.2	32.2	7.9	7.9	98.6	98.8	7.1	7.2	7.2	3.1	3.1	4.6	5.0	5.2	5.8
						0.2	119.0	22.1		32.2		7.9		99.0		7.2			3.1			5.4		
					M	0.2	109.0	22.1	22.1	32.2	32.2	7.9	7.9	99.5	99.6	7.2	7.2		4.7	4.6		5.6	5.8	
						0.2	104.0	22.1		32.2		7.9		99.7		7.2			4.6			6.0		
					B	0.2	111.0	22.1	22.1	32.1	32.2	7.9	7.9	100.6	101.3	7.3	7.3	7.3	6.0	5.9		6.5	6.4	
						0.2	115.0	22.1		32.2		7.9		101.9		7.4			5.9			6.3		
IM5	Fine	Rough	08:10	13.4	S	0.1	125.0	22.1	22.1	32.3	32.3	7.9	7.9	99.7	99.8	7.2	7.2	7.3	3.9	3.9	4.5	6.3	6.5	5.7
						0.1	131.0	22.1		32.3		7.9		99.8		7.2			3.9			6.6		
					M	0.1	97.0	22.1	22.1	32.3	32.3	7.9	7.9	100.4	100.5	7.3	7.3		4.4	4.4		5.6	5.7	
						0.1	93.0	22.1		32.3		7.9		100.6		7.3			4.4			5.8		
					B	0.2	132.0	22.1	22.1	32.2	32.2	7.9	7.9	102.0	102.3	7.4	7.4	7.4	5.0	5.1		4.7	4.9	
						0.2	137.0	22.1		32.2		7.9		102.6		7.4			5.1			5.1		
IM6	Fine	Rough	08:22	16.4	S	0.2	111.0	22.1	22.1	32.3	32.3	8.0	8.0	97.0	97.0	7.0	7.0	7.0	1.4	1.5	2.9	6.0	6.3	7.4
						0.2	107.0	22.1		32.3		8.0		97.0		7.0			1.5			6.6		
					M	0.2	125.0	22.1	22.1	32.3	32.3	8.0	8.0	97.4	97.5	7.1	7.1		3.0	3.0		7.4	7.6	
						0.2	129.0	22.1		32.3		8.0		97.6		7.1			2.9			7.8		
					B	0.2	128.0	22.1	22.1	32.3	32.3	8.0	8.0	98.2	98.4	7.1	7.1	7.1	4.3	4.3		8.2	8.4	
						0.2	124.0	22.1		32.3		8.0		98.5		7.1			4.3			8.5		

Water Quality Monitoring Data Log Sheet **Date: 2022/12/02** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM7	Fine	Rough	08:50	15.2	S	0.2	119.0	22.0	22.0	32.2	32.2	7.9	7.9	95.7	95.8	6.9	6.9	7.0	4.9	4.9	5.7	6.4	6.6	6.0
						0.2	121.0	22.0		32.2		7.9		95.8		6.9			4.9			6.8		
					M	0.2	96.0	22.0	22.0	32.2	32.2	7.9	7.9	95.9	96.0	7.0	7.0		6.0	6.0		5.8	6.0	
						0.2	103.0	22.0		32.2		7.9		96.0		7.0			5.9			6.2		
					B	0.1	114.0	22.0	22.0	32.1	32.1	7.9	7.9	96.4	96.5	7.0	7.0	7.0	6.2	6.2		5.2	5.4	
						0.2	111.0	22.0		32.2		7.9		96.6		7.0			6.2			5.6		
IM8	Fine	Rough	08:58	12.4	S	0.1	128.0	22.1	22.1	32.1	32.1	7.9	7.9	99.3	99.4	7.2	7.2	7.2	2.8	2.8	3.6	6.4	6.6	7.4
						0.1	121.0	22.1		32.1		7.9		99.5		7.2			2.8			6.8		
					M	0.1	114.0	22.1	22.1	32.1	32.1	7.9	7.9	100.4	100.6	7.3	7.3		3.2	3.2		7.5	7.3	
						0.1	115.0	22.1		32.1		7.9		100.8		7.3			3.1			7.1		
					B	0.1	102.0	22.0	22.0	32.1	32.1	7.9	7.9	101.9	102.4	7.4	7.4	7.4	4.9	4.9		8.6	8.4	
						0.1	107.0	22.0		32.1		7.9		102.8		7.5			5.0			8.2		
IM9	Fine	Rough	09:20	15.0	S	0.3	123.0	22.1	22.1	32.1	32.1	7.9	7.9	96.2	96.3	7.0	7.0	7.0	2.5	2.5	3.2	5.7	5.9	6.6
						0.3	121.0	22.1		32.1		7.9		96.3		7.0			2.4			6.1		
					M	0.3	152.0	22.1	22.1	32.1	32.1	7.9	7.9	96.5	96.6	7.0	7.0		3.0	3.0		6.6	6.4	
						0.3	145.0	22.1		32.1		7.9		96.6		7.0			3.1			6.2		
					B	0.3	131.0	22.1	22.1	32.1	32.1	7.9	7.9	96.9	96.9	7.0	7.0	7.0	4.0	4.0		7.2	7.5	
						0.3	130.0	22.1		32.1		7.9		96.9		7.0			4.1			7.7		
IM10	Cloudy	Rough	07:28	10.8	S	0.2	58.0	22.8	22.8	32.4	32.4	8.0	8.0	96.2	96.2	6.7	6.7	6.7	12.8	12.8	13.4	22.5	22.7	20.4
						0.2	63.0	22.8		32.4		8.0		96.2		6.7			12.8			22.8		
					M	0.2	64.0	22.7	22.7	32.4	32.4	8.0	8.0	96.8	96.9	6.8	6.8		13.7	13.8		20.7	20.5	
						0.2	58.0	22.7		32.4		8.0		96.9		6.8			14.0			20.2		
					B	0.2	34.0	22.6	22.6	32.4	32.3	8.0	8.0	97.5	97.6	6.8	6.8	6.8	13.7	13.7		18.2	18.1	
						0.2	33.0	22.6		32.3		8.0		97.6		6.8			13.7			17.9		
IM11A	Cloudy	Rough	07:37	5.0	S	0.7	151.0	22.3	22.3	32.3	32.3	8.0	8.0	97.1	97.2	6.8	6.8	6.8	18.3	18.3	17.2	21.4	21.6	21.2
						0.7	153.0	22.3		32.3		8.0		97.2		6.8			18.3			21.7		
					M	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	
						-	-	-		-		-		-		-			-			-		
					B	0.7	158.0	22.4	22.4	32.4	32.4	8.0	8.0	99.1	99.2	6.9	6.9	6.9	16.2	16.0		20.7	20.9	
						0.7	153.0	22.4		32.4		8.0		99.3		6.9			15.8			21.1		
IM12	Cloudy	Rough	07:46	13.8	S	0.7	160.0	22.8	22.8	32.3	32.3	8.0	8.0	96.8	96.9	6.7	6.7	6.7	13.7	13.8	18.5	20.3	20.4	19.3
						0.7	162.0	22.8		32.3		8.0		96.9		6.7			13.9			20.4		
					M	0.7	139.0	22.8	22.8	32.3	32.3	8.0	8.0	97.6	97.7	6.8	6.8		18.1	19.1		18.9	19.1	
						0.7	146.0	22.8		32.3		8.0		97.8		6.7			20.0			19.2		
					B	0.8	148.0	22.7	22.7	32.3	32.3	8.0	8.0	99.0	99.1	6.9	6.9	6.9	22.6	22.7		18.5	18.4	
						0.7	145.0	22.7		32.3		8.0		99.2		6.9			22.9			18.3		
IM13	Cloudy	Rough	08:04	16.2	S	0.6	193.0	23.0	23.0	32.2	32.2	8.0	8.0	96.8	97.6	6.7	6.8	6.8	9.0	9.0	10.6	19.4	19.6	19.0
						0.5	199.0	23.0		32.2		8.0		98.3		6.8			9.0			19.8		
					M	0.7	187.0	22.8	22.8	32.5	32.5	8.0	8.0	98.3	97.9	6.8	6.8		11.2	11.2		19.0	18.9	
						0.6	183.0	22.8		32.5		8.0		97.5		6.8			11.2			18.8		
					B	0.6	208.0	22.8	22.8	32.6	32.6	8.0	8.0	97.5	97.3	6.7	6.7	6.7	11.8	11.8		18.5	18.6	
						0.6	207.0	22.8		32.6		8.0		97.0		6.8			11.8			18.6		
IM14	Cloudy	Rough	08:14	9.7	S	0.6	207.0	22.9	22.9	32.5	32.5	8.0	8.0	95.5	97.0	6.6	6.7	6.7	9.0	9.0	9.4	18.9	18.6	19.5
						0.6	206.0	22.9		32.5		8.0		98.4		6.8			9.0			18.3		
					M	0.6	205.0	22.8	22.8	32.8	32.8	8.0	8.0	98.4	97.9	6.8	6.8		9.4	9.4		19.3	19.5	
						0.5	205.0	22.8		32.8		8.0		97.4		6.7			9.4			19.7		
					B	0.5	190.0	22.8	22.8	32.9	32.9	8.0	8.0	97.4	97.1	6.7	6.7	6.7	9.8	9.8		20.3	20.5	
						0.6	186.0	22.8		32.9		8.0		96.8		6.7			9.8			20.6		
IM15	Cloudy	Calm	08:15	7.0	S	0.6	175.7	22.6	22.6	31.8	31.8	8.0	8.0	92.7	92.7	6.7	6.7	6.7	8.2	8.2	8.4	10.1	10.0	9.4
						0.6	175.7	22.6		31.8		8.0		92.7		6.7			8.2			9.8		
					M	0.8	200.8	22.6	22.6	31.8	31.8	8.0	8.0	92.5	92.5	6.7	6.7		8.8	8.7		9.5	9.4	
						0.6	224.9	22.6		31.8		7.9		92.5		6.7			8.6			9.2		
					B	0.8	221.0	22.6	22.6	31.9	31.9	8.0	8.0	92.9	92.8	6.7	6.7	6.7	8.2	8.2		8.9	8.9	
						0.3	356.0	22.6		31.9		8.0		92.6		6.7			8.2			8.8		
IM16A	Cloudy	Calm	07:52	8.3	S	0.9	198.9	22.7	22.7	31.5	31.5	7.9	7.9	91.6	91.7	6.6	6.6	6.6	9.5	9.8	10.6	10.4	10.6	11.6
						0.9	198.9	22.7		31.5		8.0		91.7		6.6			10.1			10.7		
					M	0.7	115.9	22.7	22.7	31.5	31.5	8.0	8.0	91.7	91.7	6.6	6.6		10.3	10.0		11.2	11.4	
						0.7	130.9	22.7		31.5		8.0		91.6		6.6			9.7			11.6		
					B	0.8	142.2	22.7	22.7	31.5	31.5	7.9	8.0	92.2	92.2	6.6	6.6	6.6	12.1	12.1		12.7	12.9	
						0.4	167.6	22.7		31.5		8.0		92.1		6.6			12.0			13.1		

Water Quality Monitoring Data Log Sheet **Date: 2022/12/02** **Tide: Ebb tide**

Monitoring Station	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Depth Level ***	Current Velocity (m/s)	Current Direction	Temperature (°C) Value	Temperature (°C) Average	Salinity (ppt) Value	Salinity (ppt) Average	pH Value	pH Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) Average	Dissolved Oxygen (mg/L) DA*	Turbidity (NTU) Value	Turbidity (NTU) Average	Turbidity (NTU) DA*	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) Average	Suspended Solids (mg/L) DA*
IM17	Cloudy	Calm	07:34	6.0	S	0.9	111.2	22.5	22.5	30.4	30.4	7.9	7.9	91.3	91.2	6.6	6.6	6.6	10.4	10.4	10.9	10.4	10.7	11.4
						0.9	111.2	22.5		30.4		7.9		91.1		6.6			10.4			10.9		
					M	0.5	141.0	22.5	22.5	30.4	30.4	7.9	7.9	91.0	91.0	6.6	6.6		11.0	10.9		11.3	11.5	
						0.5	141.0	22.5		30.4		7.9		90.9		6.6			10.7			11.6		
					B	0.5	131.9	22.5	22.5	30.4	30.4	7.9	7.9	91.2	91.1	6.6	6.6	6.6	11.0	11.4		12.2	12.0	
						0.5	131.9	22.5		30.4		7.9		91.0		6.6			11.7			11.8		
IM18	Cloudy	Calm	07:16	18.0	S	0.9	140.9	22.7	22.7	30.1	30.1	7.9	7.9	89.7	89.9	6.5	6.5	6.3	4.7	4.7	5.8	6.6	6.4	7.8
						0.9	140.9	22.7		30.1		7.9		90.1		6.5			4.6			6.2		
					M	0.7	331.7	23.5	23.5	31.7	31.7	7.9	7.9	85.3	85.3	6.0	6.0		6.1	6.1		8.0	7.8	
						0.8	149.7	23.5		31.7		7.9		85.2		6.0			6.0			7.6		
					B	0.1	182.2	23.5	23.5	31.8	31.8	8.0	7.9	84.8	84.9	6.0	6.0	6.0	6.3	6.6		9.5	9.3	
						0.6	228.5	23.5		31.7		7.9		85.0		6.0			6.9			9.0		
IM19	Cloudy	Calm	05:50	19.0	S	0.1	52.2	23.0	23.0	30.2	30.2	7.9	7.9	89.0	89.0	6.4	6.4	6.3	4.4	4.4	4.7	5.9	6.0	6.9
						0.1	52.2	23.0		30.2		7.9		89.0		6.4			4.3			6.0		
					M	0.5	249.0	23.2	23.2	30.5	30.5	8.0	8.0	87.1	87.1	6.2	6.2		3.9	3.9		6.4	6.6	
						0.5	249.0	23.2		30.4		8.0		87.0		6.2			3.8			6.8		
					B	0.6	323.9	23.4	23.4	30.9	30.9	8.1	8.1	86.1	86.0	6.1	6.1	6.1	6.1	6.0		7.8	8.0	
						0.6	269.9	23.4		30.9		8.0		85.9		6.1			5.8			8.2		
IM20A	Cloudy	Calm	06:21	7.3	S	1.2	232.1	21.6	21.6	27.1	27.1	7.8	7.8	89.2	89.2	6.7	6.7	6.6	5.5	5.6	4.4	6.3	6.4	5.6
						1.2	232.1	21.6		27.1		7.8		89.1		6.7			5.7			6.5		
					M	0.2	283.7	23.2	23.2	29.5	29.4	7.9	7.9	88.7	89.0	6.4	6.4		3.9	4.0		5.9	5.7	
						0.3	127.8	23.2		29.4		7.9		89.2		6.4			4.1			5.4		
					B	0.4	127.7	23.2	23.2	30.1	30.2	7.8	7.8	88.6	88.4	6.4	6.3	6.3	3.5	3.6		4.8	4.6	
						0.2	66.7	23.3		30.2		7.9		88.2		6.3			3.6			4.4		
IM21A	Cloudy	Calm	06:13	7.3	S	0.8	185.1	22.0	21.9	27.9	27.9	7.9	7.9	88.7	88.9	6.6	6.6	6.4	7.2	7.6	5.6	8.0	7.8	6.1
						1.0	260.8	21.8		27.9		7.8		89.0		6.6			8.0			7.6		
					M	0.1	148.3	23.5	23.4	30.4	30.3	7.9	7.9	86.5	87.1	6.2	6.2		4.4	4.2		5.7	5.9	
						0.6	233.6	23.3		30.3		7.9		87.7		6.3			4.0			6.1		
					B	0.7	320.6	23.6	23.6	30.5	30.5	7.9	7.9	86.1	86.3	6.1	6.1	6.1	5.0	4.9		4.8	4.7	
						0.3	184.8	23.6		30.5		7.9		86.4		6.2			4.8			4.6		
IM22A	Cloudy	Calm	06:06	5.7	S	0.7	179.0	24.1	24.1	30.2	30.2	7.9	7.9	90.0	90.1	6.4	6.4	6.3	5.8	5.8	6.5	6.7	6.9	8.2
						0.7	179.0	24.2		30.2		7.9		90.1		6.4			5.7			7.1		
					M	0.3	233.7	23.8	23.9	30.3	30.3	7.9	7.9	88.6	88.8	6.3	6.3		6.9	6.8		8.4	8.5	
						0.3	246.6	24.0		30.2		7.9		89.0		6.3			6.6			8.6		
					B	0.7	222.2	23.8	23.8	30.3	30.3	7.9	7.9	88.8	88.7	6.3	6.3	6.3	6.9	6.9		9.4	9.2	
						0.7	222.2	23.8		30.3		7.9		88.5		6.3			6.9			9.0		

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; S: 1 m above the seabed

ANNEX E

GRAPHICAL PRESENTATION OF POST-CONSTRUCTION WATER QUALITY MONITORING RESULTS

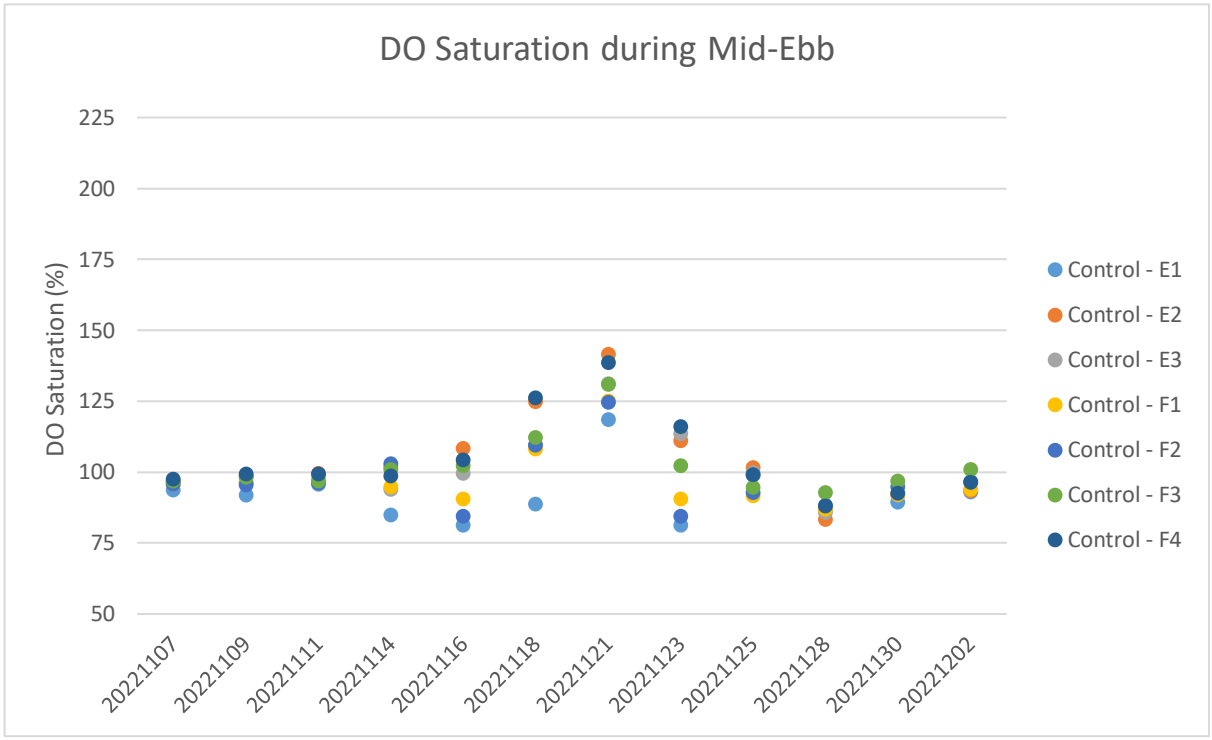

Figure 1a: Levels of Depth-averaged Dissolved Oxygen Saturation (%) at control stations in the southern Hong Kong waters (E1-E3, F1-F4) during mid-ebb tides between 7 November and 2 December 2022

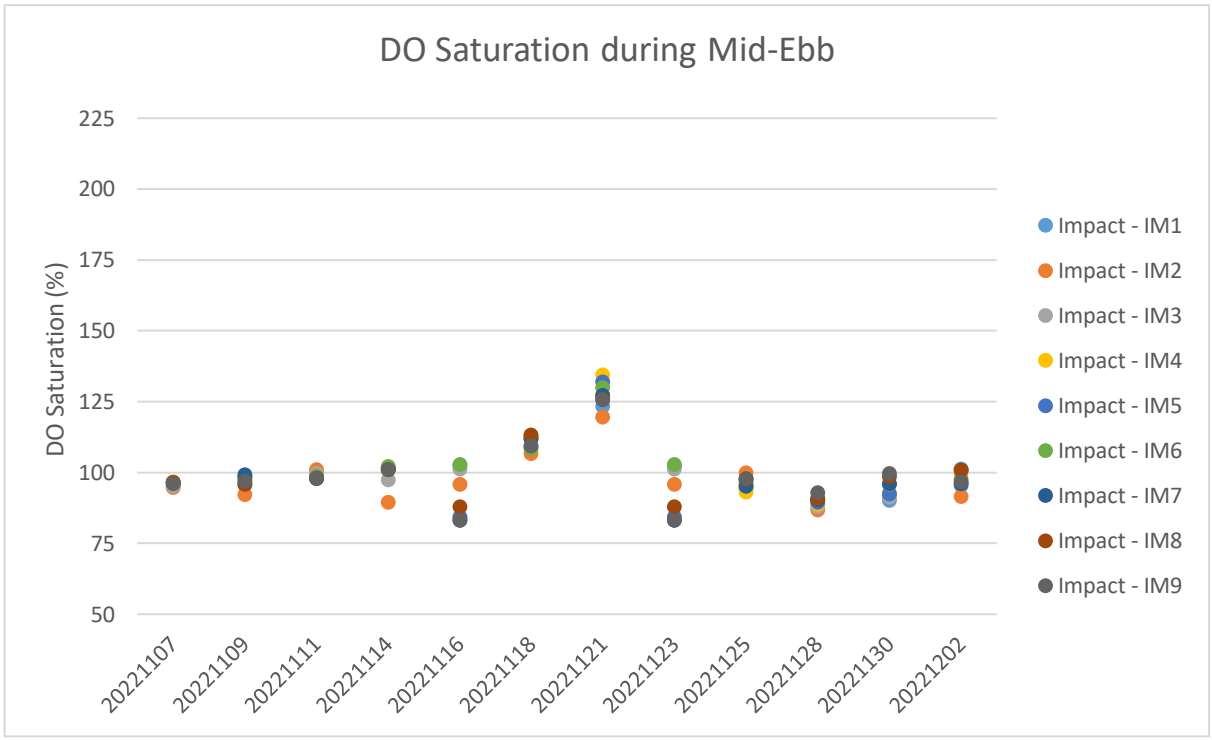

Figure 1b: Levels of Depth-averaged Dissolved Oxygen Saturation (%) at impact stations in the southern Hong Kong waters (IM1-IM9) during mid-ebb tides between 7 November and 2 December 2022

Source: P:\Projects\0505354 CLP Power Hong Kong Limited FSRU Pre-con EM&A.RC\07 Data\12 Post-Construction WQ

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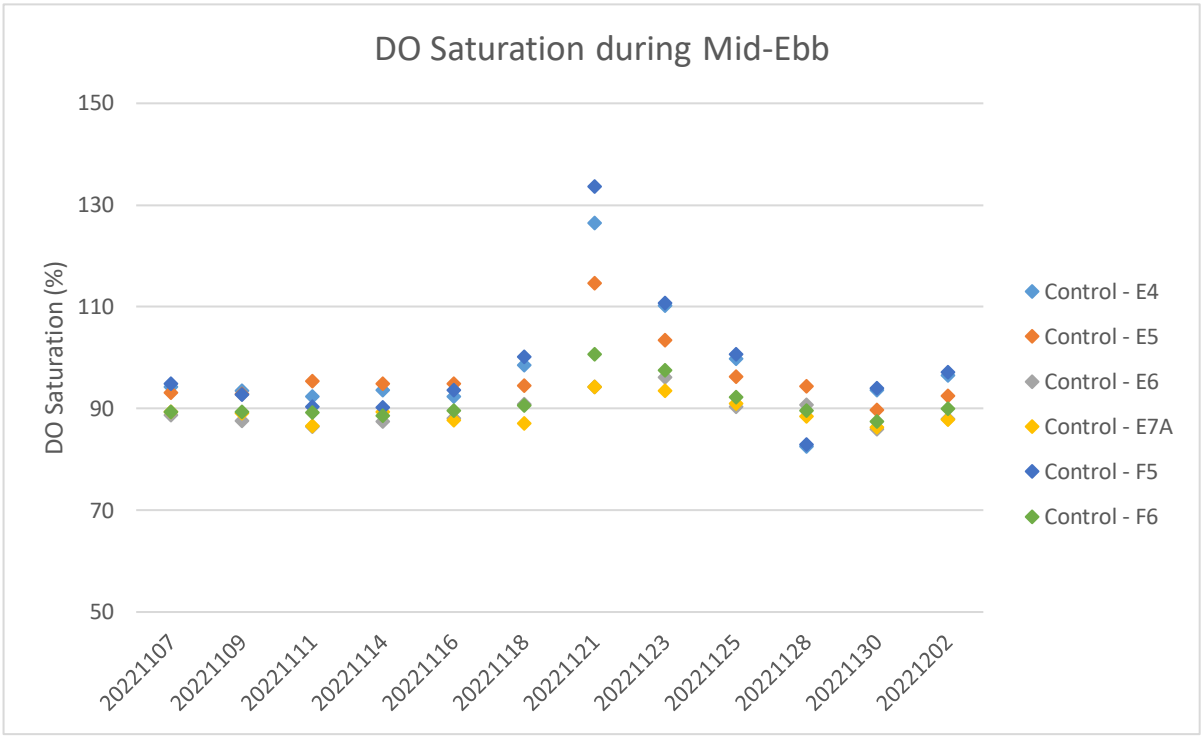

Figure 2a: Levels of Depth-averaged Dissolved Oxygen Saturation (%) at control stations in the western Hong Kong waters (E4-E7A, F5-F6) during mid-ebb tides between 7 November and 2 December 2022

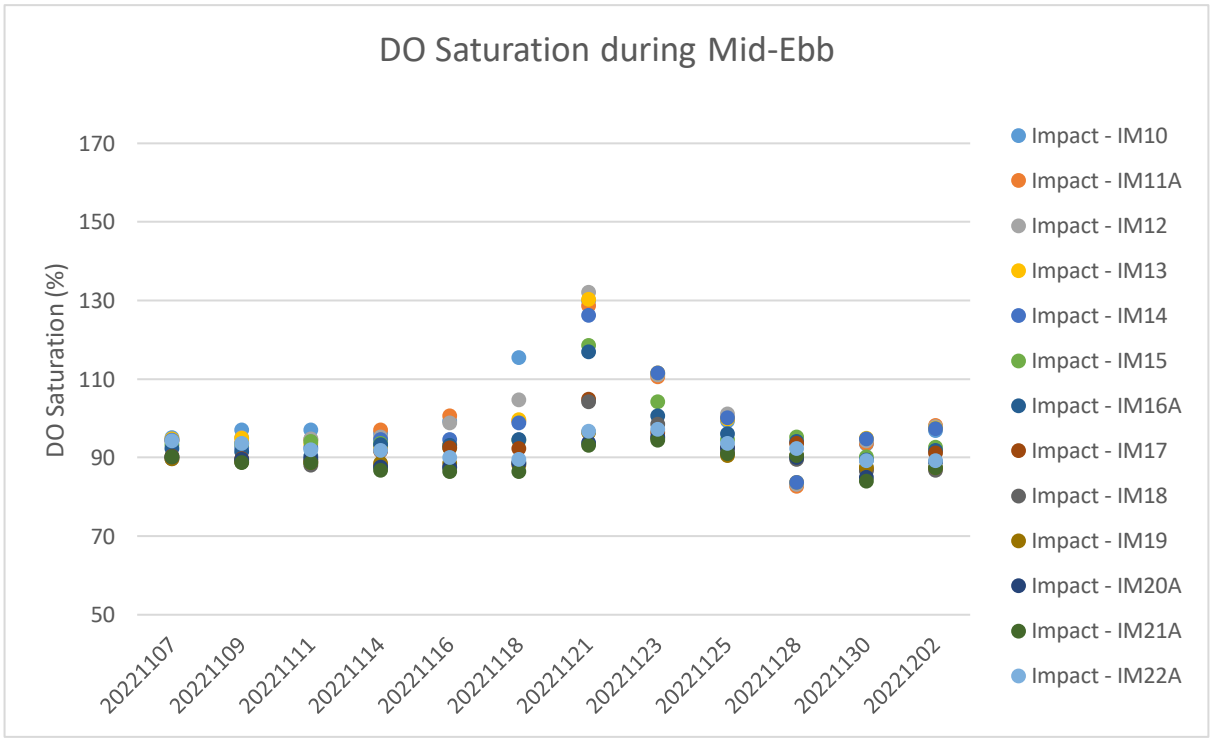

Figure 2b: Levels of Depth-averaged Dissolved Oxygen Saturation (%) at impact stations in the western Hong Kong waters (IM10-IM22A) during mid-ebb tides between 7 November and 2 December 2022

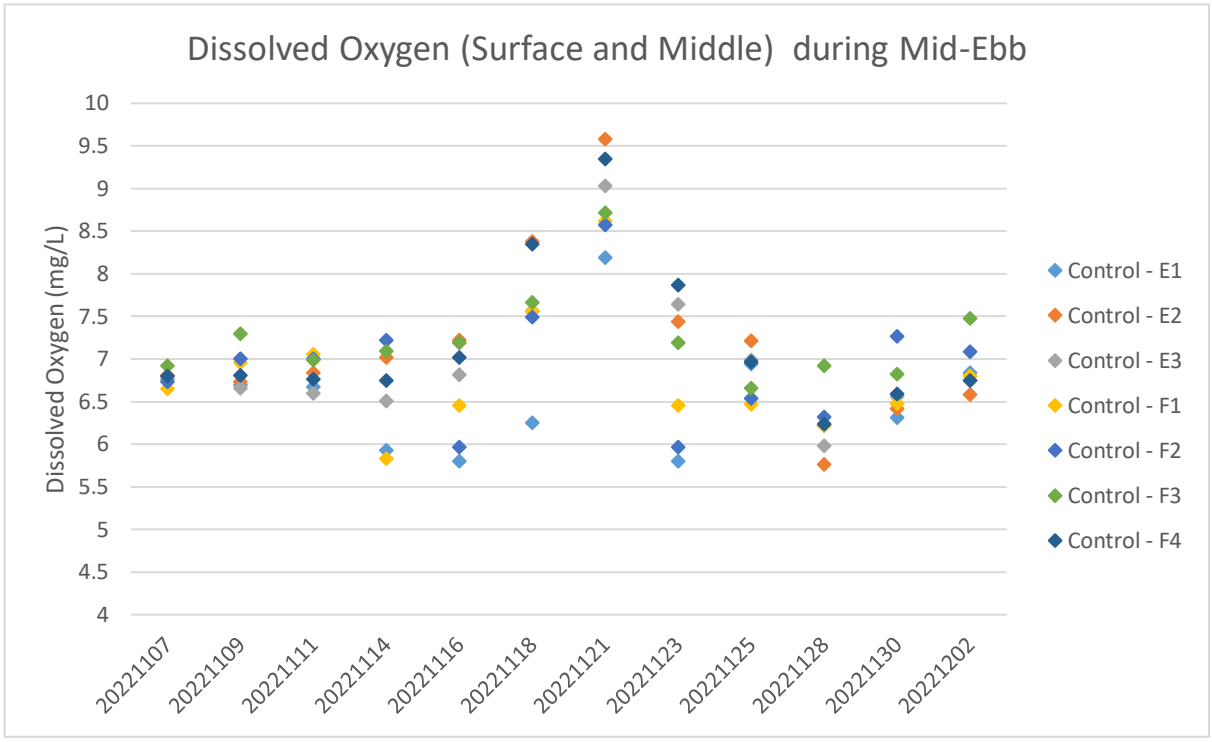

Figure 3a: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control stations in the southern Hong Kong waters (E1-E3, F1-F4) during mid-ebb tides between 7 November and 2 December 2022

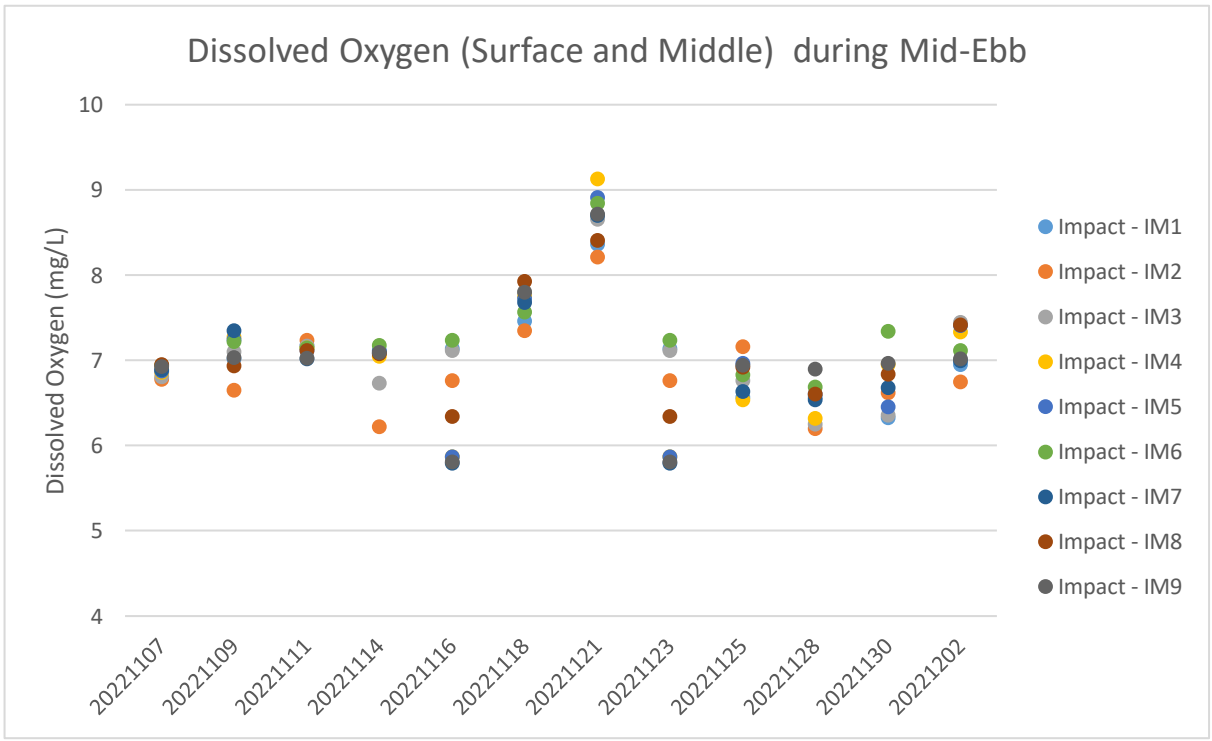

Figure 3b: Levels of Surface and Middle Dissolved Oxygen (mg/L) at impact stations in the southern Hong Kong waters (IM1-IM9) during mid-ebb tides between 7 November and 2 December 2022

Source: P:\Projects\0505354 CLP Power Hong Kong Limited FSRU Pre-con EM&A.RC\07 Data\12 Post-Construction WQ

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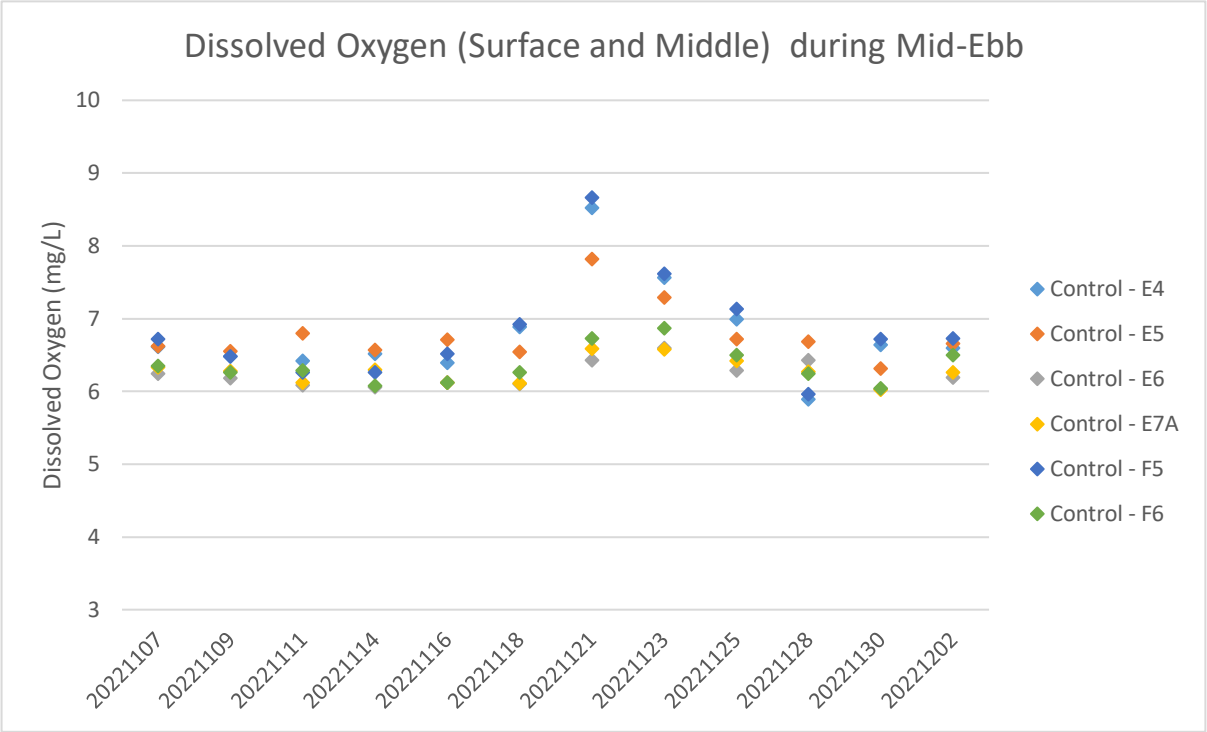

Figure 4a: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control stations in the western Hong Kong waters (E4-E7A, F5-F6) during mid-ebb tides between 7 November and 2 December 2022

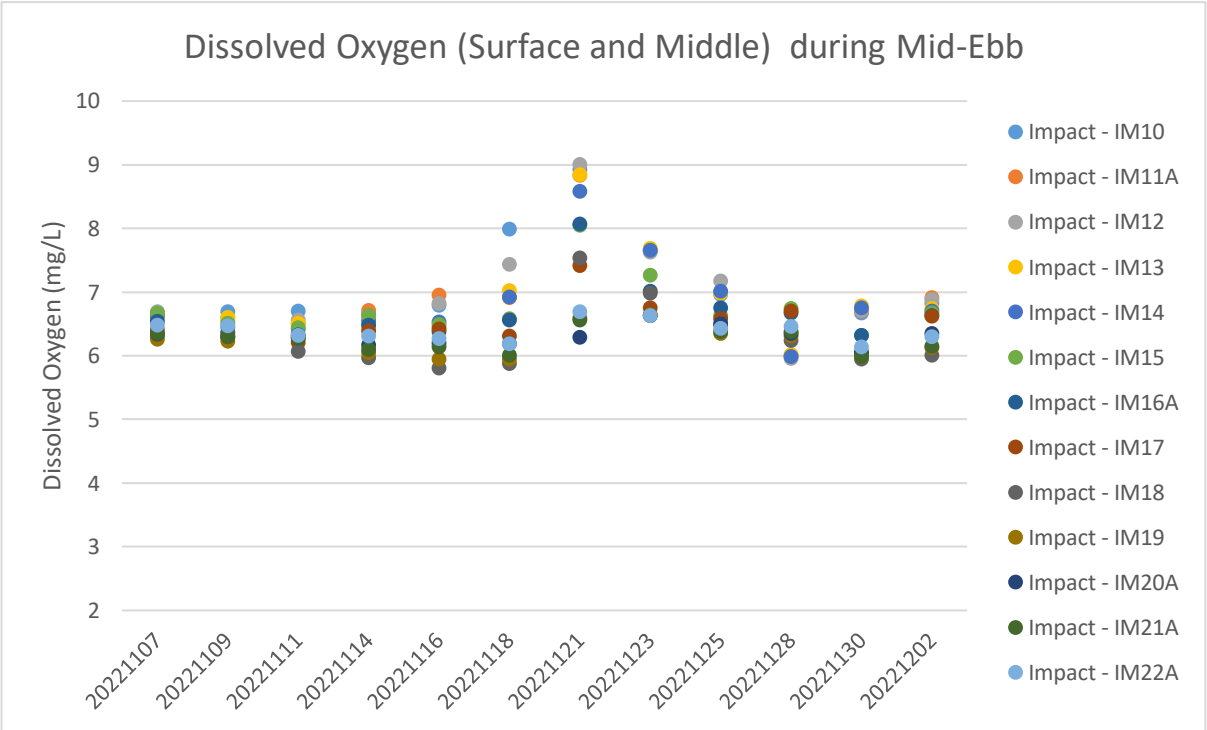

Figure 4b: Levels of Surface and Middle Dissolved Oxygen (mg/L) at impact stations in the western Hong Kong waters (IM10-IM22A) during mid-ebb tides between 7 November and 2 December 2022

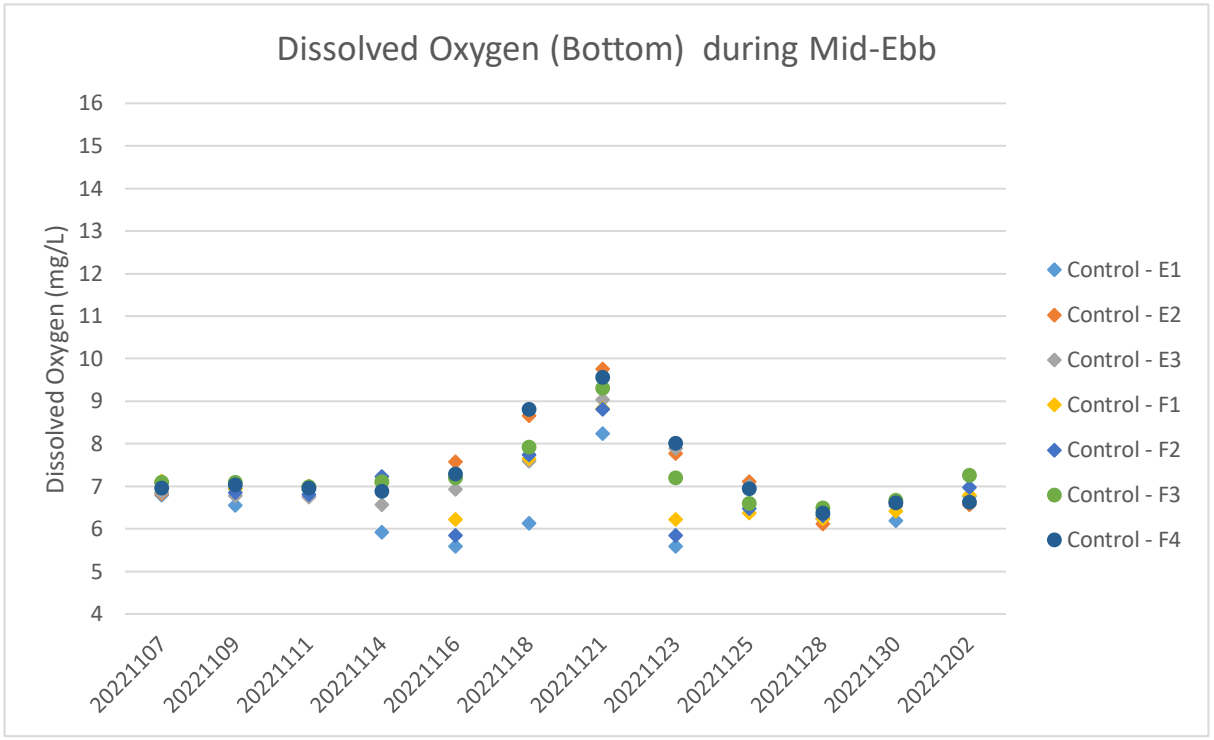

Figure 5a: Levels of Bottom Dissolved Oxygen (mg/L) at control stations in the southern Hong Kong waters (E1-E3, F1-F4) during mid-ebb tides between 7 November and 2 December 2022

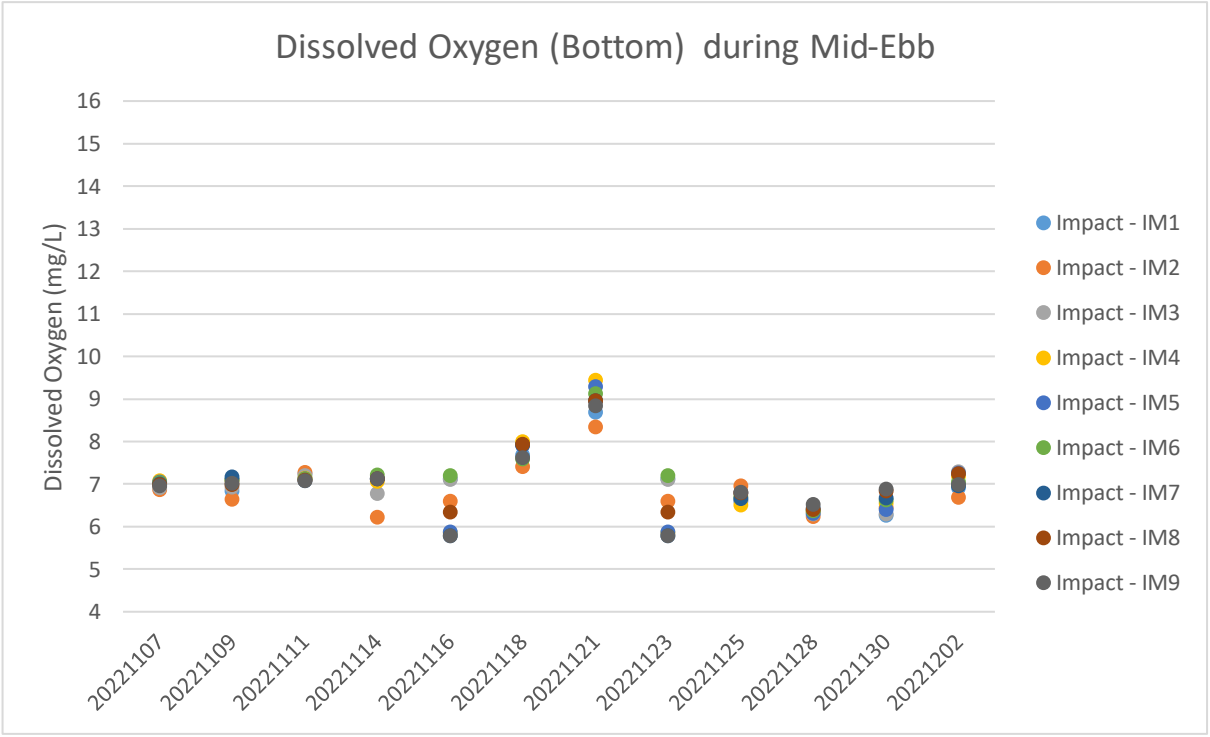

Figure 5b: Levels of Bottom Dissolved Oxygen (mg/L) at impact stations in the southern Hong Kong waters (IM1-IM9) during mid-ebb tides between 7 November and 2 December 2022

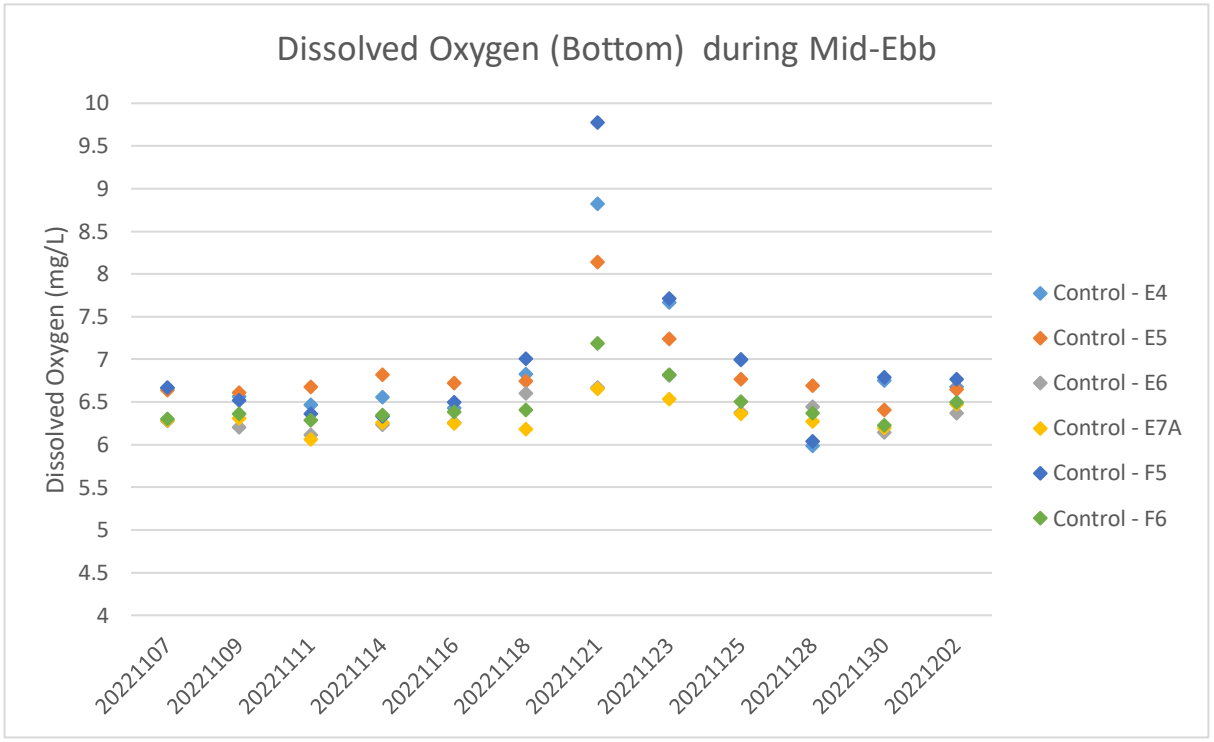

Figure 6a: Levels of Bottom Dissolved Oxygen (mg/L) at control stations in the western Hong Kong waters (E4-E7A, F5-F6) during mid-ebb tides between 7 November and 2 December 2022

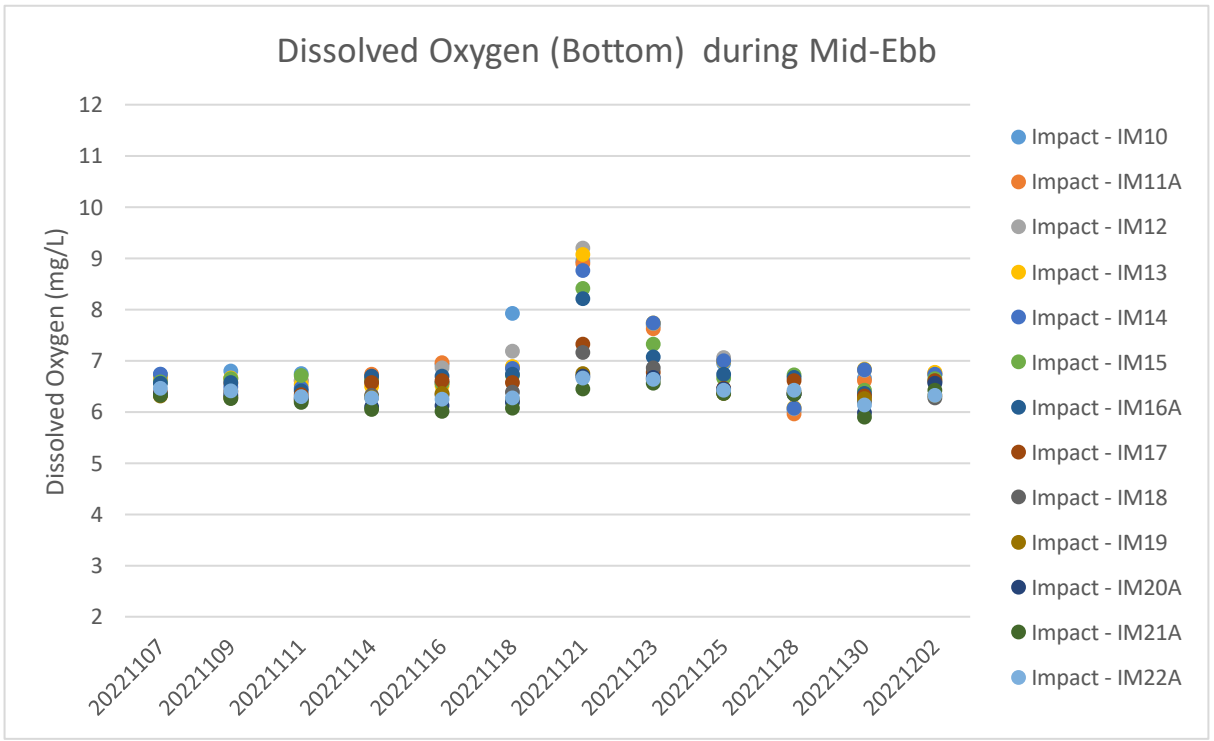

Figure 6b: Levels of Bottom Dissolved Oxygen (mg/L) at impact stations in the western Hong Kong waters (IM10-IM22A) during mid-ebb tides between 7 November and 2 December 2022

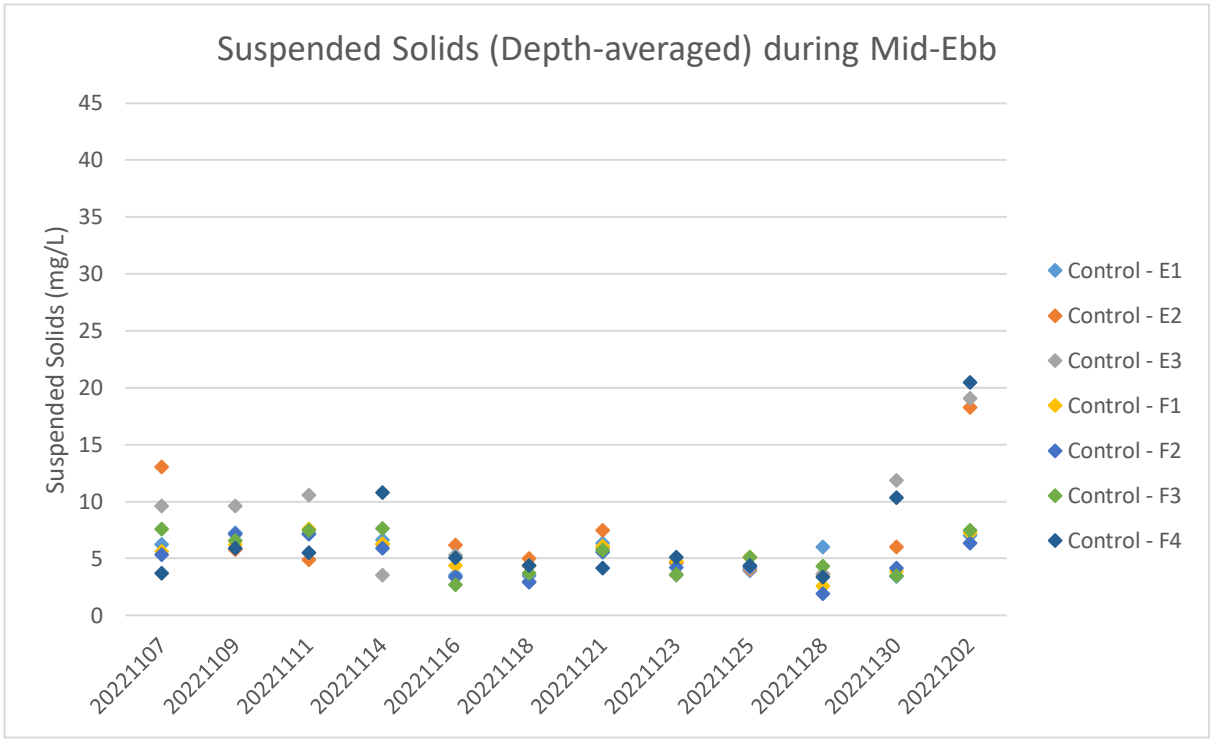

Figure 7a: Levels of Depth-averaged Suspended Solids (mg/L) at control stations in the southern Hong Kong waters (E1-E3, F1-F4) during mid-ebb tides between 7 November and 2 December 2022

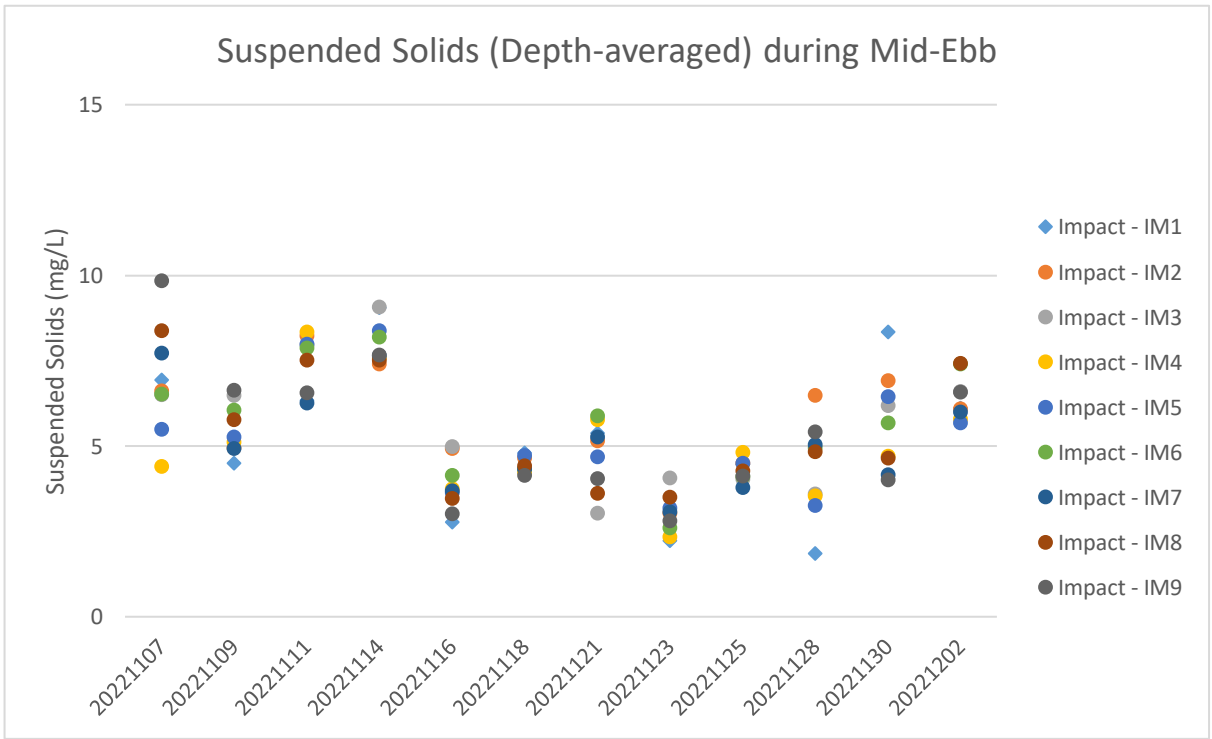

Figure 7b: Levels of Depth-averaged Suspended Solids (mg/L) at impact stations in the southern Hong Kong waters (IM1-IM9) during mid-ebb tides between 7 November and 2 December 2022

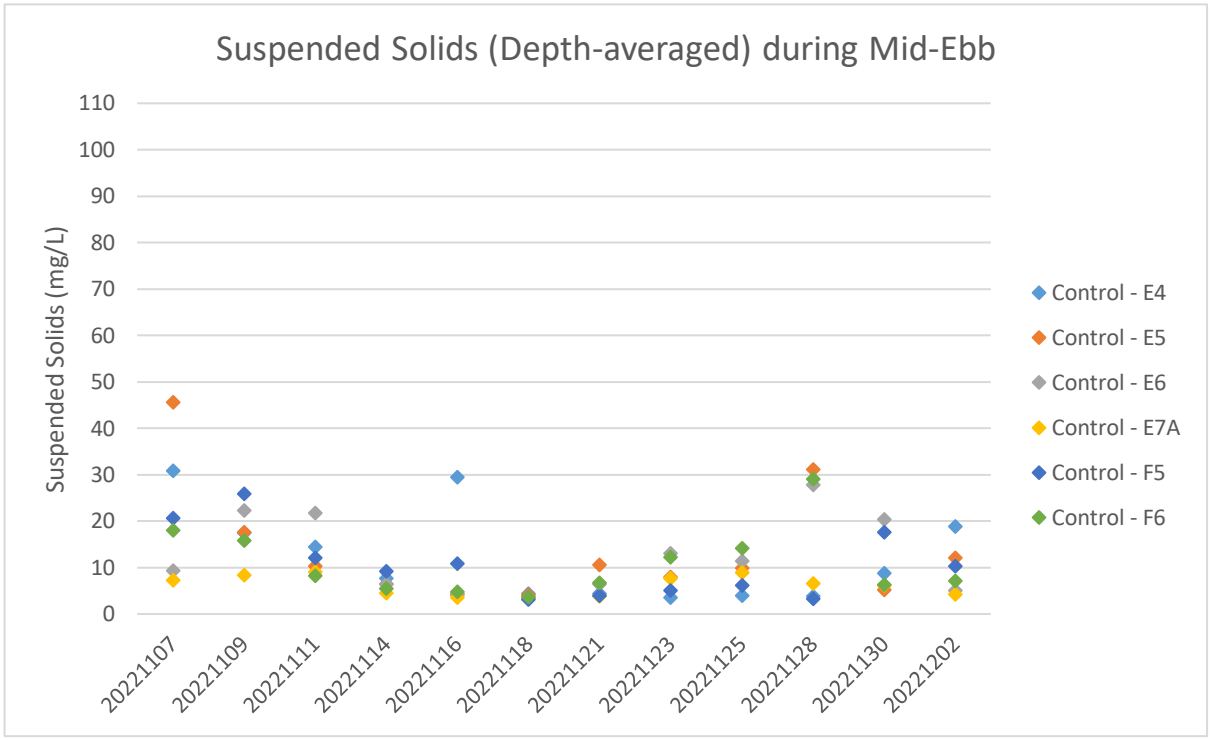

Figure 8a: Levels of Depth-averaged Suspended Solids (mg/L) at control stations in the western Hong Kong waters (E4-E7A, F5-F6) during mid-ebb tides between 7 November and 2 December 2022

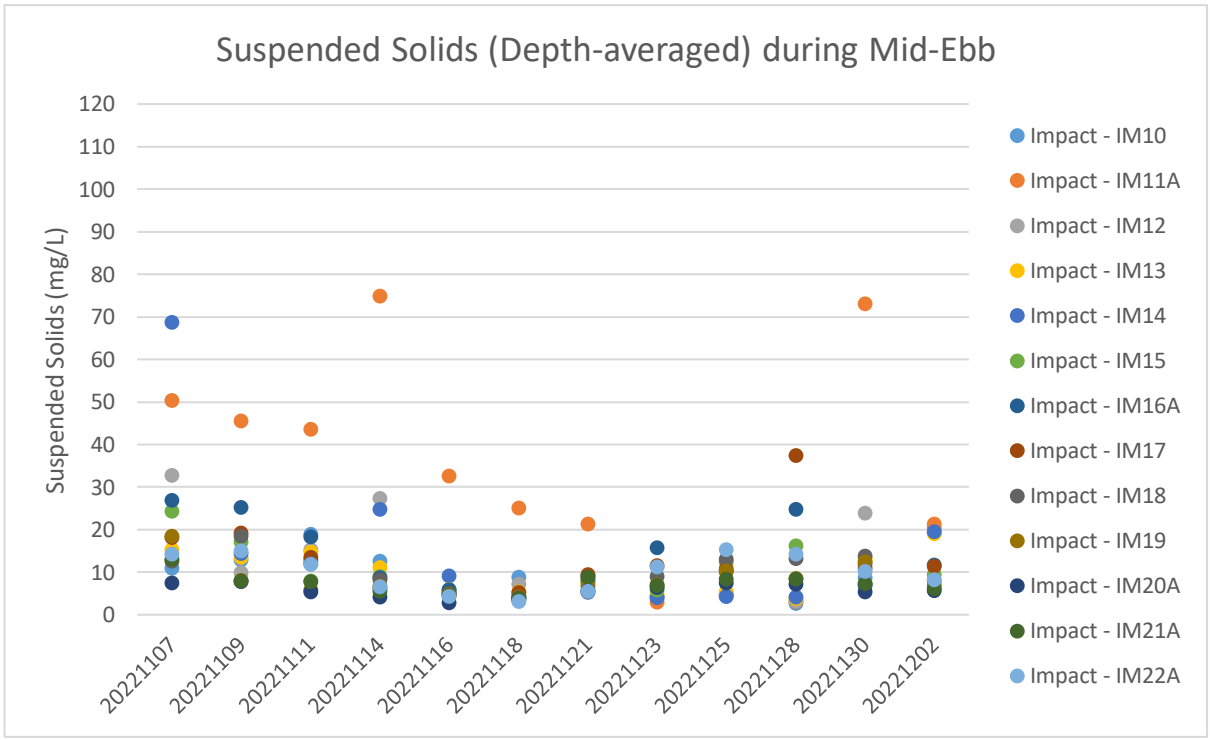

Figure 8b: Levels of Depth-averaged Suspended Solids (mg/L) at impact stations in the western Hong Kong waters (IM10-IM22A) during mid-ebb tides between 7 November and 2 December 2022

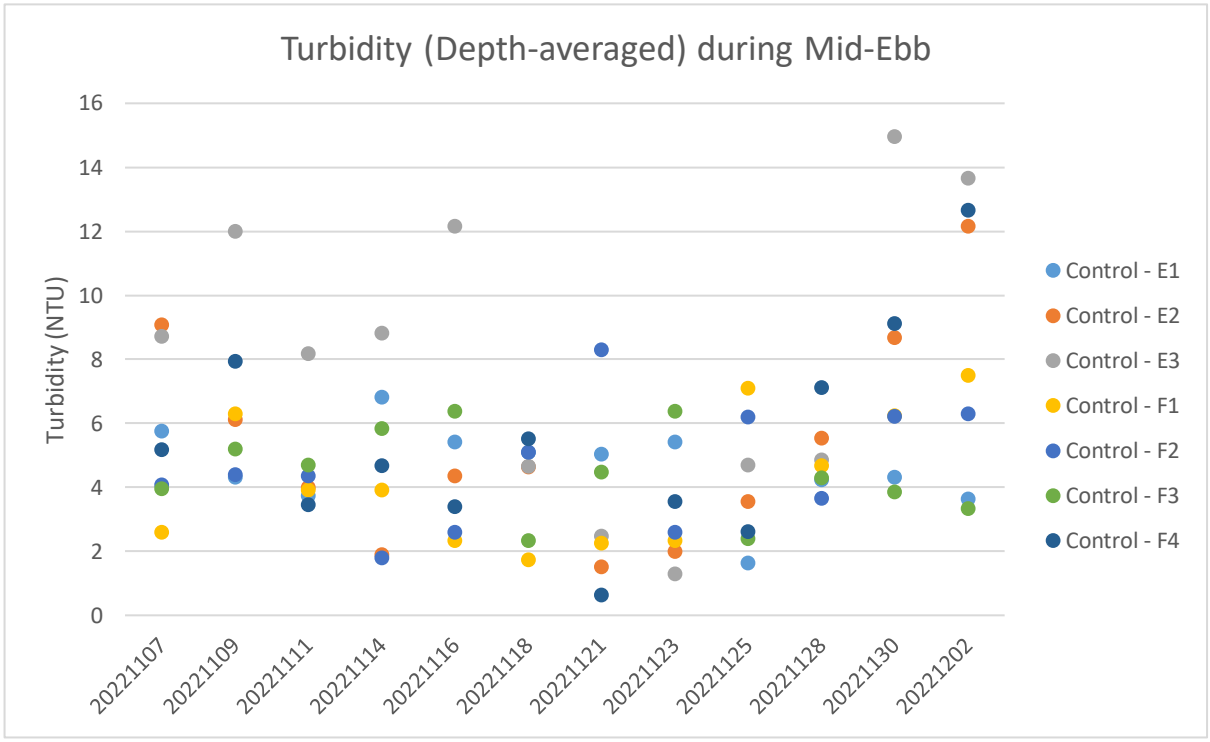

Figure 9a: Levels of Depth-averaged Turbidity (NTU) at control stations in the southern Hong Kong waters (E1-E3, F1-F4) during mid-ebb tides between 7 November and 2 December 2022

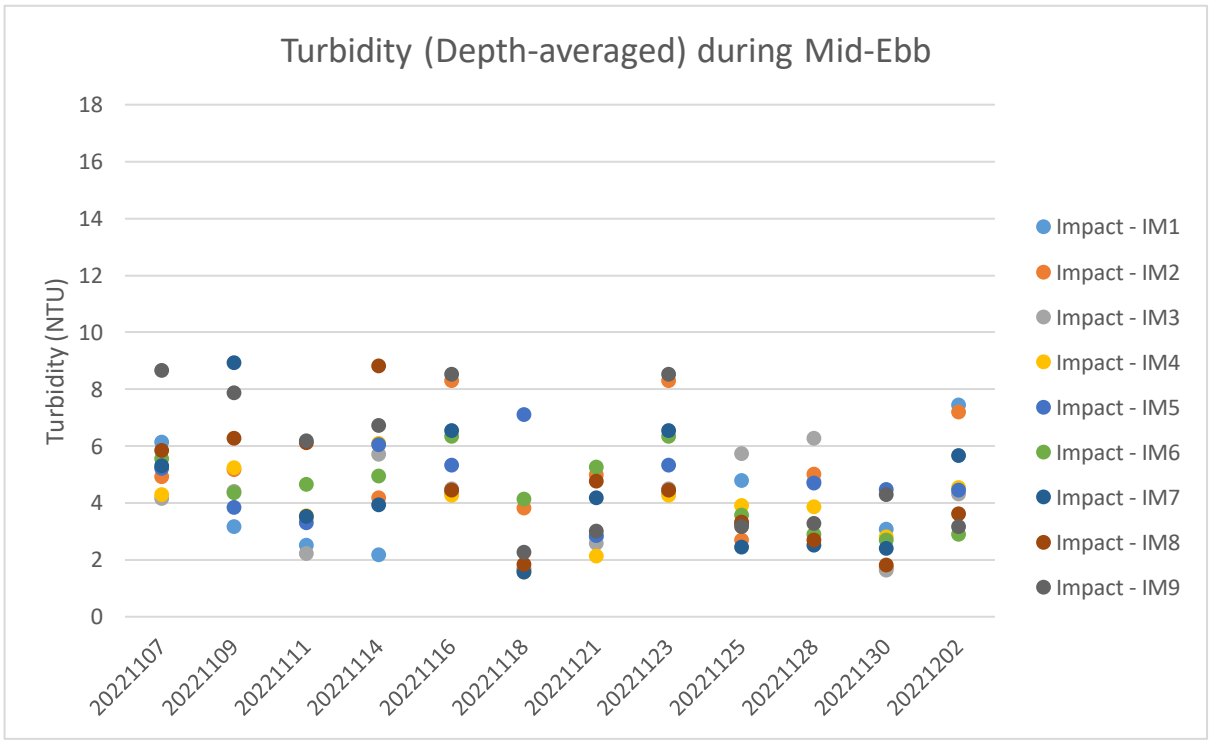

Figure 9b: Levels of Depth-averaged Turbidity (NTU) at impact stations in the southern Hong Kong waters (IM1-IM9) during mid-ebb tides between 7 November and 2 December 2022

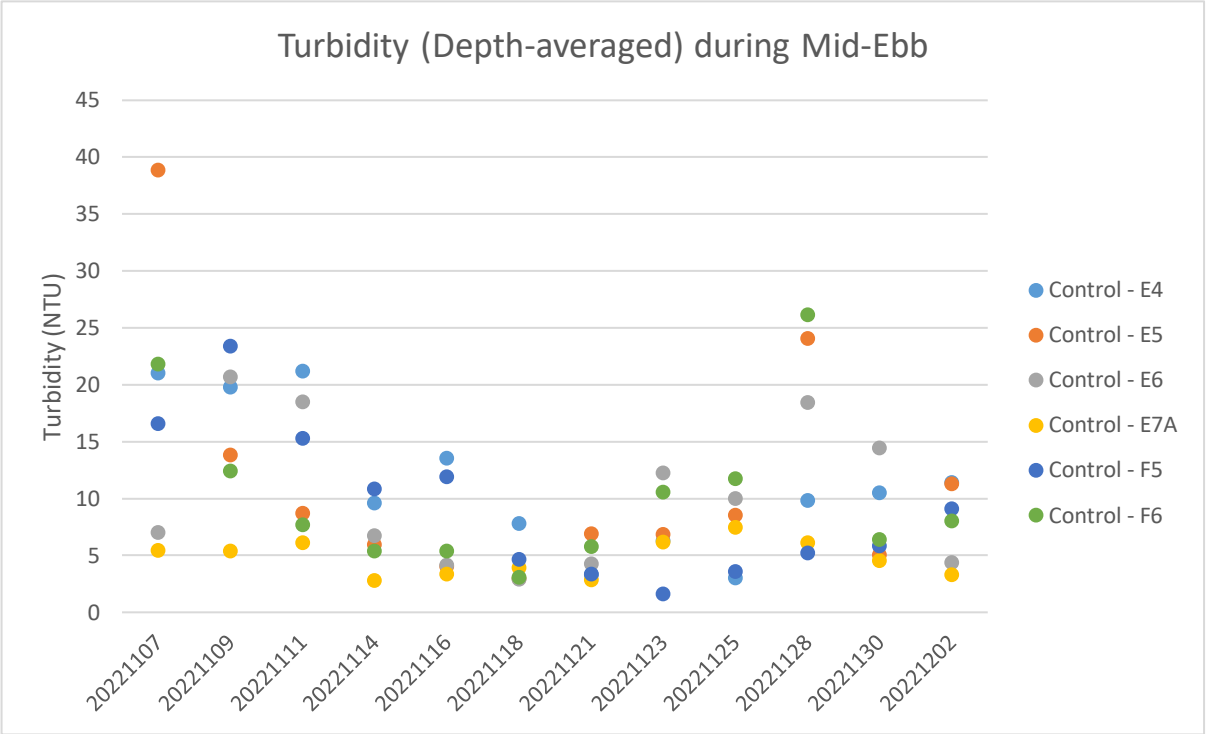

Figure 10a: Levels of Depth-averaged Turbidity (NTU) at control stations in the western Hong Kong waters (E4-E7A, F5-F6) during mid-ebb tides between 7 November and 2 December 2022

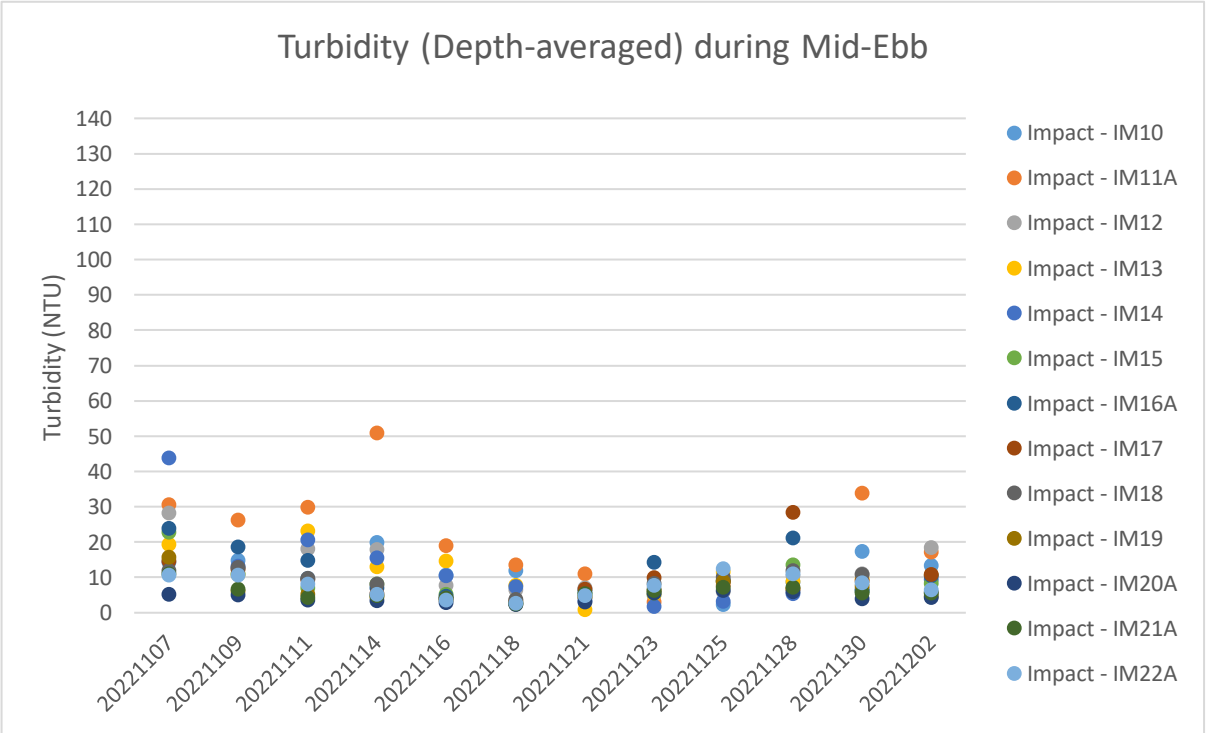

Figure 10b: Levels of Depth-averaged Turbidity (NTU) at impact stations in the western Hong Kong waters (IM10-IM22A) during mid-ebb tides between 7 November and 2 December 2022

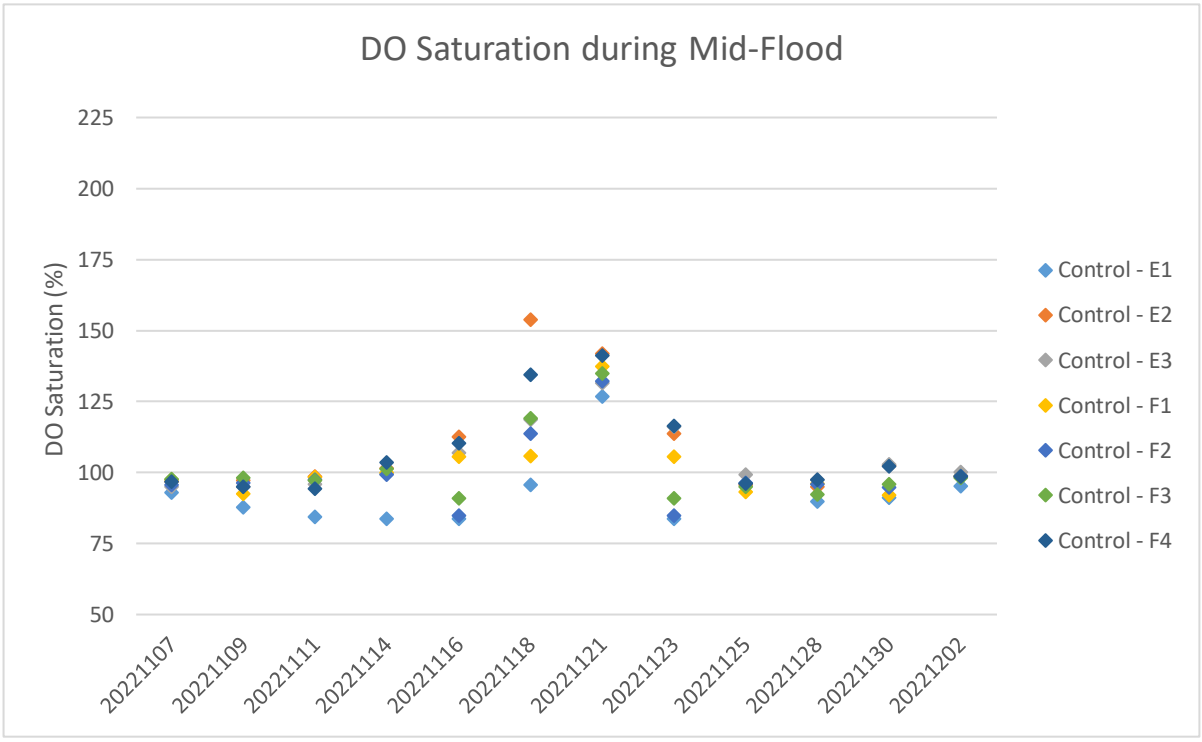

Figure 11a: Levels of Depth-averaged Dissolved Oxygen Saturation (%) at control stations in the southern Hong Kong waters (E1-E3, F1-F4) during mid-flood tides between 7 November and 2 December 2022

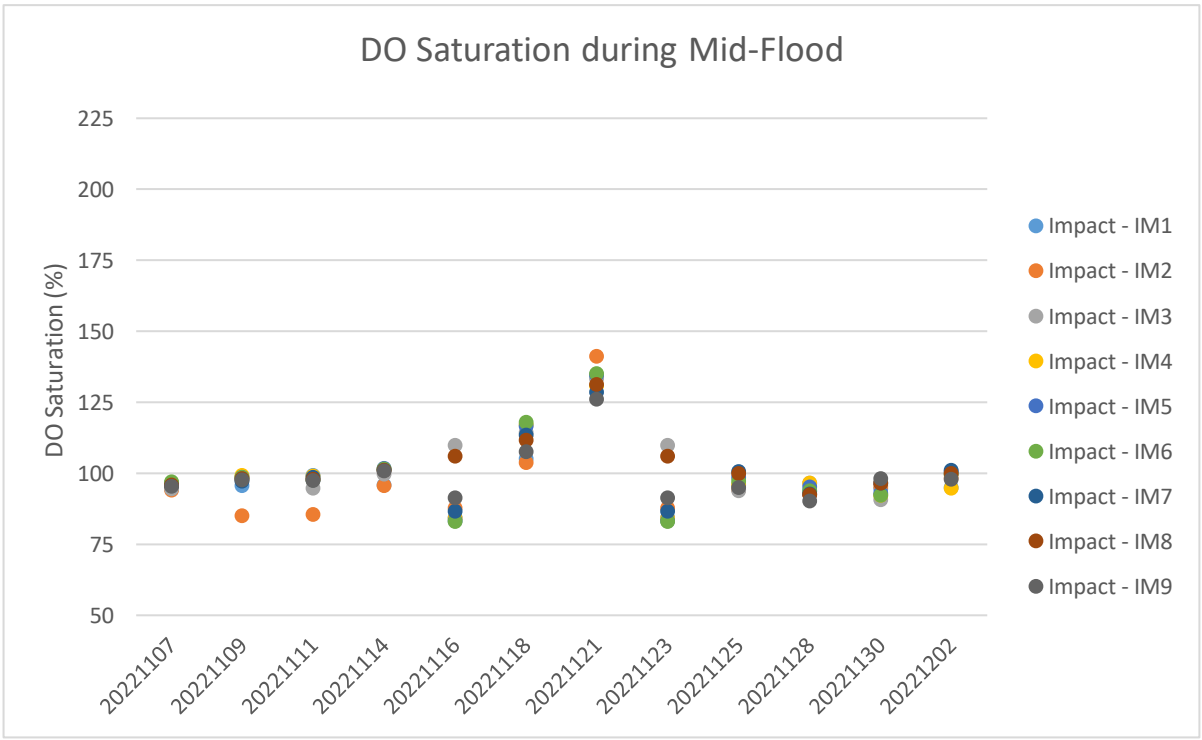

Figure 11b: Levels of Depth-averaged Dissolved Oxygen Saturation (%) at impact stations in the southern Hong Kong waters (IM1-IM9) during mid-flood tides between 7 November and 2 December 2022

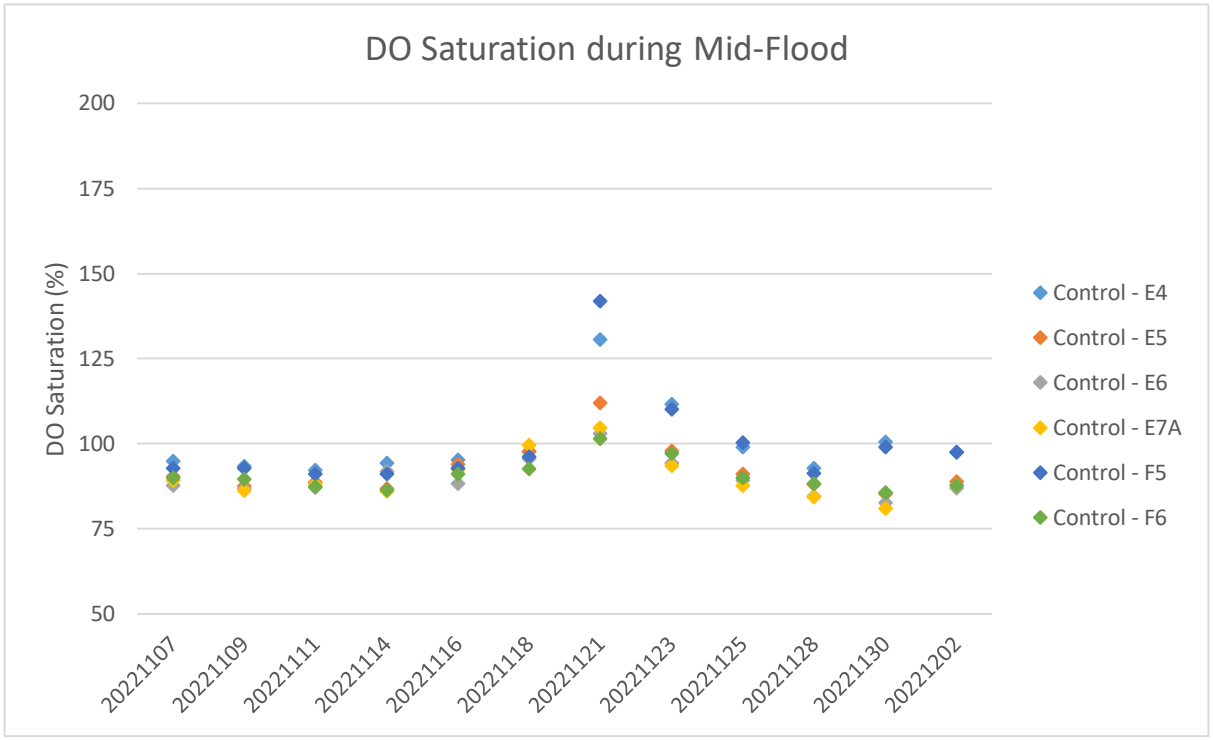

Figure 12a: Levels of Depth-averaged Dissolved Oxygen Saturation (%) at control stations in the western Hong Kong waters (E4-E7A, F5-F6) during mid-flood tides between 7 November and 2 December 2022

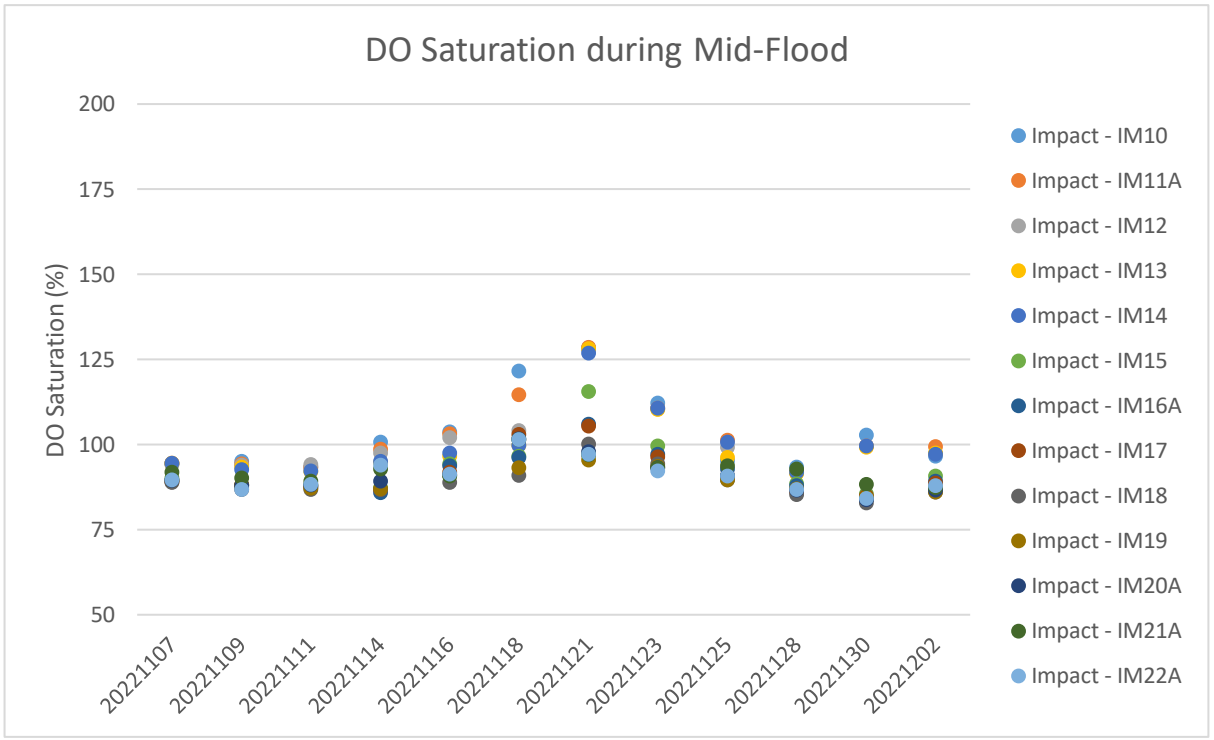

Figure 12b: Levels of Depth-averaged Dissolved Oxygen Saturation (%) at impact stations in the western Hong Kong waters (IM10-IM22A) during mid-flood tides between 7 November and 2 December 2022

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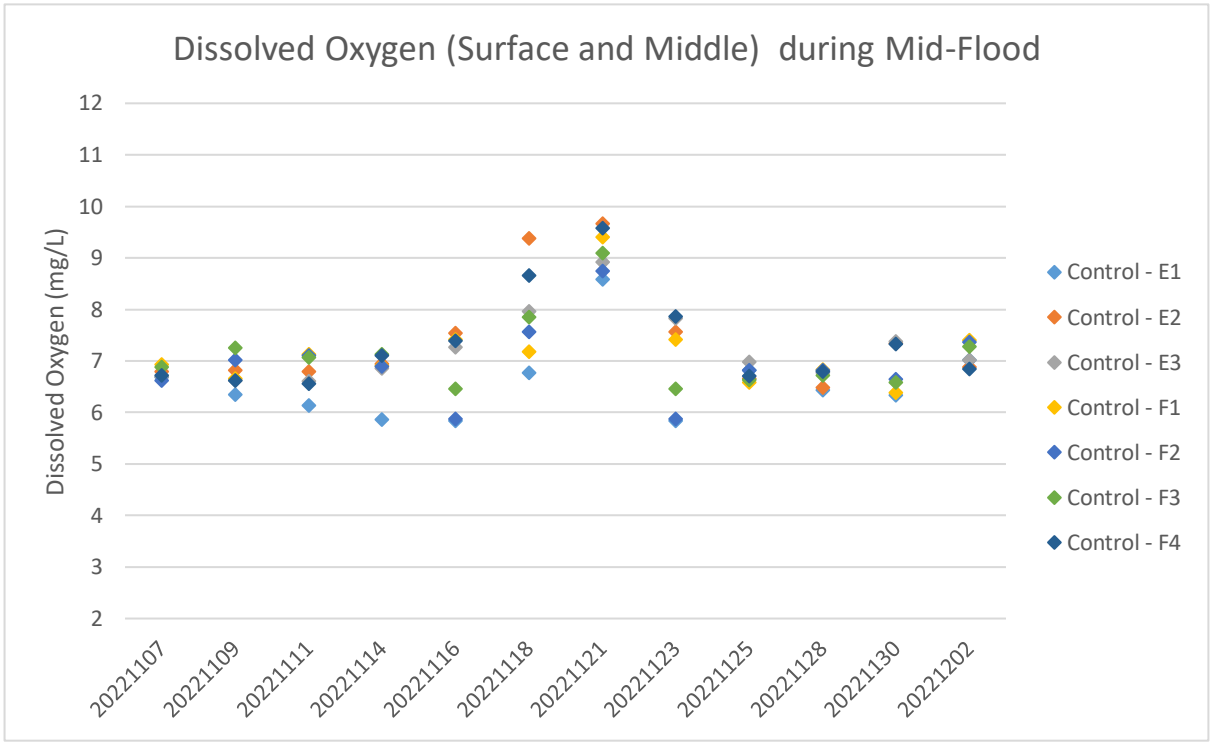

Figure 13a: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control stations in the southern Hong Kong waters (E1-E3, F1-F4) during mid-flood tides between 7 November and 2 December 2022

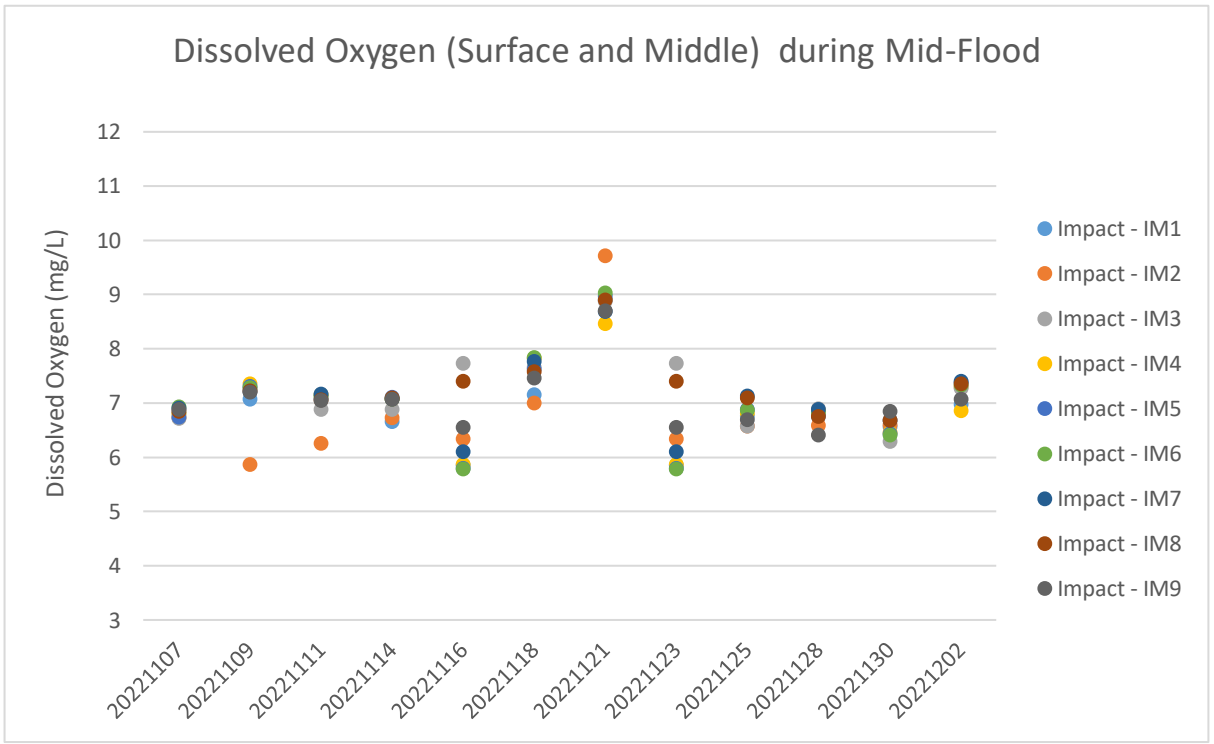

Figure 13b: Levels of Surface and Middle Dissolved Oxygen (mg/L) at impact stations in the southern Hong Kong waters (IM1-IM9) during mid-flood tides between 7 November and 2 December 2022

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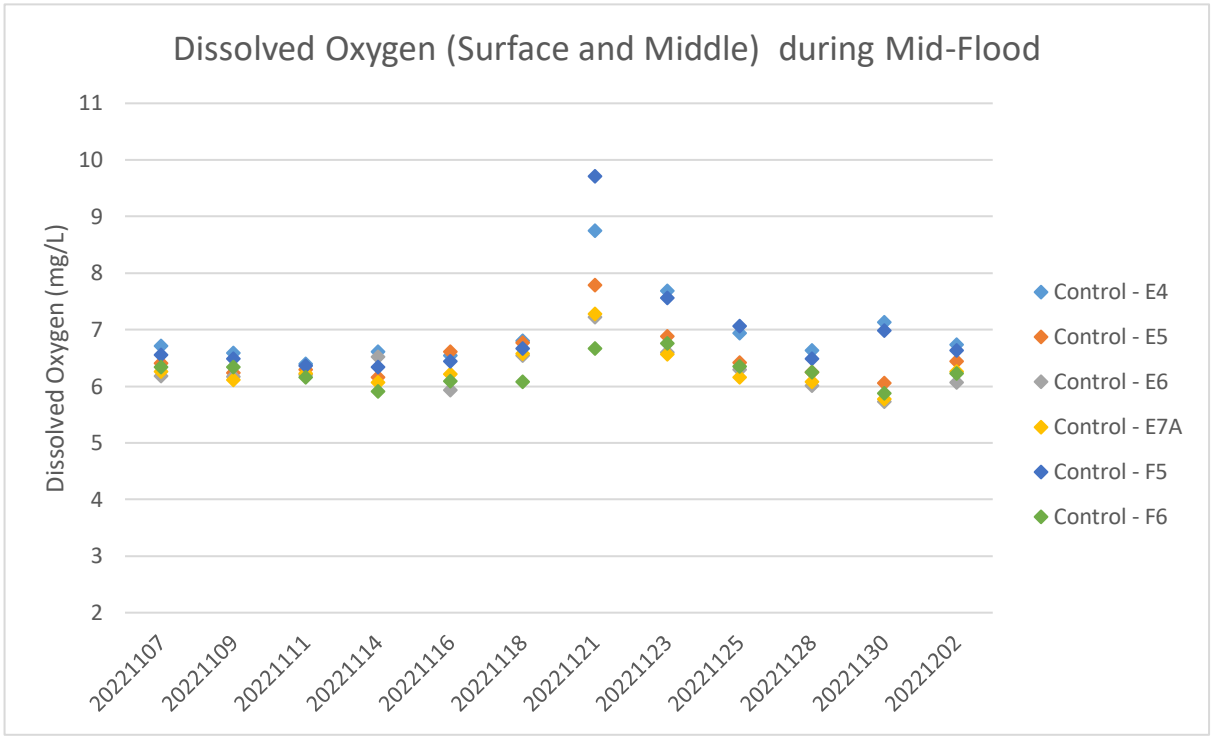

Figure 14a: Levels of Surface and Middle Dissolved Oxygen (mg/L) at control stations in the western Hong Kong waters (E4-E7A, F5-F6) during mid-flood tides between 7 November and 2 December 2022

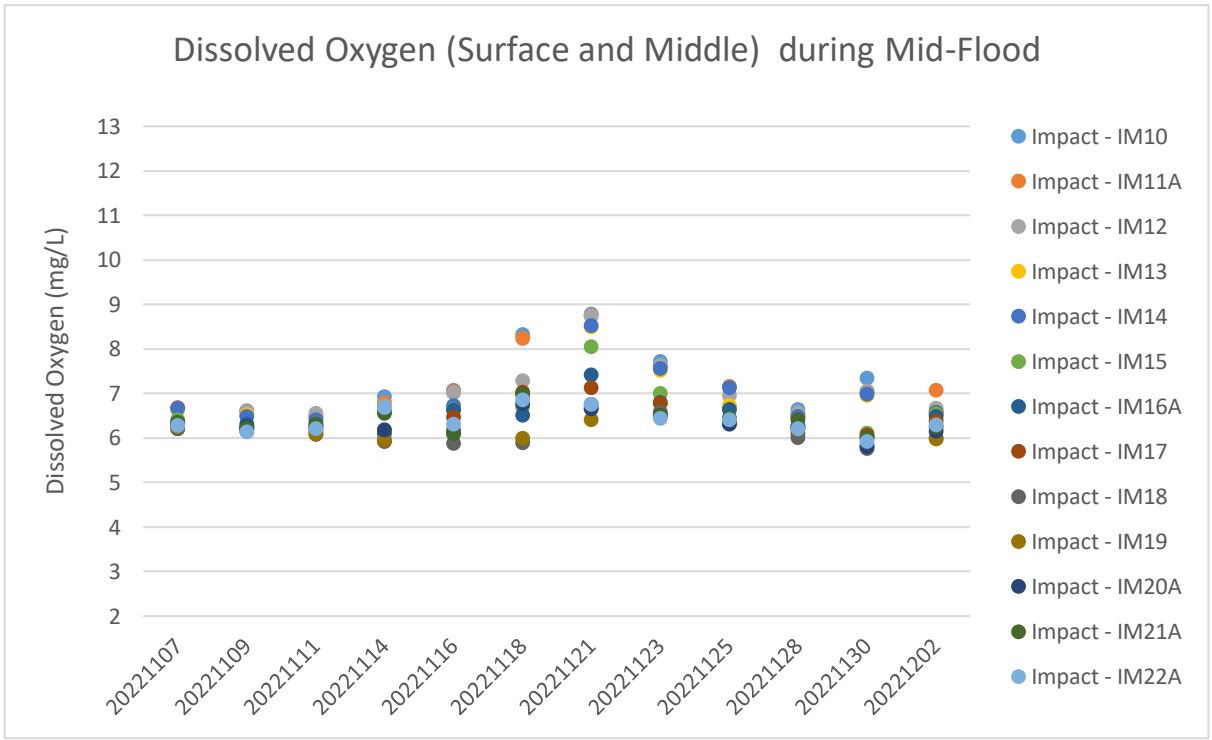

Figure 14b: Levels of Surface and Middle Dissolved Oxygen (mg/L) at impact stations in the western Hong Kong waters (IM10-IM22A) during mid-flood tides between 7 November and 2 December 2022

Source: P:\Projects\0505354 CLP Power Hong Kong Limited FSRU Pre-con EM&A.RC\07 Data\12 Post-Construction WQ

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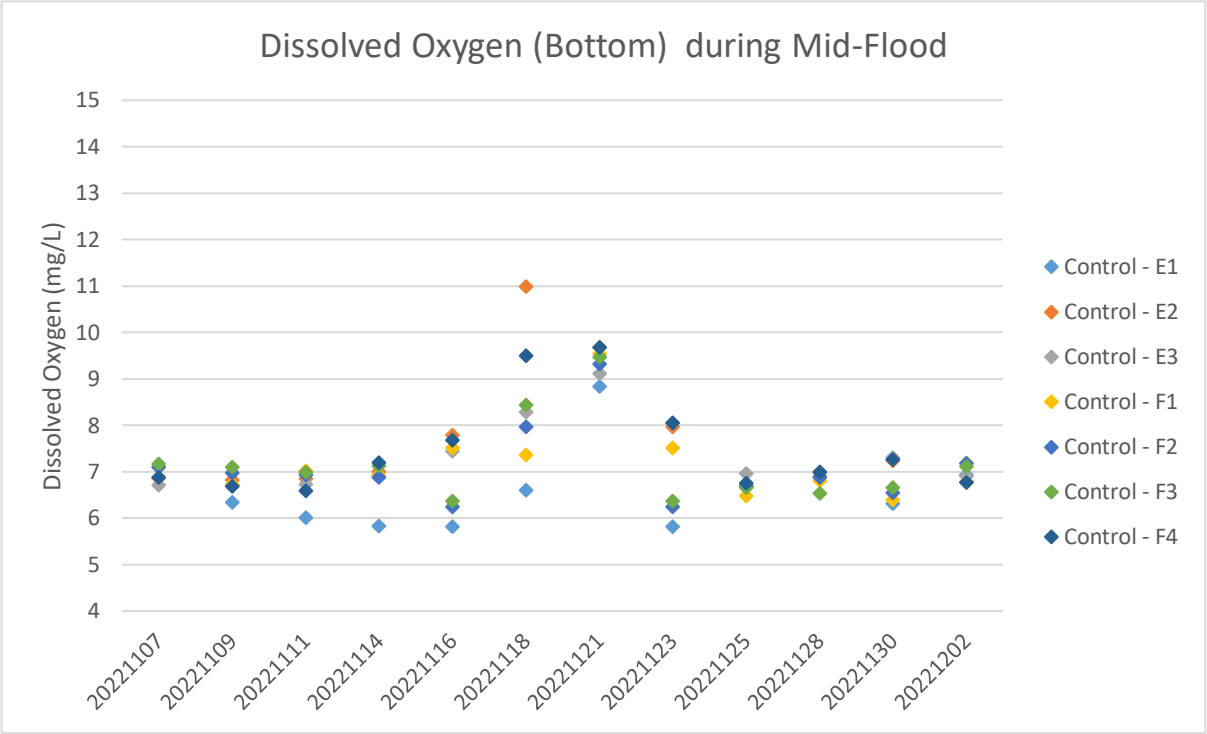

Figure 15a: Levels of Bottom Dissolved Oxygen (mg/L) at control stations in the southern Hong Kong waters (E1-E3, F1-F4) during mid-flood tides between 7 November and 2 December 2022

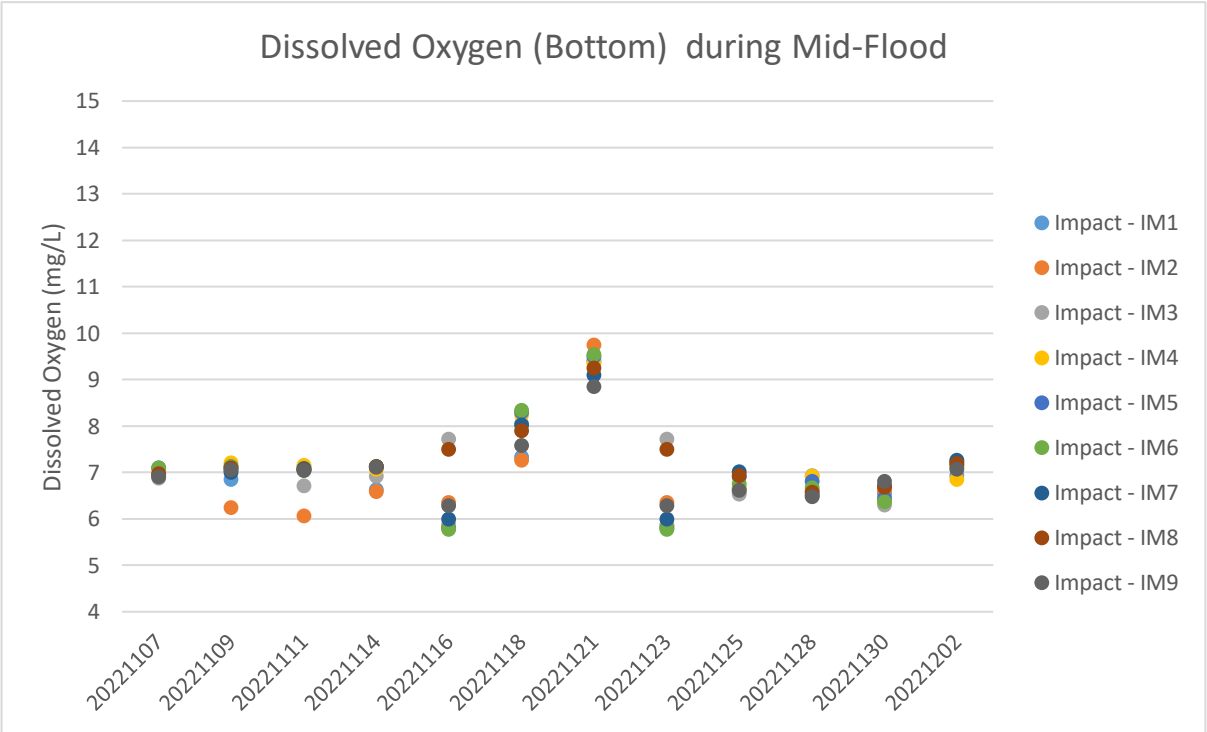

Figure 15b: Levels of Bottom Dissolved Oxygen (mg/L) at impact stations in the southern Hong Kong waters (IM1-IM9) during mid-flood tides between 7 November and 2 December 2022

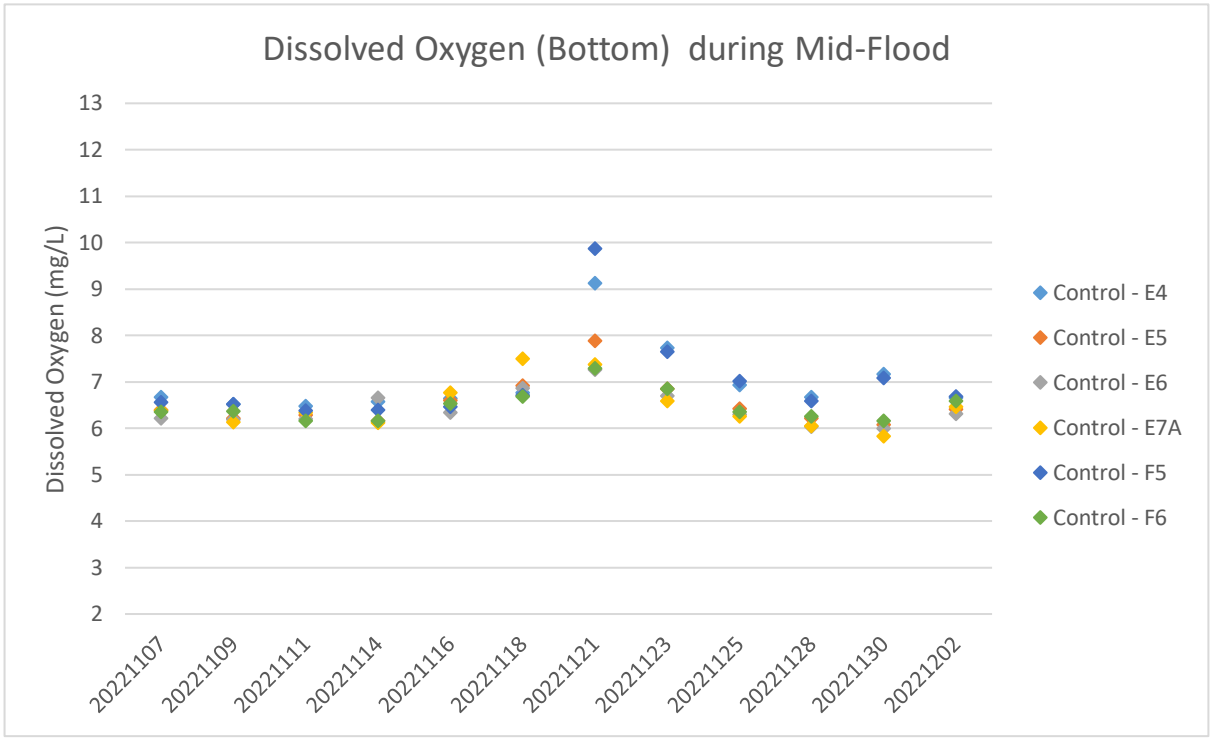

Figure 16a: Levels of Bottom Dissolved Oxygen (mg/L) at control stations in the western Hong Kong waters (E4-E7A, F5-F6) during mid-flood tides between 7 November and 2 December 2022

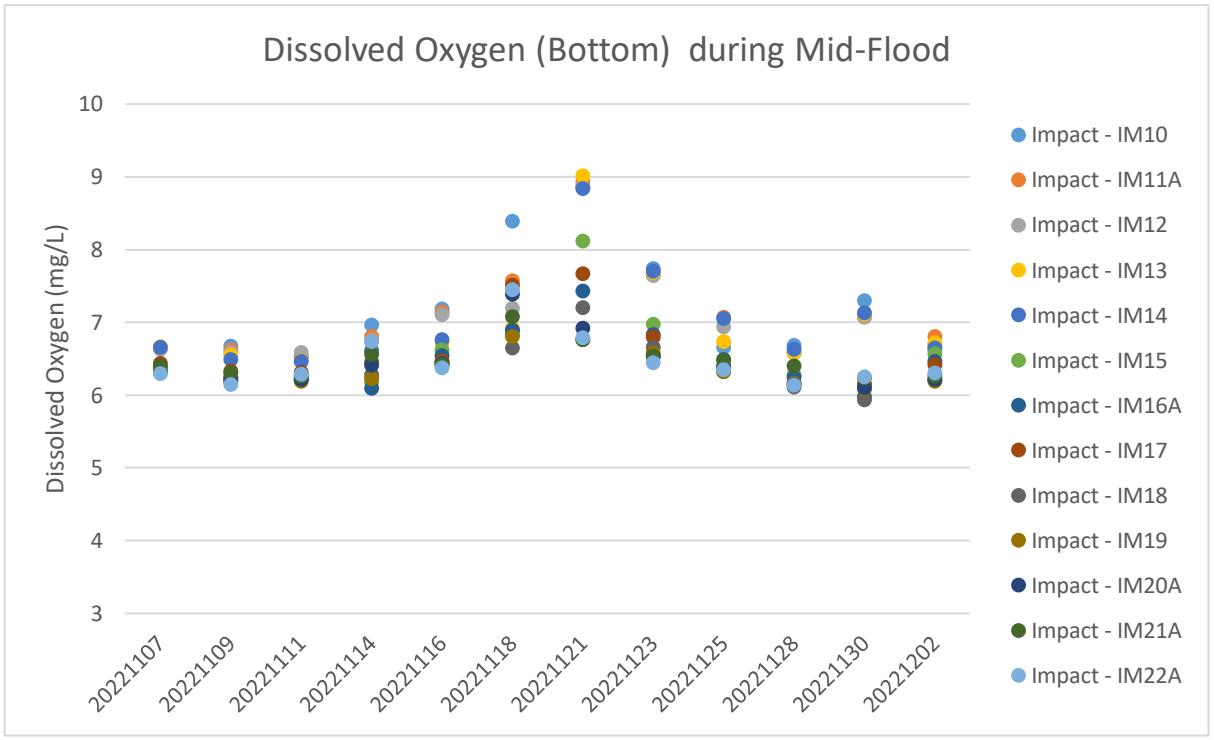

Figure 16b: Levels of Bottom Dissolved Oxygen (mg/L) at impact stations in the western Hong Kong waters (IM10-IM22A) during mid-flood tides between 7 November and 2 December 2022

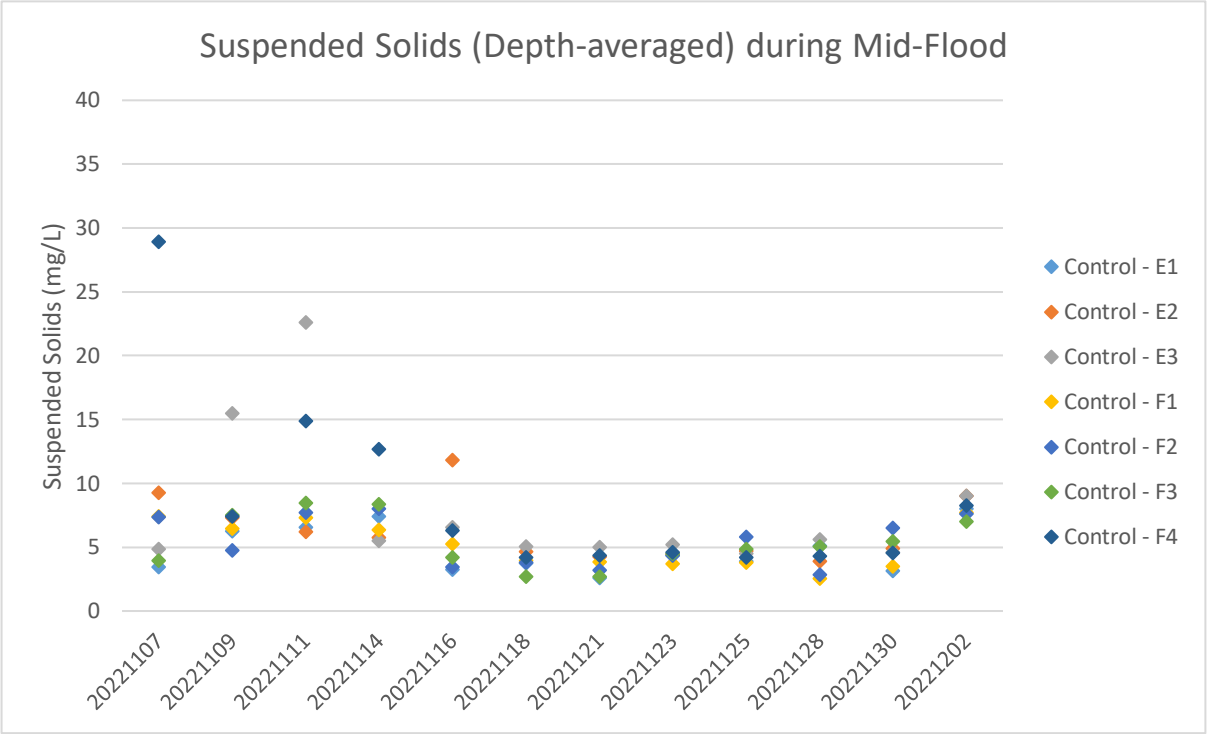

Figure 17a: Levels of Depth-averaged Suspended Solids (mg/L) at control stations in the southern Hong Kong waters (E1-E3, F1-F4) during mid-flood tides between 7 November and 2 December 2022

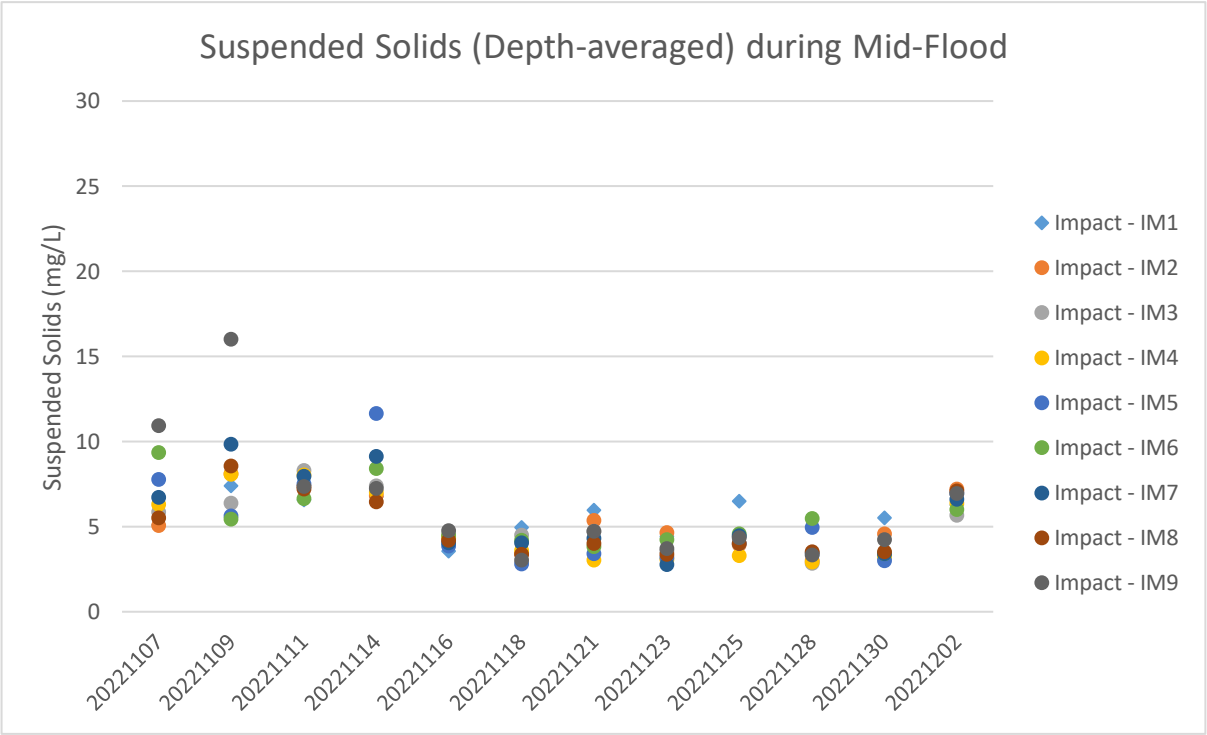

Figure 17b: Levels of Depth-averaged Suspended Solids (mg/L) at impact stations in the southern Hong Kong waters (IM1-IM9) during mid-flood tides between 7 November and 2 December 2022

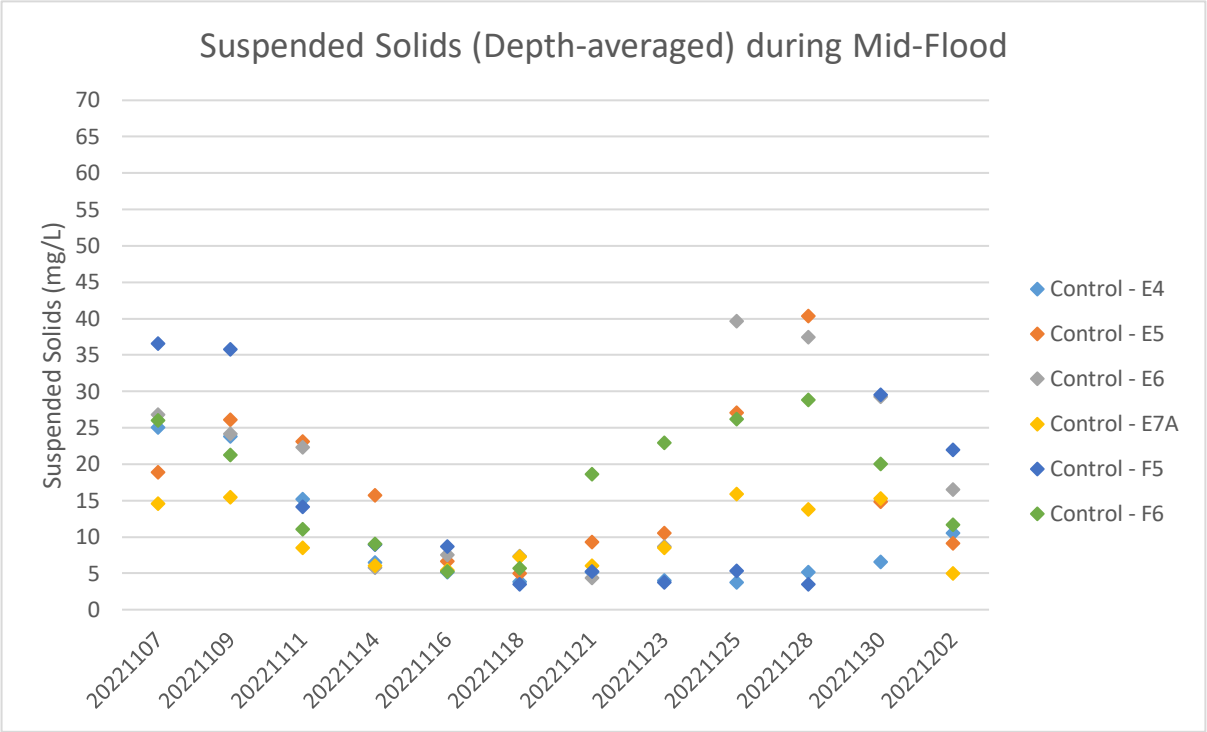

Figure 18a: Levels of Depth-averaged Suspended Solids (mg/L) at control stations in the western Hong Kong waters (E4-E7A, F5-F6) during mid-flood tides between 7 November and 2 December 2022

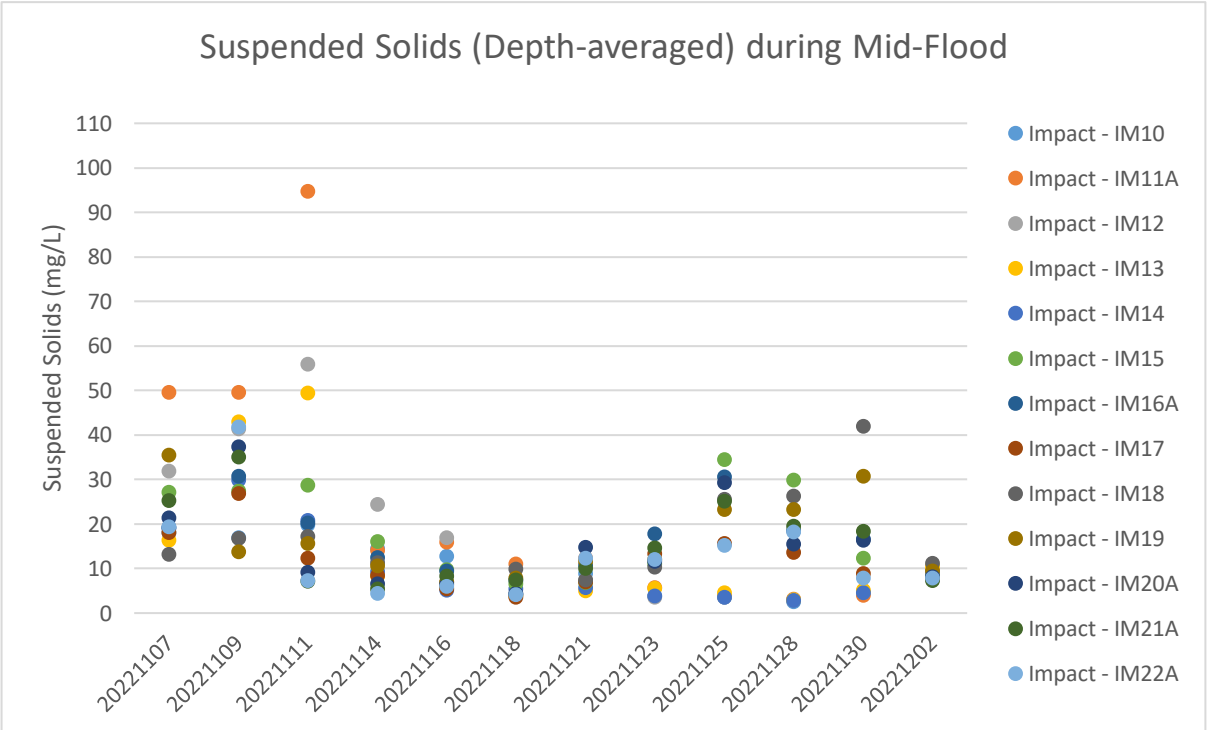

Figure 18b: Levels of Depth-averaged Suspended Solids (mg/L) at impact stations in the western Hong Kong waters (IM10-IM22A) during mid-flood tides between 7 November and 2 December 2022

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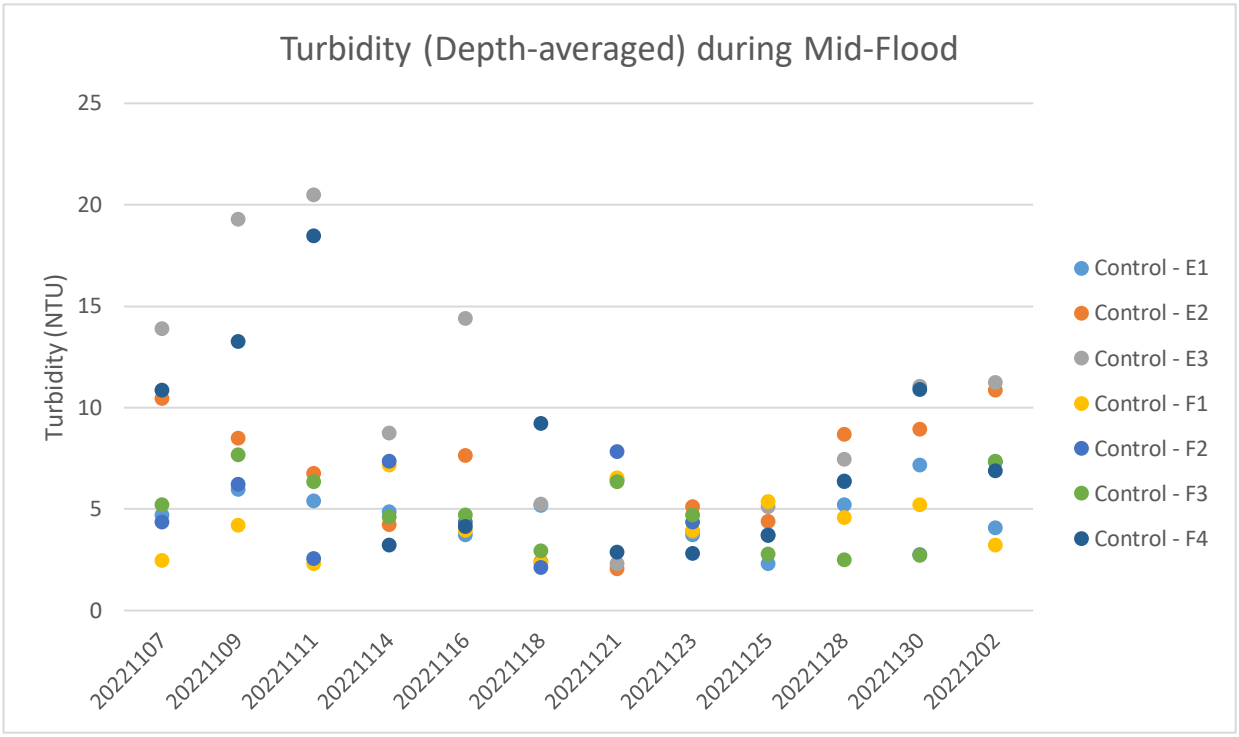

Figure 19a: Levels of Depth-averaged Turbidity (NTU) at control stations in the southern Hong Kong waters (E1-E3, F1-F4) during mid-flood tides between 7 November and 2 December 2022

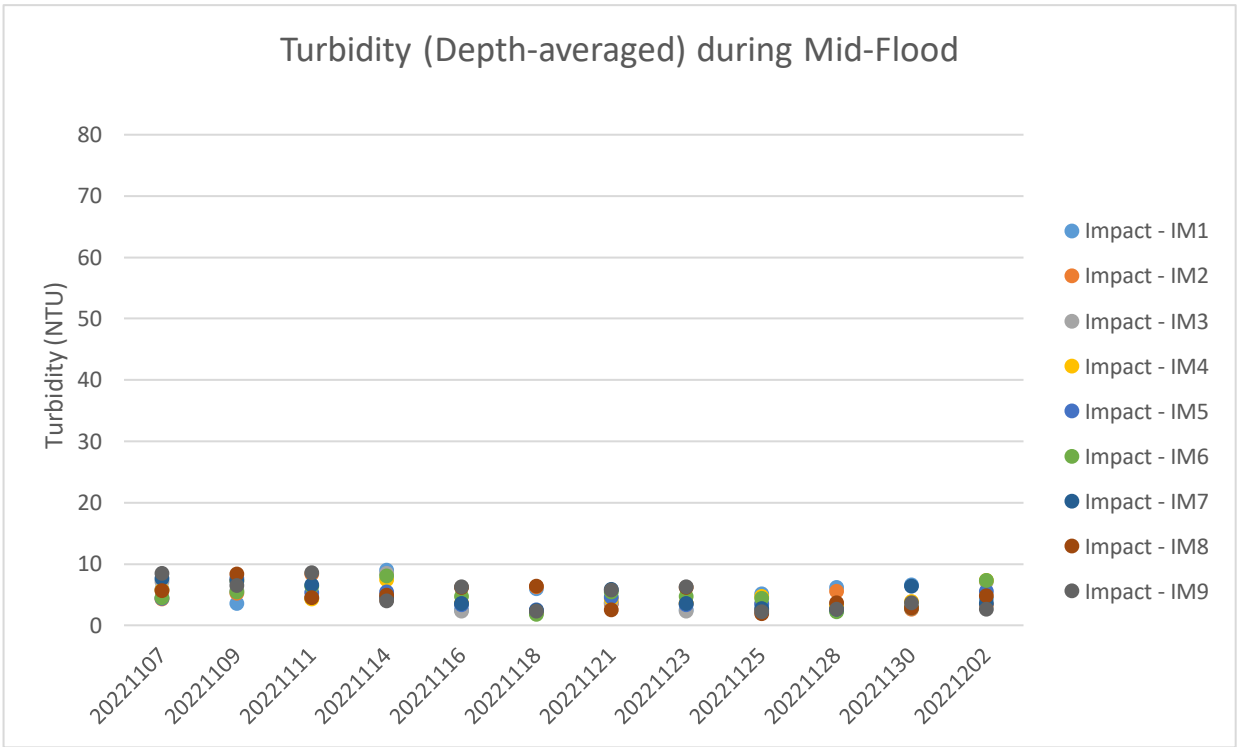

Figure 19b: Levels of Depth-averaged Turbidity (NTU) at impact stations in the southern Hong Kong waters (IM1-IM9) during mid-flood tides between 7 November and 2 December 2022

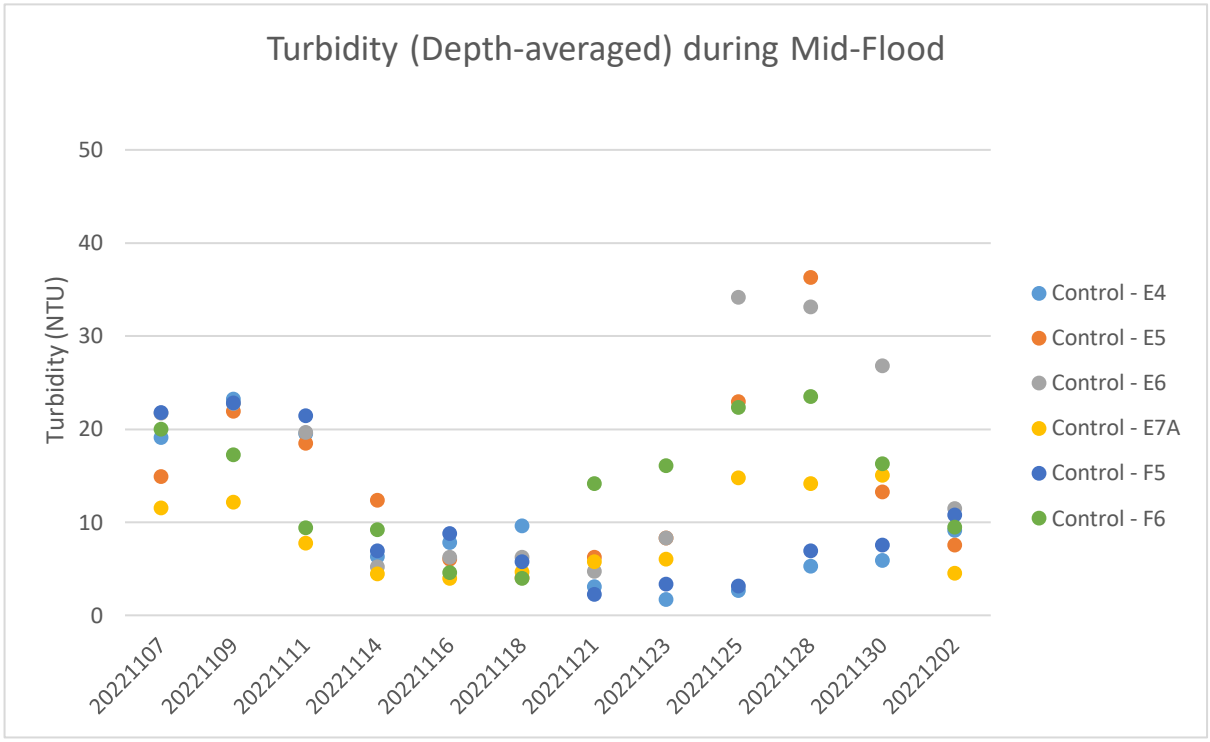

Figure 20a: Levels of Depth-averaged Turbidity (NTU) at control stations in the western Hong Kong waters (E4-E7A, F5-F6) during mid-flood tides between 7 November and 2 December 2022

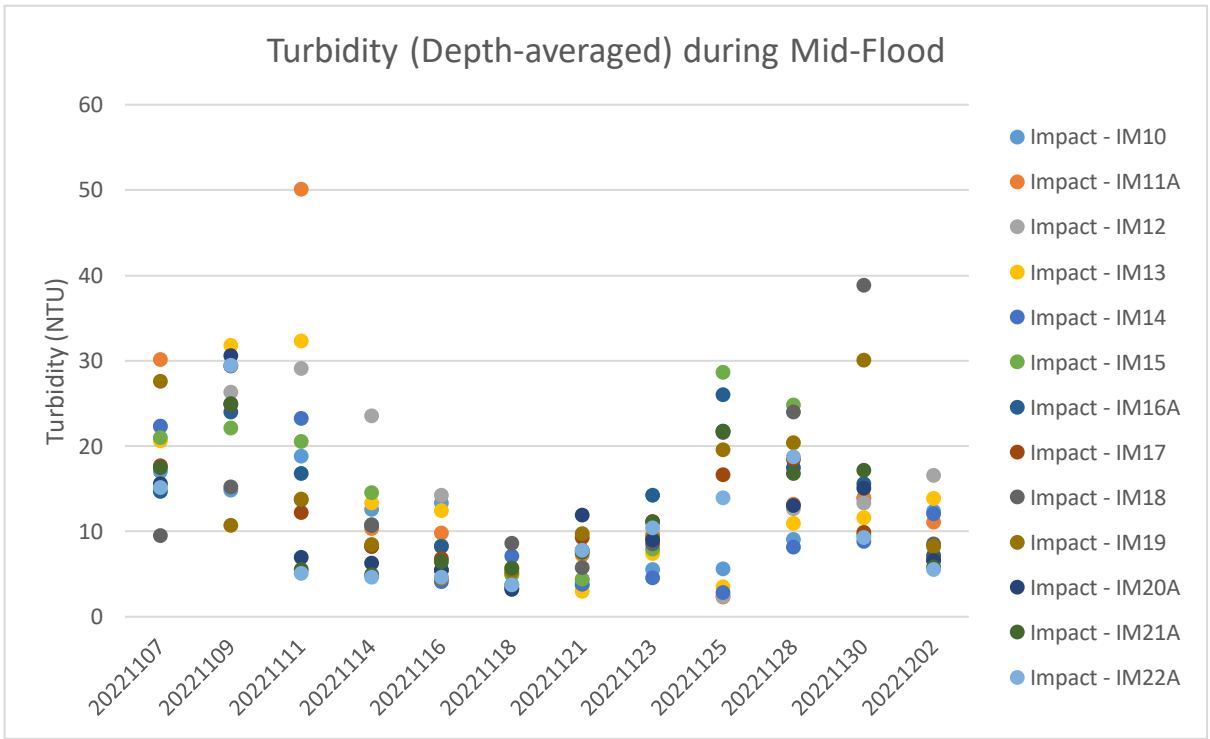

Figure 20b: Levels of Depth-averaged Turbidity (NTU) at impact stations in the western Hong Kong waters (IM10-IM22A) during mid-flood tides between 7 November and 2 December 2022